CENIER	AL NOTES			PROJECT INFORMATION	SHEET INDEX	٦ ۾
ALL DIMENSIONS TAKE PRECEDENCE (BUILDING ENVELOPE REQUIREMENTS		PROJECT NAME: BLAISDELL COMMUNITY CENTER		T 30
2. ALL EXTERIOR WALLS ARE EXISTING TO		1. DRYWALL SHALL BE SCREWED AND GLUED TO TOP AND BOTTOM PLATES.		PROJECT ADDRESS: 440 S COLLEGE AVE CLAREMONT CA, 91711	ARCHITECTURE A0.1 TITLE SHEET	و ا
 ALL INTERIOR WALLS TO BE 2 x 4 STUDS @ 16" O.C U.N.O. ALL INTERSTITIAL SPACES SHALL BE FIRE-BLOCKED PER BUILDING CODE. ALL INTERIOR WALLS SHALL BE 5/8" GYP. BD. U.N.O. ANY NEW INSULATION SHALL BE IN FULL CONTACT WITH BOTH INTERIOR AND EXTERIOR 			A.P.N. 8315-022-900	A0.2 CALIFORNIA GREEN BUILD A0.3 CALIFORNIA GREEN BUILD	≥ - ○	
AIR BARRIERS. 5. ANY PLUMBING FIXTURES HAVING A FLOOD LEVEL RIM LOCATED BELOW THE NEXT UPSTREAM MANHOLE COVER IS REQUIRED TO HAVE A BACK WATER VALVE INSTALLED				LEGAL: NORTH EAST POMONA TRACT LOT COM AT INTERSECTION OF W LINE OF TR # 19320 WITH N LINE OF OAK PARK DR PER DOC # 3756,10-24-56 TH W ON SD N LINE 331 FT TH N 150 FT TH W 134 FT TH N 150 FT TH W 165 FT TH N ON E LINE OF COLLEGE AVE 330 FT TH E 630 FT TH S ON SD W LINE 630	A2.1 EXISTING FLOOR PLAN A3.1 FLOOR PLAN - DEMO/ NEW / ELECTRICAL A4.1 INTERIOR ELEVATIONS	CEÍO) Suíte
6. ALL WORK ON THIS PROJECT IS TO BE PERFORMED AND COMPLETED IN CONFORMITY WITH THE MOST RECENT EDITIONS OF THE CLAREMONT MUNICIPAL CODE, THE CALIFORNIA BUILDING, PLUMBING, MECHANICAL, ELECTRICAL AND ENERGY CODES. 1. ALL NONCOMPLIANT PLUMBING FIXTURES SHALL BE REPLACED WITH WATER- CONSERVING PLUMBING FIXTURE PRIOR TO FINAL INSPECTION.			FT TO BEG PART OF SW 1/4 OF LOT 11 DESIGNER: LOTUS CONSTRUCTION GROUP 405 SAINT AUGUSTINE AVE. CLAREMONT CA 91711		Ave.	
AUTHORIZE NON-CONFORMITY WITH 7. SEPARATE PERMIT SHALL FIRST BE OBTA	CTION, ANY APPROVALS THAT APPEAR TO THE ADOPTED STANDARDS ARE NOT VALID AINED FROM THE CITY PUBLIC WORKS DEPARTMENT	ELECTRICAL REQUIREMENTS 1. PROVIDE GFCI PROTECTED RECEPTACLES IN THE KITCHEN PER 210.8 CEC		909 621 1558 CONTRACTORS LISC. #B-801827 PROJECT DESIGNER: WALTER FAUSTLIN		OMSI Vista 91786
PRIOR TO PLACEMENT OF ANY CONSTRUCTION MATERIALS OR EQUIPMENT IN THE PUBLIC WAY 8. AT TIME OF PERMIT ISSUANCE, CONTRACTOR SHALL SHOW THEIR VALID WORKERS COMPENSATION INSURANCE CERTIFICATE		 PROVIDE TAMPER RESISTANT RECEPTACLES PER 406.12 CEC ALL INSTALLED LUMINARIES SHALL BE HIGH EFFICIENCY IN ACCORDANCE WITH TABLE 150.0 A PER CEnC 150.0(k)1(A). 		ZONING AND AGENCY INFORMATION		S C Onte 1 CA 9
COMPENSATION INSURANCE CERTIFICATE 9. ALL WORK SHALL CONFORM TO ALL REQUIREMENTS OF STATE OF CALIFORNIA TITLE 24 REGARDLESS OF THE INFORMATION INDICATED ON THESE PLANS. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL SUPERVISING THE CONSTRUCTION TO ENSURE THAT THE WORK IS		4. TAMPER-RESISTANT RECEPTACLES SHALL BE INSTALLED AS SPECIFIED IN CE 406.12 (A) THROUGH (C)		CITY: CLAREMONT COUNTY: LOS ANGELES		LOTM 1326 M Upland CSL# 8
OF THE INDIVIDUAL SUPERVISING THE CONSTRUCTION TO ENSURE THAT THE WORK IS DONE IN ACCORDANCE WITH CODE REQUIREMENTS PRIOR TO REQUESTING INSPECTION 10. EXCESS OR WASTE CONCRETE MAY NOT BE WAHSED INTO THE PUBLIC WAY OR ANY				ZONING: P/RC OCCUPANCY: A-3 TYPE: V-A		7520
OTHER DRAINAGE SYSTEM. PROVISION ON SITE UNTIL THEY CAN BE DISPOSED	ONS SHALL BE MADE TO RETAIN CONCRETE WASTES O OF AS SOLID WASTE			SPECIAL REVIEW: NA HOA: NA		
				SPECIAL DISTRICT: NA CC&R: NA		
					CONSULTANTS	plans is they have sof is nethod, in these ually with sjudice. constitute tions.
						use of these the to which lication here ise. Re-use, on by any reted. Title to and perpett without pre plans shall chese restrict oyright ©2020.
						DTICE: The ue original sign and publication to such un publication to prohibile exclusively with these idence of the text.
		'IATIONS				PYRICHT NC fricted to th en prepared vessly limite roduction c ole or in par ns remains t us Construct al contact na facie evi RIGHTS RES
& AND @ AT C CENTERLINE 0 DIAMETER # POUND OR NUMBER	DISP DISPENSER DIV DIVISION DL DEAD LOAD DN DOWN DO DOOR OPENING	L ANGLE, LENGTH, LONG LAB LABORATORY LAM LAMINATE LAV LAVORATORY LBL LABEL REQ REQUIRED RES RESIDENCE RESIL RESILIENT RET RETURN REV REVISION(S), REVISED				CC & & & & & & & & & & & & & & & & & &
AB ANCHOR BOLT ABV ABOVE A/C AIR CONDITIONING	DPR DAMPER DR DOOR DRWR DRAWER DS DOWNSPOUT	LDR LADDER RGTR REGISTER LH LEFT HAND RH RIGHT HAND LKR LOCKER RM ROOM LL LIVE LOAD RMV REMOVE				
AC ACOUSTICAL ACR ACRYLIC PLASTIC AD AREA DRAIN ADJ ADJUSTIBLE, ADJACENT AFF ABOVE FINISH FLOOR	DWG DRAWING (E) EXISTING E EAST EA EACH	LT LIGHT RO ROUGH OPENING LTWT LIGHTWEIGHT RWL RAINWATER LEADER LVR LOUVER S SOUTH M METER SA SUPPLY AIR			CODES REQUIRED CODES	1
AFS AUTOMATIC FIRE SPRINKLERS ALT ALTERNATE ALUM ALUMINIUM ANC ANCHOR, ANCHORAGE ANOD ANODIZED	EF EXHAUST FAN EL ELEVATION ELEC ELECTRICAL ELEV ELEVATOR EMER EMERGENCY	MASMASONRYSCSOLID COREMAXMAXIMUMSCHEDSCHEDULEMBMACHINE BOLTSCRSCREENMBRMEMBERSDSTORM DRAINMECHMECHANICALSECTSECTION	BEST PRACTICES	BUILDING INFORMATION	2022 PART 2 CALIFORNIA BUILDING CODE 2022 PART 2.5 CALIFORNIA RESIDENTIAL BUILDING CODE 2022 PART 3 CALIFORNIA ELECTRICAL CODE	
AP ACCESS PANEL APPL APPLIANCES APPROX APPOXIMATE ARCH ARCHITECTURAL	ENCL ENCLOSURE EP ELECTRICAL PANELBOARD EST ESTIMATE EQ EQUAL	MED MEDIUM MEMB MEMBRANE MET METAL MFR MANUFACTURER SF SQUARE FOOT, SUPPLY FAN SH SHELF, SHELVING SHT SHEET SHTH SHEATING	PLEASE NOTE THAT CONSTRUCTION HOURS ARE FROM 7:00 AM TO 7:00 PM MONDAY THROUGH FRIDAY. 9:00 AM TO 6:00 PM WEEKENDS AND HOLIDAYS.	STORIES: 1	2022 PART 4 CALIFORNIA MECHANICAL CODE 2022 PART 5 CALIFORNIA PLUMBING CODE 2022 PART 6 CALIFORNIA ENERGY CODE 2022 PART 9 CALIFORNIA FIRE CODE 2022 PART 11 CALIFORNIA GREEN BUILDING STANDARDS CODE	DATE
ASPH ASPHALT AUTO AUTOMATIC BO BOARD BEL BELOW	EQUIP EQUIPMENT EXIST EXISTING EXP EXPOSED OR EXPANSION EXT EXTERIOR	MH MANHOLE SIM SIMILAR MIN MINIMUM SPEC SPECIFICATION MIR MIRROR SPKR SPEAKER MISC MISCELLANEOUS SQ SQUARE MLWK MILLWORK SS STAINLESS STEEL	2. PLEASE REMEMBER TO PRACTICE "BUILDING BETTER STORM WATER QUALITY" BY NOT WASHING DOWN CONTAMINATES INTO THE STREET AND CONTAIN WATER AND CONTAMINATES ON SITE AND PROPERLY REMOVE. KEEP STREET CLEAN AND FREE OF	BASEMENT: NO SPRINKLED / REQ'D: NO / NO	2022 17 KKT FT OF CHILD VOILE TO SEE THE OFFICE OF CHILD VICE OF CHILD V	REV
