



427 LOS CER MASTER BATH

ALL CONSTRUCTION SHALL BE IN STRICT AC FOLLOWING CODES AND STANDARDS: CALIFORNIA BUILDING CODE, 2022 EDITION CALIFORNIA RESIDENTIAL CODE, 2022 EDITIO CALIFORNIA PLUMBING CODE, 2022 EDITION CALIFORNIA MECHANICAL CODE, 2022 EDITIC CALIFORNIA ELECTRICAL CODE, 2022 EDITION 2022 CALIFORNIA REFERENCED STANDARDS 2022 CALIFORNIA ENERGY CODE 2022 CALIFORNIA GREEN BUILDING STANDAR CITY OF GREENBRAE MUNICIPAL CODE COUNTY OF MARIN CODES AND ORDINANCES

CONTRACTOR MUST RECYCLE AND/OR SALV PERCENT OF THE NON-HAZARDOUS CONSTR ACCORDANCE WITH EITHER SECTION 4.408.2, SHEET G1.0, OR MEET A MORE STRINGENT C MANAGEMENT ORDINANCE PRESCRIBED BY TI OF MARIN.

ROS DR OI HRNNM AG	FFICE & DITTON	Revision 08/05/22 PR 08/30/22 2ND F 09/15/22 3RD F	n History OGRESS SET PROGRESS SET
CORDANCE WITH THE DE N CONST N BATHE	ESCRIPTION OF WORK: TRUCT A 478 SQ FT OFFICE AND MASTER ROOM ADDITION WITH A CARPORT BENEATH.	09/22/22 4TH F 10/04/22 FLOOR F SE 12/27/22 DECEMB 5/23/23 MAY 6/19/23 - PLANN 7/21/23 02/20/24 - PLANN 3/5/24	PROGRESS SET PLAN PROGRESS & ET WINDOWS ER PROGRESS SET PROGRESS SET ING SUBMISSION PREP ING SUBMISSION SET
RDS CODE S AGE FOR REUSE A MINIMUM OF 65 RUCTION AND DEMOLITION WASTE IN , 4.408.3 OR 4.408.4 FOUND ON CONSTRUCTION AND DEMOLITION WASTE HE CITY OF GREENBRAE OR COUNTY	PROJECT DATA:COUNTY: MARIN APN#: 070-071-14 YEAR BUILT: 1972 ZONING: R1-B2 OCCUPANCY: R-3/U CLIMATE ZONE: 2 TYPE OF CONSTRUCTION: V-B SEISMIC CATEGORY "D" SPRINKLERS: NO STORIES: 2 (SPLIT LEVEL) BEDROOMS: (E) 5 (N) NO CHANGE BATHROOMS: (E) 3 (N) NO CHANGE(E) RESIDENCE:3,291 SQ FT 478 SQ FT (N) LIVING AREA:(N) LIVING AREA:3,769 SQ FTLOT SF:31,746 SQ FTNO CHANGE TO LANDSCAPING. NO CHANGE TO LOCATION OF UTILITIES. NO CHANGE TO PARKING.	E & MASTER DOM ADDITION S CERROS DR (E, CA 94904-1124 070-071-14	OWNER: ATHER HEWLETT 50) 380-4967 50) 380-4967 50) 380-4967 50) 380-4967 50) 380-4967 50) 380-4967 50) 380-4967 50) 50) 380-4967 50) 50) 50) 50) 50) 50) 500 500 500 500
IMPERVIOUS SURFACE CALCULATIONSEXISTING SFPROPOSED SFHOUSE21392617FRONT PATIO & WALK481481FRONT STAIRS225225DRIVEWAY – ASPHALT53164838SIDE PAVER PATIO10641064REAR DECK13201320	NO CHANGE TO DRAINAGE. COLORS & MATERIALS TO MATCH EXISTING. <u>SHEET INDEX:</u> A0.1 COVER, PROJECT DATA, INDEX A0.2 CODE & CONSTRUCTION NOTES A0.3 BLUEPRINT FOR A CLEAN BAY A0.4 STORM-WATER POLLUTION PREVENTION TOPOGRAPHIC SURVEY G1.0 CAL GREEN REQUIREMENTS G1.1 CAL GREEN REQUIREMENTS <u>T-24A</u> <u>T-24 ENERGY CALCULATIONS</u> <u>T-24B</u> <u>T-24 ENERGY CALCULATIONS</u> <u>T-24B</u> <u>T-24 ENERGY CALCULATIONS</u> MF1R RESIDENTIAL MANDATORY MEASURES A1.00 SITE PLANS A1.10 (E) FLOOR PLAN & DEMOLITION PLAN A1.12 CONSTRUCTION PLAN A1.13 CONSTRUCTION NOTES A1.14 DOOR & WINDOW SCHEDULE	DIJJO SOT LTA AURA Draw Chris Klimen(PH: 510. Date: JUL Project Peter Christc Digitally signed by pet EMAIL=KLIMEN@ATT.J	Э > > >
IOTAL 10043 10043 LOT COVERAGE (LOT=31746 SQ FT) 33.20% 33.20%	A2.10 ROOF PLANS A3.10 SECTION VIEWS & CONSTRUCTION DETAILS A4.10 ELEVATIONS A4.11 ELEVATIONS EM1.10 ELECTRICAL & MECHANICAL PLANS EM1.11 GARAGE DUCT PLAN	SITE DATA	
Piper Park Doherty Dr Corte Madera DMV		A().1



GENERAL CONTRACTOR - GREEN BAY REMODELING: DANNY ILEBOWSKI 615.730.2259

<u>owner:</u> David & heather hewlett 650.380.4967



NOTE—Assessor's Block Numbers Shown in Ellipses. Assessor's Parcel Numbers Shown in Circles.

ASSESSORS PARCEL MAP



ō Ö 0

ABBREVIATIONS

F.B.

F.D.

F.J.

FT.

FTG.

FAU.

FDN.

FRAM'G

FLS/FS

FURR.

FUT.

GALV.

G.S.M.

G.I.

GA.

G.B.

GR.

GND

GFI.

GYP

H/C

GYP.BD.

H.D.C.P.

HDWE.

HDWD.

H.C.

Н.М.

H.B.

H.P.

HR

I.D.

INSUL.

I.C.B.O.

INT.

JAN.

K.D.

KIT.

LAB

LAM

LAV.

LKR.

LT.

MB

MFR

MFG

MAX

M.C.

MET.

MH.

MIN.

MIR.

MISC.

М.О.

MTD

MUL

N.I.C.

OBS

OFF.

0.C.

OPP

0.H.

0.D.

0.A.

OH.

PR

PTD

PNL

P.T.D.

PTR.

PTN.

P.D.

PL.

PT.

P.I.P.

PLAS.

P.LAM.

PLUMB

PLYWD/F

PREFAB

P/L PRCST.

PREFABRICATED

PRE-CAST

PROPERTY LINE

P.T.D/R

0/

OPNG.

0.F.E.

N.T.S.

NO or #

MECH.

MEMB.

H.V.A.C.

HORIZ.

HGT./HT

FLUOR.

F.H.W.S.

AND ACOUS A.D. ADJ. AFF AGGR AL. / ALUN APPROX ARCH ARCH'L ASPH. AWG. RM BITUM. BLK. BLKG. BD. BLT. BOT. BLDG. CAB. C.O. C.B. CPT CAS CHLK. CLKG. C.J. CLG. CEM. CTR. CER. C.T. CLR. CLO. CMU COL CVT. CONC/C. CONN CONST CONT CORR CG CTSK DEPT DFT D/F DIM DISP DR D.O. DBL D.S.P DWG'S E.I.F.S. ELEC. EL./ELEV FLEV EMER. ENCL. FOUPT E.W.C FXST EXP. FXPO. EXT. F.C. F.B. F.O.M. F.D. F.O.F. F.O.S. F.F. FIN. FG FΑ F.E F.E.C. F.H.C FPRF FIX FLASH.

ANGLE CENTERLINE DIAMETER EXISTING NEW PERPENDICULAR POUND ABOVE ANCHOR BOLT ACOUSTICAL ARFA DRAIN ADJUSTABLE ABOVE FINISH FLOOR AGGREGATE ALUMINUM APPROXIMATI ARCHITECT ARCHITECTURAL ASPHAL1 AWNING BEAM BITUMINOUS BLOCK BLOCKING BOARD BOLT BOTTOM BUILDING CABINET CASED OPENING CATCH BASIN CARPET CASEMENT CHAIN LINK CAST IRON CAULKING CEILING JOISTS CEILING CEMENT CENTER CERAMIC CERAMIC TILE CLEAR CLOSET CONCRETE MASONRY UNIT COLUMN COMPOSITION VINYL TILE CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CORRIDOR CORNER GAURD COUNTERSINK DEPARTMENT DETAIL DOUGLAS FIR DRINKING FOUNTAIN DIAMETER DIMENSION DISPENSER DOOR DOOR OPENING DOUBLE DOUBLE HUNG DOWN DOWN SPOUT DRY STAND PIPE DRAWER DRAWINGS EACH EXTERIOR INSULATED FINISH SYSTEM EXPANSION JOINT ELECTRICAL ELECTRICAL PANELBOARD ELEVATION ELEVATOR EMERGENCY ENCLOSURE EQUAL EQUIPMENT ELECTRICAL WATER COOLER FXISTING EXPANSION EXPOSED EXTERIOR FACE OF CONCRETE FACE OF CONCRETE BLOCK FACE OF MULLION FLOOR DRAIN FACE OF FINISH FACE OF STUDS FALSE FRONT/FINISH FLOOR FINISH FINISH GRADE FIRE ALARM FIRE EXTINGUISHER FIRE EXTINGUISHER CAB. FIRE HOSE CABINET FIREPROOF FIXED FLASHING

FLAT BAR FLAT HEAD WOOD SCREW FLOOR
FLOOR DRAIN FLOOR JOISTS
FOOT OR FEET FOOTING
FOUNDATION FRAMING
FULL SIZE FURRING FUTURE
GALVANIZED GALVANIZED IRON GALVANIZED SHEET METAL GAUGE
GLASS GRAB BAR GRADF
GROUND GROUND FAULT INTERRUPTER GYPSUM GYPSUM BOARD
HANDICAP HANDICAP / HANDICAPPED
HARDWARE HARDWOOD HEIGHT
HOLLOW CORE HOLLOW METAL
HOSE BIB HIGH POINT
HEATING, VENTING & AIR CONDITIONING
INSIDE DIAMETER INSULATION
INTERIOR INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
JANITOR JOINT
KILN DRIED KITCHEN
LABORATORY LAMINATE
LIGHT LOCKER
MACHINE BOLT MANUFACTURER MANUFACTURING
MAXIMUM MECHANICAL MEDICINE CABINET
MEMBRANE METAL MAN HOLE
MASONRY OPENING MOUNTED
NORTH
NOMINAL NOT IN CONTRACT NOT TO SCALE NUMBER
OBSCURE OWNER FURNISHED EQUIPMENT OFFICE ON CENTER
OPENING OPPOSITE OPPOSITE HAND
OUTSIDE DIAMETER (Dia) OVER
OVER HANG/OVERHEAD
PAINTED PANEL DADED TOWEL DISDENSED
PAPER TOWEL DISPENSER PAPER TOWEL DISPENSER AND RECEPTACLE COMBO
PAPER TOWEL RECEPTACLE PARTITION PLANTER DRAIN
PLASTER PLASTIC LAMINATE PLATE
PLUMBING LY PLYWOOD POINT/PRESSURE TREATED
POURED IN PLACE

RAIN WATER LEADER REDWOOD REGISTER REINFORCE REFERENCE REFRIGERATOR REQUIRED RESILIENT REDWOOD REVERSE RISER/ RADIUS ROOM ROUGH OPENING	2. TH SE 3. DC OT BE TO DR 4. MA AN OR ME CO
SANITARY NAPKIN DISPENSER SLIDING GLASS DOOR SANITARY NAPKIN RECEPTACLE SCHEDULE SEAT COVER DISPENSER SECTION SEE CIVIL ENGINEER DRAWINGS SEE ELECTRICAL DRAWINGS SEE LANDSCAPE DRAWINGS SEE MECHANICAL DRAWINGS SEE PLUMBING DRAWINGS SEE STRUCTURAL DRAWINGS SER VICE SINK SHEAR WALL SHEFT	RE 5. INS OF 6. EX 7. DC 8. WI 8.1. 8.2.
SHOWER SIMILAR SINGLE HUNG/SHELF	8.3.
SKYLIGHT SLIDING/ SLOPE SMOKE DETECTOR SOAP DISPENSER SOLID CORE SOUTH SPACE SPECIFICATION SQUARE SQUARE FOOT SQUARE INCH STAINLESS STEEL STANDARD STATION STEEL STORAGE STRUCTURAL STRUCTURAL STRUCTURAL STRUCTURE SUSPENDED SYMMETRICAL TELEPHONE TELEVISION TEMPERED/TEMPORARY TERRAZZO THICK TILE TOILET PAPER DISPENSER TONGUE AND GROOVE TOP OF CURB TOP OF CURB TOP OF SUBFLOOR/SLAB TOP OF SHEATHING TOP OF WALL/WINDOW TOWEL BAR TREAD TYPICAL UNDERWRITERS LABORATORY UNFINISHED UNIEORM BUILDING CODE W(9. LA AW 10. SL 11. AL 12. AL 13. AL 14. BA CO HE 15. GY TO 16. AN LU 17. PR 18. CO SC AN INS INE SE 19. CO RE TH CC CC RE TH CC CC FE
VERIFY IN FIELD VERIFY IN FIELD VERIFY IN FIELD VERTICAL VERTICAL GRAIN VESTIBULE VINYL VINYL COMPOSITION TILE WEST/WAX WAINSCOT WATER CLOSET WATER HEATER WATERPROOF WEIGHT WITH WITHOUT WOOD	PLUME 1. PL 2. SH 3. PR 4. PR 5. PR 6. MII 7. SE 8. TH 9. AL 9. AL 10. HC

QUARRY TILE

QT

R.W.L.

RGTR

REINF

REF

REFG

REQ.

RESIL

RDWD.

REV

RM

R.O.

S.N.D.

S.N.R.

SCHED.

S.C.D.

SECT.

S.E.D.

S.L.D.

S.M.D.

S.P.D.

S.S.D.

S.S.X.

SW

SHT.

SHR

SIM

SKYLT

SPEC

SQ.FT

SQ.IN

SST

STD.

STA.

STL.

STOR.

STRL

STRUC

SUSP.

SYM.

TEL

T. V.

TEMP.

TERR.

T.P.D.

T.O.C.

T.O.P.

T.O.S.

T.O.P.

T.O.W.

T.B.

U.L

UNF

UBC

U.O.N.

UR.

V.I.F.

V.G.

VERT.

VEST.

VCT

VNL./V

WSCT

W.C.

WH.

W./O

TRD.

T.O.SHTG

T.G.

THK./TK

SQ

S.C.E.D.

SGD

RWD.

0

Ο

 \square

σ

<u>GENERAL NOTES:</u>

THESE PLANS ARE FOR GENERAL CONSTRUCTION PURPOSES ONLY. THEY ARE NOT EXHAUSTIVELY DETAILED NOR FULLY SPECIFIED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY DIMENSIONS, CONDITIONS, MATERIALS, EQUIPMENT, SELECTIONS, AND TITLE 24 COMPLIANCE.

THE CONTRACTOR SHALL VERIFY ALL SITE GRADES, EXISTING IMPROVEMENTS, PROPERTY LINES, EASEMENTS, SETBACKS, AND UTILITIES, AND REPORT WHERE DISCREPANCIES OCCUR.

DO NOT SCALE THE DRAWINGS. DIMENSIONS ARE TO FACE OF FINISH AND ACTUAL DOOR OPENING WIDTH UNLESS OTHERWISE NOTED (U.O.N.). ALL DIMENSIONS NOTED "CLEAR" OR "CLR" ARE FOR EQUIPMENT CLEARANCES AND MUST BE STRICTLY MAINTAINED. ALL DIMENSIONS NOTED "VERIFY" OR V. I. F. ARE TO BE CHECKED BY CONTRACTOR PRIOR TO AND DURING CONSTRUCTION. DIMENSIONS TAKE PRECEDENCE OVER SCALE OF THE DRAWING; DO NOT SCALE DRAWINGS.

MANUFACTURER'S MATERIALS, EQUIPMENT, ETC., SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS (U.O.N.). THE CONTRACTOR ACKNOWLEDGES THAT THE DRAFTER SHALL NOT SUPERVISE, DIRECT, OR HAVE CONTROL OVER THE WORK NOR SHALL THE DRAFTER HAVE ANY RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES SELECTED BY THE CONTRACTOR NOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR PROGRAMS IN CONNECTION WITH THE WORK. THESE RIGHTS AND RESPONSIBILITIES ARE SOLELY THOSE OF THE CONTRACTOR IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS. INSTALLATION INSTRUCTIONS FOR ALL LISTED EQUIPMENT SHALL BE PROVIDED TO THE FIELD INSPECTOR AT TIME OF INSPECTION.

EXTERIOR WINDOWS AND DOORS SHALL MEET THE DESIGN PRESSURE RATING REQUIREMENTS OF CBC §1714.5. DOORS AND WINDOWS TO THE EXTERIOR SHALL BE FULLY WEATHER STRIPPED.

WINDOW EGRESS: 8.1. BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE NOT LESS THAN ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL OPEN

DIRECTLY INTO A PUBLIC WAY, OR TO A YARD OR COURT THAT OPENS TO A PUBLIC WAY. EMERGENCY AND ESCAPE RESCUE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 SQUARE FEET. THE NET CLEAR OPENING DIMENSIONS REQUIRED SHALL BE OBTAINED BY THE NORMAL OPERATION OF THE EMERGENCY ESCAPE AND RESCUE OPENING FROM THE INSIDE. THE NET CLEAR HEIGHT OF THE OPENING SHALL BE NOT LESS THAN 24 INCHES AND THE NET CLEAR WIDTH SHALL BE NOT LESS THAN 20 INCHES. EXCEPTION: GRADE FLOOR OPENINGS OR BELOW-GRADE OPENINGS SHALL HAVE A NET CLEAR OPENING AREA OF NOT LESS THAN 5 SQUARE FEET.

WHERE A WINDOW IS PROVIDED AS THE EMERGENCY ESCAPE AND RESCUE OPENING, IT SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT GREATER THAN 44 INCHES MEASURED FROM THE FLOOR; WHERE THE SILL HEIGHT IS BELOW GRADE, IT SHALL BE PROVIDED WITH A WINDOW WELL IN ACCORDANCE WITH SECTION R310.2.3.

LANDINGS SHALL NOT BE MORE THAN 7-3/4" LOWER THAN THRESHOLD AND MAINTAIN $\frac{1}{4}$ " INCH PER FOOT SLOPE AWAY FROM BUILDING FOR DRAINAGE.

SLOPE ALL GRADES AWAY FROM NEW CONSTRUCTION AT 6" FOR EVERY 5' ALL NEW CONSTRUCTION TO BLEND/MATCH EXISTING.

ALL WOOD TO BE DOUGLAS FIR #2 OR BETTER, U.O.N.

ALL CONCRETE TO BE 2.500 P.S.I. @ 28 DAYS OR AS SPECIFIED BY THE STRUCTURAL ENGINEER (IF APPLICABLE). BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR. CRC R307.2

GYPSUM BOARD SHALL NOT BE USED WHERE THERE WILL BE DIRECT EXPOSURE TO WATER, OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY. CRC R702.3.7 ANY WOOD FRAMING MEMBERS LESS THAN 8 INCHES FROM THE EXPOSED GROUND SHALL BE PRESSURE TREATED

LUMBER PER CRC R317.1. PROVIDE FIRE DEPARTMENT ACCESS AT ALL TIMES DURING CONSTRUCTION.

CONTRACTOR IS TO PROVIDE AND INSTALL ALL WORK SHOWN ON DRAWINGS, SUBJECT TO THE LIMITATIONS OF SCOPE OF THE BASE BID, LISTED ABOVE. THE CONTRACTOR SHALL PROVIDE MISCELLANEOUS FASTENERS, BLOCKING AND SEALANTS INCIDENTAL TO COMPLETE THE CONTRACTED WORK. THIS SHALL INCLUDE SUPPLYING AND INSTALLING NECESSARY BACKING INSIDE WALLS FOR THE INSTALLATION OF WALL HANGING ACCESSORIES WHERE INDICATED. ALL WORK SHALL BE INSTALLED AS SHOWN ON DRAWINGS, PLUMB, AND LEVEL, TRUE TO LINE AND SECURELY FASTENED OR ANCHORED

CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS TO COORDINATE WITH EXISTING BUILDING CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ANY FIELD OBSERVED CODE VIOLATIONS. OR INCORRECT EXISTING CONSTRUCTION INCLUDING APPARENT CONFLICTS BETWEEN THE EXISTING CONSTRUCTION AND THE CONTRACT DRAWINGS TO THE IMMEDIATE ATTENTION OF THE DESIGNER. DO NOT SCALE DRAWINGS, CONTACT DESIGNER FOR CLARIFICATION OF DIMENSIONS.

