

#### VICINITY MAP



#### PROJECT SITE

#### **APN MAP**



# SANDERS RESIDENCE

## **PROPOSED SIGNLE-FAMILY** 0 GUIBAL AVE. **GILROY, CA 95020**

## APPLICABLE CODE

i.	2019 CBC	CALIFORNIA BUILDING CODE
	2019 CRC	CALIFORNIA RESIDENTIAL CODE
5	2019 CEC	CALIFORNIA ELECTRICAL CODE
	2019 CPC	CALIFORNIA PLUMBING CODE
	2019 CMC	CALIFORNIA MECHANICAL CODE
	2019 CEnC	CALIFORNIA ENERGY CODE
	2019 CALG	CALIFORNIA GREEN BUILDING STANDARD CODE
	2010 ASCE	MINIMUM DESIGN LOADS FOR BUILDING
	2015 SDPWS \$	SPACEIAL DESIGN PROVISIONS FOR WIND & SEISM

#### SHEET INDEX

C1

-CS	COVER SHEET
A0.1	GENERAL NOTES
A0.2	RES.MANDATORY MEASURES
A0.3	RESIDENTIAL OCCUPANCIES CHECKLIST
A0.4	ARIEL VIEWPOINTS
A1.0	SITE PLAN
A1.1	PROPOSED FLOOR PLAN
A1.1a	PROPOSED FLOOR W/DIMENSIONS PLAN
A1.1b	POOL / ADU STRUCTURE'S
A1.2	PROPOSED ROOF PLAN
A2.1	BUILDING SECTIONS
A3.1	WALL SECTIONS
A4.1	PROPOSED BUILDING ELEVATIONS
A4.2	PROPOSED BUILDING ELEVATIONS

PRELIMINARY GRADING PLAN

#### SMIC

#### FIRE SPRINKLER STSYEM

**SCOPE OF WORK** 

#### CONTACTS

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e jer@jerdesigngroup.com

### **PROJECT INFORMATION**

PROPOSED PROJECT VACAN STRUCTURE SINGLE STORY ACCOMM., FOUR CAR. ADU S PREFAB STORAGE METAL ST	HOUSE APPROX. 5550 SF. WI TRUCTURE WITH POOL HOUS	APN#: ADDRESS: SITE AREA (ACRES): SITE NET ZINING FLOOD ZONE	835-11-017 0 GUIBLE AVE. GIL 217,830 SF ± (5 AC 158,447 SF ± (3.637 A-30 D	
			OCCUPANCY GROUP:	R3 AND U VB
<b>DEFERRED</b> FIRE SPRINKLER STSYEM	D SUBMITT	AL	PROPOSED MAIN BUILDING AREA: PROPOSED DETACHED GARAGE PROPOSED ADU STRUCTURE <u>PROPOSED PREFAB STRUCT.</u> TOTAL	5,550 SF.± 1,200 SF.± 1,200 SF.± <u>6,000 SF.±</u> 13,950 SF.±
CONTACTS	5		PROPOSED POOL CABANA REAR PORCH	1,000 SF.± 1,200 SF.±
OWNER RESIDENCE	DESIGNER	<u>CIVIL ENG.</u>	BUILDING HEIGHT:	1 STORY , 25'-0 ±
CHRISTOPHER & JANNEY SANDERS 716 GAGE CT. GILROY, CA. 95020 c408.623.3807	JER DESIGN GROUP 9711 HOPI LANE GILROY, CA. 95020 JOSE RAMA c 408-843-8067	JARDEN ENG. REBECCA LINDEMAN, PE c 303.517.8189 e Rebecca_jardon@outlook.com		

835-11-017
0 GUIBLE AVE. GILROY, CA 95020
217,830 SF ± (5 ACRE) 158,447 SF ± (3.637 ACRE) A-30 D
R3 AND U
<b>VB</b> 5 550 SE +

PLANI email: je 408.843.	er@jei	rdesign	SIGD-R group.cor	
APPEAF AND UN DESIGN USED W	RING I PUBL ER, A /ITHO	HEREIN ISHED ND MA UT THE	ARE THE WORK OF Y NOT BE	COPIED OR N CONSENT
CHRIS & JANNY SANDERS		0 GUIBAL AVE. GILROY CA. 95020	835-11-124	COVER SHEET
 MARK [	DATE	DES	CRIPTION	l 
PROJEC CAD DW DRAWN CHK'D E COPYRI	/G FIL BY: 3Y: GHT:	E: E:\A Ave\ Auth Che 2019 JER DE	ctive Proje Dwg's\Hou nor <sup>n.rvt</sup>	ct\0 Guibal ise Structure DUP
		-C	S	