BITUM BITUMINOUS BLDG BUILDING BLK BLOCK BLKG BLOCKING	FD FLOOR DRAIN FDN FOUNDATION FF FINISHED FLOOR FIN FINISH	MMMILLIMETERSSKSERVICE SINKMOMASONRY OPENINGSTASTATIONMTDMOUNTEDSTCSOUND TRANSMISSION CLASSMTLMETALSTDSTANDARD	DEBRIS AND NO STORAGE OF CONSTRUCTION MATERIAL, EQUIPMENT, TRAILER, TEMPORARY TOILET FACILITIES. FOR MORE INFORMATION, PLEASE CONTACT ENGINEERING DIVISION AT (909) 399-5465.	ROOF TYPE: ASPHALT SHINGLES ROOF AGE: UNKNOWN	PROJECT DESCRIPTION	D DRAWN BY WF
BLT BUILT BM BEAM BOT BOTTOM BRG BEARING BS BOTH SIDES	FL FLOOR FLEX FLEXIBLE FLR FLOOR FLUOR FLOURESCENT FOC FACE OF CONCRETE	MUL MULLION STG SEATING STL STEEL (N) NEW STORG STORAGE STRUCT STRUCTURAL NAT NATURAL SUSP SUSPEND	 PLEASE CONTACT COMMUNITY SERVICES REGARDING WASTE MANAGEMENT PROGRAM REGARDING DISPOSAL OF CONSTRUCTION MATERIALS AND DEBRIS. PLEASE REMEMBER TO KEEP CLEAN CONSTRUCTION SITE AND STORE EQUIPMENT, 	ROOF FRAMING: HEAVY TIMBER WALL FINISH EXT: BOARD AND BATTEN WALL FINISH INT: BLASTER (CYPSUM)	THE PROJECT IS AN INTERTIOR KITCHENETTE REMODEL ONLY. NO EXTERIOR WORK NOR ADDITIONAL SQUARE FOOTAGE IS BEING PROPOSED.	× × × × × × × × × × × × × × × × × × ×
BSMT BASEMENT BTWN BETWEEN BVL BEVELED BW BOTH WAYS	FOC FACE OF CONCRETE FOF FACE OF FINISH FOM FACE OF MASONRY FOS FACE OF STUD FR FRAME	NAT NATURAL SUSP SUSPEND NIC NOT IN CONTRACT SYM SYMMETRY(ICAL) NO OR # NUMBER SYST SYSTEM NOM NOMINAL NTS NOT TO SCALE T TREAD	MATERIALS AND DEBRIS IN THE REAR YARD, OUT OF VIEW FROM THE PUBLIC/STREET. 5. PLEASE REMEMBER TO BE CONSIDERATE OF NEIGHBORS BY OBSERVING REQUIRED HOURS OF CONSTRUCTION, CLEAN CONSTRUCTION SITES, MAINTAINING LANDSCAPING	WALL FINISH INT: PLASTER / GYPSUM PAINT CONDITION EXT: FAIR FOUNDATION TYPE: SLAB ON GRADE		28 23 DRAWING:
C CHANNEL CAB CABINET CEM CEMENT CER CERAMIC	FS FULL SIZE FSD FULL SIZE DIMENSION FT FOOT OR FEET FTG FOOTING FURR FURRING	OA OVERALL TER TERRAZZO OBS OBSCURE T&G TONGUE AND GROOVE OC ON CENTER THK THICK	AND BY COMPLETING THE PROJECT IN A TIMELY MANNER. 6. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) SHALL BE NOTIFIED IN ACCORDANCE WITH CALIFORNIA STATE LAW PRIOR TO START OF ANY DEMOLITION,	HVAC: UNKNOWN		10 10 10 10 10 10 10 10 10 10 10 10 10 1
CF CUBIC FEET CI CAST IRON CIPC CAST-IN PLACE CONCRETE CIRC CIRCUMFERENCE, CIRCULATION	FUT FUTURE GA GAUGE GALV GLAVANIZED	OFF OFFICE TOL TOLERANCE OH OVERHEAD TP TOP OF PAVEMENT OPNG OPENING TR TRANSFORM OPP OPPOSITE TSL TOP OF SLAB	ADDITION, AND OR REMODEL WORK. THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT OFFICE IS LOCATED AT 21865 COPLEY DRIVE IN DIAMOND BAR, PNONE NO. (909) 396-2000 BE ADVISED, SCAQMD MAY REQUIRE A 10 DAY WAIT PERIOD PRIOR TO START OF WORK	ARCHITECTURAL SYMBOLS	VICINITY MAP	1
CJ CONTROL JOINT CLG CEILING CLGHT CEILING HEIGHT CLK CAULK CLKG CAULKING CLOS CLOSET CLR CLEAR	GB GRAB BAR GDW GOSH DARNIT WALTER GI GLAVANIZED IRON GL GLASS GLBLK GLASS BLOCK GND GROUND GR GRADE, GRADING	PAR PARALLEL TV TELEVISION PARTBD PARTICLE BOARD TW TOP OF WALL PCC PRECAST CONCRETE TYP TYPICAL PCF POUND PER CUBIC FOOT PED PEDESTAL UNF UNFINISHED PERF PERFORATE(D) UNO UNLESS NOTED OTHERWISE	7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FOR THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITION MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS	BUILDING SECTION SECTION NUMBER SHEET NUMBER		EN HER
CUM CONCRETE MASONRY UNIT CO CASED OPEING, CONDUIT ONLY, CLEAN OUT COL COLUMN COMB COMBINATION COMPO COMPOSITION	GYP GYPSUM GWB GYPSUM WALLBOARD HB HOSE BIB HC HOLLOW CORE HD HEAVY DUTY	PL PLATE PLAS LAM PLASTIC LAMINATE PLAS PLASTER PNL PANEL PNT PAINT PR PAIR PLAS PLASTER VAR VARNISH VERT VERTICAL VEST VESTIBULE VNR VENEER	8. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORECS OF WIND OR WATER 1. TRASH AND CONSTRUCTION BELATED SOUR WASTES AND THE DEPOSITED INTO A	DETAIL REFERENCE DETAIL NUMBER SHEET NUMBER		
COMPT COMPARTMENT CONC CONCRETE CONN CONNECTION CONSTR CONSTRUCTION CONT CONTINUOUS	HDR HEADER HDWD HARDWOOD HDWR HARDWARE HM HOLLOW METAL HORIZ HORIZONTAL	PRCST PRE-CAST PREFAB PRE-FABRICATED PREFIN PREFINISHED PSF POUND PER SQUARE FOOT PSI POUND PER SQUARE INCH VCT VINYL COMPOSITION TILE VCT VINYL COMPOSITION	 9. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND 10. FULES, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN 	OFFSET REFERENCE DIFFERENTIAL IN FLOOR LEVEL OR FINISH SURFACE		M M D M
CSMT CASEMENT CTSK COUNTERSUNK CNTR COUNTER CTR CENTER CY CUBIC YARD	HR HOUR HT HEIGHT HTG HEATING HVAC HEATING, VENTILATING, AIR CONDITIONING	PT POINT WD WOOD PTN PARTITION WH WALL HUNG PWD PLYWOOD WI WROUGHT IRON PVC POLYVINYL CHLORIDE WIN WINDOW PVMT PAVEMENT WM WIRE MESH	ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WAHED INTO THE DRAINAGE SYSTEM.	REVISION REFERENCE REVISION NUMBER		EET
D DRAIN DBL DOUBLE DEPT DEPARTMENT	HWH HOT WATER HEATER ID INSIDE DIMENSION OR DIAM INCL INCLUDE	R RISER W/O WITHOUT RA RETURN AIR WP WATERPROOF RAD RADIUS WPT WORKING POINT WSCT WAINSCOT	11. DUE TO THE POSSIBLE PRESENCE OF LEAD-BASED PAINT, LEAD-SAFE WORK PRACTICES ARE REQUIRED FOR ALL REPAIRS THAT DISTURB PAINT IN PRE 1979 BUILDINGS. FAILURE TO DO SO COULD CREATE LEAD HAZARDS THAT VIOLATE CALIFORNIA HEALTH AND SAFETY	REFER TO TITLE SHEET INTERIOR ELEVATION REFERENCE		LE SHI
DF DRINKING FOUNTAIN DEMO DEMOLISH, DEMOLITION DET DETAIL DH DOUBLE HUNG DIAG DIAGONAL	INSUL INSULATION INT INTERIOR JAN JANITOR JNT JOINT	RBT RABBET, REBATE WSP WET STANDPIPE RD ROOF DRAIN WT WEIGHT REC RECESSED WTF WALTER THE FAUSTLIN REF REFERENCE WWF WELDED WIRE FABRIC REFL REFLECT(ED), (IVE), (OR)	CODE SECTIONS 17920.10 AND 105256 WITH POTENTIAL FINES FOR VIOLATIONS UP TO \$5,000 (SECTION (D) AMENDED) OR IMPRISONMENT FOR NOT MORE THAN 6 MONTHS IN THE COUNTY JAIL OR BOTH 12. THE ISSUANCE OF A PERMIT SHALL NOT PREVENT THE BUILDING OFFICIAL FROM	INTERIOR ELEVATION REFERENCE INTERIOR ELEVATION VIEW SHEET NUMBER		TITL Project N BLA 440 S. Q.
DIAM DIAMETER DIM DIMENSION	KIT KITCHEN	REFR REFRIGERATOR REINF REINFORCED	REQUIRING THE CORRECTION OF ERRORS ON THESE PLANS OR FROM PREVENTING ANY VIOLATION OF THE CODES ADOPTED BY THE CITY, RELEVANT LAWS, ORDINANCES, RULES AND OR REGULATIONS.	ROOF SLOPE REFERENCE ROOF PITCH 00		DATE October 28, 2023 A0.1
				00 /		