20. CONTRACTOR SHALL MAKE EVERY REASONABLE EFFORT TO PROTECT THE POSSESSIONS OF THE OWNER THAT REMAIN IN OR ADJACENT TO THE WORK FROM LOSS OR DAMAGE. ANY PORTION OF THE PROPERTY DAMAGED BY THE CONTRACTOR OR SUBCONTRACTOR DURING THE COURSE OF THE WORK MUST BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. THE TERM "DAMAGES" SHALL INCLUDE, BUT NOT BE LIMITED TO ANY DAMAGE CAUSED BY CONTRACT OPERATION OR WORKERS DURING CONSTRUCTION TO THE OWNER'S RESIDENCE, FURNISHINGS, CLOTHING, FENCES, ADJOINING PROPERTIES OR TO PUBLIC SPACES.

_UMBING NOTES:

PLUMBING FIXTURES MUST COMPLY WITH FLOW RATES SPECIFIED IN CAL GREEN SECTION 4.303 SHOWER TO BE PROVIDED WITH PRESSURE BALANCE OR THERMOSTATIC MIXING VALVE CONTROLS PROVIDE 1-1/2" DRAIN LINE MINIMUM FROM KITCHEN. CPC 420.3

PROVIDE A LISTED AIR GAP FOR DISHWASHER. CPC 414.3

PROVIDE NON-REMOVABLE BACKFLOW PREVENTION DEVICE ON ALL NEW EXTERIOR HOSE BIBS.

MINIMUM OF 1/4" PER FOOT (2%) SLOPE FOR ALL HORIZONTAL DRAINAGE PIPING. SEISMIC STRAPPING FOR HOT WATER HEATER REQUIRED PER CPC SECTION 508.2.

THE HOT WATER HEATER TEMPERATURE/PRESSURE RELIEF VALVE SHALL HAVE ATTACHED TO IT A PIPE WHICH WILL RUN OUTSIDE THE BUILDING WITH THE END OF THE PIPE BETWEEN 6 & 24 INCHES ABOVE GRADE & POINTED DOWN

ALL NEW GAS PIPING SHALL BE SIZED TO SUPPLY SUFFICIENT GAS TO THE APPLIANCES. THE GAS PIPING SHALL BE TESTED WITH 10 LBS. OF PRESSURE FOR A MINIMUM OF 15 MINUTES.

HOT WATER PIPING ¾" AND GREATER SERVING A KITCHEN SHALL BE INSULATED WITH MINIMUM 1"WALL THICKNESS INSULATION. 11. ALL OVEN AND STOVE GAS VALVES SHALL BE READILY ACCESSIBLE AND BE WITHIN 3'-O" OF THE APPLIANCE.

CONNECTORS MAY NOT BE CONCEALED OR PASS THROUGH ANY FLOOR, WALL PARTITION, CEILING, OR APPLIANCE HOUSING CABINET 12. A 2" ACCESSIBLE PLUMBING CLEANOUT UNDER THE SINK SHALL BE REQUIRED.

13. PER CPC 414.3, A LISTED AIR GAP SHALL BE INSTALLED BETWEEN THE DISHWASHER DRAINPIPE AND THE GARBAGE DISPOSAL INLET.

MECHANICAL NOTES:

INCLUDING TWO 90-DEGREE ELBOWS.

PER CMC, SECTION 502.2.1, POINT OF EXHAUST VENT MUST BE A MINIMUM OF 3'-O" FROM A PROPERTY LINE OR OPENINGS INTO THE BUILDINGS SUCH AS DOORS, WINDOWS, OPENING SKYLIGHTS, ATTIC VENTS & 10-FEET FROM A FORCED AIR INLET. 2. PER CMC, SECTION 504.1.1, BACK DRAFT DAMPER ARE REQUIRED ON VENTILATION SYSTEMS EXHAUSTING TO THE

FXTFRIOR. PER CRC SECTION 302.5.2, 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 4. PROVIDE EXHAUST HOOD OVER RANGE/ COOKTOP, 100 CFM MINIMUM AND IT SHALL TERMINATE OUTSIDE

5. A VERTICAL MINIMUM CLEARANCE OF 30" IS REQUIRED ABOVE A RANGE TO COMBUSTIBLES MATERIALS, AND A MINIMUM VERTICAL CLEARANCE OF 24" ABOVE THE RANGE TO THE BUILT-IN MICROWAVE OVENS IS REQUIRED. NOTE: LARGER UNITS REQUIRE GREATER CLEARANCES, REFER TO MANUFACTURER REQUIREMENTS. 6. A CLOTHES DRYER EXHAUST DUCT SHALL NOT BE CONNECTED TO A VENT CONNECTOR, GAS VENT, CHIMNEY, AND SHALL NOT TERMINATE INTO A CRAWL SPACE, ATTIC, OR OTHER CONCEALED SPACE. EXHAUST DUCT SHALL NOT BE ASSEMBLED WITH SCREWS OR OTHER FASTENING MEANS THAT EXTEND INTO THE DUCT AND THAT ARE CAPABLE OF CATCHING LINT, AND THAT REDUCE THE EFFICIENCY OF THE EXHAUST SYSTEM. EXHAUST DUCTS SHALL BE CONSTRUCTED OF RIGID METALLIC MATERIAL WITH A SMOOTH INTERIOR SURFACE.. TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 2158A, OR INSTALLED IN ACCORDANCE WITH THE CLOTHES DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS. CLOTHES DRYER EXHAUST DUCTS SHALL TERMINATE TO THE OUTSIDE OF THE BUILDING IN ACCORDANCE WITH SECTION 502.2.1 AND SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER. SCREENS SHALL NOT BE INSTALLED AT THE DUCT TERMINATION. DEVICES, SUCH AS FIRE OR SMOKE DAMPERS THAT WILL OBSTRUCT THE FLOW OF THE EXHAUST SHALL NOT BE USED. WHERE JOINING OF DUCTS, THE MALE END SHALL BE INSERTED IN THE DIRECTION OF AIRFLOW. DUCT SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14-FEET,

ELECTRICAL NOTES:

- 12 FEET BETWEEN RECEPTACLES ON THE SAME WALL.
- AS REQUIRED FOR OVERCURRENT PROTECTION. MONOXIDE ALARMS.
- AND WATER PIPES.
- CLOTHES CLOSETS.
- (GARAGE/ HOUSE WALL) PER BUILDING CODE SECTION 712.3.2. GASKETED-COVER TYPE FOR USE IN WET LOCATIONS.
- RECEPTACLE OUTLETS. THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS. 15. BATHROOM LIGHTING CANNOT BE ON AN OUTLET CIRCUIT.
- SPRAY. 17. UNDER CABINET LUMINAIRES SHALL BE SEPERATELY SWITCHED RECEPTACLES, CEC 210.11 (C)(2), & (C) (3).
- AND RANGF
- 21. ALL KITCHEN RECEPTACLES SHALL BE GFCI PROTECTED. CEC 210(A) 5 & 6.
- DUPLEX RECEPTACLES FOR GARBAGE DISPOSALS & DISHWASHERS REQUIRE A COMMON TRIP BREAKER IN THE
- SERVICE PANELS.
- AND RECEPTACLE SHALL BE ACCESSIBLE AND LABELED FND
- OR COUNTER FRONTS AND WALLS.
- 28. PER CEC 210.11(C)(2), AT LEAST ONE 20-AMPERE BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE
- CLOSETS LESS THAN 70 SQ FT & HALLWAYS
- W/CEC 150(K)(L)(A).
- 32. ALL PROPOSED LIGHTING TO BE HIGH EFFICACY IN ACCORDANCE WITH CEC 150, O (K)(L)(A)
- PHOTOCELL AND MOTION SENSOR a.a. PHOTOCONTROL AND AUTOMATIC TIME SWITCH CONTROL a.b. ASTRONOMICAL TIME CLOCK CONTROLD. a.c. a.d. ENERGY MANAGEMENT CONTROL SYSTEM
- LUMINAIRES PER CEnC 150(K)(2)(A).
- UNDER-FLOOR SPACE.
- "FUTURE 240V USE".

1. ARC FAULT CIRCUIT INTERRUPTER (AFCI) REQUIRED FOR ALL NEW 120-VOLT, SINGLE-PHASE, 15 AND 20 AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN KITCHENS, BATHROOMS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, LAUNDRY ROOMS, GARAGE, HALLWAYS, OR SIMILAR ROOMS OR AREAS.

PER CEC 406.12, PROVIDE TAMPER-RESISTANT RECEPTACLES IN AREAS SPECIFIED IN CEC 210.52, SPECIFICALLY ALL 125-VOLT, 15- AND 20-AMPERE RECEPTACLES IN AREAS SUCH AS KITCHENS, BATHROOMS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, SUNROOMS, BEDROOMS, RECREATION ROOMS, LAUNDRY ROOMS, GARAGE, OR SIMILAR ROOMS OR AREAS OF A DWELLING UNIT. RECEPTACLES SHALL BE INSTALLED SUCH THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE

OF ANY WALL SPACE IS MORE THAN 6 FEET FROM A RECEPTACLE OUTLET. THIS ALLOWS FOR A MAXIMUM OF SMOKE ALARM. WHEN A PERMIT IS REQUIRED FOR ALTERATIONS, REPAIRS OR ADDITIONS EXCEEDING \$1,000,

EXISTING DWELLINGS THAT HAVE ATTACHED GARAGES OR FUEL BURNING APPLIANCES, SMOKE DETECTORS SHALL BE INSTALLED: (A) IN EACH SLEEPING ROOM, (B) OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS. (C) ON EACH STORY OF THE DWELLING. INCLUDING BASEMENTS AND HABITABLE ATTICS BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. NEW SMOKE ALARMS TO BE INTERCONNECTED. 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 BACKUP. 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

5. CARBON MONOXIDE ALARM. WHEN A PERMIT IS REQUIRED FOR ALTERATIONS, REPAIRS OR ADDITIONS EXCEEDING \$1,000, EXISTING DWELLINGS THAT HAVE ATTACHED GARAGES OR FUEL BURNING APPLIANCES SHALL BE PROVIDED WITH A CARBON MONOXIDE ALARM IN THE FOLLOWING LOCATIONS: (A) OUTSIDE OF THE DWELLING UNIT SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM(S); (B) ON EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS. 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. COMBINATION CARBON MONOXIDE AND SMOKE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF CARBON

6. ANY SMOKE ALARM WITHIN 20 FEET OF A PERMANENTLY INSTALLED COOKING APPLIANCE SHALL BE THE IONIZATION OR PHOTOELECTRIC ALARM TYPE AND HAVE A MINIMUM SPACING OF 10 FEET AWAY. THE MINIMUM DISCONNECTION MEANS FOR A SINGLE FAMILY DWELLING IS 100 AMPERES, 3-WIRE PROVIDE ADEQUATE GROUND TO ELECTRICAL SERVICE ENTRY PANEL. VERIFY OR PROVIDE BOND TO METAL GAS

9. ELECTRICAL SUB PANELS SHALL NOT BE LOCATED IN THE VICINITY OF EASILY IGNITABLE MATERIALS SUCH AS

10. STAGGER NEW ELECTRICAL OUTLETS BY AT LEAST 24-INCHES ON THE OPPOSITE SIDE OF THE FIRE-WALL

11. PROVIDE AND INSTALL RECEPTACLE OUTLETS AT HOUSE EXTERIOR WALLS THAT ARE GFCI PROTECTED,

12. PROVIDE AT LEAST ONE GFCI OUTLET WITHIN 3 FEET OF EACH SINK IN THE BATHROOMS. 13. AT LEAST ONE NEW LUMINAIRE IN EACH BATHROOM SHALL BE CONTROLLED BY A VACANCY SENOR.

14. PER CEC, AT LEAST ONE 20-AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE BATHROOM

16. PER CEC 410.10(D), NO PARTS OF CORD-CONNECTED LUMINAIRES, CHAIN-, CABLE-, OR CORD-SUSPENDED LUMINAIRES, LIGHTING TRACK, PENDANTS, OR CEILING-SUSPENDED (PADDLE) FANS SHALL BE LOCATED WITHIN A ZONE MEASURED 3 FT HORIZONTALLY AND 8 FT VERTICALLY FROM THE TOP OF THE BATHTUB RIM OR SHOWER STALL THRESHOLD. THIS ZONE IS ALL ENCOMPASSING AND INCLUDES THE SPACE DIRECTLY OVER THE TUB OR SHOWER STALL. LUMINAIRES LOCATED WITHIN THE ACTUAL OUTSIDE DIMENSION OF THE BATHTUB OR SHOWER TO A HEIGHT OF 8 FT VERTICALLY FROM THE TOP OF THE BATHTUB RIM OR SHOWER THRESHOLD SHALL BE MARKED FOR DAMP LOCATIONS, OR MARKED FOR WET LOCATIONS WHERE SUBJECT TO SHOWER

18. A MINIMUM OF (2) 20 AMP GFCI PROTECTED CIRCUITS SHALL SUPPLY ALL KITCHEN COUNTER TOP

19. PROVIDE 20 AMP DEDICATED CIRCUITS FOR THE DISHWASHER, GARBAGE DISPOSAL, REFRIGERATOR, MICROWAVE 20. RECEPTACLE OUTLETS SHALL BE LOCATED NO MORE THAN 20" ABOVE COUNTER TOP AND NO MORE THAN 12" BELOW IF COUNTER DOES NOT EXTEND MORE THAN 6"FROM BASE. PENINSULA COUNTERTOP SPACES 24"LONG OR GREATER AND SHORT DIMENSION 12" OR GREATER SHALL HAVE AT LEAST ONE RECEPTACLE.

22. THE KITCHEN COUNTERTOP WALLS SHALL BE NO MORE THAN 24" FROM A GFCI OUTLET. THIS DOES NOT APPLY TO ANY COUNTERTOP WALLS BEHIND SINKS. RANGES OR MOUNTED COOKTOPS. 23. THE UNDERCOUNTER ELECTRICAL OUTLET SERVING THE DISHWASHER SHALL BE GFCI PROTECTED. MULTI-WIRE

24. THE GARBAGE DISPOSAL AND DISHWASHER SHALL BE ON SEPARATE BRANCH CIRCUITS TO PROVIDE OVERLOAD PROTECTION FOR MOTOR-OPERATED APPLIANCES. [CEC 422.12(G) AND CEC 430.32] 25. THE MAXIMUM LENGTH FOR A GARBAGE DISPOSAL CORD IS 36" AND A DISHWASHER IS 48". ATTACHMENT PLUG

26. ISLANDS OR PENINSULAS REQUIRE AT LEAST 1 RECEPTACLE. RECEPTACLES MAY NOT BE MORE THAN 12" BELOW THE COUNTER SURFACE OR BE BELOW A COUNTER THAT EXTENDS MORE THAN 6"BEYOND A CABINETS

27. IBC 1208.1 - A MINIMUM OF 3'-0" CLEARANCE IS REQUIRED BETWEEN THE COUNTER FRONTS AND APPLIANCES,

LAUNDRY RECEPTACLE OUTLET(S). THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS. 29. DIMMERS OR VACANCY SENSORS ARE REQUIRED TO CONTROL ALL HIGH-EFFICACY LUMINAIRES, EXCEPT

30. ALL NEW RECESSED LIGHTING SHALL COMPLY WITH THE REFERENCE JOINT APPENDIX JA8 AND SHALL NOT CONTAIN SCREW BASE SOCKET. CA ENERGY SECTIONS 150.0 (K) 1 C.

31. RECESSED LIGHTING FIXTURES TO BE LISTED FOR ZERO CLEARANCE INSULATION CONTACT (IC) IN ACCORDANCE

33. ALL NEW OUTDOOR LIGHTING, IF ANY, IS TO BE HIGH-EFFICACY, TO BE CONTROLLED BY AN ON/OFF SWITCH AND INCLUDE ONE OF THE FOLLOWING PER CA ENERGY CODE SECTION 150.0 (K) 3A .:

34. HIGH EFFICACY LUMINAIRES (NEW LIGHTING) TO BE SEPARATELY SWITCHED FROM ANY EXISTING LOW EFFICACY

35. AN ATTIC OR UNDER-FLOOR SPACE IN WHICH AN APPLIANCE IS INSTALLED SHALL BE PROVIDED WITH A PERMANENT 120V RECEPTACLE OUTLET AND A LIGHTING FIXTURE SHALL BE INSTALLED NEAR THE APPLIANCE. THE SWITCH CONTROLLING THE LIGHTING FIXTURE SHALL BE LOCATED AT THE ENTRANCE TO THE ATTIC OR

36. PER 2022 RESIDENTIAL COMPLIANCE MANUAL 5.3.4.1 AND 2022 CALIFORNIA ENERGY CODE 150.0(N), FOR NEW GAS OR PROPANE WATER HEATER INSTALLATIONS IN NEW CONSTRUCTION AND ADDITIONS (IF A WATER HEATER IS INSTALLED IN THE ADDED FLOOR AREA), A DEDICATED 125V, 20A ELECTRICAL RECEPTACLE IS REQUIRED. THIS RECEPTACLE SHALL BE INSTALLED WITHIN 3 FEET OF THE WATER HEATER, ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS, AND BE CONNECTED TO A 3 CONDUCTOR WITH A 10 AWG COPPER BRANCH CIRCUIT. IN ADDITION, BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED, AND A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE ELECTRICAL PANEL ADJACENT TO THE CIRCUIT BREAKER FOR THE BRANCH CIRCUIT SHALL BE LABELED WITH THE WORDS

Revision History **PROGRESS SET** 08/05/22

_	
08/30/22	2ND PROGRESS SET
09/15/22	3RD PROGRESS SET
09/22/22	4TH PROGRESS SET
10/04/22	FLOOR PLAN PROGRESS & SET WINDOWS
12/27/22	DECEMBER PROGRESS SET
5/23/23	MAY PROGRESS SET
6/19/23 -	PLANNING SUBMISSION
7/21/23	PREP
02/20/24 -	PLANNING SUBMISSION
3/5/24	SET





Chris Klimen

klimen@att.net PH: 510.928.1359

Date: JULY 05, 2022 Project / Job #:

Peter Christopher Klimen DIGITALLY SIGNED BY PETER CHRISTOPHER KLIMEN EMAIL=KLIMEN@ATT.NET DATE: 03/05/24



Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project. Please note: the wet season begins on October 1 and continues through April 30.

Materials & Waste Management



Non-Hazardous Materials

- Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- Check waste disposal containers frequently for leaks and to make sure they are not overfi lled. Never hose down a dumpster on the construction site.
- Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fl uids as hazardous waste.

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to suffi ciently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



Maintenance and Parking

- □ Designate an area, fi tted with appropriate BMPs, for vehicle and equipment parking and storage.
- Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan big enough to collect fl uids. Recycle or dispose of fl uids as hazardous waste.
- ☐ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, steam cleaning equipment, etc.

Spill Prevention and Control

- Keep spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- Clean up spills or leaks immediately and dispose of cleanup materials properly.
- Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them. Clean up spills on dirt areas by digging up and
- properly disposing of contaminated soil.
- Report signifi cant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Storm drain polluters may be liable for fines of up to \$10,000 per day!

Earthwork & Contaminated Soils



□ Schedule grading and excavation work for

maintain temporary erosion controls (such

as erosion control fabric or bonded fi ber

control on slopes or where construction is

Protect storm drain inlets, gutters, ditches.

and drainage courses with appropriate

BMPs, such as gravel bags, fiber rolls,

Prevent sediment from migrating offsite

by installing and maintaining sediment

Keep excavated soil on the site where it

□ Transfer excavated materials to dump

trucks on the site, not in the street.

□ If any of the following conditions are

observed, test for contamination and

contact the Regional Water Quality

□ Abandoned underground tanks.

□ Buried barrels, debris, or trash.

□ Unusual soil conditions, discoloration,

will not collect into the street.

controls, such as fiber rolls, silt fences, or

matrix) until vegetation is established.

Seed or plant vegetation for erosion

not immediately planned.

Sediment Control

berms, etc.

sediment basins.

□ Contaminated Soils

Control Board:

or odor.

□ Abandoned wells

Stabilize all denuded areas, install and

Paving/Asphalt Work

Concrete, Grout & Mortar Application



- Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
- Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

- Completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- Shovel, abosorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If sawcut slurry enters a catch basin, clean it up immediately.



- Store concrete, grout and mortar under cover, on pallets and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks offsite or in a contained area, so there is no discharge into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal offsite.

Dewatering



- Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Divert run-on water from offsite away from all disturbed areas or otherwise ensure compliance.
- When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine whether testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Erosion Control

dry weather only.





Painting & Paint Removal



Painting cleanup

- □ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or surface waters.
- For water-based paints, paint out brushes to the extent possible. Rinse to the sanitary sewer once you have gained permission from the local wastewater treatment authority. Never pour paint down a drain.
- For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of residue and unusable thinner/solvents as hazardous waste

Paint removal

- Chemical paint stripping residue and chips and dust from marine paints or paints containing lead or tributyltin must be disposed of as hazardous waste.
- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.

Landscape Materials



- Contain stockpiled landscaping materials by storing them under tarps when they are not actively being used.
- Stack erodible landscape material on pallets. Cover or store these materials when they are not actively being used or applied.
- Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

Revision History						
08/05/22	PROGRESS SET					
08/30/22	2ND PROGRESS SET					
09/15/22	3RD PROGRESS SET					
09/22/22	4TH PROGRESS SET					
10/04/22	FLOOR PLAN PROGRESS & SET WINDOWS					
12/27/22	DECEMBER PROGRESS SET					
5/23/23	MAY PROGRESS SET					
6/19/23 -	PLANNING SUBMISSION					
7/21/23	PREP					
02/20/24 -	PLANNING SUBMISSION					
3/5/24	SET					







Good Housekeeping. Control measures shall be **continually implemented and maintained throughout the project** until activities are complete, disturbed areas are stabilized with permanent erosion controls, and the local agency has signed off on permits that may have been required for the project. **Inspect and maintain the control measures** before and after rain events, and as required by the local agency or state permit.