PLN19-0196 201116

SHEET

### **ABBREVIATIONS**

A.B.         AUCH OR 55.1         C.A.         DEVALUATION         ISSUE         ISSUE AND AUXIONS         ISSUE AND AUXIONS         ISSUE AUXIONS <thissue auxions<="" th=""> <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<></thissue>								
A.F.S.         ARD/S. PROBED CONC.         F.P.         FEMALINE TABLE DATA         ATC.         INTERCISE	A	AMPERES	DR	DOOR	INCL.	"INCLUDE, INCLUSIVE"	R	F
A.G.         ABOVE FINGELE DATABLE         ELA         EVANABOVE         LA         EVANABOVE         LA         CAN         ABOVE         ABOVE <td>A.B.</td> <td>ANCHOR BOLT</td> <td>E.A.</td> <td>EXPANSION ANCHOR</td> <td>INSUL.</td> <td>INSULATION</td> <td>R.D.L.</td> <td>F</td>	A.B.	ANCHOR BOLT	E.A.	EXPANSION ANCHOR	INSUL.	INSULATION	R.D.L.	F
A.G.         ABOVE FINGELE DATABLE         ELA         EVANABOVE         LA         EVANABOVE         LA         CAN         ABOVE         ABOVE <td>A.F.F.</td> <td>ABOVE FINISHED FLOOR</td> <td>E.F.</td> <td>EXHAUST FAN</td> <td>INT.</td> <td>INTERIOR</td> <td>R.D.O.</td> <td>F</td>	A.F.F.	ABOVE FINISHED FLOOR	E.F.	EXHAUST FAN	INT.	INTERIOR	R.D.O.	F
ACC         AMC CONCIDENTIAL         E.N.         EAR WARD         OT         AURTION         ROW, M. WARD           AUG         ADDIVIDUALING TAME OF MEME         E.N.         Col.         Col.         ADDIVIDUALING STREED AND ALL AN								F
AGE         ADDRESS COURSE         E.W.         SACH WAY         ST         DOT         RES         I           ABE         ADVX         ADVX         CAL         CAL         T.         ODV         RES         I           ABE         ADVX         ADVX         CAL         CAL         CAL         CAL         ADVX         RES         I           ABE         ADVX         ELEVICE         ELEVICE         CAL         ADVX         RES         I         I         INCA         I         INCA         I         INCA         I         INCA         INCA         I         INCA								_
ABMCALPAN CONTREL-STYPENEFA.SACHACHADDADDEX SOVANGPAOPADDABSECTOC CONTRELATION CONTRELC.D.C.D.C.D.CONTRELATION CONTRELC.D.CONTRELATION CONTRELATION								-
AMC         AMC/PE         PI           ADD         ADD, SITC         ELC         ELC         ELC         PL								_
AGMASSET CONCENT NOASTFIFCTFIFCTFICT NC. FICT NC. P.C. NO.NUMBER OF THE STATEFICT NC. P.C. NO.FICT NC. P.C. NO.								
ACOUNTS         MENU         FIRM OF         PENUTOR         NO.         NUCCE CUT         PET         PET           ADD         ADD/INCER, CERLINGT, MERLING, CUCRA, METALLIC CUCNUT         LE.D.         LOCIT MARKADER, MET         PET         PEC/PECA, METALLIC CUCNUT         LE.D.         LOCIT MARKADER, MET         PET         PEC/PECA, METALLIC CUCNUT         LE.D.         LOCIT MARKADER, MET         PET         PECAPACA								F
ACO.         ADOM         ADOM         DIA         ELECTINGAL VERTALIC CONDUCT         LE.D.         LENT INCODE         FV.         N           ABO.         ABOVE GRADE         DAT         ELECTINGAL MERILIC CONDUCT         LD.         LARA TEXT         RA         IN           ABOVE GRADE         DAT         ELECTINGAL MON MERILIC CONDUCT         LD.         LARA MERILIC         RA         ADVAILAL         LUMANIA         SOL         IN           ANA         ALVAILAL         LUMANIA         CONTROL         CONTROL         CONTROL         SOL         IN           ANA         ALVAILAL         LUMANIA         SOL         CONTROL         CO	ACB	ASBESTOS-CEMENT BOARD	ELECT.	"ELECTRIC, ELECTRICAL"	KD	KILN DRIED	REQ'D.	F
ADD.     ADD/TION & ADDRAFUM     OFT     ELECTRICAL METALUC TUBINO     LFT.     LIBRATEST     PRIM     IM       AUU     ANTINOCERADO     CAL     ECAULAL DAWN ETALLETUBINO     LAN     LANDARA     S.C.     IN       AUU     ANTINOCERADURIT     CO     COUNT     LANDARA     LANDARA     ANTINOCERADURIT     LANDARA     ANTINOCERADURIT     IN     LIBRATINO     S.C.     IN       ANTINO     ANTINOCERADURIT     LANDARA     LIBRATINO     LIBRATINO     S.C.     IN     LIBRATINO     S.C.     IN       ANTINO     ANTINO     CAUNARA     PANARA     IN     LIBRATINO     S.C.     IN     LIBRATINO     S.C.     IN       ANTINO     ANTINO     CAUNARA     CAUNARA     IN     LIBRATINO     S.C.     IN     S.C.     IN     S.C.     S.C. </td <td>ACOU.</td> <td>ACOUSTIC</td> <td>ELEV.</td> <td>ELEVATOR</td> <td>КО</td> <td>KNOCK OUT</td> <td>RET.</td> <td>F</td>	ACOU.	ACOUSTIC	ELEV.	ELEVATOR	КО	KNOCK OUT	RET.	F
AGO         AROVE CRACE         ENT         ELECTRICAL KOMMETALLE FUBING         MAIL         Markmollar Number         Num         Num           ALI         ALI LENNING         STALL         ALI MAILAL         ALI MAILAL         STALL         ALI MAILAL         ALI MAILAL </td <td>ACT</td> <td>ACOUSTICAL CEILING TILE</td> <td>EMC</td> <td>ELECTRICAL METALLIC CONDUIT</td> <td>L.E.D.</td> <td>LIGHT EMITTING DIODE</td> <td>REV.</td> <td>F</td>	ACT	ACOUSTICAL CEILING TILE	EMC	ELECTRICAL METALLIC CONDUIT	L.E.D.	LIGHT EMITTING DIODE	REV.	F
AGO         AROVE CRACE         ENT         ELECTRICAL KOMMETALLE FUBING         MAIL         Markmollar Number         Num         Num           ALI         ALI LENNING         STALL         ALI MAILAL         ALI MAILAL         STALL         ALI MAILAL         ALI MAILAL </td <td>ADD.</td> <td>ADDITION or ADDENDUM</td> <td>EMT</td> <td>ELECTRICAL METALLIC TUBING</td> <td>L.FT.</td> <td>LINEAR FEET</td> <td>RM</td> <td>F</td>	ADD.	ADDITION or ADDENDUM	EMT	ELECTRICAL METALLIC TUBING	L.FT.	LINEAR FEET	RM	F
API         API NAMELIGUE VIET         DATE         LATE         LATE <thlate< th=""> <thlate< th=""> <thlate< th=""></thlate<></thlate<></thlate<>								F
AL, ar ALM         AUMAMENT         EDUP.         EDUP.         EDUP.         IVA         LAVADY         EVADORA         IVA         LAVADY         STANDARD         IVA         IVA         AND								S
ALT.         ALT.         ALT.         ALT.         EST.         EST. <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></th<>								-
ANH.         ANNEALED         FVAP         FVAPORATIVE COLOR IF         IN         INARA         SIA         SIA           ANG         AMERAGE         EXC         EXCANTE         LT         UDIT         SIG         I           ANG         MERCHAWINE (ALORE         EXC         EXCANTE         MA         MAHOLINE         SIG         I           AND         MONDARY NALING         FA         INTERNAMINE         MA         MAHOLINE         SIG         I         INTERNAMINE         MA         MAHOLINE         SIG         INTERNAMINE         SIG         INTERNAMINE         SIG         INTERNAMINE         MAHOLINE         SIG								-
ASPHA_T         FVC         FECTER CIPENNOS COLER         LINO         INFOLIAM         SR           ANG         AVERAGE         EXC         EXXAVTE         LT         UGET         SC         SC           ANG         AVERAGE         EXEL         EXEL         EXEL         SC         SC <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>								-
AVG         MERAGE         EXC         EXCAVITE         LT         UDIT         SC         I           AVG         ANGLE         EXCAVITE         CL         LOTTAGE         EVENT         SCHED								5
AME         AMERICAL WINE GAUGE         DNA         PANAUST         LTG.         LUCHTING         SOMED         SOMED           8.M.         BERCH MARK         EXT         FXT NF         FXTRING         I.V.         LANAUNTER SOLF         SSE           8.M.         BOLMARKAR         EXT         EXTERIOR         M.B.         MACONINE BOLT         SSE           8.M.         DATOMO /F PEODTING         F.G.         FADORAR MANTH         M.B.         MACONINE BOLT         SSE           8.0.0         DATOTOMO /F PEODTING         F.G.         FADORAR MANTH         M.A.         MARCONINE SALE         SSE           8.0.0         DATOTOMO /F PEODTING         F.G.         FADORAR MANTH         MAR         MARCONINY         SSE           8.0.0         DATOTOMO /F PEODTING         F.F.         FIRE FXTINGUISHER         MAR         MARCONINY         SSE           8.0.0         TATOTOMO /F PEODTING         F.F.         FIRE FXTINGUISHER         MAR         MARCONINCAL         SSE           8.0.0         TATOTOMO /F PEODTING         F.F.         FIRE FXTINGUISHER         MAR         MARCONINCAL         SSE           8.0.0         TATOTOMO /F PADOTOM         MAR         MARCONINCAL         SSE         ST         ST	ASPH.	ASPHALT	EWC	ELECTRIC DRINKING COOLER	LINO.	LINOLEUM		5
Á.         NAME         EXET         EXETANCE         LV.         LUMANATE OFACELUMER         SECT         SEC	AVG	AVERAGE	EXC	EXCAVATE	LT.	LIGHT	SC	8
mm         BIN         BINL         BOLVARY MALING         F.A.         FIRE ALARM         M.H.         MACHINE BOLT         SES           B.O.         ACTTOM OF FORM         F.G.         F.N. COB         M.I.         MALI FAIL FIREN         SINTEL           B.O.         BOTTOM OF FORTMOR         F.G.         F.R.O.OR CLAN OT         M.O.         MACHINE REN.         SINTEL           B.O.         BOLTOW F.F.O.         F.G.O.         FLOOR CLAN OT         M.O.         MARAL         MARAL         SINTEL         SINTEL           B.O.         BULTUP         F.E.         FIRE CHINAUSHER         M.A.         MARAL         MARAL         MARAL         MARAL         SINTEL           B.O.         BURGE         F.S.         FLOOR SIK         MECH         MARAL         MARAL         SINTEL	AWG	AMERICAN WIRE GAUGE	EXH.	EXHAUST	LTG.	LIGHTING	SCHED.	5
mm         BIN         BINL         BOLVARY MALING         F.A.         FIRE ALARM         M.H.         MACHINE BOLT         SES           B.O.         ACTTOM OF FORM         F.G.         F.N. COB         M.I.         MALI FAIL FIREN         SINTEL           B.O.         BOTTOM OF FORTMOR         F.G.         F.R.O.OR CLAN OT         M.O.         MACHINE REN.         SINTEL           B.O.         BOLTOW F.F.O.         F.G.O.         FLOOR CLAN OT         M.O.         MARAL         MARAL         SINTEL         SINTEL           B.O.         BULTUP         F.E.         FIRE CHINAUSHER         M.A.         MARAL         MARAL         MARAL         MARAL         SINTEL           B.O.         BURGE         F.S.         FLOOR SIK         MECH         MARAL         MARAL         SINTEL	X	ANGLE	EXIST. or E	EXISTING	LVL	LAMINATED VENEER LUMBER	SECT.	S
B.N.BOUNDARY NALINGF.A.F.R.E. ALARMM.H.MAINDLESINCE<						-		s
BO.T.         BOTTOM OF         F.C.         FAN COL         M.L.         MALLEABLE RON         SPTC.         SPTC.           B.D.F.         BOTTOM OF FORMS         F.C.         F.C.OR CLEANUT         M.O.         MARCH STORMS         SPL.           B.U.         BULTUP         F.C.         F.C.OR CLEANUT         MAR.         MARCH STORMS         SPL.           B.U.         BOLTOM OF COURS         F.E.         FREXINGUERER         MAR.         MARCH MARCH STORMS         SPL.           B.G.G.         BALONG         F.A.         FELD NALING         MAT.         MARCH MARCH STORMS         SPL.           B.G.G.         BALONG         F.A.         FELD NALING         MAR.         MARCH MARCH STORMS         SPL.           B.G.G.         BALONG         F.G.         FACE OF         MARCH CONTROL FAMEL         MARCH MARCH MARCH STORMS         SPL.           B.M.         BEAM         F.A.         FAREFARS         MEG.         MARCH								5
B.O.F.         BOTOMO FPOOTNOS         F.C.O.         FLOOR ILGAN UT         M.O.         MASONRY DENNIS         SNL         SNL           B.U.         BLUT UP         F.D.         FLOOR IDGAN UNAN         MAR.         MARELE         SPA.         1           B.C.         BACK OF CUBB         F.E.         FIRE EXTINUISHER         MAR.         MASONRY         SPECS								
BUL         BUL         UP         F.D.         FLOOR DRAIN         MAR.         MARSLE         SPA           BC         BACK OF CUBB         F.E         FIRE EXTINUUSER         MAS.         MASORW         SPCCS         I           BLD         BOLDRIG         F.O.         FACE OF         MAX.         MAXMMM         SD.FT.         I           BLK         BLOORING         F.O.         FACE OF         MAX.         MAXMMM         SD.FT.         I           BLK         BLOORING         F.IS         FLEORSINK         MED.         MED.MINING         ST.C.         I           BLK         BLOORING         F.IS         FLEORASS         MED.         MANUFACTURING         ST.C.         I           BLK         BLOORING         F.IS         FLEORASTREE         MAG.         MANUFACTURING         SW.F.         I         I         I         ST.C.         I         I         SUSP.         I         I         I         SUSP.         I         SUSP.								-
BC         BACK OF QUB         F.E.         FIRE EXTINUUSHER         MAX         MARDNRY         SPEC           BLD         BOLDING         F.O.         FACE OF         MAX         MAXIMUM         SQ.FT.         I           BLK         BLCOK         F.S.         FLOOR SINK         MECH.         MECHANICAL         SQ. IN.         I           BLK         BLCOKIN         F.S.         FLOOR SINK         MECH.         MECHANICAL         SG. IN.         I           BLK         BLCOKINO         F.G.         FIRE ALARA CONTROL PANEL         MER.         MAULACTURINO.         STC.         I           BLR         BRASS         FACP         FIRE ALARA CONTROL PANEL         MER.         MAULACTURINO.         STC.         I           BLR         BRASS         FACP         FIRE ALARA CONTROL PANEL         MER.         MAULACTURINO.         STC.         I         I         STC.         I         I         I         STC.         I         I         STC.         I <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>S</td>								S
BD.G         BDAND         F.N.         FELD NALING         MAY.         MATERIAL         SPRIC         SPRIC           BLGG         BLLONIG         F.O.         FACE GF         MAX.         MAXIMUM         SO, FT.         SO, FT.           BLK.G         BLOCKING         F.G.         FIELOR SINK         MED.         MEDIM         STC.         STC. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>S</td>								S
BLDD         BULDING         FACE OF         MAX         MAXMUM         SP, 1           BLK         BLOCK         FS         FLOOR SINK         MECH.         MECHANICAL         SO, N.         STD.         STD		BACK OF CURB	ļ	FIRE EXTINGUISHER	MAS.			S
BLKO         BLOOK         FGO         FIGURE SINK         MECH         MECHANICAL         SQ.N           BLKO         BLOOKINO         FG         FIBERGLASS         MED         MADULACTURING         STD.         I           BN         BRASS         FACP         FIRE ALARM CONTROL PANEL         MAR         MANUFACTURING         STD.         I           BRS         BRANS         FIC         FIRE ALARM CONTROL PANEL         MANUFACTURING         SUSP.         I           BRS         BRONZE         FDN.         FOUNDATON         MISC.         MINDLM         SUSP.         I           C.AP.         CONCRETASSESTOS PIE         FID.         FINE HARM CONTROL         MISC.         MINDLM         MISC.         MINDLA         SVA         I           C.J.         CONTROL JONT         FLO         FINE FINOR         NIL         MULL         MULLAN         TAG         I           C.J.         CONTROL JONT         FLO         FINE FINOR         NIL         NOT NO SCALE         TAG         I           C.J.         CONTROL JONT         FLO         FINE FINOR         NIL         NOT NO SCALE         TAG         I           C.J.         CONTROL JONT         FLO         FINE FINOR	BD.	BOARD	F.N.	FIELD NAILING	MAT'L	MATERIAL	SPKR.	S
BLKO         BLOOK         FGO         FIGURE SINK         MECH         MECHANICAL         SQ.N           BLKO         BLOOKINO         FG         FIBERGLASS         MED         MADULACTURING         STD.         I           BN         BRASS         FACP         FIRE ALARM CONTROL PANEL         MAR         MANUFACTURING         STD.         I           BRS         BRANS         FIC         FIRE ALARM CONTROL PANEL         MANUFACTURING         SUSP.         I           BRS         BRONZE         FDN.         FOUNDATON         MISC.         MINDLM         SUSP.         I           C.AP.         CONCRETASSESTOS PIE         FID.         FINE HARM CONTROL         MISC.         MINDLM         MISC.         MINDLA         SVA         I           C.J.         CONTROL JONT         FLO         FINE FINOR         NIL         MULL         MULLAN         TAG         I           C.J.         CONTROL JONT         FLO         FINE FINOR         NIL         NOT NO SCALE         TAG         I           C.J.         CONTROL JONT         FLO         FINE FINOR         NIL         NOT NO SCALE         TAG         I           C.J.         CONTROL JONT         FLO         FINE FINOR	BLDG	BUILDING	F.O.	FACE OF	MAX.	MAXIMUM	SQ. FT.	s
BLKG.         BLOCKING         PFG         FIREDLARS         MED.         MEDUM         STC.         I           BM         BEAM         FAB.         FABRICATCD.         MFG.         MANUFACTURENG         STL.         I           BR         BEARING         FAD.         FREDEPARTMENT CONNECTION         MNN.         MINIMUM         SUP.         I           BRO.         BEARING         FDC         FREDEPARTMENT CONNECTION         MNN.         MINIMUM         SUP.         I           CAP.         CONCRETE ASBETOS PIPE         FIN.         FIRE HOSE CONNET         MOD         MODULAR         SYM.         I           C.J.         CONTROLIOND DOCUMENTS         FIN.         FIREHOSE CONNET         NIT.         MODULAR         SYM.         I           C.J.         CONTROLIONT         FL.         FLOOR         MULL         MULL         MULL         NULL         I<			ļ					s
BM         BFAM         FAR         FAREALF         MANUFACTURING         STL         I           BR         BRASS         FACP         FIRE ALARM CONTROL PAVEL         MRR.         MANUFACTURING         SUEP.         I           BRS         BRONZE         FON         FIRE DEPARTMENT CONTROL TAVEL         MRR.         MANUFACTURER         SVE.         I           CAP.         CONCRETLASBESTOS PIEP         FIO.         FIRE INSTRUCT         MOD         MODULAR         SVM.         I           C.D.         CONSTRUCT.OD DOLIMENTS         FIN.         FIRIS FIGURA         MTL.         MITL.         MITL.         SVE.         I           C.J.         CONTROL.JONT         FIG.         FLOOR         MUL.         MULLIN         TAS.         SVE.         I           C.J.         CONTROL.JONT         FIG.         FLOOR         NUL.         MULLIN         TAS.         TAS.         TAS.           C.J.         CORMOTT         FIG.         FLOORNA         NO.         NUL.         NON-CORROSVERTEL         TO.         TAS.           C.J.         CORMOTT         FLOR         FLORNA         NO.         NUL.         NON-CORROSVERTEL         TO.         TO.         CO.         TAS.								S
BR         BRASS         FACP         FIRE LARMA CONTROL PANEL         MRR.         MAUFACTURER         STL         STL           BRG         BEARING         FDC         FRE DEPARTIENT CONNECTION         MIN         MINULUM         SUBP           BRZ         BRONZE         FDN         FOUNDATION         MINC         MISCL         MISCL         MINULUM         SVB           CAP.         CONCRETE ASSESTOS PIPE         FIL         PIRE LOSE CAINET         MOD         MODULAR         SVM         1           C.J.         CONSTRUCTION DOCUMENTS         FIN         FIRE IDSE CAINET         MIL         MILL         MULL         MULL         SVS.         1           C.J.         CONTOLUJONT         FLG.         FLOOR         MUL         MULL         MULL         MULL         TO.         C           C.A.         CARNOT         FLUOR         FLUORESCENT         N.T.S.         NOT FOR CONSTRUCTION         TO.         C           C.A.         CABINET         FUR         FRE PROFO         N.CM.         NOL         NOT FOR CONSTRUCTION         TO.         C           C.G.         CLEAN OT         FUR.         FURNINF         RANO         NAL         NAL         NAL         NAL			ļ					
BRG.         BEARING         FDC.         FRE DEPARTMENT CONNECTION         MINU         MINUM         SUP.         SUP.           BRZ         BRONZE         FON         FONNDATON         MISC.         MISC.ELARCOUS         SW         I           CA.P.         CONCERTE ASSESTOS PIPE         FIC         FIREHOSE CASINET         MOD         MODULAR         SYS         I           C.D.         CONSTRUCT.DONCUMENTS         FIL         FLOOR         MUL         MULLON         METAL         SYS         I           C.J.         CONTROL.JONT         FLG         FLOOR         NUL         MULLON         TO O         I           C.J.         CONTROL.JONT         FLG         FLOOR         NLR         NOT IC ONTRACT.         TO.           C.J.         CONTROL.JONT         FLG         FLOOR         NCM         NONCORROFSY METAL         TO.           C.G.         CERANIC TE.LE         FP         FIRE PROOF         NCM         NONCORROFSY METAL         TO.           C.G.         CABINET         FUR.         FURNINE         NL         NLMERT         TO.           C.G.         CABINET         FUR         FUNNINE         NLME         NUL         NUL         NUL         NUL								
BRC.NZE         FON         FOUNDATION         MISC.         MISCELLANEOUS         SW           C.A.P.         CONCRETE ASSETSOP IPE         FILE         FILE CAST.         MOD         MODULAR         SYM         I           C.D.         CONCRETE ASSETSOP IPE         FIL         FILE CAST.         MTL.         METAL         SYM         I           C.D.         CONSTRUCTION DOCUMENTS         FIL         FLOOR         MUL.         MULIUNON         T&         G           C.J.         CONTROLONT         FLG         FLOOR         MUL.         MULIUNON         T&         G           C.G.         CLEMA OUT         FUGR         FLOOR         NGM         NOT CONTRACT         T.B.           C.A.         CABINET         FUG         FUGR         FLOOR         NGM         NON CORROBINE METAL         T.O.           C.A.         CABINET         FUG.         FOCTING         N.G.         NUMBER         T.O.         D.G.           C.M.         CABINET         FUG.         FOCTING         N.G.         NUMBER         T.O.         D.G.           C.M.         CEMANC         GAL         GALVANZED IRON         N.G.         NUMBER         T.O.         D.G.								
CAP.         CONCRET ASSESTOS PIPE         FHC         FIRE HOSE CABINET         MOD         MODULAR         SYM         SYM           C.D.         CONSTRUCTON DOCUMENTS         FIN.         FINISH         MLL         MULLUON         T&G           C.J.         CONTROL JONDT         FLG         FLOOR         NUL         MULLUON         T&G           C.J.         CONTROL JONDT         FLG         FLOOR         NUL         NOT TO SCALE         T&B           C.O.         CLEMAN OUT         FLUOR         FLUORESCENT         N.T.S.         NOT TO SCALE         T.M.B.           C.T.         CERMIC TLE         FP         FIRE PROPE         NOM         NOM-NORROSIVE METAL         T.O.           CAM         CAMERER         FURN         FURNISH         N.R.         NALEER         T.O.           CEM         CORMET         GALVANZED IRON         NO         NUMBER         T.O.         T.O.           CEM         CEMENT         GAL         GALVANZED         NEC         NO         NUMBER         T.O.           CEM         CERMIC         GAL         GALVANZED         NEC         NO         NUMBER         T.O.           CONT SECREVER         GE         GALVANZED <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></td<>								-
CD.         CONSTRUCTION DOCUMENTS         FIN.         FIN.         FIN.         MTL.         METAL         SYS.         1           C.I.P.         CAST NPLACE         FL         FLOORING         MUL         MULLON         T& 6         G           C.J.         CONTROL JOINT         FLUG         FLOORING         N.I.C.         NOT N CONTRACT         T.B.           C.O.         CLEAN OUT         FLUG         FLOORING         N.T.         NOT SOCALE         T.B.           C.O.         CLEAN OUT         FLUG         FLOORING         NOT.         NON-CORROBE METAL         T.O.           CAB.         CERAMIC TLE         FP         FIBE PROOF         NOM.         NOMER CONSTRUCTION         T.O. B.           CAM.         CAMBER         FURN.         FURNSH         NUR.         NAILER         T.O.           CAM.         CAMBER         GL         GALVANZED IRON         NO.         NUMBER         T.O.           CAT         CLOSED CIRCUIT TREAVER         GL         GALVANZED IRON         NO.         NUMBER         T.O.M.           CAT         CALC         CARMER         GL         GALVANZED IRON         NO.         NUMBER         T.O.M.           CAT         CALVANZED <td></td> <td></td> <td>ļ</td> <td>FOUNDATION</td> <td>MISC.</td> <td>MISCELLANEOUS</td> <td></td> <td>S</td>			ļ	FOUNDATION	MISC.	MISCELLANEOUS		S
CLF.         CAST IN PLACE         FL         FLOOR         MUL         MULLION         T & G           CJ         CONTROL JOINT         FL         FLOOR         NIC.         NOT IN CONTRACT         T.B.           CJ         CONTROL JOINT         FLUOR         FLUORESCENT         N.S.         NOT TO SCALE         T.M.B.           C.T.         CERAMIC TILE         FP         FIRE PROOF         N.C.         NOT TO SCALE         T.O.           CAB         CAMBER         FIG.         FOOTING         N.C.         NOM-CORROSIVE METAL         T.O.           CAM         CAMBER         FURN         FURN METANAL DURING         N.R.         NALER         T.O.C.           COTV         CLOSED CRUIT TELEVISION         G.I.         GALVANIZED         O.C.         ON CENTRE         T.O.M.           CER         CERAMIC         GAL         GAUGE         NOM.         NOMINAL         T.O.         T.O.M.           CIF         CERAMIC         GAL         GAUADIZAL         CRUIT INTERRUPTER         O.D.         OUTSIDE DAMETER         T.O.M.           COT         CUBIC DET PER MINITE         GAR         GARAGE         O.C.         ON CENTREL         T.O.M.         T.O.M.           CAT. GR	C.A.P.	CONCRETE ASBESTOS PIPE	FHC	FIRE HOSE CABINET	MOD	MODULAR	SYM	S
C.J.         CONTROL JOINT         FLG.         FLOORNG         N.C.         NOT IN CONTRACT         T.B.         T           C.O.         CLEAN OUT         FLUORNE         FLUORNE         N.C.         NOT IN CONTRACT         T.B.         T         M.B.           C.T.         CERAMICTILE         FP         FIRE PROOF         NCM         NOM-ORROSIVE METAL         T.O.           CAB         CABINET         FJG.         FOOTING         NEC         NCM         NOM-ORROSIVE METAL         T.O.           CAM.         CAMMERT         FURN         FURNISH         NLR.         NALER         T.O.         T.O.           CCTV         CLOSED CIRCUIT TELEVISION         G.I.         GALVANIZED RON         NO.         NUMBER         T.O.         T.O.           CER         CERMENT         GA         GAUGE         NO.         NUMBER         T.O.         T.O.           CEM         CEMENT         GA         GAUGE         O.         OUTSIDE DIAMETER         T.O.         T.O.           CEM         CERMIC         GAL         GAUANIZED REGID         O.         OUTSIDE DIAMETER         T.O.         T.O.           CEM         CERMENT         GAL         GAUANIZED REGID         OL	C.D.	CONSTRUCTION DOCUMENTS	FIN.	FINISH	MTL.	METAL	SYS.	S
C.J.         CONTROL JOINT         FLG.         FLOORNG         N.C.         NOT IN CONTRACT         T.B.         T           C.O.         CLEAN OUT         FLUORNE         FLUORNE         N.C.         NOT IN CONTRACT         T.B.         T         M.B.           C.T.         CERAMICTILE         FP         FIRE PROOF         NCM         NOM-ORROSIVE METAL         T.O.           CAB         CABINET         FJG.         FOOTING         NEC         NCM         NOM-ORROSIVE METAL         T.O.           CAM.         CAMMERT         FURN         FURNISH         NLR.         NALER         T.O.         T.O.           CCTV         CLOSED CIRCUIT TELEVISION         G.I.         GALVANIZED RON         NO.         NUMBER         T.O.         T.O.           CER         CERMENT         GA         GAUGE         NO.         NUMBER         T.O.         T.O.           CEM         CEMENT         GA         GAUGE         O.         OUTSIDE DIAMETER         T.O.         T.O.           CEM         CERMIC         GAL         GAUANIZED REGID         O.         OUTSIDE DIAMETER         T.O.         T.O.           CEM         CERMENT         GAL         GAUANIZED REGID         OL	C.I.P.	CAST IN PLACE	FL	FLOOR	MUL	MULLION	T&G	Т
C.O.         CLEANUDT         FLUOR         FLUORESCENT         N.T.S.         NOT TO SCALE         T.M.B.           C.T.         CERAMIC TILE         FP         FIRE PROOF         NCM         NON-CORROSIVE METAL         T.O.           CAB         CARMET         FTG.         FOOTING         NCG         NOT FOR CONSTRUCTION         T.O.S.           CAM.         CAMBER         FURN         FURN         RUR         NALER         NOT.OR CONSTRUCTION         T.O.S.           CCTV         CLOBED CIRCUT TELEVISION         G.I.         GALVANZED         NO.         NUMMER         T.O.F.           CER         CERMINC         GAL         GALVANZED         NO.         NUMMER         T.O.M.           CER         CERMINT         GAL         GALVANZED         O.C.         ON CENTRER         T.O.M.           CER         CERMINT         GAL         GALVANZED         O.C.         ON CENTRER         T.O.M.           CLR         CERMINT         GAL         GALVANZED         O.C.         ON CENTRANCE         T.O.M.           CLR         CLR         CLR         GALXANZED         GALVANZED         O.D.         OUTSIDE FADIUS         T.V.           CLC         CENTERLIE         GAL			ļ					T
CT.         CERAMIC TILE         FP         FIRE PROOF         NCM         NON-CORROSING METAL         T.O.         I           CAB         CABNET         FIG         FOCINIG         NPC         NOT FOR CONSTRUCTION         T.O.E.         I           CAM         CAMBER         FURN.         FURNISH         NLR.         NALER         NALER         T.O.C.         I           CCM.         COMENT         GA.         GAUGE         NOM.         NOMENAL         T.O.J.         I           CEM.         CERMIC         GALV.         GALVANIZED         O.C.         ON CENTER         T.O.M.         I           CH         CLIGCTEET PER NINUTE         GAR         GARAGE         O.D.         OUTSIDE DIAMETER         T.O.M.         I           CH         CLIGCTEET PER NINUTE         GAC         GARAGE         O.D.         OUTSIDE DIAMETER         T.O.M.         I           CH         CLIGCTEET PER NINUTE         GAL         GALVANIZED         O.D.         OUTSIDE DIAMETER         T.O.M.         I           CH         CLIGCTE CHARKER         GFL         GROUND FAULT INTERUPTER         O.H.         OVTSIDE ADIAMETER         T.O.M.         I           CLIGCTC         CERURUREARER         GL								+ T
CABINET         FTG.         FOOTING         NFG         NOTFOR CONSTRUCTION         TO B.           CAM         CAMBER         FUR.         FURNISH         NUR.         NAILER         TO C.         TO C.           CCTV         CLOSED CIRCUIT TELEVISION         G.I.         GALVANIZED IRON         NO.         NUMBER         T.O.F.         T           CEM         CEMENT         GA.         GAUSE         NOM.         NOMINAL         T.O.J.         T           CER         CERMIC         GALV.         GALVANIZED         O.C.         ON CENTER         T.O.M.         T           CHO         CHANNEL         GFL         GROUND FAULT CIRCUIT INTERRUPTER         O.L.         OVER HANG         T.O.W.         T           CL or C.         CENTERLINE         GL         GASS         O.R.         OUTSIDE ANNEATAL IRON         T.S.         T           CLG.         CLUSE         CAULKING         GL         GASS         O.R.         OUTSIDE ANNEATAL IRON         T         T         T           CLG.         CAUSET         GM         GATE VALVE         OPNG         OPOSITE         TH.         T         T         T         T         T         T         T         T         T								╞╴
CMM.     CAMBER     FURN.     FURN.     FURN.     NR.     NALER     NO.     NUMBER     TO.C.       CCTV     CLOSED CIRCUIT TELEVISION     GA.     GAUGE     NOM.     NOMINAL     TO.J.     TO.J.       CEM.     CEMENT     GA.     GAUVANIZED IRON     NO.     NOMINAL     TO.J.     TO.M.       CER     CERMIC     CERTERNINTE     GAR.     GARAGE     O.C.     ONCENTER     TO.S.     TO.S.       CH oF C     CHARNEL     GFCI     GROUND FAULT CIRCUIT INTERRUPTER     O.H.     OVER HANG     TO.W.     TO.W.       CKT. BKR.     CIRCUIT BREAKER     GFL     GROUND FAULT CIRCUIT INTERRUPTER     O.H.     OVER HANG     TO.W.     TO.W.       CL oF C     CENTERLINE     GL     GLASS     O.R.     OUTSIDE AIR INTAKE     TEL.     TEL.       CLG.     CENTERLINE     GL     GLASS     O.R.     OUTSIDE AIR INTAKE     TEL.     TEL.       CLG.     CENTERLINE     GL     GLASS     GLAVANIZED RIDE TUBING     OH     OVER HEAD     TH.     T       CLG.     CENTERLINE     GL     GLASS     GLASS     O.R.     OUTSIDE AIR INTAKE     TEL.       CLG.     CELAR     GLA     GLASE MARAKEN     OH     OVER HEAD     TH.								╞╡
CCTV       CLOSED CIRCUIT TELEVISION       G.I.       GAUVANIZED IRON       NO.       NUMBER       T.O.F.         CEM.       CEMENT       GA       GAUGE       NOM.       NOMINAL       T.O.J.       I         CER       CERAMIC       GALV.       GALVANIZED       O.C.       ON CENTER       T.O.M.       I         CFM       CUBIC FEET PER MINUTE       GAR       GARAGE       O.D.       OUTSIDE DIAMETER       T.O.M.       I         CKT. BKR.       CIRCUIT BREAKER       GFI       GROUND FAULT INTERRUPTER       O.I.       ORNAMENTAL IRON       T.S.       I         CLO C.       CENTERLINE       G.L       GLASS       O.N.       OUTSIDE ARDIUS       T.V.       I         CLG.       CELING       GL       GLASS       O.A.       OUTSIDE ARI INTAKE       TEL.       I         CLG.       CELING       GM       GAZE MARK       OPNO.       OPPOING       TH.       I								
CEM       CERMIT       GA       GAUGE       NOM.       NOMINAL       T.0.J.       C         CER       CERAMIC       GALV.       GALVANIZED       O.C.       ON CENTER       T.0.M.         CM       CUBIC FEET PER MINUTE       GAR.       GARAGE       O.D.       OUTSIDE DIAMETER       T.0.M.       T.0.M.         CH oTC       CHANNEL       GFCI       GROUND FAULT INTERRUPTER       O.L.       OVER HANG       T.0.W.       T.0.W.         CKT. BKR.       CIRCUIT BREAKER       GFI       GROUND FAULT INTERRUPTER       O.L.       OVER HANG       T.0.W.       T.0.W.         CLG.       CENTRELINE       GL       GLASS       O.R.       OUTSIDE ARDUS       T.V.       I         CLG.       CENTRELINE       GL       GASS       O.R.       OUTSIDE ARDUS       T.H.       I         CLG.       CELGR       GAL       GALVANIZED REGIO TUBING       OPRO.       OPPENING       THL.       I         CLG.       CLEAR       GRC       GALVANIZED REGIO TUBING       OPRO.       OPPOSITE       THK.       I         CMU       CONCERTE MASONRY UNIT       GYP. BD.       GYPSUM BORD       P.L. or P.       PRECAST CONCRETE       THRU       I         CMTRD.								
CER       CERMIC       GALV.       GALVANIZED       O.C.       ON CENTER       T.O.M.         CFM       CUBIC FEET PER MINUTE       GAC       GARAGE       O.D.       OUTSIDE DIAMETER       T.O.M.         CH or E       CHANNEL       GFCI       GROUND FAULT CIRCUIT INTERRUPTER       O.H.       OVER HANG       T.O.W.       TO.W.         CKT. BKR.       CIRCUIT BREAKER       GFI       GROUND FAULT CIRCUIT INTERRUPTER       O.H.       OVER HANG       T.V.       T.		CLOSED CIRCUIT TELEVISION						T
CFM       CUBIC FEET PER MINUTE       GAR.       GARAGE       O.D.       OUTSIDE DIAMETER       T.O.S.       I         CH or C       CHANNEL       GFCI       GROUND FAULT INTERRUPTER       O.H.       OVER HANG       T.O.W.       I         CKT. BKR.       CIRCUIT BREAKER       GFI       GROUND FAULT INTERRUPTER       O.I.       ORNAMENTAL IRON       T.S.       I         CL or C,       CENTERLINE       GL       GLASS       O.R.       OUTSIDE RAI INTAKE       TEL.       I         CLG.       CELING       GLB       GLUE LAMINATED BEAM       OAI       OUTSIDE AR INTAKE       TEL.       I         CLG.       CLOSET       GM       GARDE MARK       OH       OVER HEAD       TH.       I         CLO.       CLOSET       GM       GALVANIZED RIGID TUBING       OPPO.       OPPOINTE       TH.       I         CMU       CONCRETE MASONRY UNIT       GYP.       GYPSUM BOARD       P.L or P       PROPERTY LINE       TT.       I         CONT       COLUMN       HB.       HOSE BIBB       PLAM.       PLAST COMINATE       TRANS.       I         COME       CONSTRUCTION       HB.       HOSE BIBB       PLAM.       PLAST COMINATE       ITANS.       I		CEMENT	GA.	GAUGE	NOM.	NOMINAL	T.O.J.	Т
CHANNEL       GFCI       GROUND FAULT CRCUIT INTERRUPTER       O.H.       OVER HANG       T.O.W.       I         CKT. BKR.       CIRCUIT BREAKER       GFI       GROUND FAULT INTERRUPTER       O.I.       ORNAMENTALIRON       T.S.       I         CL or C.       CENTERLINE       GL       GLASS       O.R.       OUTSIDE ARINTAKE       TEL.       I         CLG.       CELING       GLB       GLUE LAMINATED BEAM       OAL       OUTSIDE ARI NTAKE       TEL.       I         CLG.       CAULKING       GM       GARDE MARK       OH       OVER HEAD       TH.       I         CLG.       CLOSET       GM       GATE VALVE       OPNG.       OPENING       THD.       I         CLG.       CLEAR       GRC       GALVANZED RIGID TUBING       OPPO.       OPPOSITE       THKU       I         CNTRD.       CONCRETE MASONRY UNIT       GYP. BD.       GYPSUM BOARD       PL.       PLAM.       PLASTIC LAMINATE       TTK.       I         COMUN       H.B.       HOSE BIBB       PLAM.       PLAMINATE       TRANS.       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I	CER	CERAMIC	GALV.	GALVANIZED	0.C.	ON CENTER	T.O.M.	Т
CKT. BKR.       CIRCUIT BREAKER       GFI       GROUND FAULT INTERRUPTER       O.I.       ORNAMENTAL IRON       T.S.       I         CL or C.       CENTERLINE       GL       GLASS       O.R.       OUTSIDE RADIUS       T.V.       I         CLG.       CELLING       GLB       GLUE LAMINATED BEAM       OAI       OUTSIDE ANITAKE       TEL.       I         CLG.       CAUKING       GM       GRADE MARK       OH       OVER HEAD       TH.       I         CLO.       CLOSET       GM       GATE VALVE       OPNG.       OPPENING       TH.       I         CLR.       CLEAR       GRC       GALVANIZED RIGID TUBING       OPPO.       OPPOSITE       THK.       I         CMU       CONCRETE MASONRY UNIT       GYP.       GYPSUM       P.C.       PREOSATE CONCRETE       THRU       I         CNTRD.       CENTERED       GYP.BD.       GYPSUM BOARD       P.L. or P.       PROPERTY LINE       TLT.       I         COL       COLUMN       H.B.       HOSE BIBB       PL. or P.       PLASTIC LAMINATE       TRANS.       I         COMST.       CONTRUCTION       H.C.       HOLLOW CORE       P.O.C.       POINT OF CONNECTION       TVP.       I <td< td=""><td>CFM</td><td>CUBIC FEET PER MINUTE</td><td>GAR.</td><td>GARAGE</td><td>O.D.</td><td>OUTSIDE DIAMETER</td><td>T.O.S.</td><td>Т</td></td<>	CFM	CUBIC FEET PER MINUTE	GAR.	GARAGE	O.D.	OUTSIDE DIAMETER	T.O.S.	Т
CKT. BKR.       CIRCUIT BREAKER       GFI       GROUND FAULT INTERRUPTER       O.I.       ORNAMENTAL IRON       T.S.       I         CL or C.       CENTERLINE       GL       GLASS       O.R.       OUTSIDE RADIUS       T.V.       I         CLG.       CELLING       GLB       GLUE LAMINATED BEAM       OAI       OUTSIDE ANITAKE       TEL.       I         CLG.       CAUKING       GM       GRADE MARK       OH       OVER HEAD       TH.       I         CLO.       CLOSET       GM       GATE VALVE       OPNG.       OPPENING       TH.       I         CLR.       CLEAR       GRC       GALVANIZED RIGID TUBING       OPPO.       OPPOSITE       THK.       I         CMU       CONCRETE MASONRY UNIT       GYP.       GYPSUM       P.C.       PREOSATE CONCRETE       THRU       I         CNTRD.       CENTERED       GYP.BD.       GYPSUM BOARD       P.L. or P.       PROPERTY LINE       TLT.       I         COL       COLUMN       H.B.       HOSE BIBB       PL. or P.       PLASTIC LAMINATE       TRANS.       I         COMST.       CONTRUCTION       H.C.       HOLLOW CORE       P.O.C.       POINT OF CONNECTION       TVP.       I <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>T</td></td<>								T
CL or C.       CENTERLINE       GL       GLASS       O.R.       OUTSIDE RADIUS       T.V.       P         CLG.       CELLING       GLB       GLUE LAMINATED BEAM       OAI       OUTSIDE AR INTAKE       TEL       TEL <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Η<sub>T</sub></td></td<>								Η <sub>T</sub>
CLG.       CEILING       GLB       GLUE LAMINATED BEAM       OAI       OUTSIDE AIR INTAKE       TEL.       TEL.         CLG.       CAULKING       GM       GRADE MARK       OH       OVER HEAD       TH.       TH.         CLO.       CLOSET       GM       GATE VALVE       OPNG.       OPPOINING       THD.       T         CLR.       CLEAR       GRC       GALVANIZED RIGID TUBING       OPPO.       OPPOSITE       THK.       T         CMU       CONCRETE MASONRY UNIT       GYP.       GYPSUM       OP.       PLO.       PRECAST CONCRETE       THRU       T         COL.       COLUMN       HB.       HOSE BIBB       PLAM.       PLAM.       PLASTIC LAMINATE       TANS.       T         COME.       COMBINATION       H C.       HOLOW CORE       P.O.C.       POINT OF CONNECTION       TYP.       T         CONST.       CONSTRUCTION       H/C       HANDICAPPED       PERP.       PERFORATED       U.R.       I         CONT.       CONTINUOUS       HDBD.       HARDWARE       PL. or P.       PLASTE       VA.       V         CONT.       CONTRACTOR       HDW       HARRWARE       PL. or P.       PLATE       VA       V <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Η÷</td></t<>								Η÷
CLKG.       CAULKING       GM       GRADE MARK       OH       OVER HEAD       TH.         CLO.       CLOSET       GM       GATE VALVE       OPNG.       OPENING       THD.       THD.         CLR.       CLEAR       GRC       GALVANIZED RIGID TUBING       OPPO.       OPPOSITE       THK.       THK.         CMU       CONCRETE MASONRY UNIT       GYP.       GYPSUM GOADD       P.L. or P.       PROPERTY LINE       TLT.       T         COL       COLUMN       H.B.       HOSE BIBB       PLAM.       PLASTIC LAMINATE       TRANS.       T         COMB.       COMBINATION       H.C.       HOLLOW CORE       P.O.C.       POINT OF CONNECTION       TYP.       T         CONS.       CONCRETE       H.M.       HOLLOW CORE       P.O.C.       POINT OF CONNECTION       TYP.       T         CONS.       CONSTRUCTION       H/C       HANDICAPPED       PERF.       PERFORATED       UR       I         CONTR.       CONTRACTOR       HDW       HARDWARE       PL.       PLASTE       V.B.       V.B.       I         CU       COPPER       HGR.       HEGHT       PL.       PLASTE       V.F.       I         CU       COPPER       HOR. </td <td>·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>⊢</td>	·							⊢
CLO.CLOSETGMGATE VALVEOPNG.OPENINGTHD.ICLR.CLEARGRCGALVANIZED RIGID TUBINGOPPO.OPPOSITETHK.ICMUCONCRETE MASONRY UNITGYP.GYP.GYPSUM BOARDP.C.PRECAST CONCRETETHRUICOLLCOLUMNGYP. BD.GYPSUM BOARDP.L. or PPROPERTY LINETLT.ICOL.COLUMNH.B.HOSE BIBBPLAM.PLASTIC LAMINATETRANS.ICOMB.COMBINATIONH.C.HOLLOW COREP.O.C.POINT OF CONNECTIONTYP.ICONC.CONSTRUCTIONH.C.HOLLOW METALPERF.PERPORATEDUNF.ICONT.CONTINUOUSHDBD.HARDBOARDPH or ØPHASEV.B.VICONT.CONTRACTORHDWHARDWAREPL.PLASTERV.I.VVICUCOPPERHGT.HEIGHTPL.or P.PLATEVAVV								닏
CLR.CLEARGRCGALVANIZED RIGID TUBINGOPPO.OPPOSITETHK.ICMUCONCRETE MASONRY UNITGYP.GYPSUMP.C.PRECAST CONCRETETHRUICNTRD.CENTEREDGYP. BD.GYPSUM BOARDP.L. or PPROPERTY LINETT.ICOL.COLUMNH.B.HOSE BIBBP.L. or PPROPERTY LINETRANS.ICOMB.COMBINATIONH.C.HOLLOW COREP.O.C.POINT OF CONNECTIONTYP.ICONC.CONCRETEH.M.HOLLOW COREPERF.PERFORATEDUNF.ICONT.CONTRUCTIONH/CHANDICAPPEDPERP. or DPERP. or DPERPONCULARUNF.ICONT.CONTRUCTONH/CHARDBOARDPH or ØPHASEV.B.ICONT.CONTRACTORHDDHARDBOARDPL or P.PLASTERV.B.ICONT.CONTRACTORHDWHARDBOARDPL or P.PLASTERV.B.ICUCOPPERHGT.HEIGHTPL or P.PLASTERV.I.IdPENNYHOR.HORZONTALPLAS.PLASTICVCTID.F.DINKING FOUNTAINHTRHEATERPLUMB.PLUMBINGVERT.VCTID.G.DECOMPOSED GRANITEHVAC'HEATING, VENTILATING & AIR CONDITIONPLYWD.PLYWOODW/CID.G.DECOMPOSED GRANITEHVAC'HEATING, VENTILATING & AIR CONDITONPLYWD.PLYWOODW/CI <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>₽</td></t<>								₽
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#### **GENERAL NOTES**