301.1 SCOPE.

BUILDINGS SHALL BE DESIGNED TO INCLUDE THE GREEN BUILDING MEASURES SPECIFIED AS MANDATORY IN THE APPLICATION CHECKLISTS CONTAINED IN THIS CODE. VOLUNTARY GREEN BUILDING MEASURES ARE ALSO INCLUDED IN THE APPLICATION CHECKLISTS AND MAY BE INCLUDED IN THE DESIGN AND CONSTRUCTION OF STRUCTURES COVERED BY THIS CODE, BUT ARE NOT REQUIRED UNLESS ADOPTED BY A CITY, COUNTY, OR CITY AND COUNTY AS SPECIFIED IN SECTION 101.7.

301.1.1 ADDITIONS AND ALTERATIONS.

[HCD] THE MANDATORY PROVISIONS OF CHAPTER 4 SHALL BE APPLIED TO ADDITIONS OR ALTERATIONS OF EXISTING RESIDENTIAL BUILDINGS WHERE THE ADDITION OR ALTERATION INCREASES THE BUILDING'S CONDITIONED AREA, VOLUME, OR SIZE. THE REQUIREMENTS SHALL APPLY ONLY TO AND/OR WITHIN THE SPECIFIC AREA OF THE ADDITION OR ALTERATION.

THE MANDATORY PROVISION OF SECTION 4.106.4.2 MAY APPLY TO ADDITIONS OR ALTERATIONS OF EXISTING PARKING FACILITIES OR THE ADDITION OF NEW PARKING FACILITIES SERVING EXISTING MULTIFAMILY BUILDINGS. SEE SECTION 4.106.4.3 FOR APPLICATION.

NOTE: REPAIRS INCLUDING, BUT NOT LIMITED TO, RESURFACING, RE-STRIPING AND REPAIRING OR MAINTAINING EXISTING LIGHTING FIXTURES ARE NOT CONSIDERED ALTERATIONS FOR THE PURPOSE OF THIS SECTION.

NOTE: ON AND AFTER JANUARY 1, 2014, RESIDENTIAL BUILDINGS UNDERGOING PERMITTED ALTERATIONS, ADDITIONS, OR IMPROVEMENTS SHALL REPLACE NONCOMPLIANT PLUMBING FIXTURES WITH WATER-CONSERVING PLUMBING FIXTURES. PLUMBING FIXTURE REPLACEMENT IS REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF FINAL COMPLETION, CERTIFICATE OF OCCUPANCY OR FINAL PERMIT APPROVAL BY THE LOCAL BUILDING DEPARTMENT. SEE CIVIL CODE SECTION 1101.1, ET SEQ., FOR THE DEFINITION OF A NONCOMPLIANT PLUMBING FIXTURE, TYPES OF RESIDENTIAL BUILDINGS AFFECTED AND OTHER IMPORTANT ENACTMENT

301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS.

[HCD] THE PROVISIONS OF INDIVIDUAL SECTIONS OF CALGREEN MAY APPLY TO EITHER LOW-RISE RESIDENTIAL BUILDINGS HIGH-RISE RESIDENTIAL BUILDINGS, OR BOTH. INDIVIDUAL SECTIONS WILL BE DESIGNATED BY BANNERS TO INDICATE WHERE THE SECTION APPLIES SPECIFICALLY TO LOW-RISE ONLY (LR) OR HIGH-RISE ONLY (HR). WHEN THE SECTION APPLIES TO BOTH LOW-RISE AND HIGH-RISE BUILDINGS, NO BANNER WILL BE USED.

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS.

IN MIXED OCCUPANCY BUILDINGS, EACH PORTION OF A BUILDING SHALL COMPLY WITH THE SPECIFIC GREEN BUILDING MEASURES APPLICABLE TO EACH SPECIFIC OCCUPANCY.

[HCD] ACCESSORY STRUCTURES AND ACCESSORY OCCUPANCIES SERVING RESIDENTIAL BUILDINGS SHALL COMPLY WITH CHAPTER 4 AND APPENDIX A4, AS

[HCD] FOR PURPOSES OF CALGREEN, LIVE/WORK UNITS, COMPLYING WITH SECTION 419 OF THE CALIFORNIA BUILDING CODE, SHALL NOT BE CONSIDERED MIXED OCCUPANCIES. LIVE/ WORK UNITS SHALL COMPLY WITH CHAPTER 4 AND APPENDIX A4,

RESIDENTIAL MANDATORY MEASURES DIVISION 4.1PLANNING AND DESIGN

AS APPLICABLE.

BBREVIATION DEFINITIONS

DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT

CALIFORNIA BUILDING STANDARDS COMMISSION DIVISION OF THE STATE ARCHITECT, STRUCTURAL SAFETY OSHPD OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

LOW RISE HIGH RISE ADDITIONS AND ALTERATIONS

SECTION 4.102 DEFINITIONS

4.102.1 DEFINITIONS THE FOLLOWING TERMS ARE DEFINED IN CHAPTER 2 (AND ARE INCLUDED HERE FOR REFERENCE)

FRENCH DRAIN. A TRENCH, HOLE OR OTHER DEPRESSED AREA LOOSELY FILLED WITH ROCK, GRAVEL, FRAGMENTS OF BRICK OR SIMILAR PERVIOUS MATERIAL USED TO COLLECT OR CHANNEL DRAINAGE OR RUNOFF WATER.

WATTLES. WATTLES ARE USED TO REDUCE SEDIMENT IN RUNOFF. WATTLES ARE OFTEN CONSTRUCTED F NATURAL PLANT MATERIALS SUCH AS HAY, STRAW OR SIMILAR MATERIAL SHAPED IN THE FORM OF TUBES AND PLACED ON A DOWNFLOW SLOPE. WATTLES ARE ALSO USED FOR PERIMETER AND INLET CONTROLS.

4.106 SITE DEVELOPMENT

4.106.1 GENERAL. PRESERVATION AND USE OF AVAILABLE NATURAL RESOURCES SHALL BE ACCOMPLISHED THROUGH EVALUATION AND CAREFUL PLANNING TO MINIMIZE NEGATIVE EFFECTS ON THE IND ADJACENT AREAS. PRESERVATION OF SLOPES, MANAGEMENT OF STORM WATER DRAINAGE AND FROSION 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 OMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE TORM WATER DRAINAGE DURING CONSTRUCTION. IN ORDER TO MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION, ONE OR MORE OF THE FOLLOWING MEASURES SHALL BE IMPLEMENTED TO PREVENT FLOODING OF ADJACENT PROPERTY, PREVENT EROSION AND RETAIN SOIL RUNOFF ON THE SITE.