More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) and California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the *California Best Management Practices Handbook Portal: Construction* at http://www.casqa.org. Caltrans factsheets are available in the *Construction Site BMP Manual March 2003* at http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm. Visit www.mcstoppp.org for more information on construction site management and Erosion and Sediment Control Plans.

If you require materials in alternative formats, please contact: 415-473-4381 voice/TTY or <u>disabilityaccess@co.marin.ca.us</u>

Eros	ion Control Best M	anagement Practices				
N/A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activities to reduce erosion potential, such as scheduling ground disturbing activities during the summer and phasing projects to minimize the amount of area disturbed. <i>For more info see the following factsheets: CASQA: EC-1; or Caltrans: SS-1.</i>				
1	Preserve Existing Vegetation and Creek Setbacks	Preserve existing vegetation to the extent possible, especially along creek buffers. Show creek buffers on maps and identify areas to be preserved in the field with temporary fencing. Check with the local Planning and Public Works Departments for specific creek set back requirements. <i>For more info see the following factsheets: CASQA: EC-2; or Caltrans: SS-2.</i>				
2	Soil Cover	Cover exposed soil with straw mulch and tackifier (or equivalent). For more info see the following factsheets: CASQA: EC-3, EC-5, EC-6, EC-7, EC-8, EC-14, EC-16; or Caltrans: SS-2, SS-4, SS-5, SS-6, SS-7, SS-8.				
3	Soil Preparation/ Roughening	Soil preparation is essential to vegetation establishment and BMP installation. It includes soil testing and amendments to promote vegetation growth as well as roughening surface soils by mechanical methods (decompacting, scarifying, stair stepping, etc.). <i>For more info see the following factsheets: CASQA: EC-15.</i>				
4	Erosion Control Blankets	Install erosion control blankets (or equivalent) on disturbed sites with 3:1 slopes or steeper. Use wildlife- friendly blankets made of biodegradable natural materials. Avoid using blankets made with plastic netting or fixed aperture netting. See: <u>http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</u> . <i>For more info see</i> <i>the following factsheets: CASQA: EC-7; or Caltrans: SS-7.</i>				
5	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical. For more info see the following factsheets: CASQA: EC-4; or Caltrans: SS-4.				
Sedir	ment Control Best	Management Practices				
σ	Tracking Controls	Stabilize site entrance to prevent tracking soil offsite. Inspect streets daily and sweep street as needed. Require vehicles and workers to use stabilized entrance. Place crushed rock 12-inches deep over a geotextile, using angular rock between 4 and 6-in. Make the entrance as long as can be accommodated on the site, ideally long enough for 2 revolutions of the maximum tire size (16-20 feet long for most light trucks). Make the entrance wide enough to accommodate the largest vehicle that will access the site, ideally 10 feet wide with sufficient radii for turning in and out of the site. Rumble pads or rumble racks can be used in lieu of or in conjunction with rock entrances. Wheel washes may be needed where space is limited or where the site entrance and sweeping is not effective. For more info see the following factsheets: CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.				
7	Fiber Rolls	Use fiber rolls as a perimeter control measure, along contours of slopes, and around soil stockpiles. On slopes space rolls 10 to 20 feet apart (using closer spacing on steeper slopes). Install parallel to contour. If more than one roll is used in a row overlap roll do not abut. J-hook end of roll upslope. Install rolls per either Type 1 (stake rolls into shallow trenches) or Type 2 (stake in front and behind roll and lash with rope). Use wildlife-friendly fiber rolls made of biodegradable natural materials. Avoid using fiber rolls made with plastic netting or fixed aperture netting. See: http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf . Manufactured linear sediment control or compost socks can be used in lieu of fiber rolls. <i>For more info see the following factsheets: CASQA: SE-5 (Type 1); SE-12, SE-13; or Caltrans: SC-5 (Type 1 and Type 2)</i> .				
8	Silt Fence	Use silt fence as a perimeter control measure, and around soil stockpiles. Install silt fence along contours. Key silt fence into the soil and stake. Do not use silt fence for concentrated water flows. Install fence at least 3 feet back from the slope to allow for sediment storage. Wire backed fence can be used for extra strength. Avoid installing silt fence on slopes because they are hard to maintain. Manufactured linear sediment control can be used in lieu of silt fences. For more info see the following factsheets: CASQA: SE-1; SE-12; or Caltrans: SC-1.				
9	Drain Inlet Protection	Use gravel bags, (or similar product) around drain inlets located both onsite and in gutter as a last line of defense. Bags should be made of a woven fabric resistant to photo-degradation filled with 0.5-1-in washed crushed rock. Do not use sand bags or silt fence fabric for drain inlet protection. <i>For more info see the following factsheets: CASQA: SE-10; or. Caltrans: SC-10.</i>				
N/A	Trench Dewatering	Follow MCSTOPPP BMPs for trench dewatering. <u>http://www.marincounty.org/depts/pw/divisions/mcstoppp/</u> <u>development/~/media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_0</u> 9. pdf. For more info see the following factsheets: CASO4: NS-2; or Catrage: NS-2				
Goor	l Housekeening Be	st Management Practices				
10	Concrete Washout	Construct a lined concrete washout site away from storm drains, waterbodies, or other drainages. Ideally, place adjacent to stabilized entrance. Clean as needed and remove at end of project. For more info see the following factsheets: CASQA: WM-8; or .Caltrans: WM-8.				
11	Stockpile Management	Cover all stockpiles and landscape material and berm properly with fiber rolls or sand bags. Keep behind the site perimeter control and away from waterbodies. For more info see the following factsheets: CASQA: WM-3 or Caltrans: WM-3.				
12	Hazardous Material Management	Hazardous materials must be kept in closed containers that are covered and within secondary containment; do not place containers directly on soil. <i>For more info see the following factsheets: CASQA: WM-6; or Caltrans: WM-6.</i>				
13	Sanitary Waste Management	Place portable toilets near stabilized site entrance, behind the curb and away from gutters, storm drain inlets, and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (most vendors provide these). For more info see the following factsheets: CASQA: WM-9; or Caltrans: WM-9.				
14	Equipment and Vehicle Maintenance	nt and Prevent equipment fluid leaks onto ground by placing drip pans or plastic tarps under equipment. Immediately clean up any spills or drips. For more info see the following factsheets: CASQA: NS-8, NS-9, and NS-10; or Caltrans: NS-8, NS-9, and NS-10.				
15	Litter and Waste Management	Designate waste collection areas on site. Use watertight dumpsters and trash cans; inspect for leaks. Cover at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up site				



TINUATI NO \odot 0 Ž \bigcirc \bigcirc DR CONTACT 10 C C C ANCY, \Box ЧО SП СA \leq FIELD. Z ONS Ē \Box Ā



427 LOS CERROS DRIVE LOT 1810 14 RM 9

S 02**'**06'28" E 226.68

S 06'29'26" E 201.3E

LEGEND:

- TREE AND TRUNK DIAMETER AS NOTED 1.
 - + 90.1 TYPICAL SPOT ELEVATION O DOWNSPOUT
- 4. tw TOP OF WALL

NOTES:

field survey.

È

2.

3.

10, Ρ Ċ

m

1. All distances and elevations shown are in feet and decimal feet.

2. Spot elevations and 1' contours shown on this map are based on an assumed vertical datum and the elevation of 100.00 assigned to the main entry door as shown (see Benchmark).

3. No underground utilities, or irrigation and water supply facilities are shown on this map. Utilities shown in street area are from recent paint markings. 4. This Topographic Map has been prepared for use at the mapping scale of 1"=10' (1:120) based on national mapping standards. We accept no liability for the accuracy of this map if it is enlarged beyond its designed scale.

5. Our "WORK PRODUCT" is the bond print stamped with the California Land Surveyor Seal L.S. 5290 and the original signature of David Harp. As a convenience to the design professional this map was created using AutoCAD and a copy of the AutoCAD drawing file has been delivered for their use.

6. This map was prepared for the exclusive use of David Hewlett and/or his legal representatives. Use or reliance on this map by any other party is forbidden without expressed written permission by David Harp, whose seal and signature are shown hereon. 7. Boundary lines shown are based on the Subdivision Map files in 14 RM 9, Marin County Records, and controlling survey monuments shown thereon and measured by this

10	0	10	20	30	

Scale: 1" = 10'

TOPOGRAPHIC SURVEY

LANDS OF HEWLETT	scale 1" = 10'			
427 LOS CERROS DRIVE	DATE	02/02/24		
KENTFIELD, CALIFORNIA	DRAWN BY D.H.			
DAVID HARP * LAND SURVEYOR	APPROVED BY	D.H.		
1128 CEDAR STREET SAN RAFAEL, CALIFORNIA (415) 717–8520 94702	DRAWING No.	H2295		



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

ſ	Y N/A	RESPON.		Y N/	A RESPON.	
		PARTY	GREEN BUILDING		PARTY	4.106.4.2 New multifamily dwellings, hotels and When parking is provided, parking spaces for new requirements of Sections 4.106.4.2.1 and 4.106.4.2
			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.			whole number. A parking space served by electric space shall count as at least one standard automol applicable minimum parking space requirements es for further details.
			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			4.106.4.2.1Multifamily development projects wit than 20 sleeping units or guest rooms. The number of dwelling units, sleeping units or gue this section.
			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			1.EV Capable. Ten (10) percent of the total of parking facilities, shall be electric vehicle of EVSE. Electrical load calculations shall demonstrated in the system, including any on-site distribution transport of the system.
			Note: Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section.			EVs at all required EV spaces at a minimum The service panel or subpanel circuit directo for future EV charging purposes as "EV CAP
			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			Exceptions:
			of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.			1. When EV chargers (Level 2 EVSE) are of EV capable spaces. 2. When EV chargers (Level 2 EVSE) are
			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.			EV chargers installed. Notes: a.Construction documents are intended to future EV charging.
			SECTION 302 MIXED OCCUPANCY BUILDINGS			b.There is no requirement for EV spaces EV chargers are installed for use.
			302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy. Exceptions:			2.EV Ready . Twenty-five (25) percent of the Level 2 EV charging receptacles. For multifa
			 [HCD] Accessory structures and accessory occupancies serving residential buildings shall comply with Chapter 4 and Appendix A4, as applicable. [HCD] For purposes of CALGreen, live/work units, complying with Section 419 of the California 			Exception: Areas of parking facilities served
			Building Code, shall not be considered mixed occupancies. Live/Work units shall comply with Chapter 4 and Appendix A4, as applicable. DIVISION 4.1 PLANNING AND DESIGN			4.106.4.2.2 Multifamily development projects wi sleeping units or guest rooms. The number of dwelling units, sleeping units or gue
			ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development			this section. 1.EV Capable . Ten (10) percent of the total i
			BSC California Building Standards Commission DSA-SS Division of the State Architect, Structural Safety OSHPD Office of Statewide Health Planning and Development LR Low Rise			of parking facilities, shall be electric vehicle of EVSE. Electrical load calculations shall demo system, including any on-site distribution tran EVs at all required EV spaces at a minimum
			HR High Rise AA Additions and Alterations N New			The service panel or subpanel circuit directo for future EV charging purposes as "EV CAP
			CHAPTER 4 RESIDENTIAL MANDATORY MEASURES			Exception: When EV chargers (Level 2 E parking spaces required by Section 4.106 reduced by a number equal to the numbe
			SECTION 4.102 DEFINITIONS			Notes: a.Construction documents shall show loc
			4.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference)			b.There is no requirement for EV spaces EV chargers are installed for use.
			 FRENCH DRAIN. A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar pervious material used to collect or channel drainage or runoff water. WATTLES. Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials 			2.EV Ready. Twenty-five (25) percent of the Level 2 EV charging receptacles. For multifa dwelling unit when more than one parking sp
			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.			Exception: Areas of parking facilities serv
		DESIGNER	 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. 			3.EV Chargers. Five (5) percent of the total Where common use parking is provided, at learner and shall be available for use by all resi
		CONTRACTOR	4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site.			an automatic load management system (ALM capacity to each space served by the ALMS, shall have sufficient capacity to deliver at lea served by the ALMS. The branch circuit shal have a capacity of not less than 30 amperes capacity to the required EV capable spaces.
			 Retention basins 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. 			4.106.4.2.2.1 Electric vehicle charging station Electric vehicle charging stations required by Se
			 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 			Exception: Electric vehicle charging stations so shall not be required to comply with this section requirements.
			(Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html)			4.106.4.2.2.1.1 Location. EVCS shall comply with at least one of the follow
		CONTRACTOR	4.106.3 GRADING AND PAVING. Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:			1.The charging space shall be located adja the California Building Code, Chapter 11A,
			 Swales Water collection and disposal systems French during 			2. The charging space shall be located on a Chapter 2, to the building.
			 French drains Water retention gardens Other water measures which keep surface water away from buildings and aid in groundwater recharge. 			Building Code, Chapter 11B, are not requir 4.106.4.2.2.1.2, Item 3.
			Exception : Additions and alterations not altering the drainage path.			4.106.4.2.2.1.2 Electric vehicle charging stati The charging spaces shall be designed to com
			4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Sections 4.106.4.1 or 4.106.4.2 to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the <i>California Electrical Code</i> , Article 625.			2.The minimum width of each EV space shall
			Exceptions: 1. On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions:			3.One in every 25 charging spaces, but not les aisle. A 5-foot (1524 mm) wide minimum aisle 12 feet (3658 mm).
			 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 infractructure design requirements, directly related to the implementation of Section. 			a.Surface slope for this EV space and the aisle percent slope) in any direction.
			 4.106.4, may adversely impact the construction cost of the project. 2. Accessory Dwelling Units (ADU) and Junior Accessory Dwelling Units (JADU) without additional parking facilities. 			4.106.4.2.2.1.3 Accessible EV spaces. In addition to the requirements in Sections 4.106 comply with the accessibility provisions for EV c spaces and EVCS in multifamily developments 1109A.
			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.			4.106.4.2.3 EV space requirements. 1.Single EV space required. Install a listed race circuit. The raceway shall not be less than trade originate at the main service or subpanel and sh proximity to the location or the proposed location raceway termination point, receptacle or charge have a 40-ampere minimum dedicated branch of
			Exemption: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the <i>California Electrical Code</i> .			Installed, or space(s) reserved to permit installat Exception: A raceway is not required if a minin installed in close proximity to the location or th
			4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".			construction in accordance with the California 2.Multiple EV spaces required. Construction doo location of installed or future EV spaces, recepta information on amperage of installed or future re electrical load calculations. Plan design shall be raceways and related components that are plan concealed areas and spaces shall be installed.

ple EV spaces required. Construction do n of installed or future EV spaces, recepta ation on amperage of installed or future re ical load calculations. Plan design shall be ays and related components that are planr led areas and spaces shall be installed a

	Y	N/A RESPO	Exception: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the location or the proposed location of the EV space at the time of original construction in accordance with the California Electrical Code	YN	I/A RI	ESPON.
motels and new residential parking facilities. multifamily dwellings, hotels and motels shall meet the 2.2. Calculations for spaces shall be rounded up to the poercet			4.106.4.2.4 Identification.			
vehicle supply equipment or designed as a future EV charging bile parking space only for the purpose of complying with any			fine service panel or subpanel circuit directory shall identity the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code.			
stablished by a local jurisdiction. See Vehicle Code Section 22511.2 h less than 20 dwelling units; and hotels and motels with less			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).			
st rooms shall be based on all buildings on a project site subject to		120	4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing multifamily buildings.			
number of parking spaces on a building site, provided for all types charging spaces (EV spaces) capable of supporting future Level 2 onstrate that the electrical panel service capacity and electrical nsformer(s), have sufficient capacity to simultaneously charge all of 40 empered			When new parking facilities are added, or electrical systems or lighting of existing parking facilities are added or altered and the work requires a building permit, ten (10) percent of the total number of parking spaces added or altered shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Notes:			DNTRACTC
ry shall identify the overcurrent protective device space(s) reserved			1.Construction documents are intended to demonstrate the project's capability and capacity for facilitating future EV charging.			
ABLE" in accordance with the California Electrical Code.			2. There is no requirement for EV spaces to be constructed or available until EV chargers are installed for use. DIVISION 4.2 ENERGY EFFICIENCY			INTRACTO
installed in a number equal to or greater than the required number			4.201 GENERAL 4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy			
aces required may be reduced by a number equal to the number of						
			4.303 INDOOR WATER USE			
demonstrate the project's capability and capacity for facilitating	Y		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.			
to be constructed or available until receptacles for EV charging or			Note: All noncompliant plumbing fixtures in any residential real property shall be replaced with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final			NTRACTO
total number of parking spaces shall be equipped with low power mily parking facilities, no more than one receptacle is required per ace is provided for use by a single dwelling unit.			 completion, certificate of occupancy, or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates. 4 202 1 1 Water Closete. The effective fluck volume of all water closets shall not exceed 1.28 gallens per 			
by parking lifts.			flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets.			
st rooms shall be based on all buildings on a project site subject to			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.			
number of parking spaces on a building site, provided for all types			4.303.1.2 Urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush.			
harging spaces (EV spaces) capable of supporting future Level 2 onstrate that the electrical panel service capacity and electrical isformer(s), have sufficient capacity to simultaneously charge all of 40 amperes.			 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 		<u>⊐</u> cor	NTRACTO
ry shall identify the overcurrent protective device space(s) reserved ABLE" in accordance with the California Electrical Code.			gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.			
/SE) are installed in a number greater than five (5) percent of .4.2.2, Item 3, the number of EV capable spaces required may be r of EV chargers installed over the five (5) percent required.			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.		□ cor	NTRACTO
ations of future EV spaces.			Note: A hand-held shower shall be considered a showerhead.			
to be constructed or available until receptacles for EV charging or			4.303.1.4.1 Residential Lavatory Faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 callons per minute at 60 pci. The minimum flow rate of residential lavatory faucets shall			
total number of parking spaces shall be equipped with low power mily parking facilities, no more than one receptacle is required per ace is provided for use by a single dwelling unit.			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		100	NTRACTO
ed by parking lifts.			buildings shall not exceed 0.5 gallons per minute at 60 psi.			
number of parking spaces shall be equipped with Level 2 EVSE. east one EV charger shall be located in the common use parking dents or guests.			more than 0.2 gallons per cycle.			
acles or Level 2 EVSE are installed beyond the minimum required, <i>I</i> S) may be used to reduce the maximum required electrical The electrical system and any on-site distribution transformers action of the sector			4.303.1.4.4 Kitchen Faucets. The maximum now 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.			NTRACTO
I have a minimum capacity of 40 amperes, and installed EVSE shall ALMS shall not be used to reduce the minimum required electrical			Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.			
ns (EVCS).			When installed, shall meet the requirements in the <i>California Code of Regulations</i> , Title 20 (Appliance Efficiency Regulations), Sections 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607			
erving public accommodations, public housing, motels and hotels			(d)(7) and shall be equipped with an integral automatic shutoff. FOR REFERENCE ONLY: The following table and code section have been reprinted from the <i>California</i>			
n. See California Building Code, Chapter 11B, for applicable			<i>Code of Regulations</i> , Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).			
ving options:			TABLE H-2			
cent to an accessible parking space meeting the requirements of to allow use of the EV charger from the accessible parking space.			STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES			
n accessible route, as defined in the California Building Code,			MANUFACTURED ON OR AFTER JANUARY 28, 2019			
s designed and constructed in compliance with the California ed to comply with Section 4.106.4.2.2.1.1 and Section			[spray force in ounce force (ozf)] MAXIMUM FLOW RATE (gpm)			
ons (EVCS) dimensions.			Product Class 1 (≤ 5.0 ozf)1.00			
pply with the following:			Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf)1.20Product Class 3 (> 8.0 ozf)1 28			
be 9 feet (2743 mm).			Title 20 Section 1605.3 (h)(4)(A): Commercial prerinse spray values manufactured on or after January 1, 2006, shall have a minimum spray force of not less than 4.0 ounces-force (orf)[113 grams-force(of)]	甲	XI	
ss than one, shall also have an 8-foot (2438 mm) wide minimum shall be permitted provided the minimum width of the EV space is			4.303.2 Submeters for multifamily buildings and dwelling units in mixed-used residential/commercial buildings.			
e shall not exceed 1 unit vertical in 48 units horizontal (2.083			Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the <i>California Plumbing Code</i> .			
	Y		4.303.3 Standards for plumbing fixtures and fittings . Plumbing fixtures and fittings shall be installed in accordance with the <i>California Plumbing Code</i> , and shall meet the applicable standards referenced in Table 1701.1 of the <i>California Plumbing Code</i> .			
5.4.2.2.1.1 and 4.106.4.2.2.1.2, all EVSE, when installed, shall hargers in the California Building Code, Chapter 11B. EV ready shall comply with California Building Code, Chapter 11A, Section			NOTE: THIS TABLE COMPILES THE DATA IN SECTION 4.303.1, AND IS INCLUDED AS A CONVENIENCE FOR			
Nov capable of accommedation = 000/010 with the line to the			THE USER. TABLE - MAXIMUM FIXTURE WATER USE			
way capable of accommodating a 208/240-volt dedicated branch size 1 (nominal 1-inch inside diameter). The raceway shall nall terminate into a listed cabinet, box or enclosure in close			FIXTURE TYPE FLOW RATE			
n of the EV space. Construction documents shall identify the r location, as applicable. The service panel and/ or subpanel shall including branch circuit overcurrent protective dovice.			SHOWER HEADS (RESIDENTIAL) 1.8 GMP @ 80 PSI			
tion of a branch circuit overcurrent protective device.			LAVATORY FAUCETS (RESIDENTIAL) MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI			
num 40-ampere 208/240-volt dedicated EV branch circuit is e proposed location of the EV space, at the time of original Electrical Code			LAVATORY FAUCETS IN COMMON & PUBLIC USE 0.5 GPM @ 60 PSI AREAS			
cuments shall indicate the raceway termination point and the			KITCHEN FAUCETS 1.8 GPM @ 60 PSI			
acles or EV chargers. Construction documents shall also provide ceptacles or EVSE, raceway method(s), wiring schematics and			METERING FAUCETS 0.2 GAL/CYCLE WATER CLOSET 1.28 GAL/FLUSH			
pased upon a 40-ampere minimum branch circuit. Required						

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

.304 OUTDOOR WATER USE

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

NOTES:

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

DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

406 ENHANCED DURABILITY AND REDUCED MAINTENANCE

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.