- 1. ALL WORK LISTED, SHOWN, OR IMPLIED ON THESE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE NOTED OTHERWISE. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR EXECUTION OF WORK IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE SUBCONTRACTORS'S WORK. THE CONTRACTOR SHALL CLOSELY COORDINATE WORK WITH THAT OF SUBCONTRACTORS TO ASSURE THAT ALL SCHEDULES ARE MET AND THAT ALL WORK IS DONE IN CONFORMANCE WITH PLANS & SPECS.xxxx
- 2. ALL MATERIALS, LABOR, INSTALLATION, FABRICATIONS, ETC. SHALL CONFORM TO ALL APPLICABLE CODES & REGULATIONS INCLUDING BUT NOT LIMITED TO THOSE LISTED UNDER PROJECT DATA IN THESE DRAWINGS, AND ALL LOCAL CODES. CONTRACTOR SHALL ADHERE TO ALL RULES GOVERNING CONSTRUCTION, SAFETY, BUILDING ACCESS AND THE USE OF THE FACILITIES AS SET BY LOCAL & STATE AUTHORITIES AND THE LANDLORD.
- 3. ALL CONSTRUCTION SHALL COMPLY WITH ENERGY STANDARDS IN TITLE 24 OF THE CALIFORNIA STATE BUILDING CODE AS OUTLINED IN THE ENERGY CERTIFICATES PROVIDED BY THE ENERGY CONSULTANT.
- 4. ALL MECHANICAL, ELECTRICAL, LIGHTING, PLUMBING, FIRE-PROTECTION ENGINEERING TO BE "DESIGN BUILD" BY OTHERS. OTHERS RESPONSIBLE FOR ENGINEERING, PERMITS, FEES, CALCULATIONS, REPORTS, DRAWINGS, ETC. REQUIRED BY LOCAL AND ALL OTHER GOVERNING AGENCIES. SUCH DESIGN SHALL BE FULLY COORDINATED WITH ALL INFORMATION PROVIDED IN THIS DRAVSET.
- 5. ALL "DESIGN-BUILD" SUBCONTRACTORS SHALL OBTAIN PERMITS AND PAY PERMIT FEES FOR THEIR RESPECTIVE FIELDS OF WORK.
- 6. EXAMINATIONS OF THE SITE AND PORTIONS THEREOF WHICH WILL AFFECT THIS WORK SHALL BE MADE BY THE GENERAL CONTRACTOR AND SUBCONTRACTORS, WHO SHALL COMPARE IT WITH THE DRAWINGS AND SATISFY THEMSELVES AS TO CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. THEY SHALL, ASCERTAIN AND