RETENTION BASINS OF SUFFICIENT SIZE SHALL BE UTILIZED TO RETAIN STORM WATER ON

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 ORDINANCE.

NOTE: REFER TO THE STATE WATER RESOURCES CONTROL BOARD FOR PROJECTS WHICH DISTURB ONE ACRE OR MORE OF SOIL, OR ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE OF SOIL. (WEBSITE: HTTPS://WWW.WATERBOARDS.CA.GOV/WATER_ISSUES/PROGRAMS/STORMWATER/CONSTRUCTION.HTML)

4.106.3 GRADING AND PAVING.

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

WATER COLLECTION AND DISPOSAL SYSTEMS

WATER RETENTION GARDENS OTHER WATER MEASURES WHICH KEEP SURFACE WATER AWAY FROM BUILDINGS AND

AID IN GROUNDWATER RECHARGE.

ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH.

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

(JADU) WITHOUT ADDITIONAL PARKING FACILITIES.

- ON A CASE-BY-CASE BASIS, WHERE THE LOCAL ENFORCING AGENCY HAS DETERMINED EV CHARGING AND INFRASTRUCTURE ARE NOT FEASIBLE BASED
- UPON ONE OR MORE OF THE FOLLOWING CONDITIONS: 1.1 WHERE THERE IS NO LOCAL UTILITY POWER SUPPLY OR THE LOCAL UTILITY IS
- UNABLE TO SUPPLY ADEQUATE POWER. 1.2 WHERE THERE IS EVIDENCE SUITABLE TO THE LOCAL ENFORCING AGENCY
- SUBSTANTIATING THAT ADDITIONAL LOCAL UTILITY INFRASTRUCTURE DESIGN REQUIREMENTS, DIRECTLY RELATED TO THE IMPLEMENTATION OF SECTION 4.106.4, MAY ADVERSELY IMPACT THE CONSTRUCTION COST OF THE PROJECT. ACCESSORY DWELLING UNITS (ADU) AND JUNIOR ACCESSORY DWELLING UNITS

4.106.4.1 NEW ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES WITH ATTACHED PRIVATE GARAGES. FOR EACH DWELLING UNIT, INSTALL A LISTED RACEWAY TO ACCOMMODATE A DEDICATED 208/240-VOLT BRANCH CIRCUIT. THE RACEWAY SHALL NOT BE LESS THAN TRADE SIZE 1 (NOMINAL 1-INCH INSIDE DIAMETER). THE RACEWAY SHALL ORIGINATE AT THE MAIN SERVICE OR SUBPANEL AND SHALL TERMINATE INTO A LISTED CABINET, BOX OR OTHER ENCLOSURE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF AN EV CHARGER. RACEWAYS ARE REQUIRED TO BE CONTINUOUS AT ENCLOSED, INACCESSIBLE OR CONCEALED AREAS AND SPACES. THE SERVICE PANEL AND/OR SUBPANEL SHALL PROVIDE CAPACITY TO INSTALL A 40-AMPERE 208/240-VOLT MINIMUM DEDICATED BRANCH CIRCUIT AND SPACE(S) RESERVED TO PERMIT INSTALLATION OF A BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE.

A RACEWAY IS NOT REQUIRED IF A MINIMUM 40-AMPERE 208/240-VOLT DEDICATED EV BRANCH CIRCUIT IS INSTALLED IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF AN EV CHARGER AT THE TIME OF ORIGINAL CONSTRUCTION IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.

THE SERVICE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING AS "EV CAPABLE". THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "EV CAPABLE"

4.106.4.2 NEW MULTIFAMILY DWELLINGS, HOTELS AND MOTELS AND NEW RESIDENTIAL PARKING FACILITIES. WHEN PARKING IS PROVIDED, PARKING SPACES FOR NEW MULTIFAMILY DWELLINGS, HOTELS AND MOTELS SHALL MEET THE REQUIREMENTS OF SECTIONS 4.106.4.2.1 AND 4.106.4.2.2. CALCULATIONS FOR SPACES SHALL BE ROLINDED LIP TO THE NEAREST WHOLE NUMBER, A PARKING SPACE SERVED B ELECTRIC VEHICLE SUPPLY EQUIPMENT OR DESIGNED AS A FUTURE EV CHARGING SPACE SHALL COUNT AS AT LEAST ONE STANDARD AUTOMOBILE PARKING SPACE ONLY FOR THE PURPOSE OF COMPLYING WITH ANY APPLICABLE MINIMUM PARKING SPACE REQUIREMENTS ESTABLISHED BY A LOCAL JURISDICTION. SEE VEHICLE CODE SECTION 22511.2 FOR FURTHER DETAILS.

4.106.4.2.1MULTIFAMILY DEVELOPMENT PROJECTS WITH LESS THAN 20 DWELLING UNITS; AND HOTELS AND MOTELS WITH LESS THAN 20 SLEEPING UNITS OR GUEST ROOMS. THE NUMBER OF DWELLING UNITS, SLEEPING UNITS OR GUEST ROOMS SHALL BE BASED ON ALL BUILDINGS ON A PROJECT SITE SUBJECT TO THIS SECTION.

TEN (10) PERCENT OF THE TOTAL NUMBER OF PARKING SPACES ON A BUILDING SITE, PROVIDED FOR ALL TYPES OF PARKING FACILITIES, SHALL BE ELECTRIC VEHICLE CHARGING SPACES (EV SPACES) CAPABLE OF SUPPORTING FUTURE LEVEL 2 EVSE. ELECTRICAL LOAD CALCULATIONS SHALL DEMONSTRATE THAT THE ELECTRICAL PANEL SERVICE CAPACITY AND ELECTRICAL SYSTEM, INCLUDING ANY ON-SITE DISTRIBUTION TRANSFORMER(S), HAVE SUFFICIENT CAPACITY TO SIMULTANEOUSLY CHARGE ALL EVS AT ALL REQUIRED EV SPACES AT A MINIMUM OF 40 AMPERES.

THE SERVICE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING PURPOSES AS "EV CAPABLE" IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.

WHEN EV CHARGERS (LEVEL 2 EVSE) ARE INSTALLED IN A NUMBER EQUAL TO OR GREATER THAN THE REQUIRED NUMBER OF EV CAPABLE SPACES. WHEN EV CHARGERS (LEVEL 2 EVSE) ARE INSTALLED IN A NUMBER LESS THAN THE REQUIRED NUMBER OF EV CAPABLE SPACES, THE NUMBER OF EV CAPABLE SPACES REQUIRED MAY BE REDUCED BY A NUMBER EQUAL TO THE NUMBER OF EV CHARGERS INSTALLED.

CONSTRUCTION DOCUMENTS ARE INTENDED TO DEMONSTRATE THE PROJECT'S CAPABILITY AND CAPACITY FOR FACILITATING FUTURE EV CHARGING. THERE IS NO REQUIREMENT FOR EV SPACES TO BE CONSTRUCTED OR AVAILABLE

UNTIL RECEPTACLES FOR EV CHARGING OR EV CHARGERS ARE INSTALLED FOR VENTY-FIVE (25) PERCENT OF THE TOTAL NUMBER OF PARKING SPACES SHALL BE EQUIPPED WITH LOW

ONE RECEPTACLE IS REQUIRED PER DWELLING UNIT WHEN MORE THAN ONE PARKING SPACE IS PROVIDED FOR USE BY A SINGLE DWELLING UNIT.

AREAS OF PARKING FACILITIES SERVED BY PARKING LIFTS. 4.106.4.2.2 MULTIFAMILY DEVELOPMENT PROJECTS WITH 20 OR MORE DWELLING UNITS, HOTELS AND MOTELS WITH 20 OR MORE SLEEPING UNITS OR GUEST ROOMS

POWER LEVEL 2 EV CHÁRGING RECEPTACLES. FOR MULTIFAMILY PARKING FACILITIES, NO MORE

THE NUMBER OF DWELLING UNITS, SLEEPING UNITS OR GUEST ROOMS SHALL BE BASED ON ALL BUILDINGS ON A PROJECT SITE SUBJECT TO THIS SECTION.

1.EV CAPABLE.

TEN (10) PERCENT OF THE TOTAL NUMBER OF PARKING SPACES ON A BUILDING SITE, PROVIDED FOR ALL TYPES OF PARKING FACILITIES, SHALL BE ELECTRIC VEHICLE CHARGING SPACES (EV SPACES) CAPABLE OF SUPPORTING FUTURE LEVEL 2 EVSE. ELECTRICAL LOAD CALCULATIONS SHALL DEMONSTRATE THAT THE ELECTRICAL PANEL SERVICE CAPACITY AND ELECTRICAL SYSTEM, INCLUDING ANY ON-SITE DISTRIBUTION TRANSFORMER(S), HAVE SUFFICIENT CAPACITY TO SIMULTANEOUSLY CHARGE ALL EVS AT ALL REQUIRED EV SPACES AT A MINIMUM OF 40 AMPERES.