408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING **108.1 CONSTRUCTION WASTE MANAGEMENT.** Recycle and/or salvage for reuse a minimum of 65 percent of the non-hazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent local construction and demolition waste management ordinance.

Exceptions:

- . 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 iobsite. 3. The enforcing agency may make exceptions to the requirements of this section when isolated psites are located in areas beyond the haul boundaries of the diversion facility.

108.2 CONSTRUCTION WASTE MANAGEMENT PLAN. Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as

- necessary and shall be available during construction for examination by the enforcing agency. 1. Identify the construction and demolition waste materials to be diverted from disposal by recycling,
- reuse on the project or salvage for future use or sale. Specify if construction and demolition waste materials will be sorted on-site (source separated) or
- bulk mixed (single stream). 3. Identify diversion facilities where the construction and demolition waste material collected will be
- 4. Identify construction methods employed to reduce the amount of construction and demolition waste
- generated 5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
- **108.3 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.
- **108.4 WASTE STREAM REDUCTION ALTERNATIVE [LR]**. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 3.4 lbs./sq.ft. of the building area shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1
- 4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 2 pounds per square foot of the building area, shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1

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

Notes

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

410 BUILDING MAINTENANCE AND OPERATION

I10.1 OPERATION AND MAINTENANCE MANUAL. At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building:

- 1. Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure. 2. Operation and maintenance instructions for the following:
- a. Equipment and appliances, including water-saving devices and systems, HVAC systems, photovoltaic systems, electric vehicle chargers, water-heating systems and other major appliances and equipment.
- b. Roof and yard drainage, including gutters and downspouts c. Space conditioning systems, including condensers and air filters.
- Landscape irrigation systems.
- e. Water reuse systems. 3. Information from local utility, water and waste recovery providers on methods to further reduce resource consumption, including recycle programs and locations.
- Public transportation and/or carpool options available in the area.
- 5. Educational material on the positive impacts of an interior relative humidity between 30-60 percent and what methods an occupant may use to maintain the relative humidity level in that range.
- 6. Information about water-conserving landscape and irrigation design and controllers which conserve 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5
- feet away from the foundation. 8. Information on required routine maintenance measures, including, but not limited to, caulking,
- painting, grading around the building, etc.
- Information about state solar energy and incentive programs available.
- 10. A copy of all special inspections verifications required by the enforcing agency or this code. 11. Information from the Department of Forestry and Fire Protection on maintenance of defensible
- space around residential structures.
- 12. Information and/or drawings identifying the location of grab bar reinforcements.

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

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

DIVISION 4.5 ENVIRONMENTAL QUALITY

ECTION 4.501 GENERAL

.501.1 Scope he provisions of this chapter shall outline means of reducing the quality of air contaminants that are odorous, itating and/or harmful to the comfort and well being of a building's installers, occupants and neighbors.

ECTION 4.502 DEFINITIONS 102.1 DEFINITIONS

he following terms are defined in Chapter 2 (and are included here for reference)

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

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

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

Revision History					
08/05/22 PROGRESS SET					
08/30/22 2ND PROGRESS SET					
09/15/22 3RD PROGRESS SET					
09/22/22 4TH PROGRESS SET					
10/04/22 FLOOR PLAN PROGRESS & SET WINDOWS					
12/27/22 DECEMBER PROGRESS SET					
5/23/23 MAY PROGRESS SET					
6/19/23 - PLANNING SUBMISSION 7/21/23 PREP					
02/20/24 - PLANNING SUBMISSION 3/5/24 SET					
SISTER SET					
OFFICE & MASTER BATHROOM ADDITION 427 LOS CERROS DR 427 LOS CERROS DR GREENBRAE, CA 94904-1124 APN: 070-071-14 APN: 070-071-14 OWNER: DAVID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR 427 LOS CERROS DR 427 LOS CERROS DR GREENBRAE, CA 94904-1124					
Drawing By:					
Chris Klimen klimen@att.net					
PH: 510.928.1359					
Date: JULY 05, 2022 Project / Job #:					
Peter Christopher Klimen Digitally signed by peter christopher klimen EMAIL=KLIMEN@ATT.NET DATE: 03/05/24					
CAL GREEN REQUIREMENTS PAGE 1					

OTIO



2022 CALIFORNIA GREEN BUILDING STANDARDS CODE RESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Y N/A RESPON. PARTY

		MAXIMUM INCREMENTAL REACTI compound to the "Base Reactive Orga of a gram (g O ³ /g ROC).	VITY (MIR). The maximum channic Gas (ROG) Mixture" per we	inge in weight of ozone formed by ight of compound added, express	y adding a ed to hundredths
		94701.	ounds and hydrocarbon solvent	s are specified in CCR, Title 17, Se	ections 94/00 and
		MOISTURE CONTENT. The weight of	of the water in wood expressed	in percentage of the weight of th	e oven-dry wood.
		PRODUCT-WEIGHTED MIR (PWMII article. The PWMIR is the total product product (excluding container and pack Note: PWMIR is calculated according	R). The sum of all weighted-MI t reactivity expressed to hundr (aging). to equations found in CCR, Title	R for all ingredients in a product s edths of a gram of ozone formed e 17, Section 94521 (a).	ubject to this per gram of
		REACTIVE ORGANIC COMPOUND ozone formation in the troposphere.	(ROC). Any compound that ha	s the potential, once emitted, to o	contribute to
		VOC. A volatile organic compound (V vapor pressures greater than 0.1 milli hydrogen and may contain oxygen, ni	OC) broadly defined as a chem meters of mercury at room ten trogen and other elements. Se	ical compound based on carbon c operature. These compounds typic e CCR Title 17, Section 94508(a).	hains or rings with cally contain
	XI I	4.503 FIREPLACES 4.503.1 GENERAL. Any installed ga	s fireplace shall be a direct-ve	nt sealed-combustion type. Any ir	nstalled
		woodstove or pellet stove shall comp applicable, and shall have a permane pellet stoves and fireplaces shall also	ly with U.S. EPA New Source ent label indicating they are cent comply with applicable local of	Performance Standards (NSPS) e tified to meet the emission limits. rdinances.	emission limits as Woodstoves,
		4.504 POLLUTANT CONT 4.504.1 COVERING OF DUCT OPER CONSTRUCTION. At the time of rou startup of the heating, cooling and ve openings shall be covered with tape, reduce the amount of water, dust or co	ROL NINGS & PROTECTION OF M Igh installation, during storage ntilating equipment, all duct ar plastic, sheet metal or other m lebris which may enter the sys	ECHANICAL EQUIPMENT DUR on the construction site and until d other related air distribution cor ethods acceptable to the enforcin tem.	ING final mponent ng agency to
		4.504.2 FINISH MATERIAL POLLUT	ANT CONTROL. Finish mate	rials shall comply with this section	n.
		4.504.2.1 Adhesives, Sealant requirements of the following s management district rules app	s and Caulks. Adhesives, se tandards unless more stringen y:	alant and caulks used on the proj t local or regional air pollution or a	ect shall meet the air quality
		 Adhesives, adhesives shall comply with loc applicable or SCAQ Such products also compounds (chlorofe tricloroethylene), exe 	bonding primers, adhesive pr cal or regional air pollution con MD Rule 1168 VOC limits, as shall comply with the Rule 116 orm, ethylene dichloride, methy cept for aerosol products, as s	mers, sealants, sealant primers a rol or air quality management dis shown in Table 4.504.1 or 4.504.2 8 prohibition on the use of certain /lene chloride, perchloroethylene becified in Subsection 2 below.	and caulks trict rules where 2, as applicable. toxic and
		2. Aerosol adhesives, a units of product, less than 16 fluid ounces prohibitions on use o commencing with se	and smaller unit sizes of adhes s packaging, which do not weig) shall comply with statewide \ of certain toxic compounds, of action 94507.	ives, and sealant or caulking com h more than 1 pound and do not /OC standards and other requirer <i>California Code of Regulations</i> , T	npounds (in consist of more nents, including itle 17,
╞		4.504.2.2 Paints and Coating	s. Architectural paints and co	atings shall comply with VOC limit	ts in Table 1 of
		the ARB Architectural Suggest apply. The VOC content limit f listed in Table 4.504.3 shall be coating, based on its gloss, as Board, Suggested Control Mea	ed Control Measure, as showr or coatings that do not meet th determined by classifying the defined in subsections 4.21, 4 asure, and the corresponding F	in Table 4.504.3, unless more st le definitions for the specialty coa coating as a Flat, Nonflat or Nonf .36, and 4.37 of the 2007 Califorr lat, Nonflat or Nonflat-High Gloss	ringent local limits tings categories lat-High Gloss nia Air Resources s VOC limit in
		Table 4.504.3 shall apply.	, , , , , , , , , , , , , , , , , , , ,	,	
		 4.504.2.3 Aerosol Paints and Limits for ROC in Section 9452 compounds and ozone depletiin Regulations. Title 17, commen 	Coatings. Aerosol paints and 2(a)(2) and other requirement ng substances, in Sections 945 cing with Section 94520: and i	I coatings shall meet the Product s, including prohibitions on use of 522(e)(1) and (f)(1) of <i>California C</i> n areas under the iurisdiction of th	-weighted MIR certain toxic Code of ne Bay Area Air
		Quality Management District a		,	nite of Poquilation
		8, Rule 49.	dditionally comply with the per-	cent VOC by weight of product lin	IIIS OF Regulation
		 8, Rule 49. 4.504.2.4 Verification. Verific 	dditionally comply with the per- ation of compliance with this s	cent VOC by weight of product lin	quest of the
	CONTRACTO	 8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's prod 	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim	cent VOC by weight of product lin ection shall be provided at the rec ited to, the following:	quest of the
		 8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produce 2. Field verification of contents 	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers.	cent VOC by weight of product lin ection shall be provided at the rec ited to, the following:	quest of the
	CONTRACTO	 8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produce 2. Field verification of contents 	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers.	cent VOC by weight of product lin ection shall be provided at the rec ited to, the following:	quest of the
	CONTRACTO	 8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produce 2. Field verification of control 	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers.	cent VOC by weight of product lin ection shall be provided at the rec ited to, the following:	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c TABLE 4.504.1 (Less Water and Less	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMI s Exempt Compounds in Gram	cent VOC by weight of product lin ection shall be provided at the rec ited to, the following: f _{1,2} s per Liter)	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c TABLE 4.504.1 (Less Water and Less ARCHITECTURAL	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMI s Exempt Compounds in Gram APPLICATIONS	cent VOC by weight of product lin ection shall be provided at the rec ited to, the following: F _{1,2} s per Liter) VOC LIMIT 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c TABLE 4.504.1 (Less Water and Less ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMI s Exempt Compounds in Gram APPLICATIONS HESIVES IVES	cent VOC by weight of product lin ection shall be provided at the red ited to, the following: F _{1,2} s per Liter) VOC LIMIT 50 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's production 2. Field verification of comparison of compariso	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMI ^T s Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES	cent VOC by weight of product line ection shall be provided at the rec ited to, the following: T _{1,2} s per Liter) VOC LIMIT 50 50 150	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's production of comparison of compariso	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMI ^T is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES	cent VOC by weight of product lin ection shall be provided at the redited to, the following: Ited to, the following: VOC LIMIT 50 50 150 100	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produce 2. Field verification of comparison o	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMI ^T is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES IESIVES	cent VOC by weight of product line ection shall be provided at the redited to, the following: Ited to, the following: F1,2 s per Liter) VOC LIMIT 50 50 100 60 50 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's production of comparison of compariso	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMI ^T is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES IESIVES ISIVES	cent VOC by weight of product line ection shall be provided at the receited to, the following: T _{1,2} s per Liter) VOC LIMIT 50 50 50 60 60 60 60 65	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c TABLE 4.504.1 (Less Water and Less ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD SUBFLOOR ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TIL	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMI ^T is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES ESIVES ESIVES ESIVES E ADHESIVES	cent VOC by weight of product line ection shall be provided at the receited to, the following: T _{1,2} s per Liter) VOC LIMIT 50 50 50 60 60 60 60 65 50 65 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c TABLE 4.504.1 (Less Water and Less ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD SUBFLOOR ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TIL DRYWALL & PANEL A	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT s Exempt Compounds in Gram APPLICATIONS HESIVES HESIVES IVES ADHESIVES HESIVES ESIVES ESIVES E ADHESIVES ADHESIVES ADHESIVES	cent VOC by weight of product line ection shall be provided at the receited to, the following: T _{1,2} s per Liter) VOC LIMIT 50 50 50 60 60 60 50 65 50 65 50 50 50 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c TABLE 4.504.1 (Less Water and Less ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD CARPET FLOOR ADHES VOOD FLOORING A RUBBER FLOOR ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TIL DRYWALL & PANEL A COVE BASE ADHESIV	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT s Exempt Compounds in Gram APPLICATIONS HESIVES HESIVES IVES ADHESIVES HESIVES ESIVES ESIVES ESIVES E ADHESIVES ADHESIVES (ES ADHESIVES (ES	cent VOC by weight of product line ection shall be provided at the receited to, the following: T _{1,2} s per Liter) VOC LIMIT 50 50 50 60 50 65 50 50 50 50 50 50 50 50 50 50 50 50 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c TABLE 4.504.1 (Less Water and Less ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD SUBFLOOR ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TIL DRYWALL & PANEL A COVE BASE ADHESIV MULTIPURPOSE CON	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT s Exempt Compounds in Gram APPLICATIONS HESIVES HESIVES IVES ADHESIVES DHESIVES ES ES ES ES ES ES ES ES ES ES ES ES E	VOC by weight of product line ection shall be provided at the redited to, the following: Image: Transmission of the following: VOC LIMIT 50 50 50 100 60 50 65 50 50 70 100	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c TABLE 4.504.1 (Less Water and Less ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD SUBFLOOR ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TILL DRYWALL & PANEL A COVE BASE ADHESIV MULTIPURPOSE CON STRUCTURAL GLAZI SINGLE-PLY ROOF M	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT s Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES DHESIVES ESS ESIVES ESS ESIVES E ADHESIVES ADHESIVES E ADHESIVES ADHESIVES (ES (ES (ES) (ES) (ES) (ES) (ES) (ES)	VOC by weight of product line ection shall be provided at the redited to, the following: Intervention Intervention VOC LIMIT 50 50 100 60 50 65 50 50 100 60 50 100 60 50 50 50 50 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 70 100 250	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c Image: Comparison of the com	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT s Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES IESIVES ES ESIVES E ADHESIVES E ADHESIVES ADHESIVES (ES E ADHESIVES (ES E ADHES	VOC by weight of product line ection shall be provided at the redited to, the following: Image: Transmission of the following: VOC LIMIT 50 50 50 100 60 50 65 50 50 100 60 50 50 50 65 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c Image: Comparison of the com	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES DHESIVES ESS ESS ESS ESS ESS ESS EADHESIVES ADHESIVES (ESS EADHESIVES (ESS ESS ESS ESS ESS ESS ESS ESS ESS	cent VOC by weight of product line ection shall be provided at the redited to, the following: F1,2 s per Liter) VOC LIMIT 50 50 100 60 50 60 50 60 50 100 60 50 50 50 60 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c Image: Comparison of the second of	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES IVES ADHESIVES DHESIVES IESIVES E ADHESIVES E ADHESIVES E ADHESIVES ADHESIVES (ES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVES NOT LISTED CATIONS	cent VOC by weight of product line ection shall be provided at the redited to, the following: F1,2 s per Liter) VOC LIMIT 50 50 100 60 50 60 50 60 50 60 50 50 50 50 60 50	quest of the
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD SUBFLOOR ADHES VOOD FLOORING A RUBBER FLOOR ADH SUBFLOOR ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TILL DRYWALL & PANEL A COVE BASE ADHESIV MULTIPURPOSE CON STRUCTURAL GLAZI SINGLE-PLY ROOF M OTHER ADHESIVES SPECIALTY APPLI PVC WELDING ABS WELDING	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES IVES IVES IESIVES IESIVES E ADHESIVES E ADHESIVES ADHESIVES /ES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVES NOT LISTED CATIONS	cent VOC by weight of product line ection shall be provided at the redited to, the following: F1,2 s per Liter) VOC LIMIT 50 50 100 60 50 60 50 60 50 60 510 490 325	
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD COVE BASE ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TILL DRYWALL & PANEL A COVE BASE ADHESIV MULTIPURPOSE CON STRUCTURAL GLAZI SINGLE-PLY ROOF M OTHER ADHESIVES SPECIALTY APPLI PVC WELDING CPVC WELDING ABS WELDING PLASTIC CEMENT W	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES IVES ADHESIVES DHESIVES IESIVES E ADHESIVES E ADHESIVES ADHESIVES (ES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVES NOT LISTED CATIONS ELDING	cent VOC by weight of product line ection shall be provided at the redited to, the following: Intervention	
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD COVE BASE ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TILL DRYWALL & PANEL A COVE BASE ADHESIV MULTIPURPOSE CON STRUCTURAL GLAZI SINGLE-PLY ROOF M OTHER ADHESIVES SPECIALTY APPLI PVC WELDING CPVC WELDING ABS WELDING PLASTIC CEMENT W ADHESIVE PRIMER F	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES IVES IESIVES IESIVES IESIVES E ADHESIVES IESIVES E ADHESIVES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVES	cent VOC by weight of product line ection shall be provided at the redited to, the following: Image: Image of the following:	
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verific enforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of c Rule 49. 1. Manufacturer's produ 2. Field verification of c Rule 49. Image: Active and Less ARCHITECTURAL INDOOR CARPET AD CARPET PAD ADHES OUTDOOR CARPET AD VCT & ASPHALT TILL DRYWALL & PANEL A COVE BASE ADHESIN MULTIPURPOSE CON STRUCTURAL GLAZI SINGLE-PLY ROOF M OTHER ADHESIVES I SPECIALTY APPLIA PVC WELDING ABS WELDING PLASTIC CEMENT W ADHESIVE PRIME	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim out specification. on-site product containers. - ADHESIVE VOC LIMIT s Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES IESIVES ESIVES E ADHESIVES E ADHESIVES ADHESIVES IESIVES E ADHESIVES IESIVES E ADHESIVES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVES NOT LISTED CATIONS ELDING FOR PLASTIC	cent VOC by weight of product line ection shall be provided at the redited to, the following: Image: Image	
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verificenforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of control 2. Architectural 2. Architectural 2. NDOOR CARPET AD CARPET PAD ADHES 0UTDOOR CARPET AD VOOD FLOORING A RUBBER FLOOR ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TILL DRYWALL & PANEL A COVE BASE ADHESIV MULTIPURPOSE CON STRUCTURAL GLAZI SINGLE-PLY ROOF M OTHER ADHESIVES SPECIALTY APPLI <t< td=""><td>dditionally comply with the per- ation of compliance with this s tion may include, but is not lim out specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES DHESIVES IESIVES E ADHESIVES E ADHESIVES E ADHESIVES ADHESIVES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVES NOT LISTED CATIONS ELDING ONTACT ADHESIVE</td><td>cent VOC by weight of product line ection shall be provided at the redited to, the following: Image: Image</td><td></td></t<>	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim out specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES DHESIVES IESIVES E ADHESIVES E ADHESIVES E ADHESIVES ADHESIVES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVES NOT LISTED CATIONS ELDING ONTACT ADHESIVE	cent VOC by weight of product line ection shall be provided at the redited to, the following: Image: Image	
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verificenforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of control 2. Architecture 3. Architectu	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim out specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES IESIVES ESIVES E ADHESIVES E ADHESIVES ADHESIVES IESIVES E ADHESIVES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVE IEMBRANE ADHESIVES IEMBRANE ADHESIVES IEMBRANE ADHESIVE IEDING ONTACT ADHESIVE IEMBER ADHESIVE IEVE	cent VOC by weight of product line ection shall be provided at the redited to, the following: F 1,2 S per Liter) VOC LIMIT 50 50 100 60 50 60 50 70 100 250 510 490 325 250 80 250 140 250	
	CONTRACTO	8, Rule 49. 4.504.2.4 Verification. Verifice enforcing agency. Documental 1. Manufacturer's produ 2. Field verification of control 2. Architectural 2. Control 2. OutDoor CARPET AD 3. OutDoor CARPET AD	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim out specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES IVES ADHESIVES IESIVES E ADHESIVES E ADHESIVES E ADHESIVES IESIVES E ADHESIVES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVE IEMBRANE ADHESIVE IEMBRANE ADHESIVES IEMBRANE ADHESIVE IEMBRANE ADHESIVE	cent VOC by weight of product line ection shall be provided at the redited to, the following: F 1,2 vOC LIMIT 50 50 100 60 50 60 50 60 50 60 50 65 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 70 100 250 510 80 250 80 250 140 250	
	CONTRACTO	 8, Rule 49. 4.504.2.4 Verification. Verificenforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of control of the second second	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim out specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES IVES ADHESIVES IES ISINES E ADHESIVES E ADHESIVES IES ISINES E ADHESIVES IES ISTRUCTION ADHESIVE IEMBRANE ADHESIVE IEMBRANE ADHESIVES IEMBRANE ADHESIVE IEMBRANE ADHESIVE IEMBRANE ADHESIVE	cent VOC by weight of product line ection shall be provided at the receited to, the following: 1,2 s per Liter) VOC LIMIT 50 50 100 60 50 60 50 60 50 60 50 50 50 60 510 490 325 250 80 250 30	
	CONTRACTO	 8, Rule 49. 4.504.2.4 Verification. Verificenforcing agency. Documenta 1. Manufacturer's produ 2. Field verification of control of the second second	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim out specification. on-site product containers. - ADHESIVE VOC LIMIT is Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES IVES IVES INTES	cent VOC by weight of product line ection shall be provided at the receited to, the following: International statements International statement	
	CONTRACTO	 8, Rule 49. 4.504.2.4 Verification. Verificenforcing agency. Documenta 1. Manufacturer's prodi 2. Field verification of control of the second second	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim act specification. on-site product containers. - ADHESIVE VOC LIMIT s Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES DHESIVES IESIVES ESIVES EADHESIVES EADHESIVES IESIVES EADHESIVES ISTRUCTION ADHESIVE NG ADHESIVES IEMBRANE ADHESIVES NOT LISTED CATIONS ELDING FOR PLASTIC EDING FOR PLASTIC IESIVES IESIVES IESIVES IESIVES IESIVES IESIVES IEMBRANE ADHESIVES IEMBRANE ADHESIVES IEMBRANE ADHESIVES IESIVES IEMBRANE ADHESIVES IEMBRANE ADHESIVES IESIVES IESIVES IESIVES IESIVES IESITED CATIONS IESIVES IESI	cent VOC by weight of product line ection shall be provided at the recited to, the following: F1,2 5 per Liter) VOC LIMIT 50 50 150 100 60 50 50 100 60 510 490 325 250 80 250 80 250 30 30 50 50 50 50 50	
		 8, Rule 49. 4.504.2.4 Verification. Verifice enforcing agency. Documenta 1. Manufacturer's prodi 2. Field verification of c 2. Field verification of c 3. ARCHITECTURAL 4. INDOOR CARPET AD 4. CARPET PAD ADHES 0. OUTDOOR CARPET AD CARPET PAD ADHES 0. OUTDOOR CARPET AD CARPET PAD ADHES 0. OUTDOOR CARPET AD SUBFLOOR ADHESIV CERAMIC TILE ADHE VCT & ASPHALT TILL DRYWALL & PANEL A COVE BASE ADHESIV MULTIPURPOSE CON STRUCTURAL GLAZI SINGLE-PLY ROOF M OTHER ADHESIVES I SPECIALTY APPLIN PVC WELDING CPVC WELDING ABS WELDING PLASTIC CEMENT W ADHESIVE PRIMER FI CONTACT ADHESIVE SPECIAL PURPOSE CON STRUCTURAL WOOD TOP & TRIM ADHESI SUBSTRATE SPECI METAL TO METAL PUROUS MATERIAL WOOD FIBERGLASS 	dditionally comply with the per- ation of compliance with this s tion may include, but is not lim uct specification. on-site product containers. - ADHESIVE VOC LIMIT s Exempt Compounds in Gram APPLICATIONS HESIVES IVES ADHESIVES IVES ADHESIVES IESIVES EADHESIVES EADHESIVES EADHESIVES ISTRUCTION ADHESIVE ISTRUCTION ADHESIVE ING ADHESIVES IEMBRANE ADHESIVES IEMBRANE ADHESIVES IEMBRANE ADHESIVES IEMBRANE ADHESIVES ICATIONS ELDING CATIONS IEMBER ADHESIVE IMEMBER ADHESIVE INFIC APPLICATIONS	cent VOC by weight of product line ection shall be provided at the recited to, the following: F1,2 s per Liter) VOC LIMIT 50 50 100 60 50 60 50 60 50 60 50 50 60 50 60 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 510 490 325 250 80 250 80 250 30 50 50 50 50 50 50 50 50 </td <td></td>	