- 7. CHECK LOCATIONS OF THE EXISTING STRUCTURES AND EQUIPMENT, AND ALL CONDITIONS DURING CONSTRUCTION WHICH MAY AFFECT THEIR WORK. ANY CONFLICTS OR OMISSIONS, ETC. SHALL BE REPORTED TO THE ARCHITECT BEFORE BIDDING OR PROCEEDING WITH ANY WORK.
- 8. ALL CONSTRUCTION DOCUMENTS ARE COMPLIMENTARY, AND WHAT IS CALLED FOR BY ONE WILL BE AS IF CALLED FOR BY ALL. ANY WORK SHOWN OR REFERRED TO ON ANY CONSTRUCTION DOCUMENT SHALL BE PROVIDED AS THOUGH ON ALL RELATED DOCUMENTS.
- 9. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS ON DRAWINGS TAKE PRECEDENCE OVER SCALE. DETAILS SHALL TAKE PRECEDENCE OVER GENERAL FLOOR PLANS.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE PROJECT SCHEDULE. PRIOR TO START OF PROJECT, THE GENERAL CONTRACTOR SHALL VERIFY LEAD TIMES OF FINISH MATERIALS AND SPECIAL ITEMS TO ASSURE AVAILABILITY AS SCHEDULE REQUIRES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING THE PROGRESS OF THE WORK AND INFORMING THE ARCHITECT AND TENANTS IMMEDIATELY OF ANY POTENTIAL DELAYS.
- 11. CERTAIN MATERIALS ARE SPECIFIED BY THEIR BRAND NAMES TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE. ALL REQUESTS FOR SUBSTITUTIONS OF ITEMS SPECIFIED SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING AT LEAST TWO WEEKS PRIOR TO ORDERING OR INSTALLATION. REQUESTS WILL BE CONSIDERED ONLY IF A BETTER PRODUCT, A MORE ADVANTAGEOUS DELIVERY DATE OR A LOWER PRICE WITH CREDIT TO THE TENANT WILL BE PROVIDED WITHOUT SACRIFICING QUALITY, APPEARANCE AND FUNCTION. UNDER NO CIRCUMSTANCES WILL THE ARCHITECT BE REQUIRED TO PROVE THAT A PRODUCT PROPOSED FOR SUBSTITUTION IS NOT EQUAL QUALITY TO THE PRODUCT SPECIFIED. SUBSTITUTE MATERIALS SHALL NOT BE PURCHASED OR INSTALLED WITHOUT THE ARCHITECT'S WRITTEN APPROVAL.
- 12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUESTED FOR FABRICATION ITEMS, CUT SHEETS OF ALL FIXTURES AND EQUIPMENT, AND SAMPLES OF ALL FINISHES TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. BY APPROVING AND SUBMITTING SHOP DRAWINGS AND SAMPLES, CONTRACTOR REPRESENTS THAT HE DETERMINED AND VERIFIED FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, CATALOG NUMBERS, AND SIMILAR DATA AND THAT EACH SUBMITTAL

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ROOF DRAIN OVERFLOW ROUGH OPENING	
RIGHT OF WAY	
REFRIGERATOR	
REFERENCE	
REINFORCED REQUIRED	
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ROOM	
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SMOKE DETECTOR	
SHUT OFF VALVE	
SKYLIGHT	
STAINLESS STEEL SELF CLOSING	
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SECTION	
SERVICE ENTRANCE SECTION	
SHEET SHEATHING	
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SPACE	
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SQUARE INCHES	
SOUND TRANSMISSION CLASS	
STANDARD STEEL	
SUSPENDED	
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THROUGH BOLT	
TELEPHONE MOUNTING BOARD	
TOP OF	
TOP OF BEAM TOP OF CURB	
TOP OF FOOTING	
TOP OF JOIST	
TOP OF MASONRY	
TOP OF SLAB TOP OF WALL	
TUBE STEEL	
TELEVISION OUTLET	
TELEPHONE	
THRESHOLD THREADED	
ТНІСК	
THROUGH	
TOILET	
TRANSFORMER TYPICAL	
UNFINISHED	
URINAL	
VAPOR BARRIER VERIFY IN FIELD	
VOLT AMPERE	
VINYL COMPOSITION TILE	
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# INDICATES REFERENCE NORTH COLUMN OR GRID LINE POINT OF CIRCLE QUAD LETTERS LEFT TO RIGHT. +10'-0"\_\_\_\_ SECTION IDENTIFICATION SHEET WHERE SECTION SECTION IDENTIFICATION ELEVATION IDENTIFICATION DETAIL IDENTIFICATION SHEET WHERE DETAIL IS SHOWN - DETAIL IDENTIFICATION SHEET WHERE DETAIL IS SHOWN INTERIOR ELEVATION CORRESPONDING NUMBER OPENING INDICATIONS DIMENSION TO CENTER

- 13. SUBMITTAL HAS BEEN CHECKED AND COORDINATED WITH CONTRACT REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR ACCURACY OF SHOP DRAWINGS, PROPER FITTINGS, COORDINATION OF WORK, CONSTRUCTION TECHNIQUES, MATERIALS, AND WORK REQUIRED BY CONTRACT DOCUMENTS. SUBMITTALS WILL BE REQUIRED FOR: - PAINT.
- 14. NO WORK DEFECTIVE IN CONSTRUCTION OR QUALITY OR DEFICIENT IN ANY REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS WILL BE ACCEPTABLE IN CONSEQUENCE OF OWNER'S OR ARCHITECT'S FAILURE TO DISCOVER OR TO POINT OUT DEFECTS OR DEFICIENCIES DURING CONSTRUCTION; NOR WILL PRESENCE OF INSPECTORS ON WORK RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR SECURING QUALITY AND PROGRESS OF WORK, AS REQUIRED BY CONTRACT. DEFECTIVE WORK SHALL BE REPLACED BY WORK CONFORMING WITH INTENT OF CONTRACT. NO PAYMENT, WHETHER PARTIAL OR FINAL, SHALL BE CONSTRUED AS AN ACCEPTANCE OF DEFECTIVE WORK OR IMPROPER MATERIALS. CONTRACTOR SHALL PROTECT WORK AREA AND NEW OR EXISTING MATERIALS AND FINISHES FROM DAMAGE WHICH MAY OCCUR FROM CONSTRUCTION, DEMOLITION, DUST, WATER, ETC.. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR CONSTRUCTION RESULTING FROM WORK OF CONTRACTOR AND/ OR SUBCONTRACTORS, AND SHALL REPAIR ALL SUCH DAMAGE TO ORIGINAL CONDITION AT NO ADDITIONAL COST.
- 15. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS.
- 16. THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A REGULAR BASIS, AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT ANY DIRT, DEBRIS, OR DUST FROM AFFECTING, IN ANY WAY, FINISHED AREAS IN OR OUTSIDE THE JOBSITE.
- 17. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES AND SHALL PROVIDE ALL SUBCONTRACTORS WITH CURRENT CONSTRUCTION DOCUMENTS AS REQUIRED. ONE SET OF RECORD DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT AT COMPLETION.
- 18. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION AND/ OR DEMOLITION.

- 19. CONTRACTOR SHALL PROVIDE ALL CEILING OR WALL ACCESS PANE (OR ACCESS DOORS) AS REQUIRED BY THE AIR CONDITIONING, PLUMBING, AND ELECTRICAL SYSTEM. PROVIDE APPROVED ASSEMBLIES WITH SELF CLOSING DEVICES IN RATED CONSTRUCT
- 20. ALL DIMENSIONS ARE TO THE FACE OF STUD UNLESS OTHERWISE I
- 21. ALL DIMENSIONS NOTED "CLEAR" OR "CLR" ARE FOR MINIMUM CLEARANCES AND MUST BE FIELD VERIFIED AND STRICTLY MAINTAINED.
- 22. ALL DIMENSIONS NOTED "VERIFY" OR "VIF" ARE TO BE CHECKED BY CONTRACTOR PRIOR TO CONSTRUCTION. ANY VARIANCES SHOUL BE REPORTED TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION
- 23. ABBREVIATIONS USED ARE THOSE IN COMMON USE. ARCHITECT WI DEFINE INTENT OF ANY QUESTIONS.
- 24. ALL ELECTRICAL OUTLETS & CONTROLS SHALL COMPLY WITH ARTICLES 3-210 & 3-380 OF THE STATE ELECTRICAL CODE.