THE SERVICE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE | 4.201 GENERAL DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING PURPOSES AS "EV CAPABLE" IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.

WHEN EV CHARGERS (LEVEL 2 EVSE) ARE INSTALLED IN A NUMBER GREATER THAN FIVE (5) PERCENT OF PARKING SPACES REQUIRED BY SECTION 4.106.4.2.2, ITEM 3, THE NUMBER OF EV CAPABLE SPACES REQUIRED MAY BE REDUCED BY A NUMBER EQUAL TO THE NUMBER OF EV CHARGERS INSTALLED OVER THE FIVE (5) PERCENT REQUIRED.

> CONSTRUCTION DOCUMENTS SHALL SHOW LOCATIONS OF FUTURE EV SPACES. THERE IS NO REQUIREMENT FOR EV SPACES TO BE CONSTRUCTED OR AVAILABLE UNTIL RECEPTACLES FOR EV CHARGING OR EV CHARGERS ARE INSTALLED FOR

TWENTY-FIVE (25) PERCENT OF THE TOTAL NUMBER OF PARKING SPACES SHALL BE EQUIPPED WITH LOW POWER LEVEL 2 EV CHARGING RECEPTACLES. FOR MULTIFAMILY PARKING FACILITIES, NO MORE ONE RECEPTACLE IS REQUIRED PER DWELLING UNIT WHEN MORE THAN ONE PARKING SPACE IS PROVIDED FOR USE BY A SINGLE DWELLING UNIT.

AREAS OF PARKING FACILITIES SERVED BY PARKING LIFTS.

FIVE (5) PERCENT OF THE TOTAL NUMBER OF PARKING SPACES SHALL BE EQUIPPED WITH LEVEL 2 EVSE. WHERE COMMON USE PARKING IS PROVIDED, AT LEAST ONE EV CHARGER SHALL BE LOCATED IN THE COMMON USE PARKING AREA AND SHALL BE AVAILABLE FOR USE BY ALL RESIDENTS OR GUESTS.

WHEN LOW POWER LEVEL 2 EV CHARGING RECEPTACLES OR LEVEL 2 EVSE ARE INSTALLED BEYOND THE MINIMUM REQUIRED, AN AUTOMATIC LOAD MANAGEMENT SYSTEM (ALMS) MAY BE USED TO REDUCE THE MAXIMUM REQUIRED ELECTRICAL CAPACITY TO EACH SPACE SERVED BY THE ALMS. THE ELECTRICAL SYSTEM AND ANY ON-SITE DISTRIBUTION TRANSFORMERS SHALL HAVE SUFFICIENT CAPACITY TO DELIVER AT LEAST 3.3 KW SIMULTANEOUSLY TO EACH EV CHARGING STATION (EVCS) SERVED BY THE ALMS. THE BRANCH CIRCUIT SHALL HAVE A MINIMUM CAPACITY OF 40 AMPERES, AND INSTALLED EVSE SHALL HAVE A CAPACITY OF NOT LESS THAN 30 AMPERES. ALMS SHALL NOT BE USED TO REDUCE THE MINIMUM REQUIRED ELECTRICAL CAPACITY TO THE REQUIRED EV CAPABLE SPACES.

4.106.4.2.2.1 ELECTRIC VEHICLE CHARGING STATIONS (EVCS). ELECTRIC VEHICLE CHARGING STATIONS REQUIRED BY SECTION 4.106.4.2.2, ITEM 3, SHALL COMPLY WITH SECTION 4.106.4.2.2.1.

ELECTRIC VEHICLE CHARGING STATIONS SERVING PUBLIC ACCOMMODATIONS, PUBLIC HOUSING, MOTELS AND HOTELS SHALL NOT BE REQUIRED TO COMPLY WITH THIS SECTION. SEE

4.106.4.2.2.1.1 LOCATION. EVCS SHALL COMPLY WITH AT LEAST ONE OF THE FOLLOWING OPTIONS:

CALIFORNIA BUILDING CODE, CHAPTER 11B, FOR APPLICABLE REQUIREMENTS.

THE CHARGING SPACE SHALL BE LOCATED ADJACENT TO AN ACCESSIBLE PARKING SPACE MEETING THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE, CHAPTER 11A, TO ALLOW USE OF THE EV CHARGER FROM THE ACCESSIBLE PARKING SPACE.

THE CHARGING SPACE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE, AS DEFINED IN THE CALIFORNIA BUILDING CODE, CHAPTER 2, TO THE BUILDING.

ELECTRIC VEHICLE CHARGING STATIONS DESIGNED AND CONSTRUCTED IN COMPLIANCE WITH THE CALIFORNIA BUILDING CODE, CHAPTER 11B, ARE NOT REQUIRED TO COMPLY WITH

4.106.4.2.2.1.2 ELECTRIC VEHICLE CHARGING STATIONS (EVCS) DIMENSIONS. THE CHARGING SPACES SHALL BE DESIGNED TO COMPLY WITH THE FOLLOWING:

SECTION 4.106.4.2.2.1.1 AND SECTION 4.106.4.2.2.1.2, ITEM 3.

- THE MINIMUM LENGTH OF EACH EV SPACE SHALL BE 18 FEET (5486 MM).
- THE MINIMUM WIDTH OF EACH EV SPACE SHALL BE 9 FEET (2743 MM). ONE IN EVERY 25 CHARGING SPACES, BUT NOT LESS THAN ONE, SHALL ALSO HAVE AN 8-FOOT (2438 MM) WIDE MINIMUM AISLE. A 5-FOOT (1524 MM) WIDE MINIMUM AISLE SHALL BE PERMITTED PROVIDED THE MINIMUM WIDTH OF THE EV SPACE IS 12 FEET (3658
- SURFACE SLOPE FOR THIS EV SPACE AND THE AISLE SHALL NOT EXCEED 1 UNIT VERTICAL IN 48 UNITS HORIZONTAL (2.083 PERCENT SLOPE) IN ANY DIRECTION.

4.106.4.2.2.1.3 ACCESSIBLE EV SPACES.

IN ADDITION TO THE REQUIREMENTS IN SECTIONS 4.106.4.2.2.1.1 AND 4.106.4.2.2.1.2, ALL EVSE, WHEN INSTALLED, SHALL COMPLY WITH THE ACCESSIBILITY PROVISIONS FOR EV CHARGERS IN THE CALIFORNIA BUILDING CODE, CHAPTER 11B. EV READY SPACES AND EVCS IN MULTIFAMILY DEVELOPMENTS SHALL COMPLY WITH CALIFORNIA BUILDING CODE, CHAPTER 11A, SECTION 1109A.

1. SINGLE EV SPACE REQUIRED. INSTALL A LISTED RACEWAY CAPABLE OF ACCOMMODATING A 208/240-VOLT DEDICATED BRANCH CIRCUIT. THE RACEWAY SHALL NOT BE LESS THAN TRADE SIZE 1 (NOMINAL 1-INCH INSIDE DIAMETER). THE RACEWAY SHALL ORIGINATE AT THE MAIN SERVICE OR SUBPANEL AND SHALL TERMINATE INTO A LISTED CABINET, BOX OR ENCLOSURE IN CLOSE PROXIMITY TO THE LOCATION OR THE PROPOSED LOCATION OF THE EV SPACE. CONSTRUCTION DOCUMENTS SHALL IDENTIFY THE RACEWAY TERMINATION POINT, RECEPTACLE OR CHARGER LOCATION, AS APPLICABLE. THE SERVICE PANEL AND/ OR SUBPANEL SHALL HAVE A 40-AMPERE MINIMUM DEDICATED BRANCH CIRCUIT, INCLUDING BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE INSTALLED, OR SPACE(S) RESERVED TO PERMIT INSTALLATION OF A BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE.

A RACEWAY IS NOT REQUIRED IF A MINIMUM 40-AMPERE 208/240-VOLT DEDICATED EV BRANCH CIRCUIT IS INSTALLED IN CLOSE PROXIMITY TO THE LOCATION OR THE PROPOSED LOCATION OF THE EV SPACE, AT THE TIME OF ORIGINAL CONSTRUCTION IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.

MULTIPLE EV SPACES REQUIRED. CONSTRUCTION DOCUMENTS SHALL INDICATE THE RACEWAY TERMINATION POINT AND THE LOCATION OF INSTALLED OR FUTURE EV SPACES, RECEPTACLES OR EV CHARGERS. CONSTRUCTION DOCUMENTS SHALL ALSO PROVIDE INFORMATION ON AMPERAGE OF INSTALLED OR FUTURE RECEPTACLES OR EVSE, RACEWAY METHOD(S), WIRING SCHEMATICS AND ELECTRICAL LOAD CALCULATIONS. PLAN DESIGN SHALL BE BASED UPON A 40-AMPERE MINIMUM BRANCH CIRCUIT. REQUIRED RACEWAYS AND RELATED COMPONENTS THAT ARE PLANNED TO BE INSTALLED UNDERGROUND, ENCLOSED, INACCESSIBLE OR IN CONCEALED AREAS AND SPACES SHALL BE INSTALLED AT THE TIME OF ORIGINAL CONSTRUCTION.