MANAGEMENT DISTRICT RULE 1168.

TABLE 4.504.2 - SEALANT VOC LIMIT									
(Less Water and Less Exempt Compounds in Grams	(Less Water and Less Exempt Compounds in Grams per Liter)								
SEALANTS	VOC LIMIT								
ARCHITECTURAL	250								
MARINE DECK	760								
NONMEMBRANE ROOF	300								
ROADWAY	250								
SINGLE-PLY ROOF MEMBRANE	450								
OTHER	420								
SEALANT PRIMERS									
ARCHITECTURAL									
NON-POROUS	250								
POROUS	775								
MODIFIED BITUMINOUS	500								
MARINE DECK	760								
OTHER	750								

Y N/A RESPON. PARTY

THE AIR RESOURCES BOARD.

COMPOUNDS

TABLE 4.504.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS _{2,3}							
GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT							
	VOC LIMIT						
FLAT COATINGS	50						
NON-FLAT COATINGS	100						
NONELAT-HIGH GLOSS COATINGS	150						
SPECIALTY COATINGS							
ALUMINUM ROOF COATINGS	400						
BASEMENT SPECIALTY COATINGS	400						
BITUMINOUS ROOF COATINGS	50						
BITUMINOUS ROOF PRIMERS	350						
BOND BREAKERS	350						
CONCRETE CURING COMPOUNDS	350						
CONCRETE/MASONRY SEALERS	100						
DRIVEWAY SEALERS	50						
DRY FOG COATINGS	150						
FAUX FINISHING COATINGS	350						
FIRE RESISTIVE COATINGS	350						
FLOOR COATINGS	100						
	250						
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500						
HIGH TEMPERATURE COATINGS	420						
	250						
	120						
MAGNESITE CEMENT COATINGS	450						
	100						
	500						
	250						
PRETREATMENT WASH PRIMERS	420						
PRIMERS, SEALERS, & UNDERCOATERS	100						
REACTIVE PENETRATING SEALERS	350						
RECYCLED COATINGS	250						
ROOF COATINGS	50						
	250						
SHELLACS	250						
CLEAR	730						
OPAQUE	550						
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100						
STAINS	250						
STONE CONSOLIDANTS	450						
SWIMMING POOL COATINGS	340						
TRAFFIC MARKING COATINGS	100						
TUB & TILE REFINISH COATINGS	420						
WATERPROOFING MEMBRANES	250						
WOOD COATINGS	275						
WOOD PRESERVATIVES	350						
ZINC-RICH PRIMERS	340						
1. GRAMS OF VOC PER LITER OF COATING, INCL	UDING WATER & EXEMPT						

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM

Y	N/A	RESPON. PARTY			,	Y	N/A	RESPON. PARTY	
			TABLE 4 504 5 - FORMALDE						CI
									IN
									7(
			HARDWOOD PLYWOOD VENEER COR	E 0.05			X		70
			HARDWOOD PLYWOOD COMPOSITE	CORE 0.05					Cel
			PARTICLE BOARD	0.09					Ex
			MEDIUM DENSITY FIBERBOARD	0.11					
			THIN MEDIUM DENSITY FIBERBOAR	D2 0.13					
			1. VALUES IN THIS TABLE ARE DERI CALIF. AIR RESOURCES BOARD, AIR COMPOSITE WOOD AS TESTED IN A ADDITIONAL INFORMATION, SEE CA 17, SECTIONS 93120 THROUGH 9312	VED FROM THOSE SPECIFIED BY THE TOXICS CONTROL MEASURE FOR CCORDANCE WITH ASTM E 1333. FOR LIF. CODE OF REGULATIONS, TITLE 20.12.	<u>c</u>	¥]		OWNER	70 res
			2. THIN MEDIUM DENSITY FIBERBO 5/16" (8 MM).	ARD HAS A MAXIMUM THICKNESS OF					to otl co
Y		CONTRACTOR	DIVISION 4.5 ENVIRONMENT 4.504.3 CARPET SYSTEMS. All carpet installed in the Department of Public Health, "Standard Method for the T from Indoor Sources Using Environmental Chambers," Ve Specification 01350) See California Department of Public Health's website for the https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EH	AL QUALITY (continue building interior shall meet the requireme esting and Evaluation of Volatile Organic ersion 1.2, January 2017 (Emission testing certification programs and testing labs. LB/IAO/Pages/VOC.aspx.	ed) ents of the California Chemical Emissions g method for California				
Y		CONTRACTOR	4.504.3.1 Carpet cushion. All carpet cushion inst	alled in the building interior shall meet th	e requirements of the				ſB
			California Department of Public Health, "Standard Chemical Emissions from Indoor Sources Using En (Emission testing method for California Specification See California Department of Public Health's website	Method for the Testing and Evaluation of vironmental Chambers," Version 1.2, Janu on 01350) ite for certification programs and testing I	Volatile Organic Jary 2017 abs.				er th pa re
			https://www.cdph.ca.gov/Programs/CCDPHP/DEO	DC/EHLB/IAQ/Pages/VOC.aspx.					•••
Y		CONTRACTOR	4.504.3.2 Carpet adhesive. All carpet adhesive sl	hall meet the requirements of Table 4.504	4.1.				
Y		CONTRACTOR	4.504.4 RESILIENT FLOORING SYSTEMS. Where re resilient flooring shall meet the requirements of the Califor Testing and Evaluation of Volatile Organic Chemical Emis Version 1.2, January 2017 (Emission testing method for the caliform of t	silient flooring is installed , at least 80% o prnia Department of Public Health, "Stand sions from Indoor Sources Using Environ California Specification 01350)	of floor area receiving lard Method for the mental Chambers,"	¥1		CONTRACTOR	7 7 lin
			See California Department of Public Health's website for	certification programs and testing labs.					m do
			hhtps://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EH	ILB/IAQ/Pages/VOC.aspx.					ťN
Y		CONTRACTOR	4.504.5 COMPOSITE WOOD PRODUCTS. Hardwood composite wood products used on the interior or exterior formaldehyde as specified in ARB's Air Toxics Control Me before the date specified in these sections.	plywood, particleboard and medium dens of the buildings shall meet the requirement asure for Composite Wood (17 CCR 9312)	ity fiberboard ents for 0 et seq.), by or				
Y		CONTRACTOR	4.504.5.1 Documentation. Verification of compli- by the enforcing agency. Documentation shall inclu	ance with this section shall be provided as ude at least one of the following:	s requested				
			 Product certifications and specifications. Chain of custody certifications. Product labeled and invoiced as meeting CCR, Title 17, Section 93120, et seq.). Exterior grade products marked as mee Wood Association, the Australian AS/NZ 0121, CSA 0151, CSA 0153 and CSA 03 Other methods acceptable to the enforce 	g the Composite Wood Products regulation ting the PS-1 or PS-2 standards of the En ZS 2269, European 636 3S standards, and 25 standards. ting agency.	n (see gineered I Canadian CSA				
	g [8]		4.505 INTERIOR MOISTURE CONTROL 4.505.1 General . Buildings shall meet or exceed the pro 4.505.2 CONCRETE SLAB FOUNDATIONS . Concrete Building Code, Chapter 19, or concrete slab-on-ground fla Residential Code, Chapter 5, shall also comply with this s	visions of the <i>California Building Standar</i> slab foundations required to have a vapo oors required to have a vapor retarder by section.	rds Code. r retarder by California the California				
	B		following:	i de installed in compliance with at least o	one of the				
			 A 4-inch (101.6 mm) thick base of 1/2 in a vapor barrier in direct contact with co shrinkage, and curling, shall be used. F ACI 302.2R-06. Other equivalent methods approved by A slab design specified by a licensed de 	nch (12.7mm) or larger clean aggregate s oncrete and a concrete mix design, which For additional information, see American (the enforcing agency. sign professional.	shall be provided with will address bleeding, Concrete Institute,				
		CONTRACTOR	4.505.3 MOISTURE CONTENT OF BUILDING MATER shall not be installed. Wall and floor framing shall not be moisture content. Moisture content shall be verified in co	IALS. Building materials with visible sign enclosed when the framing members excompliance with the following:	s of water damage reed 19 percent				
			 Moisture content shall be determined with eith moisture verification methods may be approve found in Section 101.8 of this code. Moisture readings shall be taken at a point 2 for of each piece verified. At least three random moisture readings shall acceptable to the enforcing agency provided a 	er a probe-type or contact-type moisture ed by the enforcing agency and shall sati- eet (610 mm) to 4 feet (1219 mm) from t be performed on wall and floor framing w at the time of approval to enclose the wa	meter.Equivalent sfy requirements the grade stamped with documentation II and floor framing.				
			Insulation products which are visibly wet or have a high enclosure in wall or floor cavities. Wet-applied insulation recommendations prior to enclosure.	moisture content shall be replaced or allo products shall follow the manufacturers'	wed to dry prior to drying				
Y		CONTRACTOR	4.506 INDOOR AIR QUALITY AND EXH 4.506.1 Bathroom exhaust fans. Each bathroom shall	AUST be mechanically ventilated and shall comp ducted to terminate outside the building.	ply with the following:				
			 Unless functioning as a component of a whole humidity control. a. Humidity controls shall be capable of ac 	house ventilation system, fans must be c	ontrolled by a				
			equal to 50% to a maximum of 80%. A adjustment. b. A humidity control may be a separate co integral (i.e., built-in) Notes:	A humidity control may utilize manual or a component to the exhaust fan and is not re	automatic means of equired to be				
			 For the purposes of this section, a bath tub/shower combination. Lighting integral to bathroom exhaust factorial contents. 	room is a room which contains a bathtub, ans shall comply with the <i>California Energ</i>	shower or gy Code.				
	X		4.507 ENVIRONMENTAL COMFORT 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM designed and have their equipment selected using the fo	DESIGN. Heating and air conditioning s llowing methods:	ystems shall be sized,				
			 The heat loss and heat gain is established according Calculation), ASHRAE handbooks or other equivaler Duct systems are sized according to ANSI/ACCI ASHRAE handbooks or other equivalent design Select heating and cooling equipment according Equipment Selection), or other equivalent design software 	ording to ANSI/ACCA 2 Manual J - 2011 (F at design software or methods. CA 1 Manual D - 2014 (Residential Duct Sy n software or methods. ng to ANSI/ACCA 3 Manual S - 2014 (Reside e or methods.	Residential /stems), dential				
							I	1	

.

RESPON, PARTY

NOT APPLICABLE RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

APTER 7 TALLER & SPECIAL INSPECTOR QUALIFICATIONS QUALIFICATIONS

INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper tion of HVAC systems including ducts and equipment by a nationally or regionally recognized training or tion program. Uncertified persons may perform HVAC installations when under the direct supervision and sibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. es 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.
- SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the sible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or uties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence atisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to ertifications or qualifications acceptable to the enforcing agency, the following certifications or education may be red by the enforcing agency when evaluating the qualifications of a special inspector:
- Certification by a national or regional green building program or standard publisher. Certification by a statewide energy consulting or verification organization, such as HERS raters, building
- performance contractors, and home energy auditors. Successful completion of a third party apprentice training program in the appropriate trade.

Other programs acceptable to the enforcing agency.

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

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

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

VERIFICATIONS

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

Revision History							
08/05/22	PROGRESS SET						
08/30/22	2ND PROGRESS SET						
09/15/22	3RD PROGRESS SET						
09/22/22	4TH PROGRESS SET						
10/04/22	FLOOR PLAN PROGRESS & SET WINDOWS						
12/27/22	DECEMBER PROGRESS SET						
5/23/23	MAY PROGRESS SET						
6/19/23 -	PLANNING SUBMISSION						
7/21/23	PREP						
02/20/24 -	PLANNING SUBMISSION						
3/5/24	SET						





ENERGY COMMISSION	2022 Single-Family Residential Mandatory Requirements Summary	
<u>NOTE</u> : Single used. Review (04/2022)	-family residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach the respective section for more information.	(m)
Building Enve	lope:	TENE RAY COMMISSION
§ 110.6(a)1:	Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or less when tested per NFRC-400, ASTM E283, or AAMA/WDMA/CSA 101/I.S.2/A440-2011. *	§ 110.5:
§ 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. *	§ 150.0(h)1:
§ 110.7:	_ caulked, gasketed, or weather stripped.	§ 150.0(h)3A:
§ 110.8(a):	Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of Household Goods and Services (BHGS).	& 150 0(b)3B
§ 110.8(g):	Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(g).	§ 150.0(11)5B.
§ 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 CE1R	§ 150.0(j)1:
§ 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	§ 150.0(j)2:
§ 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 are apprecision of the sealed insulation for a drawell excited as a precision of a drawell excited to the roof of the roof of a drawell excited to the roof of	§ 150.0(n)1:
\$ 150 0/b):	_ as specified in § 110.7, including but not inflited to placing insulation entref above of below the tool deck of on top of a drywall celling.	
§ 150.0(b).	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.	§ 150.0(n)3:
3(.).	Masonry walls must meet Tables 150.1-A or B. *	Ducts and Fan
§ 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).	§ 110.8(d)3:
§ 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(m)1:
§ 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.	3 130.0(m)1.
§ 150.0(q):	a maximum U-factor of 0.45; or area-weighted average U-factor of all fenestration must not exceed 0.45. *	
Fireplaces, De	ecorative Gas Appliances, and Gas Log:	C 450 0(m)0
§ 110.5(e)	Pilot Light. Continuously burning pilot lights are not allowed for indoor and outdoor fireplaces.	§ 150.0(m)2:
§ 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.	
8 150 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	§ 150.0(m)3:
§ 150.0(c)2.	area and is equipped with a readily accessible, operable, and tight-fitting damper or combustion-air control device.	§ 150.0(m)7:
Space Condit	Fide Damper. Masonry of factory-built mephaces must have a fide damper with a readily accessible control.	\$ 150 0(m)9;
	Certification Heating, and Funning System.	§ 150.0(11)6.
§ 110.0-§ 110	^{1.3} regulated appliances must be certified by the manufacturer to the California Energy Commission. *	§ 150.0(m)9:
§ 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):	heaters must have controls that prevent supplementary Electric Resistance Heaters. Heat pumps with supplementary electric resistance and in which the cut-on temperature for compression heating is higher than the cut-on temperature for supplementary heating, and the supplementary for compression heating is higher than the cut-on temperature for supplementary heating, and	§ 150.0(m)10:
§ 110.2(c):	Thermostats. All heating or cooling systems not controlled by a central energy management control system (EMCS) must have a setback thermostat. *	§ 150.0(m)11:
§ 110.3(c)3:	Insulation. Unfired service water heater storage tanks and solar water-heating backup tanks must have adequate insulation, or tank surface heat loss rating.	§ 150.0(m)12:
§ 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.	