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REVISION CLOUD AROUND REVISION WORK POINT, CONTROL POINT OR DATUM POINT REFERENCE ELEVATION DIMENSION ABOVE FLOOR WALL TYPE ROOF ACCESS HATCH GUTTER AND DOWNSPOUT FOR MTL. AWNING ON FRONT FACADE ONLY. PAINT DS TO MATCH EXTERIOR WALL	ALL DRAWII APPEARING AND UNPUE	NGS AND WRITTEI HEREIN ARE THE BLISHED WORK OF	

CALG	reen.				
	RESIDENTIAL MANDATORY MEASURES				
	<b>EFFECTIVE JANUARY 1, 2017</b>				
	2016 CALGREEN CODE				
SECTION	REQUIREMENTS				
4.408.1 continued	<ul> <li>Documentation is required per Section 4.408.5.</li> <li>Exceptions:         <ol> <li>Excavated soil and land-clearing debris.</li> <li>Alternative waste reduction methods developed by working with local enforcin agencies if diversion or recycle facilities capable of compliance with this item not exist or are not located reasonably close to the jobsite.</li> </ol> </li> <li>The enforcing agency may make exceptions to the requirements of this section when isolated jobsites are located in areas beyond the haul boundaries of the diversion facility.</li> </ul>				
	Construction waste management plan				
4.408.2	Submit a construction waste management plan meeting Items 1 through 5 in Section 4.408.2. Plans shall be updated as necessary and shall be available for examination during construction.				
	Waste management company				
4.408.3	Utilize a waste management company, approved by the enforcing agency, which can provide verifiable documentation that diverted construction and demolition waste materials meet the requirements in Section 4.408.1.				
	Waste stream reduction alternative				
4.408.4 4.408.4.1	<ul> <li>(LR) Projects that generate a total combined weight of construction and demolitic waste disposed in landfills, which do not exceed 3.4 pounds per square foot of the building area shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1.</li> <li>Projects that generate a total combined weight of construction and demolition waste disposed in landfills, which do not exceed 2 pounds per square foot of the building area, shall meet the minimum 65% construction waste reduction</li> </ul>				
	requirement in Section 4.408.1.				
	MATERIAL CONSERVATION & RESOURCE EFFICIENCY				
BUILDING M	AINTENANCE & OPERATION)				
	Operation and maintenance manual				
4.410.1	At the time of final inspection, a manual, compact disc, web-based reference or othe media acceptable to the enforcing agency which covers 10 specific subject areas she be placed in the building.				
	Recycling by occupants				
4.410.2	Where 5 or more multifamily dwelling units are constructed on a building site, provid readily accessible area(s) that serves all buildings on the site and is identified for the depositing, storage and cellection of non-hazardous materials for recycling, including (at minimum) paper, corrugated cardboard, glass, plastics, organic waste, and meta or meet a lawfully enacted local recycling ordinance, if more restrictive. <b>Exception:</b> Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82 (a)(2)(A) et. seq. are not required to comply with the organic waste portion of this section.				

	EFFECTIVE JANUARY 1, 2017
	2016 CALGREEN CODE
SECTION	REQUIREMENTS
	WATER EFFICIENCY AND CONSERVATION (INDOOR WATER USE
	Water conserving plumbing fixtures and fittings
4.303.1	Plumbing fixtures and fittings shall comply with the following:         4.303.1.1       Water Closets: ≤ 1.28 gal/flush         4.303.1.2       Wall Mounted Urinals: ≤ 0.125 gal/flush; all other urinals         4.303.1.3.1       Single Showerheads: ≤ 2.0 gpm @ 80 psi         4.303.1.3.2       Multiple Showerheads: combined flow rate of all shower by a single valve shall not exceed 2.0 gpm @ 80 psi, or outlet is to be in operation at a time         4.303.1.4.1       Residential Lavatory Faucets: Maximum Flow Rate ≤ 1 Minimum Flow Rate ≥ 0.8 gpm @ 20 psi         4.303.1.4.2       Lavatory Faucets in Common and Public Use Areas of 1 Buildings: ≤ 0.5 gpm @ 60 psi
	<ul> <li>4.303.1.4.3 Metering Faucets: ≤ 0.25 gallons per cycle</li> <li>4.303.1.4.4 Kitchen Faucets: ≤ 1.8 gpm @ 60 psi; temporary increa allowed but shall default to 1.8 gpm</li> </ul>
	Standards for plumbing fixtures and fittings
4.303.2	Plumbing fixtures and fittings shall be installed in accordance with the Plumbing Code, and shall meet applicable standards referenced in Ta California Plumbing Code.
ivision 4.3 -	- WATER EFFICIENCY AND CONSERVATION (OUTDOOR WATER U
4.304.1	Outdoor potable water use in landscape areas           After December 1, 2015, new residential developments with an aggregation area equal to or greater than 500 square feet shall comply with one of           1. A local water efficient landscape ordinance or the current California Water Resources' Model Water Efficient Landscape Ordinance (MW whichever is more stringent, or           2. Projects with aggregate landscape areas less than 2500 square feet with the MWELO's Appendix D Prescriptive Compliance Option.
vision 4.4 -	MATERIAL CONSERVATION & RESOURCE EFFICIENCY
NHANCED	DURABILITY & REDUCED MAINTENANCE)
4.406.1	Rodent proofing Annular spaces around pipes, electric cables, conduits or other openin sole/bottom plates at exterior walls shall be closed with cement mortal masonry or a similar method acceptable to the enforcing agency to pro- rodents.
	- MATERIAL CONSERVATION & RESOURCE EFFICIENCY
ONSTRUC	TION WASTE REDUCTION, DISPOSAL & RECYCLING)
4.408.1	Construction waste reduction of at least 65%     Recycle and/or salvage for reuse a minimum of 65% of the nonhaz construction and demolition waste in accordance with either Section 4.408.3 or 4.408.4; OR meet a more stringent local construction ar waste management ordinance.
	waste management ordinance.

CALG	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017
	2016 CALGREEN CODE
SECTION	REQUIREMENTS
	Special inspection
702.2	Special inspectors must be qualified and able to demonstrate competence to the enforcing agency in the discipline in which they are inspecting.
	Documentation
703.1	Documentation of compliance shall include, but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the local enforcing agency. Other specific documentation or special inspections necessary to verify compliance are specified in appropriate sections of CALGreen.

	EFFECTIVE JANUARY 1, 2017
CECTION	2016 CALGREEN CODE
SECTION	REQUIREMENTS ENVIRONMENTAL QUALITY (INDOOR AIR QUALITY & EXHAUST)
VISIOII 4.3 -	Bathroom exhaust fans
4.506.1	<ul> <li>Each bathroom shall be mechanically ventilated and shall comply with</li> <li>1. Fans shall be ENERGY STAR compliant and be ducted to terminate building.</li> <li>2. Unless functioning as a component of a whole house ventilation system controlled by a humidity control.</li> <li>a) Humidity controls shall be capable of manual or automatic adjustion a relative humidity range of less than 50% to a maximum of 80%</li> <li>b) A humidity control may be a separate component to the exhausting required to be integral or built-in.</li> <li>Note: For CALGreen a "bathroom" is a room which contains a bathtub tub/shower combination. Fans or mechanical ventilation is required in the second se</li></ul>
ivision 4.5 –	ENVIRONMENTAL QUALITY (ENVIRONMENTAL COMFORT)
4.507.2	<ul> <li>Heating and air conditioning system design</li> <li>Heating and air conditioning systems shall be sized, designed, and equivalent design the following methods:</li> <li>1. The heat loss and heat gain is established according to ANSI/ACC/2011 (Residential Load Calculation), ASHRAE handbooks or other design software or methods.</li> <li>2. Duct systems are sized according to ANSI/ACCA 1 Manual D – 201 Duct Systems), ASHRAE handbooks or other equivalent design software.</li> <li>3. Select heating and cooling equipment according to ANSI/ACCA 3 M (Residential Equipment Selection) or other equivalent design software functions are acceptable.</li> </ul>
	- INSTALLER & SPECIAL INSPECTOR QUALIFICATION IONS, VERIFICATIONS)
	Installer training
702.1	<ul> <li>HVAC system installers shall be trained and certified in the proper instasystems and equipment by a recognized training or certification program Examples of acceptable HVAC training and certification programs includimited to the following: <ol> <li>State certified apprenticeship programs.</li> <li>Public utility training programs.</li> <li>Training programs sponsored by trade, labor or statewide energy convertification organizations.</li> <li>Programs sponsored by manufacturing organizations.</li> <li>Other programs acceptable to the enforcing agency.</li> </ol> </li> </ul>

Page 9 of 10

Page 10 of 10

HCD SHL 605 (Rev. 4/16)

		CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2
	EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE		2016 CALGREEN CODE
SECTION	REQUIREMENTS	SECTION	REQUIREMENTS
4.106.4.2.3	<ul> <li>Construction documents shall identify the raceway termination point.</li> <li>The service panel and/or subpanel shall provide capacity to install a 40-ampere</li> </ul>	4.106.4.1 & 4.106.4.1.1	directory shall identify the overcurrent protective device EV charging as "EV CAPABLE". The raceway termination of the second s
continued	minimum dedicated branch circuit and space(s) reserved to permit installation of a	continued	permanently and visibly marked as "EV CAPABLE".
	branch circuit overcurrent protective device.		<ul> <li>EV charging for multifamily dw</li> <li>Applies to building sites with 17 or more multifamily d</li> </ul>
1	Multiple EV spaces required     Construction documents shall indicate raceway termination point and proposed		the site.
	location of future EV spaces and EV chargers. Construction documents shall also		<ul> <li>3% of the total number of parking spaces provided for but in no case less than one, shall be electric vehicle</li> </ul>
	provide information on amperage of future EVSE, raceway method(s), wiring schematics and electrical load calculations to verify electrical panel service capacity	4.106.4.2	spaces) capable of supporting future EVSE. Calcula
	and electrical system, including any on-site distribution transformer(s), have		spaces shall be rounded up to the nearest whole nur Note: Construction documents are intended to demons
4.106.4.2.4	sufficient capacity to simultaneously charge all EVs at all required EV spaces at full rated amperage of the EVSE.		and capacity for facilitating future EV charging. There is
	<ul> <li>Plan design shall be based upon a 40-ampere minimum branch circuit.</li> </ul>		to be constructed or available until EV chargers are inst EV charging space (EV space) I
	<ul> <li>Raceways and related components planned to be installed underground, enclosed, inaccessible or in concealed areas and spaces shall be installed at the time of</li> </ul>		· Construction documents shall indicate the location of
	original construction.		least 1 EV space shall be located in common use are residents.
	Identification		· When EV chargers are installed, EV spaces required
	The service panel or subpanel circuit directory shall identify the overcurrent protective	4.106.4.2.1	Item 3, shall comply with at least 1 of the following op
	device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code.		<ol> <li>The EV space shall be located adjacent to an acc the requirements of the California Building Code,</li> </ol>
	Notes:		the EV charger from the accessible parking space
4.106.4.2.5	1. The California Department of Transportation adopts and publishes the "California Manual on Uniform Traffic Control Devices (California MUTCD)" to provide uniform		<ol> <li>The EV space shall be located on an accessible in the California Building Code, Chapter 2.</li> </ol>
	standards and specifications for all official traffic control devices in California. Zero		EV charging space (EV space) di
	Emission Vehicle Signs and Pavement Markings can be found in the New Policies & Directives Number 12-01.		EV spaces shall be designed to comply with the followin 1. The minimum length of each EV space shall be 18 fe
	Website: http://www.dot.ca.gov/hg/traffops/policy/13-01.pdf		2. The minimum width of each EV space shall be 9 fee
	<ol> <li>See Vehicle Code Section 22511 for EV charging space signage in off-parking facilities and for use of EV charging spaces.</li> </ol>	4.106.4.2.2	<ol> <li>One in every 25 EV spaces, but not less than 1, shall minimum aisle. A 5-foot wide minimum aisle shall be</li> </ol>
	3. The Governor's Office of Planning and Research (OPR) published a "Zero-		minimum width of the EV space is 12 feet.
	Emission Vehicle Community Readiness Guidebook" which provides helpful information for local governments, residents and businesses.		<ul> <li>a) Surface slope for this EV space and aisle shall no 48 units horizontal (2.083% slope) in any direction</li> </ul>
	Website: http://opr.ca.gov/docs/ZEV_Guidebook.pdf		Single EV space require
Division 4.2-		/	<ul> <li>Install listed raceway capable of accommodating a 20 circuit.</li> </ul>
	Energy efficiency requirements for low-rise residential (Section 4.201.1) and high-	4.106.4,2.3	<ul> <li>The raceway shall not be less than trade size 1 (r</li> </ul>
4 204 4	rise residential/hotels/motels (Section 5.201.1) are now in both residential and		diameter).
4.201.1	nonresidential chapters of CALGreen.		<ul> <li>The raceway shall originate at the main service o into a listed cabinet, box or enclosure in close pro</li> </ul>
5.201.1	<ul> <li>Standards for residential buildings do not require compliance with levels of minimum energy efficiency beyond those required by the 2016 California Energy</li> </ul>	/	of the EV space.
/	Code.		
HCD SHL 605 (Rev. 4	/16) Page 3 of 10	HCD SHL 605 (Rev. 4	
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CALG	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE
~ ~ ~	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE REQUIREMENTS		RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS
CALG	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE REQUIREMENTS for formaldehyde as specified in the Air Resources Board's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et. seq.), as shown in Table 4.504.5.	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatin
CALG SECTION 4.504.5	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE REQUIREMENTS for formaldehyde as specified in the Air Resources Board's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et. seq.), as shown in Table 4.504.5. Documentation is required per Section 4.504.5.1.	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coating Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p
	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE REQUIREMENTS for formaldehyde as specified in the Air Resources Board's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et. seq.), as shown in Table 4.504.5. Documentation is required per Section 4.504.5.1.	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Se the CCR, Title 17, commencing with Section 94520; and
CALG SECTION 4.504.5	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017 2016 CALGREEN CODE REQUIREMENTS for formaldehyde as specified in the Air Resources Board's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et. seq.), as shown in Table 4.504.5. Documentation is required per Section 4.504.5.1. Definition of Composite Wood Products: Composite wood products include hardwood plywood, particleboard, and medium density fiberboard. "Composite wood products" do not include hardboard, structural plywood, structural panels,	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Se the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ad
CALG SECTION 4.504.5	Residential management         Example for the second structure of the	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ad percent VOC by weight of product limits of Regulation 8
CALG SECTION 4.504.5	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017           2016 CALGREEN CODE           REQUIREMENTS           for formaldehyde as specified in the Air Resources Board's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et. seq.), as shown in Table 4.504.5. Documentation is required per Section 4.504.5.1.           Definition of Composite Wood Products: Composite wood products include hardwood plywood, particleboard, and medium density fiberboard. "Composite wood products" do not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood I-joists, or finger-joined lumber, all as specified in CCR, Title 17, Section 93120.1(a).	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet installed in the building interior shall meet the test
CALG SECTION 4.504.5 continued	CONSTITUTE OF CONSTITUTE	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet installed in the building interior shall meet the tess of 1 of the following:
CALG SECTION 4.504.5	RESIDENTIAL MANDATORY MEASURES EFFECTIVE JANUARY 1, 2017           2016 CALGREEN CODE           REQUIREMENTS           for formaldehyde as specified in the Air Resources Board's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et. seq.), as shown in Table 4.504.5. Documentation is required per Section 4.504.5.1.           Definition of Composite Wood Products: Composite wood products include hardwood plywood, particleboard, and medium density fiberboard. "Composite wood products" do not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood I-joists, or finger-joined lumber, all as specified in CCR, Title 17, Section 93120.1(a).	SECTION 4.504.2.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Se the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ad percent VOC by weight of product limits of Regulation 8, Carpet systems Carpet installed in the building interior shall meet the tess of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Meet
CALG SECTION 4.504.5 continued	CONTRIBUTION OF THE STREEMENT OF TH	CALG	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Se the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet systems Carpet installed in the building interior shall meet the tess of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions for
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CALG SECTION 4.504.5 continued	CONSTITUTE STATE OF THE ST	SECTION 4.504.2.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet systems Carpet installed in the building interior shall meet the tess of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions for Environmental Chambers," Version 1.1, February 20' Specification 01350) 3. NSF/ANSI 140 at the Gold level
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 –	Concrete slab foundations or concrete slab-on-ground floors required to have a vapor	SECTION 4.504.2.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet installed in the building interior shall meet the tess of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fre Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage™
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 –	Concrete slab foundations or concrete slab on-ground floors required to have a vapor retarder by the California Building Code, Chapter 19, or the California Residential Code, Chapter 5, respectively, shall also comply with this section.	SECTION 4.504.2.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet systems Carpet installed in the building interior shall meet the tess of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage™ Carpet cushion installed in the building interior shall meet
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 –	CONTRIBUTION OF A CONTRIBUCIÓN OF A CONTRIBUENCE ON A CONTRIB	CALG SECTION 4.504.2.3 4.504.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 3 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet installed in the building interior shall meet the tes of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage™ Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 4.505.2	Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder by the California Building Code, Chapter 19, or the California Residential Code, Chapter 5, respectively, shall also comply with this section.	CALG SECTION 4.504.2.3 4.504.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 7 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet systems Carpet installed in the building interior shall meet the tess of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage™ Carpet cushion installed in the building interior shall meet Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program.
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 –	Concrete slab foundations or concrete slab on-ground floors required to have a vapor retarder by the California Building Code, Chapter 19, or the California Residential Code, Chapter 5, respectively, shall also comply with this section.	CALG SECTION 4.504.2.3 4.504.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2         RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2         2016 CALGREEN CODE REQUIREMENTS         Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet systems         Carpet systems         Carpet installed in the building interior shall meet the tes of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions for Environmental Chambers," Version 1.1, February 20' Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage™ Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program.         Carpet adhesives shall meet the requirements of Table 4
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 4.505.2	Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder by the California Building Code, Chapter 19, or the California Building Code, Chapter 19, or the California Building Code, Chapter 19, or the California Residential Code, Chapter 5, respectively, shall also comply with this section.	CALG SECTION 4.504.2.3 4.504.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 3 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Se the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet systems Carpet installed in the building interior shall meet the tes of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage™ Carpet cushion installed in the building interior shall meet Carpet adhesives Shall meet the requirements of Table 4 Resilient flooring system Where resilient flooring is installed, at least 80% of floor
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 4.505.2	Concrete slab foundations or concrete slab foundations     Concrete slab foundations or concrete slab foundations or concrete slab foundations or concrete negatively, shall also comply with this section:     Concrete slab foundations or concrete slab foundations     Concrete slab foundations or concrete slab and greater the section:     Concrete slab foundations or concrete slab and greater the section:     Concrete slab foundations or concrete slab concreter mix design which will address bleeding, shrinkage and curing shall be used. For additional information, see American Concrete slab approved by the enforcing agency.     Concrete slab foundations or concrete slab concreter mix design which will address bleeding, shrinkage and curing shall be used. For additional information, see American Concrete slab approved by the enforcing agency.     Concrete slab foundations or concrete slab concreter mix design which will address bleeding, shrinkage and curing shall be used. For additional information, see American Concrete log approved by the enforcing agency.     Concrete mix design specified by a licensed design professional.	CALG SECTION 4.504.2.3 4.504.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2         2016 CALGREEN CODE REQUIREMENTS         Aerosol paints and coating Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, Carpet systems         Carpet systems         Carpet installed in the building interior shall meet the tes of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage™ Carpet cushion installed in the building interior shall mee Carpet and Rug Institute's Green Label Plus Program.         Carpet adhesives Carpet and Rug Institute's Green Label Plus Program.         Carpet cushion installed in the building interior shall mee Carpet and Rug Institute's Green Label Plus Program.         Carpet adhesives shall meet the requirements of Table 4 Resilient flooring system         Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following:
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 4.505.2	Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder pi the Schlub f. 2.1.     Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder by the California Building Code, Chapter 19, or the Schlub for the stable during shall be provided with at least 1 of the following:     Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder by the California Building Code, Chapter 19, or the following:     Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder by the California Building Code, Chapter 19, or the California Residential Code, Chapter 51, respectively, shall also comply with this section.	CALG SECTION 4.504.2.3 4.504.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1,         2016 CALGREEN CODE REQUIREMENTS         Aerosol paints and coatings shall meet the Product-Weis Section 94522(a)(2) and other requirements, including pt toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ad percent VOC by weight of product limits of Regulation 8         Carpet installed in the building interior shall meet the test of 1 of the following:         1. Carpet and Rug Institute's Green Label Plus Program         2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350)         3. NSF/ANSI 140 at the Gold level         4. Scientific Certifications Systems Indoor Advantage™ Carpet and Rug Institute's Green Label Plus Program.         Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program.         Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program.         Carpet cushion installed in the building interior shall meet Carpet adhesives shall meet the requirements of Table         Resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following:         1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Org
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 4.505.2	Concrete slab foundations or concrete slab foundations     Concrete	CALG SECTION 4.504.2.3 4.504.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8 Carpet installed in the building interior shall meet the test of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard M Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage™ Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program. Carpet and Rug Institute's Green Label Plus Program. Carpet adhesives shall meet the requirements of Table Resilient flooring system Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Or Indoor Sources Using Environmental Chambers," Version Resilient flooring Shall comply with one or more of the following: 1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Or Indoor Sources Using Environmental Chambers," Version Sources Usi
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 4.505.2	Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder in direct contact with concreate and a concrete mix design which will address bleeding, shrinkage and curling shall be used. For additional information, see American Concret Institute, ACI 302-2R-06.     Conter et slab dougnet mixer and a curling shall be used. For additional information, see American Concret Institute, ACI 302-2R-06.     Conter et slab dougnet mixer and a curling shall be used. For additional information, see American Concret Institute, ACI 302-2R-06.     Concrete slab dougnet mixer and a curling shall be used. For additional information, see American Concrete histlifted Agroved by the enforcing agency.     A slab design specified by a licensed design professional.	CALG SECTION 4.504.2.3 4.504.3	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Sü the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ar percent VOC by weight of product limits of Regulation 8 Carpet systems Carpet installed in the building interior shall meet the test of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard M Evaluation of Volatile Organic Chemical Emissions for Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage <sup>TM</sup> Carpet adhesives shall meet the requirements of Table Resilient flooring system Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Org Indoor Sources Using Environmental Chambers, "Version 1.1, February 20 Specification installed in the building interior shall met Carpet cushion installed in the building interior shall met Carpet adhesives shall meet the requirements of Table Resilient flooring system Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Org Indoor Sources Using Environmental Chambers, "Version Nethod Sources Using Environmental Chambers," Version Nethod Sources Using Environmental Chambers, "Version Nethod Sources Using Environmental Chambers," Version Nethod Sources Using Environmental Chambers, "Version Nethod Sources Using Environmental Chambers," Version Nethod Sources Using Environmental Chambers, "Version Nethod Sources Using Envir
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 4.505.2	Concerts shall be installed in compliance with at least 1 of the following:     1. A 4-inch thick base of 1/2-inch or larger clean aggregate shall be provided with a vapor retarder in direct contact with concrete and a concrete mix design which will address bleeding, shrinkage and curling shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06.	CALG SECTION 4.504.2.3 4.504.3 4.504.3.1 4.504.3.2	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including r toxic compounds and ozone depleting substances, in S the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ar percent VOC by weight of product limits of Regulation 8 Carpet systems Carpet installed in the building interior shall meet the ter of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Prograr 2. California Department of Public Health, "Standard M Evaluation of Volatile Organic Chemical Emissions fir Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage <sup>TM</sup> Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall me Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall me Carpet adhesives shall meet the requirements of Table Resilient flooring system Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Orr Indoor Sources Using Environmental Chambers," Version Scollaborative for High Performance Schools (CHPS) Database
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CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 4.505.2	Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder by the California Building code, Chapter 19, or the California Building some with this section.     Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder in direct contact with concreate and a concrete mix design which will address bleeding, shrinkage and curling slall be used. For additional information, see American Concrete Institute, ACI 302.2R-06.     Cother equivalent methods approved by the enforcing agency.     A slab design specified by all ensend design professional.	CALG SECTION 4.504.2.3 4.504.3 4.504.3.1 4.504.3.2	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in S the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall a percent VOC by weight of product limits of Regulation 8 Carpet installed in the building interior shall meet the test of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Prograr 2. California Department of Public Health, "Standard M Evaluation of Volatile Organic Chemical Emissions fi Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage <sup>TM</sup> Carpet cushion installed in the building interior shall me Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the Building interior shall me Carpet cushion installed in the Building interior shall me Carpet and Rug Institute's Green Label Plus Program. Carpet adhesives shall meet the requirements of Table Resilient flooring system Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department o Method for the Testing and Evaluation of Volatile Or Indoor Sources Using Environmental Chambers, V known as Specification 01350), certified are ACHPS Collaborative for High Performance Schools (CHPS) Database 2. Products certified under UL GREENGUARD Gold (fe Children & Schools Program) 3. Certification under the Resilient Floor Covering Instit
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 – 4.505.2 4.505.2	Control of the end end of the end of th	CALG SECTION 4.504.2.3 4.504.3 4.504.3.1 4.504.3.2	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8 Carpet installed in the building interior shall meet the tess of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage TM Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall meet Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program. Carpet adhesives shall meet the requirements of Table Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Org Indoor Sources Using Environmental Chambers' Ve known as Specification 01350), certified as a CHPS Collaborative for High Performance Schools (CHPS) Database 2. Products certified under UL GREENGUARD Gold (for Children & Schools Program) 3. Certification under the Resilient Floor Covering Instit 4. Meet the California Department of Public Health, "Sta
24/G SECTION 4.504.5 continued 4.504.5.1 21/vision 4.5 – 4.505.2 4.505.2.1	Concrete slab foundations or concrete slab on-ground floors required to have a vapor retarder in direct context slab compliance with this section.     Capillary break shall be installed in compliance with this section.     Capillary break shall be installed in compliance with the following:     A slab design specified by the enforcing agency.     A slab design specified by the context mide adage agency by the california Building Code.     Chapter 19, or the California Residential Code.     Capillary break shall be installed in compliance with at least 1 of the following:     A 4-inch thick base of 1/2-inch or larger clean aggregate shall be provided with a vapor retarder in direct contact with concreate and a concreate mix design which will address bleeding, shrinkage and curing shall be used. For additional information, see American Concrete Institute, ACI 302 2R-06.     Other equivalent methods approved by the enforcing agency and shall states the effect on the reflication of the following:     Moisture content shall be determined with either a probe-type or a contact-type moisture meter. Equivalent moisture reading shal	CALG SECTION 4.504.2.3 4.504.3 4.504.3.1 4.504.3.2	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in S the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall an percent VOC by weight of product limits of Regulation 8 Carpet installed in the building interior shall meet the test of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Prograr 2. California Department of Public Health, "Standard M Evaluation of Volatile Organic Chemical Emissions fn Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage <sup>TW</sup> Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall me Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall me Carpet and Rug Institute's Green Label Plus Program. Carpet adhesives shall meet the requirements of Table Resilient flooring systems Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Ory Indoor Sources Using Environmental Chambers, "Version 1.1, February 20 Database 2. Products certified under UL GREENGUARD Gold (for Children & Schools Program) 3. Certification under the Resilient Floor Covering Instit 4. Meet the California Department of Public Health, "Sta and Evaluation of Volatile Organic Chemical Emissic Environmental Chambers," Version 1.1, February 20
24/G SECTION 4.504.5 continued 4.504.5.1 ivision 4.5 – 4.505.2 4.505.2.1	Concrete slab foundations or concrete slab or composite discovery of the following:     Concrete slab foundations or concrete slab or composite discovery of the following:     Concrete slab foundations or concrete slab or composite discovery of the following:     Concrete slab foundations or concrete slab or composite discovery of the following:     Concrete slab foundational provided as requested by the enforcing agency, and agency that the concrete slab or composite discovery of the composite discovery of the composite discovery of the composite discovery of the composite wood products: a specified in CCR, the composite wood products include hardwood plywood, particleboard, and medium density fiberboard. "Composite wood products of ont include hardboard, structural playeod, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood l-joists, or finger-joined lumber, all as specified in CCR, title 17, Section 93120.1(a).     Documentation Verification of compliance shall be provided as requested by the enforcing agency, and as required in Section 4.504.5.1.  EVIRONMENTAL QUALITY (INTERIOR MOISTURE CONTROL)     Concrete slab foundations Composite and a correcter mix design which will address bleeding, shrinkage and curling shall be used. For additional information, see American Concrete listlews correcte mix design which will address bleeding, shrinkage and curling shall be used. For additional information, see American Concrete Instated as in professional.  Moisture content shall be verified in compliance with the following: Moisture content shall be verified in compliance with the following: Moisture content shall be determined with effect are prober of contact-type moisture meter. Equivalent meticine with the ra probe-type or a contact-type moisture content shall be verified in compliance with th	CALG SECTION 4.504.2.3 4.504.3 4.504.3.1 4.504.3.2	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Wei Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Se the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8 Carpet systems Carpet installed in the building interior shall meet the tes of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Mu Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20 Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage <sup>TM</sup> Carpet cushion installed in the building interior shall meet Carpet adhesives shall meet the requirements of Table Resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department 0 Method for the Testing and Evaluation of Volatile Org Indoor Sources Using Environmental Chambers," Version 1.1, February 20 Specification 01350), certified as a CHPS 1 Collaborative for High Performance Schools (CHPS) Database 2. Products certified under UL GREENGUARD Gold (for Children & Schools Program) 3. Certification inder the Resilient Floor Covering Institt 4. Meet the California Department of Public Health, "Stat and Evaluation of Volatile Organic Chemical Emission Environmental Chambers," Version 1.1, February 20 Specification 01350)
CALG SECTION 4.504.5 continued 4.504.5.1 01vision 4.5 – 4.505.2 4.505.2.1	Concrete slab foundations or concrete slab-on-ground floors required to have a vapor retarder in direct contract slab concrete slab foundations and specified in compliance with at least 1 of the following:     1. A 4-inch thick base of 1/2-inch or larger clean agregate shall be provided with a vapor retarder in direct contact with concrete shall be installed. Wall and floor framing shall not be enclosed mean the framing members exceed 19% moisture content shall be verified in compliance with the ifore specified.	CALC SECTION 4.504.2.3 4.504.3 4.504.3.1 4.504.3.2 4.504.4	RESIDENTIAL MANDATORY M EFFECTIVE JANUARY 1, 3 2016 CALGREEN CODE REQUIREMENTS Aerosol paints and coatings shall meet the Product-Weig Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ad percent VOC by weight of product limits of Regulation 8, Carpet installed in the building interior shall meet the tess of 1 of the following: 1. Carpet and Rug Institute's Green Label Plus Program 2. California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions fr Environmental Chambers," Version 1.1, February 20: Specification 01350) 3. NSF/ANSI 140 at the Gold level 4. Scientific Certifications Systems Indoor Advantage <sup>TM</sup> Carpet cushion installed in the building interior shall meet Carpet and Rug Institute's Green Label Plus Program. Carpet cushion installed in the building interior shall meet Carpet adhesives shall meet the requirements of Table 4 Resilient flooring system Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Organic Chemical Chamberg," Version Indoor Sources Using Environmental Chamberg, Version 1.1, Products certification (1350), certified as CHPS I Collaborative for High Performance Schools (CHPS) Database 2. Products certified under UL GREENGUARD Gold (for Children & Schools Program) 3. Certification under the Resilient Floor Covering Institt 4. Meet the California Department of Public Health, "Sta and Evaluation of Volatile Organic Chemical Emissio Environmental Chambers," Version 1.1, February 20 Specification 01350) Composite wood produc
CALG SECTION 4.504.5 continued 4.504.5.1 Division 4.5 – 4.505.2 4.505.2	Concrete slab foundations or concrete slab or composite discovery of the following:     Concrete slab foundations or concrete slab or composite discovery of the following:     Concrete slab foundations or concrete slab or composite discovery of the following:     Concrete slab foundations or concrete slab or composite discovery of the following:     Concrete slab foundational provided as requested by the enforcing agency, and agency that the concrete slab or composite discovery of the composite discovery of the composite discovery of the composite discovery of the composite wood products: a specified in CCR, the composite wood products include hardwood plywood, particleboard, and medium density fiberboard. "Composite wood products of ont include hardboard, structural playeod, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood l-joists, or finger-joined lumber, all as specified in CCR, title 17, Section 93120.1(a).     Documentation Verification of compliance shall be provided as requested by the enforcing agency, and as required in Section 4.504.5.1.  EVIRONMENTAL QUALITY (INTERIOR MOISTURE CONTROL)     Concrete slab foundations Composite and a correcter mix design which will address bleeding, shrinkage and curling shall be used. For additional information, see American Concrete listlews correcte mix design which will address bleeding, shrinkage and curling shall be used. For additional information, see American Concrete Instated as in professional.  Moisture content shall be verified in compliance with the following: Moisture content shall be verified in compliance with the following: Moisture content shall be determined with effect are prober of contact-type moisture meter. Equivalent meticine with the ra probe-type or a contact-type moisture content shall be verified in compliance with th	CALG SECTION 4.504.2.3 4.504.3 4.504.3.1 4.504.3.2	<b>RESIDENTIAL MANDATORY M</b> <b>EFFECTIVE JANUARY 1, 3</b> <b>2016 CALGREEN CODE</b> <b>REQUIREMENTS</b> <b>Aerosol paints and coating</b> Section 94522(a)(2) and other requirements, including p toxic compounds and ozone depleting substances, in Set the CCR, Title 17, commencing with Section 94520; and of the Bay Area Air Quality Management District shall ac percent VOC by weight of product limits of Regulation 8, <b>Carpet systems</b> Carpet installed in the building interior shall meet the tes of 1 of the following: <ol> <li>Carpet and Rug Institute's Green Label Plus Program</li> <li>California Department of Public Health, "Standard Me Evaluation of Volatile Organic Chemical Emissions for Environmental Chambers," Version 1.1, February 20' Specification 01350)</li> <li>NSF/ANSI 140 at the Gold level</li> <li>Scientific Certifications Systems Indoor Advantage™ <b>Carpet adhesives</b> shall meet the requirements of Table 4 <b>Resilient flooring system</b></li> <li>Where resilient flooring is installed, at least 80% of floor flooring shall comply with one or more of the following:</li> <li>Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Org Indoor Sources Using Environmental Chambers," Version 1.0 Products compliant with the California Department of Method for the Testing and Evaluation of Volatile Org Indoor Sources Using Environmental Chambers," Version 2.1 Products certified under UL GREENGUARD Gold (for Children &amp; Schools Program)</li> <li>Certification under the Resilient Floor Covering Institt 4. Meet the California Department of Public Health, "Sta and Evaluation of Volatile Organic Chemical Emission Environmental Chambers," Version 1.1, February 20</li> </ol>