A RACEWAY IS NOT REQUIRED IF A MINIMUM 40-AMPERE 208/240-VOLT DEDICATED EV BRANCH CIRCUIT IS INSTALLED IN CLOSE PROXIMITY TO THE LOCATION OR THE PROPOSED LOCATION OF THE EV SPACE AT THE TIME OF ORIGINAL CONSTRUCTION IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.

4.106.4.2.4 IDENTIFICATION.

THE SERVICE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING PURPOSES AS "EV CAPABLE" IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.

4.106.4.2.5 ELECTRIC VEHICLE READY SPACE SIGNAGE.

ELECTRIC VEHICLE READY SPACES SHALL BE IDENTIFIED BY SIGNAGE OR PAVEMENT MARKINGS, IN COMPLIANCE WITH CALTRANS TRAFFIC OPERATIONS POLICY DIRECTIVE 13-01 (ZERO EMISSION VEHICLE SIGNS AND PAVEMENT MARKINGS) OR ITS SUCCESSOR(S).

4.106.4.3 ELECTRIC VEHICLE CHARGING FOR ADDITIONS AND ALTERATIONS OF PARKING FACILITIES SERVING EXISTING MULTIFAMILY BUILDINGS. WHEN NEW PARKING FACILITIES ARE ADDED, OR ELECTRICAL SYSTEMS OR LIGHTING OF EXISTING PARKING FACILITIES ARE ADDED OR ALTERED AND THE WORK REQUIRES A BUILDING PERMIT, TEN (10) PERCENT OF THE TOTAL NUMBER OF PARKING SPACES ADDED OR ALTERED SHALL BE ELECTRIC

VEHICLE CHARGING SPACES (EV SPACES) CAPABLE OF SUPPORTING FUTURE LEVEL 2 EVSE.

UNTIL EV CHARGERS ARE INSTALLED FOR USE.

CONSTRUCTION DOCUMENTS ARE INTENDED TO DEMONSTRATE THE PROJECT'S CAPABILITY AND CAPACITY FOR FACILITATING FUTURE EV CHARGING. THERE IS NO REQUIREMENT FOR EV SPACES TO BE CONSTRUCTED OR AVAILABLE

DIVISION 4.2ENERGY EFFICIENCY

FOR THE PURPOSES OF MANDATORY ENERGY EFFICIENCY STANDARDS IN THIS CODE, THE CALIFORNIA

ENERGY COMMISSION WILL CONTINUE TO ADOPT MANDATORY STANDARDS. DIVISION 4.3WATER EFFICIENCY AND CONSERVATION

4.303 INDOOR WATER USE

4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS)

SHALL COMPLY WITH THE SECTIONS 4.303.1.1, 4.303.1.2, 4.303.1.3, AND 4.303.4.4.

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

4.303.1.1 WATER CLOSETS.

THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.

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

4.303.1.3 SHOWERHEADS.

SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA

WATERSENSE SPECIFICATION FOR SHOWERHEADS. 4.303.1.3.2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER.

WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME.

A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD.

1.303.1.4.1 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.

1.303.1.4.2 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.

METERING FAUCETS WHEN INSTALLED IN RESIDENTIAL BUILDINGS SHALL NOT DELIVER MORE THAN 0.2 GALLONS PER CYCLE.

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.

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

WHEN INSTALLED, SHALL MEET THE REQUIREMENTS IN THE CALIFORNIA CODE OF REGULATIONS, TITLE 20 (APPLIANCE EFFICIENCY REGULATIONS), SECTIONS 1605.1 (H)(4) TABLE H-2, SECTION 1605.3 (H)(4) (A), AND SECTION 1607 (D)(7) AND SHALL BE EQUIPPED WITH AN INTEGRAL AUTOMATIC SHUTOFF.

THE FOLLOWING TABLE AND CODE SECTION HAVE BEEN REPRINTED FROM THE CALIFORNIA CODE OF REGULATIONS, TITLE 20 (APPLIANCE EFFICIENCY REGULATIONS), SECTION 1605.1 (H)(4) AND SECTION 1605.3 (H)(4)(A).

TABLE H-2		
STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALVES MANUFACTURED ON OR AFTER JANUARY 28, 2019		
PRODUCT CLASS [spray force in ounce force (ozf)]	MAX FLOW RATE (gpm)	
PRODUCT CLASS 1 (≤ 5.0 ozf)	1.00	
PRODUCT CLASS 2 (>5.0 off and ≤ 8.0 ozf)	1.20	
PRODUCT CLASS 3 (> 8.0 ozf)	1.28	

TITLE 20 SECTION 1605.3 (H)(4)(A): COMMERCIAL PRERINSE SPRAY VALUES MANUFACTL ON OR AFTER JANUARY 1, 2006, SHALL HAVE A MINIMUM SPRAY FORCE OF NOT LESS THAN 4.0 OUNCES-FORCE (OZF)[113 GRAMS-FORCE(GF)]

1.303.2 SUBMETERS FOR MULTIFAMILY BUILDINGS AND DWELLING UNITS IN MIXED-USED RESIDENTIAL/ COMMERCIAL BUILDINGS. SUBMETERS SHALL BE INSTALLED TO MEASURE WATER USAGE OF INDIVIDUAL RENTAL DWELLING UNITS

CALIFORNIA PLUMBING CODE.

IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE.

1.303.3 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

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

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

4.304 OUTDOOR WATER USE

4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. RESIDENTIAL DEVELOPMENTS SHALL COMPLY WITH A LOCAL WATER EFFICIENT LANDSCAPE

CALCULATOR, ARE AVAILABLE AT: https://www.water.ca.gov/

EFFICIENT LANDSCAPE ORDINANCE (MWELO), WHICHEVER IS MORE STRINGENT. THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) IS LOCATED IN THE CALIFORNIA CODE REGULATIONS, TITLE 23, CHAPTER 2.7, DIVISION 2.

MWELO AND SUPPORTING DOCUMENTS, INCLUDING WATER BUDGET

ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER

DIVISION 4.4MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

1.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE

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

4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

1.408.1 CONSTRUCTION WASTE MANAGEMENT. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NON-HAZARDOUS

CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH EITHER SECTION 4.408.2, 4.408.3 OR 4.408.4, OR MEET A MORE STRINGENT LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT

EXCAVATED SOIL AND LAND-CLEARING DEBRIS. 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 LOCATED IN AREAS BEYOND THE HAUL BOUNDARIES OF THE

1.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN.

MATERIAL COLLECTED WILL BE TAKEN.

DIVERSION FACILITY.

SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN IN CONFORMANCE WITH ITEMS 1 THROUGH 5. THE CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE AVAILABLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY.

IDENTIFY THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE DIVERTED

IDENTIFY DIVERSION FACILITIES WHERE THE CONSTRUCTION AND DEMOLITION WASTE

FROM DISPOSAL BY RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE SPECIFY IF CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE SORTED ON-SITE (SOURCE SEPARATED) OR BULK MIXED (SINGLE STREAM)

IDENTIFY CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE GENERATED. SPECIFY THAT THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH.

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.

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

4.408.4 WASTE STREAM REDUCTION ALTERNATIVE [LR].

PROJECTS THAT GENERATE A TOTAL COMBINED WEIGHT OF CONSTRUCTION AND DEMOLITION WASTE DISPOSED OF IN LANDFILLS, WHICH DO NOT EXCEED 3.4 LBS./SQ.FT. OF THE BUILDING AREA SHALL MEET THE MINIMUM 65% CONSTRUCTION WASTE REDUCTION REQUIREMENT IN SECTION 4.408.1

4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE.

PROJECTS THAT GENERATE A TOTAL COMBINED WEIGHT OF CONSTRUCTION AND DEMOLITION WASTE DISPOSED OF IN LANDFILLS, WHICH DO NOT EXCEED 2 POUNDS PER SQUARE FOOT OF THE BUILDING AREA, SHALL MEET THE MINIMUM 65% CONSTRUCTION WASTE REDUCTION REQUIREMENT IN SECTION

DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTION 4.408.2, ITEMS 1 THROUGH 5, SECTION 4.408.3 OR SECTION 4.408.4..

SAMPLE FORMS FOUND IN "A GUIDE TO THE CALIFORNIA GREEN BUILDING STANDARDS CODE (RESIDENTIAL)" LOCATED AT www.hcd.ca.gov/ CALGREEN.HTML MAY BE USED TO ASSIST IN DOCUMENTING COMPLIANCE

> MIXED CONSTRUCTION AND DEMOLITION DEBRIS (C & D) PROCESSORS CAN BE LOCATED AT THE CALIFORNIA DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY (CALRECYCLE).