5/6/22

5/6/22

	2022 Single-Family Residential Mandatory Requirements Summary		2022 Single-Family Residential Mandatory Requ
§ 150.0(k)1G:	Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8. *	§ 150.0(s)	Energy Storage System (ESS) Ready. All single-family residences must meet all c equipment with backed up capacity of 60 amps or more and four or more ESS sur
§ 150.0(k)1H:	elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires.		main service to a subpanel that supplies the branch circuits in § 150.0(s); at least source collocated at a single panelboard suitable to be supplied by the ESS, with
§ 150.0(k)1I:	Light Sources in Drawers, Cabinets, and Linen Closets. Light sources internal to drawers, cabinetry or linen closets are not required to comply with Table 150.0-A or be controlled by vacancy sensors provided that they are rated to consume no more than 5 watts of power, emit no more than 150 lumens, and are equipped with controls that automatically turn the lighting off when the drawer, cabinet or		near the primary exit, and one circuit supplying a sleeping room receptacle outlet; 225 amps; sufficient space must be reserved to allow future installation of a system panelboard, with raceways installed between the panelboard and the switch location
	linen closet is closed.	§ 150.0(t)	Heat Pump Space Heater Ready. Systems using gas or propane turnaces to serve unobstructed 240V branch circuit wiring installed within 3' of the furnace with circu
§ 150.0(k)2A:	Interior Switches and Controls. All forward phase cut dimmers used with LED light sources must comply with NEMA SSL 7A.		identified as "240V ready;" and a reserved main electrical service panel space to a
§ 150.0(k)2B:	Interior Switches and Controls. Exhaust fans must be controlled separately from lighting systems. *		permanently marked as "For Future 240V use." Electric Cookton Ready, Systems using das or propage cookton to serve individua
§ 150.0(k)2A:	on and off. *	§ 150.0(u)	240V branch circuit wiring installed within 3' of the cooktop with circuit conductors
§ 150.0(k)2B:	to comply with § 150.0(k).		marked as "For Future 240V use."
§ 150.0(k)2C:	Mandatory Requirements. Lighting controls must comply with the applicable requirements of § 110.9.	8 150 0(v)	Electric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbir
§ 150.0(k)2D:	Energy Management Control Systems. An energy management control system (EMCS) may be used to comply with dimming, occupancy, and control requirements if it provides the functionality of the specified control per § 110.9 and the physical controls specified in 8, 150,0(k)24	3 100.0(1)	dedicated unobstructed 240V branch circuit wiring installed within 3' of the dryer lo the blank cover identified as "240V ready;" and a reserved main electrical service circuit breaker permanently marked as "For Future 240V use."
§ 150.0(k)2E:	Automatic Shutoff Controls. In bathrooms, garages, laundry rooms, utility rooms and walk-in closets, at least one installed luminaire must be controlled by an occupancy or vacancy sensor providing automatic-off functionality. Lighting inside drawers and cabinets with opague fronts or doors must have controls that turn the light off when the drawer or door is closed.	*Exceptions	may apply.
§ 150.0(k)2F:	Dimmers. Lighting in habitable spaces (e.g., living rooms, dining rooms, kitchens, and bedrooms) must have readily accessible wall- mounted dimming controls that allow the lighting to be manually adjusted up and down. Forward phase cut dimmers controlling LED light sources in these spaces must comply with NEMA SSL 7A.		
§ 150.0(k)2K:	Independent controls. Integrated lighting of exhaust fans shall be controlled independently from the fans. Lighting under cabinets or shelves, lighting in display cabinets, and switched outlets must be controlled separately from ceiling-installed lighting.		
§ 150.0(k)3A:	other buildings on the same lot, must have a manual on/off switch and either a photocell and motion sensor or automatic time switch control) or an astronomical time clock. An energy management control system that provides the specified control functionality and meets all applicable requirements may be used to meet these requirements.		
§ 150.0(k)4:	Internally illuminated address signs. Internally illuminated address signs must either comply with § 140.8 or consume no more than 5 watts of power.		
§ 150.0(k)5:	Residential Garages for Eight or More Vehicles. Lighting for residential parking garages for eight or more vehicles must comply with the applicable requirements for nonresidential garages in §§ 110.9, 130.0, 130.1, 130.4, 140.6, and 141.0.		
Solar Readines	SS: Circle femily Decidences. Circle femily recidences leasted in subdivisions with 10 or more single femily residences and where the	7	
§ 110.10(a)1:	application for a tentative subdivision map for the residences has been deemed complete and approved by the enforcement agency, which do not have a photovoltaic system installed, must comply with the requirements of § 110.10(b)-(e).		
	Minimum Solar Zone Area. The solar zone must have a minimum total area as described below. The solar zone must comply with access, pathway, smoke ventilation, and spacing requirements as specified in Title 24, Part 9 or other parts of Title 24 or in any requirements adopted by a local jurisdiction. The solar zone total area must be comprised of areas that have no dimension less than 5		
§110.10(b)1A:	feet and are no less than 80 square feet each for buildings with roof areas less than or equal to 10,000 square feet or no less than 160 square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be		
	located on the root or overnang of the building and have a total area no less than 250 square feet.	4	
§ 110.10(b)2:	Azimuth. All sections of the solar zone located on steep-sloped roots must have an azimuth between 90-300° of true horth. Shading. The solar zone must not contain any obstructions, including but not limited to: vents, chimneys, architectural features, and roof		
§ 110.10(b)3A	Shading. Any obstruction located on the roof or any other part of the building that projects above a solar zone must be located at least twice the horizontal distance of the height difference between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone measured in the vertical plane. *	1	
§ 110.10(b)4:	Structural Design Loads on Construction Documents. For areas of the roof designated as a solar zone, the structural design loads for roof dead load and roof live load must be clearly indicated on the construction documents.	1	
§ 110.10(c):	Interconnection Pathways. The construction documents must indicate: a location reserved for inverters and metering equipment and a pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service; and for single-family residences and central water-heating systems, a pathway reserved for routing plumbing from the solar zone to the water-heating system.		
§ 110.10(d):	provided to the occupant.		
§ 110.10(e)1:	Main Electrical Service Panel. The main electrical service panel must have a minimum busbar rating of 200 amps.	ļ	
§ 110.10(e)2:	Main Electrical Service Panel. The main electrical service panel must have a reserved space to allow for the installation of a double pole circuit breaker for a future solar electric installation. The reserved space must be permanently marked as "For Future Solar Electric."		
Electric and E	nergy Storage Ready:	-	

2022 Single-Family Residential Mandatory Requirements Summary	Text are common to	2022 Single-Family Reside
lot Lights. Continuously burning pilot lights are prohibited for natural gas: fan-type central furnaces; household cooking appliances xcept appliances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu per hour); and pool and ba heaters. *	§ 150.0(m)13:	Space Conditioning System Airflow Rate and Fa a hole for the placement of a static pressure pro be \geq 350 CFM per ton of nominal cooling capaci- bandlers and ≤ 0.58 watts per CFM for all others
Jilding Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook, Juipment Volume, Applications Volume, and Fundamentals Volume; the SMACNA Residential Comfort System Installation Candards Manual; or the ACCA Manual J using design conditions specified in § 150.0(h)2. Iearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any	L	cooling capacity, and an air-handling unit fan efficacy ≤ 0.6 Reference Residential Appendix RA3.3. *
yer. quid Line Drier. Air conditioners and heat pump systems must be equipped with liquid line filter driers if required, as specified by the	Ventilation and	Undoor Air Quality:
anufacturer's instructions. /ater Piping, Solar Water-heating System Piping, and Space Conditioning System Line Insulation. All domestic hot water ping must be insulated as specified in § 609.11 of the California Plumbing Code. *	§ 150.0(o)1:	Requirements for Ventilation and Indoor Air Qua Ventilation and Acceptable Indoor Air Quality in
sulation Protection. Piping insulation must be protected from damage, including that due to sunlight, moisture, equipment` aintenance, and wind as required by §120.3(b). Insulation exposed to weather must be water retardant and protected from UV light (no thesive tapes). Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space must clude, or be protected by, a Class I or Class II vapor retarder. Pipe insulation buried below grade must be installed in a waterproof and on-crushable casing or sleeve.	§ 150.0(o)1B:	Central Fan Integrated (CFI) Ventilation System dwelling unit ventilation airflow required per §15 prevents all airflow through the space conditionin ventilation systems must have controls that track compliance with §150.0(o)1C.
as or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must esignate a space at least 2.5' x 2.5' x 7' suitable for the future installation of a heat pump water heater, and meet electrical and umbing requirements, based on the distance between this designated space and the water heater location; and a condensate drain no	§ 150.0(o)1C:	and attached dwelling units not sharing ceilings spaces must have mechanical ventilation airflow
ore than 2" higher than the base of the water heating systems and collectors must be certified and rated by the Solar Rating and ertification Corporation (SRCC), the International Association of Plumbing and Mechanical Officials, Research and Testing (IAPMO	§ 150.0(o)1G:	Local Mechanical Exhaust. Kitchens and bathrocontrolled exhaust system meeting requirements continuous exhaust meeting §150.0(o)1Giii-iv. A \$150.0(o)1Gii *
(1), or by a listing agency that is approved by the executive director.	§ 150.0(o)1H&	I: Airflow Measurement and Sound Ratings of
ucts. Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC). If a ontractor installs the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement.]	be measured by using a flow hood, flow grid, or Residential Appendix RA3.7. Whole-Dwelling un minimum airflow rate required by §150.0(o)1C.
MC Compliance. All air-distribution system ducts and plenums must meet CMC §§ 601.0-605.0 and ANSI/SMACNA-006-2006 HVAC uct Construction Standards Metal and Flexible 3rd Edition. Portions of supply-air and return-air ducts and plenums must be insulated to -6.0 or higher; ducts located entirely in conditioned space as confirmed through field verification and diagnostic testing (RA3.1.4.3.8) o not require insulation. Connections of metal ducts and inner core of flexible ducts must be mechanically fastened. Openings must be	§ 150.0(o)2:	Field Verification and Diagnostic Testing. Whole and HRV and ERV fan efficacy must be verified must be verified per Reference Residential Apper rates and sound requirements per §150.0(o)1G
ne combination of mastic and either mesh or tape must be used to seal openings greater than 1/4", If mastic or tape is used. Building	Pool and Spa S	Systems and Equipment:
ivities, air handler support platforms, and plenums designed or constructed with materials other than sealed sheet metal, duct board or exible duct must not be used to convey conditioned air. Building cavities and support platforms may contain ducts; ducts installed in ese spaces must not be compressed. *	§ 110.4(a):	with the Appliance Efficiency Regulations and list the heater without adjusting the thermostat setting use electric resistance beating.*
actory-Fabricated Duct Systems. Factory-fabricated duct systems must comply with applicable requirements for duct construction, onnections, and closures; joints and seams of duct systems and their components must not be sealed with cloth back rubber adhesive uct tapes unless such tape is used in combination with mastic and draw bands.	§ 110.4(b)1:	Piping. Any pool or spa heating system or equip dedicated suction and return lines, or built-in or
eld-Fabricated Duct Systems. Field-fabricated duct systems must comply with applicable requirements for: pressure-sensitive tapes,	§ 110.4(b)2:	Covers. Outdoor pools or spas that have a heat Directional Inlets and Time Switches for Pools.
ackdraft Damper. Fan systems that exchange air between the conditioned space and outdoors must have backdraft or automatic	§ 110.4(b)3:	switch that will allow all pumps to be set or prog
ampers. ravity Ventilation Dampers. Gravity ventilating systems serving conditioned space must have either automatic or readily accessible.	§ 110.5:	Pliot Light. Natural gas pool and spa heaters mu Pool Systems and Equipment Installation. Resid
anually operated dampers in all openings to the outside, except combustion inlet and outlet air openings and elevator shaft vents.	§ 150.0(p):	sizing, flow rate, piping, filters, and valves. *
sulation exposed to weather must be suitable for outdoor service (e.g., protected by aluminum, sheet metal, painted canvas, or plastic	Lighting:	Lighting Controls and Components. All lighting c
ver). Cellular foam insulation must be protected as above or painted with a water retardant and solar radiation-resistant coating.	§ 110.9:	requirements of § 110.9. *
uct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to an	§ 150.0(k)1A:	Luminaire Efficacy. All installed luminaires must range hoods, bath vanity mirrors, and garage do closets with an efficacy of at least 45 lumens pe
cuplable space, the ducts must be sealed and duct leakage tested, as confirmed through field verification and diagnostic testing, in cordance with Reference Residential Appendix RA3.1.	§ 150.0(k)1B:	Screw based luminaires. Screw based luminaire
r Filtration. Space conditioning systems with ducts exceeding 10 feet and the supply side of ventilation systems must have MERV 13 equivalent filters. Filters for space conditioning systems must have a two inch depth or can be one inch if sized per Equation 150.0-A.	§ 150.0(k)1C:	Recessed Downlight Luminaires in Ceilings. Lur and must be sealed with a gasket or caulk. Calif
icks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to and prevents air from bypassing the	§ 150.0(k)1D:	elevated temperature requirements, including m
ter. *	§ 150.0(k)1E:	Blank Electrical Boxes. The number of electrical luminaire or other device shall be no more than control, low voltage wiring, or fan speed control.
	§ 150.0(k)1F:	Lighting Integral to Exhaust Fans. Lighting integ hoods) must meet the applicable requirements of
	5/6/22	

dential Mandatory Requirements Summary

Fan Efficacy. Space conditioning systems that use ducts to supply cooling must have robe, or a permanently installed static pressure probe in the supply plenum. Airflow must city, and an air-handling unit fan efficacy ≤ 0.45 watts per CFM for gas furnace air rs. Small duct high velocity systems must provide an airflow \geq 250 CFM per ton of nominal 0.62 watts per CFM. Field verification testing is required in accordance with

ality. All dwelling units must meet the requirements of ASHRAE Standard 62.2, Residential Buildings subject to the amendments specified in § 150.0(o)1. * ms. Continuous operation of CFI air handlers is not allowed to provide the whole-50.0(o)1C. A motorized damper(s) must be installed on the ventilation duct(s) that ning duct system when the damper(s) is closed andcontrolled per §150.0(o)1Biii&iv. CFI k outdoor air ventilation run time, and either open or close the motorized damper(s) for for Single-Family Detached and townhouses . Single-family detached dwelling units, s or floors with other dwelling units, occupiable spaces, public garages, or commercial v specified in § 150.0(o)1Ci-iii.

ooms must have local mechanical exhaust; nonenclosed kitchens must have demandnts of §150.0(o)1Giii,enclosed kitchens and bathrooms can use demand-controlled or Airflow must be measured by the installer per §150.0(o)1Gv, and rated for sound per

of Whole-Dwelling Unit Ventilation Systems. The airflow required per § 150.0(o)1C must or other airflow measuring device at the fan's inlet or outlet terminals/grilles per Reference unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less than the

e-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating, d in accordance with Reference Residential Appendix RA3.7. Vented range hoods pendix RA3.7.4.3 to confirm if it is rated by HVI or AHAM to comply with the airflow

a heating system or equipment must be certified to have all of the following: compliance listing in MAEDbS; an on-off switch mounted outside of the heater that allows shutting off ting; a permanent weatherproof plate or card with operating instructions; and must not

ipment must be installed with at least 36 inches of pipe between the filter and the heater, or r built-up connections to allow for future solar heating.

t pump or gas heater must have a cover. Pools must have directional inlets that adequately mix the pool water, and a time grammed to run only during off-peak electric demand periods.

nust not have a continuously burning pilot light. idential pool systems or equipment must meet the specified requirements for pump

control devices and systems, ballasts, and luminaires must meet the applicable

st meet the requirements in Table 150.0-A, except lighting integral to exhaust fans, kitchen door openers; navigation lighting less than 5 watts; and lighting internal to drawers, cabinets, and linen

r watt. res must contain lamps that comply with Reference Joint Appendix JA8. *

uminaires recessed into ceilings must not contain screw based sockets, must be airtight, lifornia Electrical Code § 410.116 must also be met.

aires. Lamps and other separable light sources that are not compliant with the JA8 narking requirements, must not be installed in enclosed or recessed luminaires.

al boxes that are more than five feet above the finished floor and do not contain a the number of bedrooms. These boxes must be served by a dimmer, vacancy sensor

ral to exhaust fans (except when installed by the manufacturer in kitchen exhaust s of § 150.0(k). *

Summary

of the following: Either ESS-ready interconnection pplied branch circuits, or a dedicated raceway from the four branch circuits must be identified and have their one circuit supplying the refrigerator, one lighting circuit ; main panelboard must have a minimum busbar rating of m isolation equipment/transfer switch within 3' of the main ion to allow the connection of backup power source. e individual dwelling units must include: A dedicated uit conductors rated at least 30 amps with the blank cover allow for the installation of a double pole circuit breaker

al dwelling units must include: A dedicated unobstructed rated at least 50 amps with the blank cover identified as installation of a double pole circuit breaker permanently

ng to serve individual dwelling units must include: A ocation with circuit conductors rated at least 30 amps with panel space to allow for the installation of a double pole

R	levisior		
08/20/22			
00/30/22	2ND F		
09/15/22	3RD F	PROGRESS SET	
09/22/22		PROGRESS SET	
10/04/22	SE	TWINDOWS	7 7
12/27/22	DECEMB	ER PROGRESS SET	
5/23/23	MAY I	PROGRESS SET	
7/21/23	PLANN	PREP	
02/20/24 - 3/5/24	PLANN	ING SUBMISSION	
Z		REMODELING INC	E MODK
OFFICE & MASTER BATHROOM ADDITION 427 LOS CERROS DR	GREENBRAE, CA 94904-1124 APN: 070-071-14	OWNER: DAVID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR GREENBRAE, CA 94904-1124	ADD FOT MANACED DDIOD TO CONTINITATION
	Drawi	ing By:	С Т С Г Т С
	klimen@	Datt.net	
	PH: 510.9	928.1359	
ралика С	ate: JUL	Y 05, 2022	
Deter Cl Digitall EMAI	Project NYÍSTO Y SIGNED BY PET L=KLIMEN@ATT.M	/ Job #: Pher Klímen er christopher klimen net date: 03/05/24	
SIDFNTIAL	NDATORY	EASURES UMMARY	

MF1R

ОF CONTINUATION ЦО RIOR Ω СĽ Σ DR CONTACT 0 L GC ANCY, Ц \Box CA \Box FIEL





A A4.10



SEE CONSTRUCTION NOTES FOR LEGEND & DETAILS

UPPER FLOOR

LOWER FLOOR



OOR	PLAN	3	DEMOLITION	PLAN	
/4"=1'-	-0"				

Revision History 08/05/22 PROGRESS SET 08/30/22 2ND PROGRESS SET 09/15/22 3RD PROGRESS SET 09/22/22 4TH PROGRESS SET FLOOR PLAN PROGRESS & SET WINDOWS 10/04/22 12/27/22 DECEMBER PROGRESS SET 5/23/23 MAY PROGRESS SET 6/19/23 - PLANNING -7/21/23 PREP 02/20/24 - PLANNING SUBMISSION 3/5/24 SET Ň \sim Ċ 49 - (650) 380-4 -OS CERRO: 3RAE, CA 949 OWNE FICE & N HROOM / LOS CEF BN: 070-Щ OFF BATHI 427 L GREENBI AP VID & I PH -427 L EENBI \cap Drawing By: Chris Klimen klimen@att.net PH: 510.928.1359 Date: JULY 05, 2022 Project / Job #: Peter Christopher Klimen Digitally signed by peter christopher klimen EMAIL=KLIMEN@ATT.NET DATE: 03/05/24 EXIS Δ Š

AL.

Σ 0



SEE CONSTRUCTIO

ON NOTES FOR LEGEND & DETAILS		Revision	History
	08/05/22	PRC	DGRESS SET
	08/30/22	2ND P	ROGRESS SET
	09/15/22	3RD P	ROGRESS SET
	09/22/22	4TH P	ROGRESS SET
	10/04/22	FLOOR P	LAN PROGRESS & T WINDOWS
	12/27/22	DECEMBE	
	5/23/23	MAY F	
	6/19/23 - 7/21/23	PLANN	ING SUBMISSION
$(X (N) 4^{\underline{0}} X^{\underline{X}} (N) 1^{\underline{6}} X^{\underline{X}}$	3/5/24 -	PLANNI	NG SUBMISSION SET
AFTER AFTER RAL STRUCTURAL STRUCTURAL (N) 5 ⁰ X ^X (N) 3 ⁰ X ^X FIXED	Z		REMODELING INC
٩G	OFFICE & MASTER BATHROOM ADDITION 427 LOS CERROS DR	GREENBRAE, CA 94904-1124 APN: 070-071-14	OWNER: DAVID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR GREENBRAE, CA 94904-1124
		Drawi	ng By:
	<u>}</u>	Chris klimon	Klimen
		PH: 510.9	928.1359
		Date: JULY	(05, 2022
		Project /	
	HETER C DIGITAL	NYLSTO LLY SIGNED BY PETE AIL=KLIMEN@ATT.NI	PNEY KUMEM ER CHRISTOPHER KLIMEN ET DATE: 03/05/24
			FLOOR PLAN
_OOR_PLAN /2"=1'-0"	4	1	.11



TRUCTION NOTES FOR LEGEND & DETAILS (Povision	History
	08/05/22	PR	OGRESS SET
	08/30/22	2ND F	PROGRESS SET
	09/15/22	3RD F	ROGRESS SET
	09/22/22	4TH P	ROGRESS SET
	10/04/22	FLOOR P SF	LAN PROGRESS & T WINDOWS
	12/27/22	DECEMB	ER PROGRESS SET
(GG) (BB) (CC)	5/23/23	MAY I	PROGRESS SET
	6/19/23 - 7/21/23	PLANN	ING SUBMISSION PREP
	3/5/24 -	PLANN	SET
			REMODELING INC
5.	OFFICE & MASTER BATHROOM ADDITION 427 LOS CFRROS DR	GREENBRAE, CA 94904-1124 APN: 070-071-14	OWNER: DAVID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR GREENBRAE, CA 94904-1124
		Drawi	ng By:
	<u> </u>	Chris klimen@	Klimen
		PH: 510.9	928.1359
		Date: JUL	Y 05, 2022
	Deter C	hristo	Dher Klímen
	DIGITAL	LY SIGNED BY PET	ER CHRISTOPHER KLIMEN IET DATE: 03/05/24
		7	
		CONSTRUCTIO	۲AN
(N) FLOOR PLAN scale: 1/2"=1'-0"	A	1	.12

PAINTED TO MATCH THE COLOR OF ADJACENT SURFACES. U.O.N.

OF WATER, DUST OR DEBRIS WHICH MAY ENTER THE SYSTEM.

CONTAIN SCREW BASE SOCKET. CA ENERGY SECTIONS 150.0 (K) 1 C.