HCD SHL 605 (Rev. 4/16)

Page 8 of 10

Page 7 of 10

HCD SHL 605 (Rev. 4/16)



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OF

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		LEVELS ANT TO SE IVE MEASU		ENFORCIN	ERIFICATIONS	SPECIFY
		Prerequi elect	sites and ives <sup>1</sup>	Enforcing Agency	Installer or Designer	Third party
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2			
Performance Approach for Newly Constructed Buildings						
A4.203.1.1.1 An Energy Design Rating for the Proposed Design Building is included in the Certificate of Compliance documentation.		<b>⊠</b> ²	⊠²			
A4.203.1.1.2 QII procedures specified in the Building Energy Efficiency Standards Reference Residential Appendix RA3.5 are completed.		<b>⊠</b> ²	⊠²			
A4.203.1.2.1 Tier 1. Buildings complying with the first level of advanced energy efficiency shall have either an Energy Budget that is no greater than 85 percent of the Title 24, Part 6 Energy Budget for the Standard Design Building, or an Energy Design Rating showing a 15% or greater reduction in its Energy Budget component compared to the Standard Design Building, as calculated by Title 24, Part 6 Compliance Software approved by the Energy Commission.		⊠²				
A4.203.1.2.2 Tier 2. Buildings complying with the second level of advanced energy efficiency shall have either an Energy Budget that is no greater than 70 percent of the Title 24, Part 6 Energy Budget for the Standard Design Building, or an Energy Design Rating showing a 30% or greater reduction in its Energy Budget component compared to the Standard Design Building, as calculated by Title 24, Part 6 Compliance Software approved by the Energy Commission.			⊠²			
A4.203.1.2.3 Zero Net Energy Design (elective) Shall comply with all of the following: 1. Section A4.203.1.1 (Prerequisite) and:						
<ol> <li>Section A4.203.1.2.1         <ul> <li>for single family buildings in Climate Zones 6 and 7, and low-rise multifamily buildings in Climate Zones 3, 5, 6, and 7,</li> </ul> </li> </ol>						
or Section A4.203.1.2.2 • for single family buildings in Climate Zones 1-5 and 8-16, and low-rise multifamily buildings in Climate Zones 1, 2, 4, and 8-16						
<ol> <li>Energy Design Rating of zero (0) or less.</li> </ol>						

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		LEVELS ANT TO SE IVE MEASU		VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD			
		Prerequi elect	sites and ives <sup>1</sup>	Enforcing Agency	Installer or Designer	Third party	
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2				
A4.106.9 Provide bicycle parking facilities as noted below or meet a local ordinance, whichever is more stringent. Number of bicycle parking spaces may be reduced, as approved by the enforcing agency, due to building site characteristics, including but not limited to, isolation from other development.							
<ol> <li>Provide short-term bicycle parking, per Section A4.106.9.1.</li> </ol>							
<ol> <li>Provide long-term bicycle parking for multifamily buildings, per Section A4.106.9.2.</li> </ol>							
<ol> <li>Provide long-term bicycle parking for hotel and motel buildings, per Section A4.106.9.3.</li> </ol>							
<ul> <li>A4.106.10 [HR] Outdoor lighting systems shall be designed and installed to comply with:</li> <li>1. The minimum requirements in the <i>California Energy Code</i> for Lighting</li> </ul>							
Zones 1-4; and 2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and							
<ol> <li>Allowable BUG ratings not exceeding those shown in Table A4.106.10; or</li> <li>Comply with a lawfully enacted local ordinance,</li> </ol>							
whichever is more stringent. Innovative Concepts and Local		-	_		2	-	
Environmental Conditions							
A4.108.1 Items in this section are necessary to address innovative concepts or local environmental conditions.							
Item 1							
Item 2							
Item 3							
ENERGY EFFICIENCY <sup>4</sup> – LOW RISE RESIDENTIAL							
General							
4.201.1 Building meets or exceeds the requirements of the California Building Energy Efficiency Standards <sup>3</sup> .		<b>⊠</b> ²	<b>⊠</b> ²				

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FEATURE OR MEASURE			LEVELS CANT TO SELECT TIVE MEASURES			
		Prerequisites and electives <sup>1</sup>				
	Mandatory	Tier 1	Tier 2	1		
A4.405.3 Postconsumer or preconsumer recycled content value (RCV) materials are used on the project.						
Tier 1. Not less than a 10 percent recycled content value.		⊠²				
Tier 2. Not less than a 15 percent recycled content value.			⊠²			
A4.405.4 Renewable source building products are used.						
Enhanced Durability and Reduced Maintenance						
<b>4.406.1</b> Annular spaces around pipes, electric cables, conduits or other openings in plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or similar method acceptable to the enforcing agency.						
Water Resistance and Moisture Management						
A4.407.1 Install foundation and landscape drains.						
A4.407.2 Install gutter and downspout systems to route water at least 5 feet away from the foundation or connect to landscape drains which discharge to a dry well, sump, bioswale, rainwater capture system or other approved on- site location.						
A4.407.3 Provide flashing details on the building plans and comply with accepted industry standards or manufacturer's instructions.						
A4.407.4 Protect building materials delivered to the construction site from rain and other sources of moisture.						
A4.407.5 In Climate Zone 16 an ice/water barrier is installed at roof valleys, eaves and wall to roof intersections.						
A4.407.6 Exterior doors to the dwelling are protected to prevent water intrusion.						
A4.407.7 A permanent overhang or awning at least 2 feet in depth is provided.						

	APPLIC	LEVELS ANT TO SE IVE MEASU		VERIFICATIONS ENFORCING AGENCY TO SPECI VERIFICATION METHOD		
		Prerequisites and electives <sup>1</sup>		Enforcing Agency	Installer or Designer	Third party
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2			SPECIFY HOD Third
702.2 Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting.						
Verifications						
703.1 Verification of compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.						

		LEVELS ANT TO SE IVE MEASU		VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
			sites and ives <sup>1</sup>	Enforcing Agency	Installer or Designer	Third party
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2			
Construction Waste Reduction, Disposal and Recycling						
<ul> <li>4.408.1 Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with one of the following: <ol> <li>Comply with a more stringent local construction and demolition waste management ordinance; or</li> <li>A construction waste management plan, per Section 4.408.2; or</li> <li>A waste management company, per Section 4.408.3; or</li> <li>The waste stream reduction alternative, per Section 4.408.4.</li> </ol> </li> </ul>						
<ul> <li>A4.408.1 Construction waste generated at the site is diverted to recycle or salvage in compliance with one of the following:</li> <li>1. Tier 1 at least a 65 percent reduction with a third party verification.</li> <li>2. Tier 2 at least a 75 percent reduction with a third party verification.</li> <li>Exception: Equivalent waste reduction methods are developed by working with local agencies.</li> </ul>		⊠²	⊠²			
Building Maintenance and Operation	-					-
4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.						
<ul> <li>4.410.2 Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.</li> <li>Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82(a)(2)(A) et seq. will also be exempt from the organic waste portion of this section.</li> </ul>						

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			sites and ives <sup>1</sup>	Enforcing Agency	Installer or Designer	Third party
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2			
A4.106.4 Permeable paving is utilized for the parking, walking or patio surfaces in compliance with the following:						
Tier 1. Not less than 20 percent of the total parking, walking or patio surfaces shall be permeable.		⊠²				
<b>Tier 2.</b> Not less than 30 percent of the total parking, walking or patio surfaces shall be permeable.			⊠²			
A4.106.5 Roofing materials shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum aged Solar Reflectance Index (SRI) equal to or greater than the values specified in Tables A4.106.5.1(1) and A4.106.5.1(2) for low-rise residential buildings and Tables A4.106.5.1(3) and A4.106.5.1(4) for high-rise residential buildings.						
Low-Rise Residential						
Tier 1 roof covering shall meet or exceed the values contained in Table A4.106.5.1(1).		<b>⊠</b> ²				
<b>Tier 2</b> roof covering shall meet or exceed the values contained in Table A4.106.5.1(2).			⊠²			
High-Rise Residential, Hotels and Motels						
<b>Tier 1</b> roof covering shall meet or exceed the values contained in Table A4.106.5.1(3).		⊠²				
<b>Tier 2</b> roof covering shall meet or exceed the values contained in Table A4.106.5.1(4).			⊠²			
<b>A4.106.6</b> Install a vegetated roof for at least 50 percent of the roof area. Vegetated roofs shall comply with requirements for roof gardens and landscaped roofs in the <i>California Building Code</i> , Chapters 15 and 16.						
A4.106.7 Reduce nonroof heat islands for 50 percent of sidewalks, patios, driveways or other paved areas by using one or more the methods listed.						
A4.106.8.1 Tier 1 and Tier 2 for one- and two- family dwellings and townhouses with attached private garages. Install a dedicated 208/240-volt branch circuit, including an overcurrent protective device rated at 40 amperes minimum per dwelling unit.		<b>⊠</b> ²	⊠²			
A4.106.8.2 Tier 1 and Tier 2 for multifamily dwellings. Provide capability for future electric vehicle charging in 5 percent of total parking spaces, as specified.		<b>⊠</b> <sup>2</sup>	<b>⊠</b> ²			

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		LEVELS ANT TO SE		ENFORCIN	VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD			
			sites and ives <sup>1</sup>	Enforcing Agency	Installer or Designer	Third party		
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2					
4.106.4 Provide capability for electrical vehicle charging in one- and two-family dwellings and in townhouses with attached private garages; and 3 percent of total parking spaces, as specified, for multifamily dwellings.								
A4.106.2.1 Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building.								
A4.106.2.2 Soil disturbance and erosion are minimized by at least one of the following:								
<ol> <li>Natural drainage patterns are evaluated and erosion controls are implemented to minimize erosion during construction and after occupancy.</li> </ol>								
<ol> <li>Site access is accomplished by minimizing the amount of cut and fill needed to install access roads and driveways.</li> </ol>								
<ol> <li>Underground construction activities are coordinated to utilize the same trench, minimize the amount of time the disturbed soil is exposed and the soil is replaced using accepted compaction methods.</li> </ol>								
A4.106.2.3 Topsoil shall be protected or saved for reuse as specified in this section.								
Tier 1. Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion.		<b>⊠</b> ²	⊠²					
<b>Tier 2.</b> The construction area shall be identified and delineated by fencing or flagging to limit construction activity to the construction area.			⊠²					
A4.106.3 Postconstruction landscape designs accomplish one or more of the following:	1							
<ol> <li>Areas disrupted during construction are restored to be consistent with native vegetation species and patterns.</li> </ol>								
<ol> <li>Utilize at least 75 percent native California or drought tolerant plant and tree species appropriate for the climate zone region.</li> </ol>								

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Enforcing Agency	Installer or Designer	Third party	FEATURE OR MEASURE			sites and ives <sup>1</sup>
			FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2
			A4.303.2 Alternate water sources for nonpotable applications. Alternate nonpotable water sources are used for indoor potable water reduction. Alternate nonpotable water sources shall be installed in accordance with the <i>California Plumbing Code</i> .			
			A4.303.3 Appliances.			
			Install at least one qualified ENERGY STAR dishwasher or clothes washer.			
			A4.303.4 Nonwater supplied urinals or waterless toilets are installed.			
			A4.303.5 One- and two-family dwellings shall be equipped with a demand hot water recirculation system.			
			Outdoor Water Use			
			<ul> <li>4.304.1 After December 1, 2015, new residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following options:</li> <li>1. A local water efficient landscape ordinance or the current California Department of Water Resources'</li> </ul>			
			Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent, or;			
			<ol> <li>Projects with aggregate landscape areas less than 2500 square feet may comply with the MWELO's Appendix D</li> </ol>			
			Prescriptive Compliance Option.			
			A4.304.1 Rainwater catchment systems. A rainwater capture, storage and re-use system is designed and installed.			
			A4.304.2 A landscape design is installed, which does not utilize potable water.			
			A4.304.3 For new water service connections, landscaped irrigated areas less than 5,000 square feet shall be provided with separate submeters or metering devices for outdoor potable water use.			
			WATER REUSE SYSTEMS			
			A4.305.1 Piping is installed to permit future use of a graywater irrigation system served by the clothes washer or other fixtures.			
			A4.305.2 Recycled water piping is installed.			
	,		A4.305.3 Recycled water is used for landscape irrigation.			