4.410 BUILDING MAINTENANCE AND OPERATION

PROGRAMS AND LOCATIONS.

BE PLACED IN THE BUILDING:

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

- DIRECTIONS TO THE OWNER OR OCCUPANT THAT THE MANUAL SHALL REMAIN WITH THE
- BUILDING THROUGHOUT THE LIFE CYCLE OF THE STRUCTURE. OPERATION AND MAINTENANCE INSTRUCTIONS FOR THE FOLLOWING: A. EQUIPMENT AND APPLIANCES, INCLUDING WATER-SAVING DEVICES AND

SPACE CONDITIONING SYSTEMS, INCLUDING CONDENSERS AND AIR FILTERS.

- SYSTEMS, HVAC SYSTEMS, PHOTOVOLTAIC SYSTEMS, ELECTRIC VEHICLE CHARGERS, WATER-HEATING SYSTEMS AND OTHER MAJOR APPLIANCES AND ROOF AND YARD DRAINAGE, INCLUDING GUTTERS AND DOWNSPOUTS.
- LANDSCAPE IRRIGATION SYSTEMS. WATER REUSE SYSTEMS. INFORMATION FROM LOCAL UTILITY, WATER AND WASTE RECOVERY PROVIDERS ON METHODS TO FURTHER REDUCE RESOURCE CONSUMPTION, INCLUDING RECYCLE
- 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. INFORMATION ABOUT WATER-CONSERVING LANDSCAPE AND IRRIGATION DESIGN AND CONTROLLERS WHICH CONSERVE WATER.
- OF DIVERTING WATER AT LEAST 5 FEET AWAY FROM THE FOUNDATION. INFORMATION ON REQUIRED ROUTINE MAINTENANCE MEASURES, INCLUDING, BUT NOT LIMITED TO, CAULKING, PAINTING, GRADING AROUND THE BUILDING, ETC.
- INFORMATION ABOUT STATE SOLAR ENERGY AND INCENTIVE PROGRAMS AVAILABLE A COPY OF ALL SPECIAL INSPECTIONS VERIFICATIONS REQUIRED BY THE ENFORCING

12. INFORMATION AND/OR DRAWINGS IDENTIFYING THE LOCATION OF GRAB BAR

AGENCY OR THIS CODE. INFORMATION FROM THE DEPARTMENT OF FORESTRY AND FIRE PROTECTION ON MAINTENANCE OF DEFENSIBLE SPACE AROUND RESIDENTIAL STRUCTURES

4.410.2 RECYCLING BY OCCUPANTS.

WHERE 5 OR MORE MULTIFAMILY DWELLING UNITS ARE CONSTRUCTED ON A BUILDING SITE, PROVIDE READILY ACCESSIBLE AREA(S) THAT SERVES ALL BUILDINGS ON THE SITE AND ARE IDENTIFIED FOR THE DEPOSITING, STORAGE AND COLLECTION OF NON-HAZARDOUS MATERIALS FOR RECYCLING, INCLUDING (AT A MINIMUM) PAPER, CORRUGATED CARDBOARD, GLASS, PLASTICS, ORGANIC WASTER, AND METALS, OR MEET A LAWFULLY ENACTED LOCAL RECYCLING ORDINANCE, IF MORE

RURAL JURISDICTIONS THAT MEET AND APPLY FOR THE EXEMPTION IN PUBLIC RESOURCES CODE SECTION 42649.82 (A)(2)(A) ET SEQ. ARE NOTE REQUIRED TO COMPLY WITH THE

DIVISION 4.5ENVIRONMENTAL QUALITY SECTION 4.501 GENERAL

WEIGHT OF THE OVEN-DRY WOOD.

ORGANIC WASTE PORTION OF THIS SECTION.

CONTAMINANTS THAT ARE ODOROUS, IRRITATING AND/OR HARMFUL TO THE COMFORT AND WELL BEING OF A BUILDING'S INSTALLERS, OCCUPANTS AND NEIGHBORS.

4.501.1 SCOPE

SECTION 4.502 DEFINITIONS 5.102.1 DEFINITIONS

THE FOLLOWING TERMS ARE DEFINED IN CHAPTER 2 (AND ARE INCLUDED HERE FOR REFERENCE)

THE PROVISIONS OF THIS CHAPTER SHALL OUTLINE MEANS OF REDUCING THE QUALITY OF AIR

AGRIFIBER PRODUCTS. AGRIFIBER PRODUCTS INCLUDE WHEATBOARD, STRAWBOARD, PANEL SUBSTRATES AND DOOR CORES, NOT INCLUDING FURNITURE, FIXTURES AND EQUIPMENT (FF&E) NOT ONSIDERED BASE BUILDING ELEMENTS. <u>COMPOSITE WOOD PRODUCTS</u>. COMPOSITE WOOD PRODUCTS INCLUDE HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD. "COMPOSITE WOOD PRODUCTS" DOES NOT

INCLUDE HARDBOARD, STRUCTURAL PLYWOOD, STRUCTURAL PANELS, STRUCTURAL COMPOSITE

LUMBER, ORIENTED STRAND BOARD, GLUED LAMINATED TIMBER, PREFABRICATED WOOD I-JOISTS OR

FINGER-JOINTED LUMBER, ALL AS SPECIFIED IN CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 17,

SECTION 93120.1. <u>DIRECT-VENT APPLIANCE</u>. A FUEL-BURNING APPLIANCE WITH A SEALED COMBUSTION SYSTEM THAT DRAWS ALL AIR FOR COMBUSTION FROM THE OUTSIDE ATMOSPHERE AND DISCHARGES ALL FLUE

GASES TO THE OUTSIDE ATMOSPHERE. AXIMUM INCREMENTAL REACTIVITY (MIR). THE MAXIMUM CHANGE IN WEIGHT OF OZONE FORMED BY ADDING A COMPOUND TO THE "BASE REACTIVE ORGANIC GAS (ROG) MIXTURE" PER WEIGHT OF COMPOUND ADDED, EXPRESSED TO HUNDREDTHS OF A GRAM (G 03/G ROC). NOTE: MIR VALUES FOR INDIVIDUAL COMPOUNDS AND HYDROCARBON SOLVENTS ARE SPECIFIED IN CCR, TITLE 17,

SECTIONS 94700 AND 94701. MOISTURE CONTENT. THE WEIGHT OF THE WATER IN WOOD EXPRESSED IN PERCENTAGE OF THE

<u>PRODUCT-WEIGHTED MIR (PWMIR)</u>. THE SUM OF ALL WEIGHTED-MIR FOR ALL INGREDIENTS IN A PRODUCT SUBJECT TO THIS ARTICLE. THE PWMIR IS THE TOTAL PRODUCT REACTIVITY EXPRESSED TO HUNDREDTHS OF A GRAM OF OZONE FORMED PER GRAM OF PRODUCT (EXCLUDING CONTAINER AND PACKAGING). NOTE: PWMIR IS CALCULATED ACCORDING TO EQUATIONS FOUND IN CCR, TITLE

<u>REACTIVE ORGANIC COMPOUND (ROC)</u>. ANY COMPOUND THAT HAS THE POTENTIAL, ONCE EMITTED,) CONTRIBUTE TO OZONE FORMATION IN THE TROPOSPHERE.

October 28, 2023

INSTRUCTIONS FOR MAINTAINING GUTTERS AND DOWNSPOUTS AND THE IMPORTANCE

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4.503 FIREPLACES

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

4.504 POLLUTANT CONTROL

4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION.

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

4.504.2 FINISH MATERIAL POLLUTANT CONTROL. FINISH MATERIALS SHALL COMPLY WITH THIS SECTION.

4.504.2.1 ADHESIVES, SEALANTS AND CAULKS. ADHESIVES, SEALANT AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE

FOLLOWING STANDARDS UNLESS MORE STRINGENT LOCAL OR REGIONAL AIR POLLUTION OR AIR QUALITY MANAGEMENT DISTRICT RULES APPLY: ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS and Caulks shall comply with local or regional air pollution control or air

QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE OR SCAQMD RULE 1168 VOC

LIMITS, AS SHOWN IN TABLE 4.504.1 OR 4.504.2, AS APPLICABLE SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TRICLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS, AS

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

4.504.2.2 PAINTS AND COATINGS.

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

.504.2.3 AEROSOL PAINTS AND COATINGS.

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

VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AT THE REQUEST OF THE ENFORCING AGENCY. DOCUMENTATION MAY INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

MANUFACTURER'S PRODUCT SPECIFICATION. FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS.