• INSTALL FOAM GASKETS TO CEILING & CRAWLSPACE ACCESS PANELS.

• (E) DOORS & WINDOWS NOT INDICATED TO BE REMOVED ARE TO REMAIN.

MANUFACTURERS INSTALLATION INSTRUCTIONS. WHERE FLASHING IS INSTALLED, APPROVED

FIXTURES PER CAL GREEN SECTIONS 301.1.1 & 4.303.1

CLOSETS LESS THAN 70 SQ FT & HALLWAYS

ACCORDANCE W/ CEC 150(K)(L)(A).

WITH AN APPROVED PRESERVATIVE.

COMPONENTS.

OR SKYLIG

DETAILS.

PROVIDE A COMPLETE AIR-TIGHT SEAL.

FRAMING DIMENSIONS.

BUILDING FINAL

PRIOR TO VERIFICATION

<u>G1.0</u>

PLUMBING REQUIREMENTS

• ALL VENTS, GUTTERS, DOWNSPOUTS, FLASHINGS, ELECTRICAL CONDUITS, METAL SURFACES ETC., SHALL BE

DIMENSIONS GIVEN ARE TO FACE OF FINISH U.O.N. MAKE APPROPRIATE ADJUSTMENTS TO DETERMINE

• SEE SHEETS A0.2, G1.0 & G1.1 FOR MANDATORY GENERAL CONSTRUCTION, ELECTRICAL, MECHANICAL, &

• ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM

OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE ENFORCING

• CONTRACTORS SHALL PROVIDE OWNER WITH ALL END USER INFORMATION & MAINTENANCE MANUALS FOR

INSTALLED ITEMS & ALL OTHER REQUIRED INFORMATION DESCRIBED IN SECTION 4.410 ON SHEET G1.0 PRIOR TO

• ALL FINISH MATERIALS SHALL BE COMPLIANT WITH VOC AND OTHER TOXIC COMPOUND LIMITS AS OUTLINED

IN SECTION 4.504 ON SHEETS G1.0 & G1.1. INCLUDING (BUT NOT LIMITED TO) ADHESIVES, SEALANTS, CAULKS,

DENSITY FIBERBOARD, PLYWOOD. DOCUMENTATION IS REQUIRED AS SPECIFIED IN SECTION 4.504.2.4 ON SHEET

• MOISTURE CONTENT OF BUILDING MATERIALS SHALL BE VERIFIED AND DOCUMENTATION PROVIDED TO THE

• 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

DIMMERS OR VACANCY SENSORS ARE REQUIRED TO CONTROL ALL HIGH-EFFICACY LUMINAIRES, EXCEPT

• ALL NEW RECESSED LIGHTING SHALL COMPLY WITH THE REFERENCE JOINT APPENDIX JA8 AND SHALL NOT

CAULK OR FOAM SEAL ANY PENETRATIONS (PIPING, WIRING, ETC.) THROUGH THE TOP OR BOTTOM PLATES.

ENFORCING AGENCY AS OUTLINED IN SECTION 4.505.3 ON SHEET G1.1. DO NOT CLOSE ANY CONSTRUCTION

ALL NONCOMPLIANT PLUMBING FIXTURES SHALL BE REPLACED WITH WATER-CONSERVING PLUMBING

ALL PROPOSED LIGHTING TO BE HIGH EFFICACY IN ACCORDANCE WITH CEC 150, 0 (K)(L)(A)

• RECESSED LIGHTING FIXTURES TO BE LISTED FOR ZERO CLEARANCE INSULATION CONTACT (IC) IN

• USE CAULKING OR FOAM TO PROVIDE AN AIRTIGHT SEAL AROUND ALL MECHANICAL PENETRATIONS

• ANY NEW DOORS, WINDOWS, OR FLASHING FOR THEM, TO BE INSTALLED PER THE DOOR OR WINDOW

WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING

• FIELD-CUT ENDS, NOTCHES AND DRILLED HOLES OF PRESERVATIVE-TREATED WOOD SHALL BE TREATED

CORROSION-RESISTANT FLASHING SHALL BE APPLIED SHINGLE-FASHION IN A MANNER TO PREVENT ENTRY OF

CONSULT THE T-24 REPORT FOR REQUIRED U-FACTOR & SHGC VALUES FOR ANY NEW DOOR, WINDOW,

CONSULT THE STRUCTURAL PLANS FOR ALL FOUNDATION, FRAMING, NEW & MODIFIED WALL, & SHEARWALL

THROUGH WALLS, CEILING, OR FLOORS. USE FIRE RESISTANT SEALING MATERIAL WHERE APPROPRIATE.

PAINTS, STAINS, COATINGS, CARPET & CARPET SYSTEMS, RESILIENT FLOORING, PARTICLEBOARD, MEDIUM

PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH

BATHROOM CONSTRUCTION NOTES INSTALL ANY NEW SWITCHES OR RECEPTACLES AT ELEVATIONS TO MATCH EXISTING U.O.N.

LOCATION PRIOR TO ROUGH IN, RELOCATE OR TURN HORIZONTAL IF NECESSARY. CONSULT OWNER/PROJECT MANAGER FOR EXACT PLACEMENT IF RELOCATION IS REQUIRED. RECEPTACLE @ TOILET AREA TO MATCH EXISTING RECEPTACLE ELEVATION (SEE WASHLET NOTE BELOW). INSTALL NEW TOILET WHERE INDICATED. PROVIDE MINIMUM 24" UNOBSTRUCTED CLEARANCE IN FRONT OF TOILET & 15" MINIMUM UNOBSTRUCTED CLEARANCE TO EACH SIDE. SEE SECTION 4.303 ON SHEET G1.0 FOR REQUIRED FIXTURE FLOW RATES. RELOCATE PLUMBING AS NECESSARY. INSTALL WASHLET ACCESSORY TO TOILET. CONSULT WASHLET INSTALLATION INSTRUCTIONS TO DETERMINE EXACT LOCATION FOR RECEPTACLE. INSTALL CURBLESS SHOWER WITH LINEAR DRAIN PER DIMENSIONS SHOWN. TRAP & DRAIN PIPE TO BE 2" INSTALL LINEAR DRAIN @ SHOWER DOOR AS INDICATED TO FUNCTION AS REQUIRED SECONDARY DRAIN. WATERPROOF SHOWER MEMBRANE MUST EXTEND BEYOND DRAIN. TRAP AND DRAIN FOR SECONDARY MUST

MINIMUM. CONNECT INDEPENDENTLY TO MAIN.

INSTALL BENCH AS INDICATED, 20" TO TOP. INSTALL BATHTUB. CONSULT MANUFACTURERS INSTRUCTIONS TO DETERMINE LOCATION FOR ROUGH-IN. RELOCATE PLUMBING AS NECESSARY. BATHTUB MODELED IS A KOHLER STARGAZE 72". INSTALL WALL MOUNTED ROMAN TUB BATHTUB VALVE & FILLER SPOUT. SEE SECTION 4.303 ON SHEET G1.0 FOR REQUIRED FIXTURE FLOW RATES.

INSTALL WALL MOUNTED EXHAUST FAN AS INDICATED. 1629 CFM MIN. INSTALL LED LIGHTING (SUITABLE FOR DAMP/WET LOCATION, AS APPROPRIATE) AS INDICATED. INSTALL VANITIES, SINKS & SINK FIXTURES. SEE SECTION 4.303 ON SHEET G1.0 FOR REQUIRED FIXTURE FLOW RATES. PROVIDE MINIMUM 24" UNOBSTRUCTED CLEARANCE IN FRONT OF SINK. INSTALL GFCI RECEPTACLES AS INDICATED. •

INSTALL LED BACKLIT MIRRORS CENTERED OVER VANITIES. CONSULT OWNER/PROJECT MANAGER FOR INSTALL SHOWERHEADS (HANDHELD & FIXED) @ 7' FROM FINISHED FLOOR, & MIXING VALVE @ 48" FROM INSTALL TWO 16"W X 16"T SHAMPOO NICHES @ BATHTUB. INSTALL 4" ABOVE RIM OF BATHTUB TO BOTTOM INSTALL NEW 16"W X 36"T SHAMPOO NICHE @ SHOWER. INSTALL @ 40" FROM FINISHED FLOOR TO BOTTOM INSTALL REDGUARD TO BATHROOM FLOOR AND SHOWER & BATHTUB WALLS PRIOR TO TILE OR STONE

ELEVATION PRIOR TO ROUGH-IN. PROVIDE REQUIRED ELECTRICAL ROUGH-IN. FINISHED FLOOR. SEE SECTION 4.303 ON SHEET G1.0 FOR REQUIRED FIXTURE FLOW RATES. SHOWER TO BE PROVIDED WITH PRESSURE BALANCE OR THERMOSTATIC MIXING VALVE CONTROLS. OF BOX OF BOX AND PER DIMENSIONS SHOWN. CONSULT OWNER/PROJECT MANAGER FOR SHELF LOCATIONS PRIOR TO INSTALLATION. INSTALLATION.

INSTALL NEW TILE TO SHOWER & BATHTUB SURROUND. TILE @ SHOWER SURROUND & BATHTUB SURROUND TO CEILING. TRANSITION TILE 6-INCHES BEYOND • SHOWER ENCLOSURE GLASS PANEL. INSTALL NEW FLOORING & BASE

INSTALL NEW SAFETY GLASS SHOWER DOOR & ENCLOSURE. SHOWER DOOR SHALL OPEN TO MAINTAIN NOT • LESS THAN A 22-INCH UNOBSTRUCTED OPENING. • NEW PAINT; WALLS & CEILING - 1 COAT PRIMER, 2 COATS FINISH. FINISH MATERIALS -

SHOWER PAN - 100 SQ FT - INCLUDES 20% OVERAGE

SHOWER SURROUND - 276 SQ FT - INCLUDES 20% OVERAGE BATHROOM FLOOR - 100 SQ FT - INCLUDES 20% OVERAGE (INCLUDES FLOORING UNDER VANITY) BASE (INCLUDES BASE UNDER VANITY) - 34 LF - INCLUDES 20% OVERAGE

REMOVE (E)	WALLS A	S INDICATE	d in the	E DEMOLITI	ION PLAN.			
REMOVE (E)	ROOFING	MATERIAL	WHERE N	NEW ROOF	TIES INTO	THE	EXISTING	ROOF.
INSTALL NE	N DOORS	& WINDOWS	S AS IND	ICATED.				

LANDINGS @ EXTERIOR DOORS TO BE 36" MINIMUM IN THE DIRECTION OF TRAVEL, EQUAL OR GRATER IN WIDTH THAN THE DOOR OPENING, & NOT TO EXCEED 2% SLOPE AWAY FROM THE BUILDING. • LANDINGS FOR EGRESS DOORS SHALL BE NOT MORE THAN 7-3/4 INCHES LOWER THAN THE THRESHOLD FOR IN-SWINGING DOORS AND NOT MORE THAN 1-1/2 INCHES LOWER THAN THE THRESHOLD FOR OUT-SWINGING DOORS.

LANDINGS FOR OTHER EXTERIOR DOORS SHALL BE NOT MORE THAN 7-3/4 INCHES LOWER THAN THE THRESHOLD.

CRC REQUIREMENTS FOR FIRE/SMOKE & CARBONMONOXIDE ALARMS: THE 2019 CALIFORNIA RESIDENTIAL CODE REQUIRES THE INSTALLATION OF SMOKE ALARMS AND CARBON MONOXIDE ALARMS, IF THEY DO NOT ALREADY EXIST, WHEN RESIDENTIAL BUILDING PERMITS ARE ISSUED FOR ADDITIONS, ALTERATIONS OR REPAIRS THAT EXCEED \$1,000 IN VALUE. EXISTING SMOKE ALARMS OR COMBINATION SMOKE/CARBON MONOXIDE ALARMS MUST BE

- REPLACED ACCORDING TO THE FOLLOWING CRITERIA: • SMOKE ALARMS SHALL NOT REMAIN IN SERVICE LONGER THAN 10 YEARS FROM THE DATE OF MANUFACTURE, UNLESS OTHERWISE PROVIDED BY THE MANUFACTURER'S PUBLISHED INSTRUCTIONS.
- COMBINATION SMOKE/CARBON MONOXIDE ALARMS SHALL BE REPLACED WHEN THE END-OF-LIFE SIGNAL ACTIVATES OR 10 YEARS FROM THE DATE OF MANUFACTURE WHICHEVER COMES FIRST, UNLESS OTHERWISE PROVIDED BY THE MANUFACTURER'S PUBLISHED INSTRUCTIONS.
- SMOKE ALARMS OR COMBINATION SMOKE/CARBON MONOXIDE ALARMS WITHOUT PROOF OF MANUFACTURE DATE OR EXEMPTION OF REPLACEMENT REQUIREMENT VIA MANUFACTURERS PUBLISHED INSTRUCTIONS. MUST BE REPLACED.
- (N) SMOKE / FIRE ALARM. SMOKE ALARMS APPROVED AND LISTED BY THE STATE FIRE MÁRSHAL SHALL BE INSTALLED IN EACH SLEEPING ROOM, OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, AND ON EACH ADDITIONAL STORY AND LEVEL OF THE DWELLING. SMOKE ALARMS SHALL BE INSTALLED NOT LESS THAN 3 FEET HORIZONTALLY FROM A BATHROOM DOOR OR OPENING. ALARMS MAY BE SOLELY BATTERY OPERATED IN EXISTING BUILDINGS WHERE THE ALTERATIONS OR REPAIRS DO NOT RESULT IN THE REMOVAL OF INTERIOR WALLS OR CEILING FINISHES EXPOSING THE STRUCTURE, UNLESS THERE IS AN ATTIC. CRAWL SPACE OR BASEMENT AVAILABLE WHICH COULD PROVIDE ACCESS FOR BUILDING WIRING WITHOUT THE REMOVAL OF INTERIOR FINISHES. SMOKE ALARMS INSTALLED IN NEW CONSTRUCTION & LOCATIONS WHERE FINISHES ARE REMOVED, MUST RECEIEVE THEIR POWER FROM THE BUILDING WIRING. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED, THE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. EXCEPT WHERE ALTERATIONS OR REPAIRS DO NOT RESULT IN THE REMOVAL OF INTERIOR WALL OR CEILING FINISHES EXPOSING THE STRUCTURE, UNLESS THERE IS AN ATTIC. CRAWL SPACE OR BASEMENT AVAILABLE WHICH COULD PROVIDE ACCESS FOR INTERCONNECTION WITHOUT THE REMOVAL OF INTERIOR FINISHES. THE ALARM(S) SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED. 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. ANY SMOKE ALARM WITHIN 20 FEET OF A PERMANENTLY INSTALLED COOKING APPLIANCE SHALL BE THE IONIZATION OR PHOTOELECTRIC ALARM TYPE AND HAVE A MINIMUM SPACING OF 10 FEET AWAY. ALL SMOKE ALARMS MUST BE INSTALLED IN ACCORDANCE WITH SECTION R314 OF THE CALIFORNIA RESIDENTIAL CODE (CRC).
- (<u>N) CARBON MONOXIDE ALARM.</u> CARBON MONOXIDE ALARMS APPROVED AND LISTED BY THE STATE MARSHALL SHALL BE INSTALLED IN EXISTING DWELLINGS OR SLEEPING UNITS THAT HAVE ATTACHED GARAGES, FOSSIL FUEL-BURNING APPLIANCES OR FIREPLACES AS FOLLOWS: OUTSIDE EACH SEPARATE DWELLING UNIT SLEEPING AREA IN THE IMMEDIATE VICINITY OF BEDROOMS, ON EVERY LEVEL OF DWELLING UNIT INCLUDING BASEMENTS AND IN ANY BEDROOM WHERE A FUEL BURNING APPLIANCE IS LOCATED WITHIN THE BEDROOM OR ITS ATTACHED BATHROOM. IN EXISTING DWELLING UNITS, A CARBON MONOXIDE ALARM IS PERMITTED TO BE SOLELY BATTERY OPERATED WHERE REPAIRS OR ALTERATIONS DO NOT RESULT IN THE REMOVAL OF WALL AND CEILING FINISHES OR THERE IS NO ACCESS BY MEANS OF ATTIC, BASEMENT OR CRAWL SPACE. SMOKE ALARMS INSTALLED IN NEW CONSTRUCTION & LOCATIONS WHERE FINISHES ARE REMOVED, MUST RECEIEVE THEIR POWER FROM THE BUILDING WIRING. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVERCURRENT PROTECTION. WHERE MORE THAN ONE CARBON MONOXIDE ALARM IS REQUIRED TO BE INSTALLED, THE ALARMS SHALL BE INTERCONNECTED IN A MANNER THAT ACTIVATION OF ONE ALARM SHALL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT, EXCEPT WHERE REPAIRS DO NOT RESULT IN THE REMOVAL OF WALL AND CEILING FINISHES, THERE IS NO ACCESS BY MEANS OF ATTIC, BASEMENT OR CRAWL SPACE, AND NO PREVIOUS METHOD FOR INTERCONNECTION EXISTED. COMBINATION CARBON MONOXIDE AND SMOKE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF CARBON MONOXIDE ALARMS. ALL CARBON MONOXIDE ALARMS MUST BE INSTALLED IN ACCORDANCE WITH SECTION R315 OF THE CALIFORNIA RESIDENTIAL CODE (CRC).

	• RAIN	SHOWER HEAD
l		ER CABINET LIGHTING
	LINE	EAR DRAIN
	LED BACK	KLIT MIRROR
	🔶 (N) PENDANT	LIGHT
	X WALL SCC	NCE LIGHT FIXTURE
	SURFACE FIXTURE	MOUNTED LIGHT
	VA	NITY LIGHT
	O RECESSED	LIGHT
) SHOWER
	riangle shower he	AD
	(E) = EXISTING	
	(N) = NEW	
	(R) = RELOCAT	E
	(#) = INDICATE SURFACE T	S ELEVATION FROM O € OF FIXTURE
	HVAC R	EGISTER
	SPRINKLER	
	DISPOSAL	PRESSURE SWITCH
	THE POP-UP G	FCI RECEPTACLE
	W/LIGHT	EXHAUST FAN – FAN AND BE DUCTED TO TH SPECIFIED IN THE MEC MUST BE CONTROLLED CONTROL SHALL BE C/ RELATIVE HUMIDITY RA TO A MAXIMUM OF 800 MANUAL OR AUTOMATI CONTROL MAY BE A S EXHAUST FAN AND IS BUILT-IN). EXHAUST F SIZED ACCORDING TO [CEnC 150.0 (O)]. BAT RATED FOR SOUND AT A MINIMUM AIRFLOW SI NOT COMPLY.
	RX	REGISTER UNIT IDENTIF

 \mathbf{m}

• INSTALL NEW RECEPTACLES ON VANITY @ 8" TO € FROM VANITY SURFACE. CONFIRM MIRROR ELEVATION &

HOSE BIB

<u>] • • • • • • • [</u>	RAILING

	TEL/CABLE/DATA
_	

- T TIMER
- D DIMMER SWITCH S SWITCH
- 0 VACANCY SENSOR
- GFCI RECEPTACLE
- MICROWAVE RECEPTACLE
- ow(2) DISHWASHER/DISPOSAL RECEPTACLE
- GFCI RECEPTACLE W/WEATHERPROOF COVER
- RECEPTACLE W/USB PORT



THROOM EXHAUST FANS SHALL BE A MAXIMUM OF 3 SONE. FANS WITH ETTING EXCEEDING 400 CFM NEED

FIER



• LANDINGS @ EXTERIOR DOORS TO BE 36" MINIMUM IN THE DIRECTION OF TRAVEL, EQUAL OR GRATER IN WIDTH THAN THE DOOR OPENING, & NOT TO EXCEED 2% SLOPE AWAY FROM THE BUILDING. • LANDINGS FOR EGRESS DOORS SHALL BE NOT MORE THAN 7-3/4 INCHES LOWER THAN THE THRESHOLD FOR IN-SWINGING DOORS AND NOT MORE THAN 1-1/2 INCHES LOWER THAN THE THRESHOLD FOR OUT-SWINGING DOORS.

- LANDINGS FOR OTHER EXTERIOR DOORS SHALL BE NOT MORE THAN 7-3/4 INCHES LOWER THAN THE THRESHOLD. • HANDRAIL BETWEEN THE DIMENSIONS OF 34" & 38" REQUIRED ALONG ALL SLOPED SECTIONS OF STAIRS. • THE OUTSIDE DIAMETER OF A CIRCULAR HANDRAIL MAY BE NO LESS THAN 1-1/4 INCHES AND NO GREATER THAN 2 INCHES. A NON-CIRCULAR MUST HAVE A PERIMETER DIMENSION OF AT LEAST 4 INCHES AND NO GREATER THAN 6-1/4 INCHES. THE MAXIMUM CROSS SECTION IS 2-1/4 INCHES.
- HANDRAILS MAY PROJECT OVER THE STAIRS BY 4-1/2 INCHES MAXIMUM ON EACH SIDE OF THE STAIRWAY • HANDRAILS ATTACHED TO THE WALL MUST HAVE SPACE BETWEEN THE WALL AND THE RAIL OF AT LEAST 1-1/2 INCHES TO PROVIDE A GRASPABLE SURFACE. • HANDRAIL ATTACHED TO GUARDRAIL OR WALL MUST RETURN TO GUARDRAIL OR WALL AT EACH END.
- INSTALL SOLID BLOCKING AS NEEDED TO SUPPORT HANDRAIL CAPABLE OF WITHSTANDING A CONCENTRATED LOAD OF 200 POUNDS APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP.
- STAIR NOSING PROJECTION: ³/₄" MINIMUM, 1 ¹/₄" MAXIMUM.

STAIR DETAILS NOT TO SCALE

LEGEND: EXISTING TO REMAIN ETTER EXISTING WALLS & ITEMS TO BE REMOVED NEW 2X4 WALLS @ 16" O.C. INSTALL R-15 MIN INSULATION EXTERIOR WALLS. 888888888 NEW 2X6 WALLS @ 16" O.C. INSTALL R-21 MIN INSULATION @ EXTERIOR WALLS. CITI OVERHEAD CABINET, BEAM, ETC NEW 42" TALL WALL



A1.13

			tor						
08/05/22				y 					
08/30/22	2ND P								
09/15/22									
09/15/22									
	09/22/22 4TH PROGRESS SET								
	10/04/22 FLOOR PLAN PROGRESS & SET WINDOWS								
	DECEMBI	ER P	RO	GRE	SS	SET			
5/23/23 6/19/23 -	MAY F			SS :	SET				
7/21/23			REP						
3/5/24	PLANNI	SE	ET		5101				
REMODELING THE REMODELING									
	4	\bigcap							
۲ م م کے م	-112		Ϊ		Ŷ	112			
TER ITIO S DI	904-		ЕV	-967	S DF	904-			
1AS DD ROO)71-		Ц Ц	80-4	RO	946			
× N ≥ N = Ω N = Ω	70-C	NN	뿐) 33	C E R	, CA			
ROC SOC	N:0	Ó	HEA	(650	SC 0S	3AE			
OFF THI 27 L		~ ⊗ T	- H	7 L(NBF				
BA 42	REE			Ω	4	SEE			
	<u></u>		ЧО			<u>ט</u>			
	Drawi	ng By	y:						
<u>}</u>	Chris	Klime	n						
	klimen@	ðatt.r	net						
<u>~ </u>	PH: 510.9)28.1	359	2					
D	Project	/ U5,	∠02 #:	2					
Peter C.I.	nristn	Dhr	27	K1.	íпл	en			
	SIGNED BY PET	ER CHRIS	TOPHE	C KLIME	EN				
CONSTRUCTION NOTES									
A1.13									

MARK	STATUS	ROOM	WIDTH	HEIGHT	GLZ AREA (FT ²)	TYF	ЪЕ
A	NEW	BEDROOM 1	3'-0"	4'-0"	12.0	CASE	MENT
В	NEW	BEDROOM 1	3'-0"	4'-0"	12.0	CASE	MENT
С	NEW	BATHROOM 1	3'-0"	4'-0"	12.0	CASE	MENT
D	NEW	BATHROOM 1	5'-0"	2'-0"	10.0	AWN	ING
E	NEW	OFFICE	3'-0"	4'-0"	12.0	CASE	MENT
F	NEW	OFFICE	5'-0"	4'-0"	20.0	FIX	ED
G	NEW	OFFICE	3'-0"	4'-0"	12.0	CASE	MENT
	EXISTING	BEDROOM 1	1'-10"	4'-0"	7.3	CASE	MENT
	EXISTING	BEDROOM 1	2'-10"	4'-0"	11.3	CASE	MENT-
J	EXISTING	BEDROOM 1	2'-10"	4'-0"	11.3	CASE	HENT
- К	EXISTING	BATHROOM 1	2' 4 1/4"	3' 0 1/4"	7.1	SINGLE	HUNG
L	EXISTING	BATHROOM 2	2'-4 1/4"	3'-0 1/4"	7.1	SINGLE	HUNG
м	EXISTING	LIVING ROOM	2'-0"	5'-0"	10.0	CASE	MENT
N	EXISTING	LIVING ROOM	2'-0"	5'-0"	10.0	CASEI	MENT
0	EXISTING	DINING ROOM	6'-0"	5'-0"	30.0		IT/FIXED
P	EXISTING	KITCHEN	4'-0"	3'-0"	12.0	SLIE	
0	FXISTING	KITCHEN	4'-0"	1'-0"	4.0	SUI)FR
 R	FXISTING	NOOK	8'-0"	4'-0"	32.0	DOU	BLE
	EXISTING	BEDROOM 3	6'-0"	4'-0"	24.0		MENT
т	EXISTING	BEDROOM 3	8'_0"	4'-0"	32.0	CASEMEN	IT/FIXED
	EXISTING		0-0 2' 4"	4 – 0 2' e"	62	/CASE	
	EXISTING	EANILY BOOM	2-4	2-0	10.2		
			6-0	3-0	10.0		
	EXISTING	FAMILY ROOM	6-0	3'-0"	18.0	SLIL	
X	EXISTING	BATH 3	2'-4"	2'-8"	6.2	CASE	
Y	EXISTING		2'-4"	2'-8"	6.2	CASE	
Z	EXISTING	GARAGE	2'-4"	2'-8"	6.2	CASE	MENT
AA	EXISTING	GARAGE	2'-4"	2'-8"	6.2	CASE	MENT
BB	NEW	BATHROOM 1	4'-0"		###		
CC	NEW	BATHROOM 1	1'-6"		###		
DD	NEW	OFFICE	3'-0"		###		
EE	NEW	OFFICE	5'-0"		###		
FF	NEW	OFFICE	3'-0"		###		
GG	NEW	BATHROOM 1	1'-6"		###		
HH	EXISTING	BEDROOM 1	5'-6"	6'-6"	35.8	FIX	ED
II	EXISTING	BEDROOM 1	5'-6"	6'-6"	35.8	FIX	ED
JJ	EXISTING	BEDROOM 1	5'-6"	6'-6"	35.8	FIX	ED
KK	EXISTING	HALL	6'-6"	6'-6"	42.3	FIX	ED
LL	EXISTING	HALL	6'-6"	6'-6"	42.3	FIX	ED
ММ	EXISTING	LIVING ROOM	5'-6"	6'-6"	35.8	FIX	ED
NN	EXISTING	LIVING ROOM	5'-6"	6'-6"	35.8	FIX	ED
00	EXISTING	DINING ROOM	6'-6"	6'-6"	42.3	FIX	ED
PP	EXISTING	DINING ROOM	6'-6"	6'-6"	42.3	FIX	ED
MARK	STATUS	ROOM	WIDTH	HEIGHT	GLZ AREA (FT ²)	FINISH CODE	ΤY
1	NEW	BEDROOM 1	5'-0"	6'-8"			BI-F
2	NEW	BATHROOM 1	2'-6"	6'-8"			SW
3	NEW	OFFICE	6'-0"	6'-8"	40.0		SLIDING
4	EXISTING	ENTRY	5'-9 1/4"	7'-9 1/2"	45.0		SWING
5	EXISTING	KITCHEN	3'-0"	7'-0"	10.5		SW
6	EXISTING	BACK PATIO	6'-0"	7'-0"	42.0		SWING
7	EXISTING	FAMILY ROOM	6'-0"	6'-8"	40.0		SLIDING
8	EXISTING	FAMILY ROOM	6'-0"	6'-8"	40.0		SLIDING
_							
	SAFETY	BP BI- BF BI- SC SOL HC HOL 1HR 1HR W/S	PASS FOLD ID CORE LOW CORE RATED FI SELF CLOSI	RE DOOR ING HINGES AN INDIV	S 1DUAL I	T C E F S FIXED	T DS D T R S W OR C
	INCHES • WH • WH DO	ABOVE THE FLO ERE THE GLAZING ERE THE GLAZING OR.	OR OR WA G IS WITHIN G IS ON A	LKING SUF I 24 INCHE WALL LES	RFACE A ES OF E S THAN	ND IT ITHER 180	MEE SIDE DEGR

R.O. WIDTH	R.O. HEIGHT	HEADER	WINDOW COLOR -	/ SCHEDUL		MANUFACTURER	U-FACTOR	SHGC	NOTES
		псібпі		EATERIOR	COLOR				
									TEMPERED/SAFETY GLASS. COMPOSITE OR VINYL ONLY – WOOD NOT PERMITTED.
									TEMPERED/SAFETY GLASS
									TEMPERED/SAFETY GLASS
	\bigtriangleup	ЦF				NARE or			
PE R.O	WIDTH R.O.	HEIGHT HE	CIGHT INTE	ERIOR EXT			CTURER U-	FACTOR	SHGC NOTES
ASS									
GLASS									TEMPERED /SAFETY CLASS
									GLAZED DOOR PAIR
NG									لا المعنى الم
PAIR									GLAZED DOOR PAIR
GLASS									
GLASS OR									
ACING OR	DER. FOLL) Dw manuf	ACTURERS	R.O. DIME	NSIONS F	DR ALL DOOF	r & WINE	DOW OPE	NINGS
VERIF	Y U FACTO	R & SHG	CREQUIREN	MENTS IN	T-24 REP	ORT			
TEMPE	RED/SAFE	TY GLASS	S						
UVERF OBSCI	ILAD SECT JRE	UNAL		SH S	SINGLE HU	ASS DUUR NG			
EXISTI FRFNC	NG TO REM H DOOR	1AIN)BLH [VW 4	OUBLE HU Awning	JNG			
SWING			Ë	BISL E	BIDIRECTION	NAL SLIDER			
PERABLE	WINDOW PA	NEL PANE	L ADJACEN	NT TO A D	OOR WHEP	RE THE BOTT	OM EXPO	SED ED	GE OF THE GLAZING IS LESS THAN 60
IS EITHER OF THE I EES FROM	UF THE FO DOOR IN THE THE PLAN	ULLOWING HE PLANE E OF THE	OF THE DOOR IN	S: OOR IN A A CLOSED	CLOSED P POSITION	OSITION. AND WITHIN	24 INCH	ES OF T	THE HINGE SIDE OF AN IN-SWINGING

Revision History								
08/05/22 PROGRESS SET								
08/30/22 2ND PROGRESS SET								
09/15/22 3RD PROGRESS SET								
09/22/22 4TH PROGRESS SET								
10/04/22 FLOOR P	LAN PROGRESS & T WINDOWS							
12/27/22 DECEMBE								
5/23/23 MAY F								
6/19/23 - PLANN 7/21/23	ING SUBMISSION PREP							
02/20/24 - PLANNI 3/5/24	NG SUBMISSION SET							
CHORDENS CONSTRUCTION OF CONSTRUCTUON OF CONST								
OFFICE & MASTER BATHROOM ADDITION 427 LOS CERROS DR 326ENBRAE, CA 94904-1124 APN: 070-071-14 OWNER: APNID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR 327 LOS CERROS DR 328ENBRAE, CA 94904-1124								
Drawii	ng By:							
Chris ł	Klimen							
klimen@)att.net							
PH: 510.9	028.1359							
Date: JULY	7 05, 2022							
Peter Christm	Dher Klínapia							
DIGITALLY SIGNED BY PETE EMAIL=KLIMEN@ATT.NI	ER CHRISTOPHER KLIMEN ET DATE: 03/05/24							
DOOR & WINDOW SCHEDULE								
A1_14								



CERROS\427 LOS CERROS.dwg, 3/5/2024 8:40:05 AM, _AutoCAD PDF (General Documentation).pc3 D:\GREEN BAY\427 LOS

FOR LEGEND & DETAILS	Revision History	25'
	08/05/22 PROGRESS SET	
	08/30/22 2ND PROGRESS SET	
	09/15/22 3RD PROGRESS SET	
	09/22/22 4TH PROGRESS SET	
	10/04/22 FLOOR PLAN PROGRESS & SET WINDOWS	15,
	12/27/22 DECEMBER PROGRESS SET	I
	5/23/23 MAY PROGRESS SET	I
	6/19/23 - 7/21/23PLANNING SUBMISSION PREP	
	02/20/24 -PLANNING SUBMISSION3/5/24SET	
(F) ROOF PLAN	REMODELING INC.	OF WORK.
SCALE: 1/4"=1'-0"		TION
SLES	OFFICE & MASTER BATHROOM ADDITION 427 LOS CERROS DR 427 LOS CERROS DR APN: 070-071-14 APN: 070-071-14 OWNER: AVID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR 427 LOS CERROS DR REENBRAE, CA 94904-1124	ECT MANAGER PRIOR TO CONTINUAI
		/PR0
	Drawing By:	FTER,
	klimen@att.net	DRA
	PH: 510.928.1359	TACT
	Date: JULY 05, 2022	CON
	Project / Job #:	C TO
	DIGITALLY SIGNED BY PETER CHRISTOPHER KLIMEN EMAIL=KLIMEN@ATT.NET DATE: 03/05/24	C≺, G
	ROOF PLANS	DIMENSIONS IN FIELD. IN CASE OF DISCREPANO
(N) ROOF PLAN scale: 1/4"=1'-0"	A2.10	VERIFY ALL



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



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

SEE CONSTRUCTION NOTES FOR LEGEND & DETAILS

SECTION VIEW & CONSTRUCTION DETAILS



SECTION VIEW & CONSTRUCTION DETAILS



CONSTRUCTION DETAILS:

- NEW ROOF ASSEMBLY MEETS REQUIREMENTS UNDER SECTION R806.5 AS AN UNVENTED ROOF FRAMING ASSEMBLY; THE AMOUNTS OF PREFORMED RIGID OR SPRAY-IN INSULATION SPECIFIED READILY EXCEED THE REQUIRED AMOUNTS FOR CONDENSATION CONTROL. (R-5 FOR CLIMATE ZONE
- DÉTAILS SHOWN ARE TYPICAL TO ALL NEW CONSTRUCTION LOCATIONS. • (N) EXTERIOR WALL INSULATION TO BE R-21 MIN @ 2X6 WALLS & R-15 MIN @ 2X4 WALLS.
- (N) CEILING INSULATION @ CURVED AREAS TO BE COMBINATION OF CLOSED CELL SPRAY FOAM (UNDER ROOF DECKING) & RIGID POLYISOCYANURATE SHEET INSULATION (ABOVE ROOF DECKING), R-42 MIN.
- (N) CEILING INSULATION @ FLAT AREAS TO BE COMBINATION OF CLOSED CELL SPRAY FOAM (UNDER ROOF DECKING) & RIGID POLYISOCYANURATE SHEET INSULATION (ABOVE ROOF DECKING), R-30 MIN.
- (N) UNDER-FLOOR INSULATION TO BE R-38 MIN. INSTALL WITH NETTING OR INSULATION HANGERS. INSTALL LINEAR SOFFIT VENTS TO CARPORT SOFFIT WHERE INDICATED. DRILL HOLES THROUGH
- BLOCKING IN JOIST BAYS AS INDICATED. • WHERE SOFFIT VENTS ARE INSTALLED (OR JOIST BLOCKING), INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. NOT LESS THAN A 1-INCH SPACE SHALL BE PROVIDED BETWEEN THE
- INSULATION AND THE BLOCKING/VENT. • (N) ROOFING @ CURVED ROOF TO BE COMPOSITION OF CLASS "B" OR BETTER. COLOR TO MATCH ÈXÍSTING.
- UNDERLAYMENT FOR ASPHALT SHINGLES SHALL COMPLY WITH ASTM D226 TYPE I; ASTM D4869 TYPE I, II, III OR IV; ASTM D6757, AND SHALL BEAR A LABEL INDICATING COMPLIANCE TO THE STANDARD DESIGNATION. UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, DISTORTIONS IN THE UNDERLAYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL. END LAPS SHALL BE 4 INCHES AND SHALL BE OFFSET BY 6 FEET.
- NEW ROOFING @ LOW SLOPE AREAS TO BE TPO EPDM-060 MIL. PROVIDE SLOPE AS SPECIFIED BY
- ANY NEW WOOD FRAMING MEMBERS LESS THAN 8 INCHES FROM THE EXPOSED GROUND (2" FROM
- CONCRETE) SHALL BE PRESSURE TREATED LUMBER. • LANDINGS @ EXTERIOR DOORS TO BE 36" MINIMUM IN THE DIRECTION OF TRAVEL, EQUAL OR GRATER IN WIDTH THAN THE DOOR OPENING, & NOT TO EXCEED 2% SLOPE AWAY FROM THE
- BUILDING • LANDINGS FOR EGRESS DOORS SHALL BE NOT MORE THAN 7-3/4 INCHES LOWER THAN THE THRESHOLD FOR IN-SWINGING DOORS AND NOT MORE THAN 1-1/2 INCHES LOWER THAN THE
- THRESHOLD FOR OUT-SWINGING DOORS. • LANDINGS FOR OTHER EXTERIOR DOORS SHALL BE NOT MORE THAN 7-3/4 INCHES LOWER THAN THE THRESHOLD.

Revision History

08/05/22	PROGRESS SET
08/30/22	2ND PROGRESS SET
09/15/22	3RD PROGRESS SET
09/22/22	4TH PROGRESS SET
10/04/22	FLOOR PLAN PROGRESS & SET WINDOWS
12/27/22	DECEMBER PROGRESS SET
5/23/23	MAY PROGRESS SET
6/19/23 -	PLANNING SUBMISSION
7/21/23	PREP
02/20/24 -	PLANNING SUBMISSION
3/5/24	SET





A3.10

MANUFACTURER. SLOPE ROOF WITH RIGID INSULATION SUITABLE FOR ROOFING APPLICATION.



Revision History									
08/05/22	08/05/22 PROGRESS SET								
08/30/22	08/30/22 2ND PROGRESS SET								
09/15/22	09/15/22 3RD PROGRESS SET								
09/22/22	09/22/22 4TH PROGRESS SET								
10/04/22	10/04/22 FLOOR PLAN PROGRESS &								
12/27/22	DECEMB	ER PROGRESS SET							
5/23/23	MAY I	PROGRESS SET							
6/19/23 - 7/21/23	PLANN	ING SUBMISSION							
02/20/24 - 3/5/24	PLANN	ING SUBMISSION							
REMODELING AND									
OFFICE & MASTER BATHROOM ADDITION 427 LOS CERROS DR	OFFICE & MASTER BATHROOM ADDITION 427 LOS CERROS DR A27 LOS CERROS DR REENBRAE, CA 94904-1124 APN: 070-071-14 OWNER: AVID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR 427 LOS CERROS DR REENBRAE, CA 94904-1124								
	 Drawi	ing By:							
	Chris	Klimen							
	klimen@	Datt.net							
	PH: 510.9	928.1359							
	Project	/ Job #:							
Peter Cl Digitall EMAI	NYÍSTO y signed by pet il=klimen@att.n	PHER KLÍMEN ER CHRISTOPHER KLIMEN IET DATE: 03/05/24							
ELEVATIONS									
A	A4.10								

D:\GREEN BAY\427 LOS CERROS\427 LOS CERROS.dwg, 3/5/2024 8:40:00 AM, _AutoCAD PDF (General Documentation).pc3

F	Revisior	History		
08/05/22 PROGRESS SET				
08/30/22	2ND PROGRESS SET			
09/15/22	3RD PROGRESS SET			
09/22/22	4TH PROGRESS SET			
10/04/22	FLOOR PLAN PROGRESS &			
12/27/22	SET WINDOWS			
5/23/23	MAY PROGRESS SET			
6/19/23 -	PLANNING SUBMISSION			
02/20/24 -	PREP PLANNING SUBMISSION			
3/5/24 SET				
REMODELING AND				
OFFICE & MASTER BATHROOM ADDITION 427 LOS CFRROS DR	GREENBRAE, CA 94904-1124 APN: 070-071-14	OWNER: DAVID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR GREENBRAE, CA 94904-1124		
Drawing By:				
Chris Klimen				
klimen@att.net				
PH: 510.928.1359				
	Project	/ Job #:		
Peter C	Project / Job #: Peter Christopher Klimen			
DIGITALLY SIGNED BY PETER CHRISTOPHER KLIMEN EMAIL=KLIMEN@ATT.NET DATE: 03/05/24				
ELEVATIONS				
A4.11				

(N) ELEVATION FROM PLAN EAST scale: 1/4"=1'-0"

Σ \odot 00 0 () \Box

SEE CONSTRUCTIO

on notes for legend & details	
	09/15/22 200 PROGRESS SET
	10/04/22 FLOOR PLAN PROGRESS &
	SET WINDOWS 12/27/22
	5/23/23 MAY PROGRESS SET
	6/19/23 - PLANNING SUBMISSION
	02/20/24 - PLANNING SUBMISSION
	OFFICE & MASTER BATHROOM ADDITION 427 LOS CERROS DR GREENBRAE, CA 94904-1124 APN: 070-071-14 OWNER: DAVID & HEATHER HEWLETT PH - (650) 380-4967 427 LOS CERROS DR 427 LOS CERROS DR GREENBRAE, CA 94904-1124
	Drawing By:
	Chris Klimen
	PH: 510 928 1359
	Date: JULY 05, 2022
	Project / Job #:
	PETER CHRÍSTOPHER KLÍMEN DIGITALLY SIGNED BY PETER CHRISTOPHER KLIMEN
	EMAIL=KLIMEN@ATT.NET DATE: 03/05/24
	ELECTRICAL & MECHANICAL PLAN
TRICAL & MECHANICAL PLAN	EM1.10

PDF (General Documentation).pc3 AutoCAD CERROS\427 LOS CERROS.dwg, 3/5/2024 8:39:43 AM, D:\GREEN BAY\427 LOS