TABLE 4.504.1 - ADHESIVE V	OC LIMIT 1,2
(LESS WATER AND LESS EXEMPT COMPOUNDS IN GRA	MS PER LITER)
ARCHITECTURAL APPLICATIONS	VOC LIMIT
INDOOR CARPET ADHESIVIES	50
CARPET PAD ADHESIVES	50
OUTDOOR CAPRET ADHESIVES	150
wood flooring adhesives	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHAULT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVE	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT LISTED	50
SPECIAL APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLATIC CEMENT WELDING	250
ADHESIVE PIRIMITER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30

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

TABLE 4.504.2 - S	EALANT VOC LIMIT
(LESS WATER AND LESS EXEMPT COMPOUND	OS IN GRAMS PER LITER)
SEALANTS	VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NON-POROUS	250
POROUS	775
MODIFIED BITMNOUS	500
MARINE DECK	760
OTHER	750

TABLE 4.504.3 - VOC CONTENT LIMIT FOR ARCHITECTURAL COATINGS 2,3

(GRAMS OF VOC PER LITER OF COATING, LESS WATER AND LESS EXEMPT COMPOUNDS)

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

GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNT VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD FROM THE AIR RESOURCES BOARD.

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

TABLE 4.504.5 - FORMALDEHYDE LIMITS 1		
maximum formaldehyde emissions in parts per million		
PRODUCT	CURRENT LIMIT	
HARDWOOD PLYWOOD VENEER CORE	0.05	
HARDWOOD PLYWOOD COMPOSITE CORE	0.05	
PARTICLE BOARD	0.09	
MEDIUM DENSITY FIBERBOARD	0.11	
THIN MEDIUM DENSITY FIBERBOARD 2	0.13	

VALUES IN THIS TABEL ARE DERIVED FROM THOSE SPECIFIED BY THE CALIF. AIR RESOURCES BOARD. AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333 FOR ADDITIONAL INFORMATION SEE CALF CODE OF REGULATIONS TITLE 17, SECTION 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16" (8MM).

DIVISION 4.5ENVIRONMENTAL QUALITY (continued)

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

SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS AND TESTING LABS. https://www.cdph.ca.gov/programs/ccdphp/deodc/ehlb/iaq/pages/voc.aspx.

4.504.3.1 CARPET CUSHION.

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

SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS AND TESTING LABS. https://www.cdph.ca.gov/programs/ccdphp/deodc/ehlb/iaq/pages/voc.aspx.

4.504.3.2 CARPET ADHESIVE. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 4.504.1.

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

SEE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S WEBSITE FOR CERTIFICATION PROGRAMS AND TESTING LABS. https://www.cdph.ca.gov/programs/ccdphp/deodc/ehlb/iaq/pages/voc.aspx.

4.504.5 COMPOSITE WOOD PRODUCTS.

HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDINGS SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.), BY OR BEFORE THE DATES SPECIFIED IN THOSE SECTIONS, AS SHOWN IN TABLE

VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AS REQUESTED BY THE ENFORCING AGENCY. DOCUMENTATION SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING:

PRODUCT CERTIFICATIONS AND SPECIFICATIONS. CHAIN OF CUSTODY CERTIFICATIONS.

PRODUCT LABELED AND INVOICED AS MEETING THE COMPOSITE WOOD PRODUCTS REGULATION (SEE CCR, TITLE 17, SECTION 93120, ET SEQ.). 4. EXTERIOR GRADE PRODUCTS MARKED AS MEETING THE PS-1 OR PS-2 STANDARDS OF THE ENGINEERED WOOD ASSOCIATION, THE AUSTRALIAN AS/NZS 2269, EUROPEAN 636 3S STANDARDS, AND CANADIAN CSA 0121, CSA 0151, CSA 0153 AND CSA 0325 STANDARDS. 5. OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY.

4.505 INTERIOR MOISTURE CONTROL

BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF THE CALIFORNIA BUILDING STANDARDS

4.505.2 CONCRETE SLAB FOUNDATIONS.

CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER BY CALIFORNIA BUILDING CODE, CHAPTER 19, OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY THE CALIFORNIA RESIDENTIAL CODE, CHAPTER 5, SHALL ALSO COMPLY WITH THIS

1.505.2.1 CAPILLARY BREAK.

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

1. A 4-INCH (101.6 MM) THICK BASE OF 1/2 INCH (12.7MM) OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING, SHRINKAGE, AND CURLING, SHALL BE USED. FOR ADDITIONAL INFORMATION, SEE AMERICAN CONCRETE INSTITUTE, ACI

OTHER EQUIVALENT METHODS APPROVED BY THE ENFORCING AGENCY. A SLAB DESIGN SPECIFIED BY A LICENSED DESIGN PROFESSIONAL.

4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS.

BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19 PERCENT MOISTURE CONTENT. MOISTURE CONTENT SHALL BE VERIFIED IN COMPLIANCE WITH THE FOLLOWING:

1. MOISTURE CONTENT SHALL BE DETERMINED WITH EITHER A PROBE-TYPE OR CONTACT-TYPE MOISTURE METER. EQUIVALENT MOISTURE VERIFICATION METHODS MAY BE APPROVED BY THE ENFORCING AGENCY AND SHALL SATISFY REQUIREMENTS FOUND IN SECTION 101.8 OF THIS

MOISTURE READINGS SHALL BE TAKEN AT A POINT 2 FEET (610 MM) TO 4 FEET (1219 MM) FROM THE GRADE STAMPED END OF EACH PIECE VERIFIED. AT LEAST THREE RANDOM MOISTURE READINGS SHALL BE PERFORMED ON WALL AND FLOOR FRAMING WITH DOCUMENTATION ACCEPTABLE TO THE ENFORCING AGENCY PROVIDED AT

THE TIME OF APPROVAL TO ENCLOSE THE WALL AND FLOOR FRAMING.

INSULATION PRODUCTS WHICH ARE VISIBLY WET OR HAVE A HIGH MOISTURE CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES. WET-APPLIED INSULATION PRODUCTS SHALL FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE.

4.506 INDOOR AIR QUALITY AND EXHAUST

4.506.1 BATHROOM EXHAUST FANS.

EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING: FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE

2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.

A. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE LESS THAN OR EQUAL TO 50% TO A MAXIMUM OF 80%. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL (I.E., BUILT-IN)

FOR THE PURPOSES OF THIS SECTION, A BATHROOM IS A ROOM WHICH CONTAINS A BATHTUB, SHOWER OR TUB/SHOWER COMBINATION. 2. LIGHTING INTEGRAL TO BATHROOM EXHAUST FANS SHALL COMPLY WITH THE CALIFORNIA ENERGY CODE.

4.507 ENVIRONMENTAL COMFORT

ACCEPTABLE.

4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN.

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

- THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUAL J -2011 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT
- DESIGN SOFTWARE OR METHODS. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA 1 MANUAL D - 2014 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S - 2014 (RESIDENTIAL EQUIPMENT SELECTION), OR OTHER EQUIVALENT DESIGN SOFTWARE OR
- USE OF ALTERNATE DESIGN TEMPERATURES NECESSARY TO ENSURE THE SYSTEM FUNCTIONS ARE

INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS. EXAMPLES OF ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- STATE CERTIFIED APPRENTICESHIP PROGRAMS. PUBLIC UTILITY TRAINING PROGRAMS.
- TRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATEWIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS.
- PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY.

702.2 SPECIAL INSPECTION [HCD].

WHEN REQUIRED BY THE ENFORCING AGENCY, THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE. SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. IN ADDITION TO OTHER CERTIFICATIONS OR QUALIFICATIONS ACCEPTABLE TO THE ENFORCING AGENCY, THE FOLLOWING CERTIFICATIONS OR EDUCATION MAY BE CONSIDERED BY THE ENFORCING AGENCY WHEN EVALUATING THE QUALIFICATIONS OF A SPECIAL INSPECTOR:

- CERTIFICATION BY A NATIONAL OR REGIONAL GREEN BUILDING PROGRAM OR STANDARD
- CERTIFICATION BY A STATEWIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATION, SUCH AS HERS RATERS, BUILDING PERFORMANCE CONTRACTORS, AND HOME ENERGY
- 3. SUCCESSFUL COMPLETION OF A THIRD PARTY APPRENTICE TRAINING PROGRAM IN THE APPROPRIATE TRADE. 4. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY.
- SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS
- HERS RATERS ARE SPECIAL INSPECTORS CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION (CEC) TO RATE HOMES IN CALIFORNIA ACCORDING TO THE HOME ENERGY RATING SYSTEM (HERS).

[BSC] WHEN REQUIRED BY THE ENFORCING AGENCY, THE OWNER OR THE RESPONSIBLE ENTITY INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE. SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. IN ADDITION, THE SPECIAL INSPECTOR SHALL HAVE A CERTIFICATION FROM A RECOGNIZED STATE, NATIONAL OR INTERNATIONAL ASSOCIATION, AS DETERMINED BY THE LOCAL AGENCY. THE AREA OF CERTIFICATION SHALL BE CLOSELY RELATED TO THE PRIMARY JOB FUNCTION, AS DETERMINED BY THE LOCAL AGENCY.

SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CODE.

703 VERIFICATIONS

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



October 28, 2023