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	A4.303.5 One- and two-family dwellings shall be equipped with a demand hot water recirculation system.					
	Outdoor Water Use					t
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	Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent, or;					
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SPECIFY		APPLI	LEVELS CANT TO SE		ENFORCIN	
Third			Prerequis	sites and	Enforcing	1
party	FEATURE OR MEASURE		electi	ves	Agency	
		equipped with a demand hot water recirculation system.         Outdoor Water Use         4.304.1 After December 1, 2015, new residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following options:         1.       A local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent, or;         2.       Projects with aggregate landscape areas less than 2500 square feet may comply with the MWELO's Appendix D Prescriptive Compliance Option.         A4.304.1 Rainwater catchment systems. A rainwater capture, storage and re-use system is designed and installed.         A4.304.2 A landscape design is installed, which does not utilize potable water.         A3.304.3 For new water service connections, landscaped irrigated areas less than 5,000 square feet shall be provided with separate submeters or metering devices for outdoor potable water use.         WATER REUSE SYSTEMS         A4.305.1 Piping is installed to permit future use of a graywater irrigation system served by the clothes washer or other fixtures.         A4.305.2 Recycled water is used for landscape irrigation.	equipped with a demand hot water recirculation system.         Outdoor Water Use         4.304.1 After December 1, 2015, new residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following options:         1.       A local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent, or;         2.       Projects with aggregate landscape areas less than 2500 square feet may comply with the MWELO's Appendix D Prescriptive Compliance Option.         A4.304.1 Rainwater cathment systems.       A rainwater capture, storage and re-use system is designed and installed.         A4.304.3 For new water service connections, landscape dirigated areas less than 5,000 square feet shall be provided with separate submeters or metering devices for outdoor potable water use.         WATER REUSE SYSTEMS       A4.305.1 Piping is installed to permit future use of a graywater irrigation system served by the clothes washer or other fixtures.         A4.305.2 Recycled water piping is installed.       A4.305.3 Recycled water is used for landscape irrigation.         SPECIFY loD       Third party	equipped with a demand hot water redirculation system.		equipped with a demand hot water recirculation

			sites and ives <sup>1</sup>	Enforcing Agency
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2	
4.504.3 Carpet and carpet systems shall be compliant with VOC limits.				
4.504.4 80 percent of floor area receiving resilient flooring shall comply with specified VOC criteria.				
<b>4.504.5</b> Particleboard, medium density fiberboard (MDF), and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.				
A4.504.1 Use composite wood products made with either California Air Resources Board approved no-added formaldehyde (NAF) resins or ultra-low emitting formaldehyde (ULEF) resins.				
A4.504.2 Install VOC compliant resilient flooring systems.				
Tier 1. At least 90 percent of the resilient flooring installed shall comply.		⊠²		
Tier 2. At least 100 percent of the resilient flooring installed shall comply.			⊠²	
A4.504.3 Thermal insulation installed in the building shall meet the following requirements:				
Tier 1. Install thermal insulation in compliance with VOC limits.		<b>⊠</b> ²		
Tier 2. Install insulation which contains No- Added Formaldehyde (NAF) and is in compliance with Tier 1.			⊠²	
Interior Moisture Control				
4.505.2 Vapor retarder and capillary break is installed at slab on grade foundations.				
4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.				
Indoor Air Quality and Exhaust				
4.506.1 Exhaust fans which terminate outside the building are provided in every bathroom.				

LEVELS CANT TO SELECT TIVE MEASURES		VERIFICATIONS ENFORCING AGENCY TO VERIFICATION METH		SPECIFY		APPLIC	LEVELS ANT TO SE		EN
	isites and tives 1	Enforcing Agency	Installer or Designer	Third party	FEATURE OR MEASURE			isites and tives <sup>1</sup>	Enfo
Tier 1	Tier 2				FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2	
					Innovative Concepts and Local Environmental Conditions				
⊠²					A4.306.1 Items in this section are necessary to address innovative concepts or local environmental conditions.				
<u>M</u> -					Item 1				1
	⊠²				Item 2				1
					Item 3				(
					MATERIAL CONSERVATION AND RESOURCE EFFICIENCY				
					Foundation Systems				-
					A4.403.1 A Frost-Protected Shallow Foundation (FPSF) is designed and constructed.				(
					A4.403.2 Cement use in foundation mix design is reduced.				1
					Tier 1. Not less than a 20 percent reduction in cement use.		⊠²		
					Tier 2. Not less than a 25 percent reduction in cement use.			⊠²	
					Efficient Framing Techniques				
					A4.404.1 Beams and headers and trimmers are the minimum size to adequately support the load.				(
					A4.404.2 Building dimensions and layouts are designed to minimize waste.				(
					A4.404.3 Use pre-manufactured building systems to eliminate solid sawn lumber whenever possible.				(
					A4.404.4 Material lists are included in the plans which specify material quantity and provide direction for on-site cuts.				(
<u> 182</u>	10000			100	Material Sources				
					A4.405.1 One or more of the following building materials, that do not require additional resources for finishing are used: 1. Exterior trim not requiring paint or stain.				(
					a loose at the loose and				I
_			1		<ol> <li>Windows not requiring paint or stain.</li> <li>Siding or exterior wall coverings which</li> </ol>				
	and the second s			100-00	do not require paint or stain.				
					A4.405.2 Floors that do not require additional coverings are used including but not limited to stained, natural, or stamped concrete floors.				1
								L	1

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	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
			sites and ives <sup>1</sup>	Enforcing Agency	Installer or Designer	Third party
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2			
A4.506.1 Return air filters with a value greater than MERV 6 shall be installed on HVAC systems. Pressure drop across the filter shall not exceed 0.1 inches water column.						
A4.506.2 (HR). Provide filters on return air openings rated at MERV 6 or higher during construction when it is necessary to use HVAC equipment.						
A4.506.3 Direct vent appliances shall be used when equipment is located in conditioned space; or the equipment must be installed in an isolated mechanical room.						
Environmental Comfort					-	
<ul> <li>4.507.2. Duct systems are sized, designed and equipment is selected using the following methods: <ol> <li>Establish heat loss and heat gain values according to ANSI/ACCA 2 Manual J - 2011 or equivalent.</li> <li>Size duct systems according to ANSI/ACCA 1 Manual D - 2014 or equivalent.</li> <li>Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 or equivalent.</li> </ol> </li> </ul>						
Innovative Concepts and Local Environmental Conditions						
A4.509.1 Items in this section are necessary to address innovative concepts or local environmental conditions.						
Item 1						
Item 2						
Item 3						
INSTALLER AND SPECIAL INSPECTOR						
QUALIFICATIONS Qualifications			1			
<b>702.1</b> HVAC system installers are trained and certified in the proper installation of HVAC systems.			1,			

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		LEVELS ANT TO SE		ENFORCIN	ERIFICATIONS G AGENCY TO FICATION MET	SPECIFY
			Prerequisites and electives <sup>1</sup>		Installer or Designer	Third party
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2			
PLANNING AND DESIGN			- F			
Site Selection			-			
<ul> <li>A4.103.1 A site which complies with at least one of the following characteristics is selected:</li> <li>1. An infill site is selected.</li> <li>2. A greyfield site is selected.</li> <li>3. An EPA-recognized Brownfield site is selected.</li> </ul>						
<ul> <li>A4.103.2 Facilitate community connectivity by one of the following methods:</li> <li>1. Locate project within a 1/4-mile true walking distance of at least 4 basic services;</li> </ul>						
<ol> <li>Locate project within 1/2-mile true walking distance of at least 7 basic services; or</li> <li>Other methods increasing access to additional resources.</li> </ol>						
Site Preservation		-	-			-
A4.104.1 An individual with oversight responsibility for the project has participated in an educational program promoting environmentally friendly design or development and has provided training or instruction to appropriate entities.						
Deconstruction and Reuse of Existing Materials						
<ul> <li>A4.105.2 Existing buildings are disassembled for reuse or recycling of building materials. The proposed structure utilizes at least one of the following materials which can be easily reused: <ol> <li>Light fixtures.</li> <li>Doors and trim.</li> <li>Masonry.</li> <li>Electrical devices.</li> <li>Appliances.</li> <li>Foundations or portions of foundations.</li> </ol> </li> </ul>						
Site Development						
4.106.2 A plan is developed and implemented to manage storm water drainage during construction.						
4.106.3 Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.						

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			ENFORCI	NG AGENCY TO	SPECIFY
			Enforcing Agency	Installer or Designer	Third party
Mandatory	Tier 1	Tier 2		All	
	⊠²				
		⊠²			
nresidential	Occupan	ies Annlic	ation Check	liet	
licoldenida	I			ilor	1
	1 APPLI ELEC Mandatory	Image: Constraint of the second se	Image: Constraint of the second se	Image: Second secon	Image: series of the series

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forcing gency	Installer or Designer	Third party			
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VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD

Enforcing Installer or Third Agency Designer party

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		LEVELS ANT TO SE		VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
		Prerequisites and electives <sup>1</sup>		Enforcing Agency	Installer or Designer	Third party
FEATURE OR MEASURE	Mandatory	Tier 1	Tier 2			
Innovative Concepts and Local Environmental Conditions						
<b>A4.411.1</b> Items in this section are necessary to address innovative concepts or local environmental conditions.						
Item 1						
Item 2						
Item 3						
ENVIRONMENTAL QUALITY		-				
Fireplaces			0		0	
<b>4.503.1</b> Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with US EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.						
Pollutant Control			0			
<b>4.504.1</b> Duct openings and other related air distribution component openings shall be covered during construction.						
<b>4.504.2.1</b> Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.						
4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.						
<b>4.504.2.3</b> Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds.						
4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.						

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ALL DRAWIN APPEARING AND UNPUB DESIGNER, J USED WITHO OF THE DES	HEREIN LISHED AND MA OUT THE	ARE THE WORK OF Y NOT BE WRITTEN	ORIGINAL THE COPIED OR CONSENT					
OWNER								
<b>CHRIS &amp; JANNY SANDERS</b>	0 GUIBAL AVE. GILROY CA. 95020	835-11-124	RESIDENTIAL OCCUPANCIES CHECKLIST					
MARK DATE	DES	CRIPTION	I					
PROJECT NO: 835-11-124 CAD DWG FILE: E:\Active Project\0 Guibal Ave\Dwg's\House Structure DRAWN BY: Authorn.rvt CHK'D BY: Checker COPYRIGHT: 2019 JER DESIGN GROUP SHEET TITLE								
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PA R 36'-0"	ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN ARE THE ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER, AND MAY NOT BE COPIED OR USED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER OR ARCHITECT.
RAGE BASSEMBLY OVYALLS BASSEMBLY	CHRIS & JANNY SANDERS D GUIBAL AVE. GILROY CA. 95020 835-11-124 SITE PLAN
NORTH	MARK       DATE       DESCRIPTION         1       190923       PLANNING         PROJECT NO:       835-11-124         CAD DWG FILE:       E:\Active Project\0 Guibal         Ave\Dwg's\House Structure -       DRAWN BY:         Authorn.rvt       CHK'D BY:       Checker         COPYRIGHT:       2019         JER DESIGN GROUP       SHEET TITLE         A1.0       A1.0
PLN19-0196	SHEET OF



<ul> <li>FLOOR PLAN NOTES</li> <li>ALL FLOOR PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, U.O.N. WHERE CLEAR DIMENSION IS INDICATED, IT SHALL BE FROM FACE OF FINISH TO FACE OF FINISH. WHERE CENTERLINE DIMENSION IS INDICATED, IT SHALL BE FROM CENTERLINE OF OBJECT NOTED.</li> <li>CONTRACTOR TO PROVIDE RECESSED BOXES BEHIND ALL REFRIGERATORS ICE-MAKERS &amp; WATER LINE AND <u>WASHER/DRYER</u>. CAULKING ALL AROUND RECESSED BOXES</li> <li>REFER TO PROJECT INFORMATION SHEET FOR ROOF/ATTIC &amp; UNDERFLOOR VENTILATION CALCULATIONS.</li> <li>PROVIDE FLOORING TRANSITION STRIP BETWEEN DISSIMILAR MATERIALS.</li> <li>MECHANICAL &amp; PLUMBING VENTS THROUGH EXTERIOR WALLS SHALL BE EQUIPPED WITH WALL CAP, BUILT-IN BACKDRAFT DAMPER &amp; BIRD SCREEN.</li> <li>MELAND URBAN INTERFACE FIRE HAZARD AREA A. EXTERIOR WALL COVERING ARE CONSTRUCTED OF NON- COMBUSTIBLE MATERIALS.</li> <li>B. EXTERIOR WALL COVERING ARE CONSTRUCTED OF NON- COMBUSTIBLE MATERIALS.</li> <li>B. EXTERIOR WALL VENTS (CRAWL SPACE VENTS, COMBUSTION AIR VENTS, ETC. )SPECIFY SUCH OPENING SHALL BE COVERED W/CORROSION-RESISTANT NON-COMBUSTIBLE WIRE MESH WITH MESH OPENINGS OF 1/8 INCH MAX. PER CRC R337.6.2.</li> <li>FOR ROOM FINISHES, SEE ROOM FINISH SCHEDULE SHEET</li> <li>SEE INTERIOR ELEVATION SHEETS FOR MOUNTING HEIGHTS OF BATHROOM ACCESSORIES, COUNTERTOP HEIGHTS.</li> </ul>	PLANNING-DESIGN-RENDERING email: jer@jerdesigngroup.com 408.843.8067 c
<ol> <li>SEE SHEET A-0.1 FOR ABBREVIATIONS, LEGENDS, SYMBOLS.</li> <li>WHERE DOOR LOCATIONS ARE NOT SPECIFIED, CENTER IN WALL OR INSTALL 4" FROM FACE OF ADJACENT WALL FRAMING.</li> <li>ALL INTERIOR WALLS TO BE WALL TYPE C U.O.N SEE WALL LEGEND.</li> <li>EACH BEDROOM AND OUTSIDE SLEEPING AREA, PROVIDED WITH A SMOKE AND CARBON MONOXIDE DETECTORS INSTALLED IN A ACCORDANCE WITH CRC. R.315 CARBON MONOXIDE ALARMS COMBINED WITH SMOKE SHALL COMPLY WITH SECTION R315, ALL APPLICABLE STANDARD, AND REQUIREMENTS FOR LISTING AND APPROVAL BY THE OFFICE OF THE STATE FIRE MARSHAL, FOR SMOKE ALARM.</li> <li>FLOOR PLAN KEYNOTES</li> <li>101 TOILET- SELECTED BY OWNER</li> </ol>	ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN ARE THE ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER, AND MAY NOT BE COPIED OR USED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER OR ARCHITECT.
02     TOILET-PAPER HOLDER - SELECTED BY OWNER       03     PEDESTAL SINK - SELECTED BY OWNER	
04       MIRROR - SEE INTERIOR ELEVATIONS FOR DIMENSIONS         05       TOWEL BAR TO BE SELECTED - PROVIDE BLKG IN WALL         06       COUNTER TOP - SELECTED BY OWNER         07       SHOWER, SEE DT       AND       , SHOWER SURROUND -         08       SHOWER SHELF - SELECTED BY OWNER       9         09       SHOWER HEAD - SELECTED BY OWNER       9         10       PULL DOWN ATTIC ACCESS, SEE DTL.       11         11       LAVATORY AND FAUCET - SELECTED BY OWNER         12       GAS FIREPLACE - SELECTED BY OWNER         13       ADJUSTABLE SHOWER HEAD WIHANDSHOWER - SELECTED BY OWNER         14       WALK-IN BATH TUB EQUIPPED WITH EXTENSION BOX TO FIT OPENING, SEE OTL.         15       DISHWASHER - SEE APPLIANCE & EQUIPMENT SCHEDULE         16       MUNDERMOUNT FARM SINK, KITCHEN SINK WITH GRABGE DISPOSAL - SELECTED BY OWNER         17       UNDERMOUNT FARM SINK, KITCHEN SINK WITH GRABGE OCOKTOP - SEE APPLIANCE & EQUIPMENT SCHEDULE         18       GAS RANGE COOKTOP - SEE APPLIANCE & EQUIPMENT SCHEDULE         19       KITCHEN ISLAND         20       WINE COOLER - SELECTED BY OWNER         21       MILLWORK FINISH TO BE SELECTED BY OWNER         22       UNDERMOUNT VANITY SINK - SELECTED BY OWNER         23       BAR SINK - SELECTED BY OWNER, SEE DTL .	ORUIBAL AVE. GILROY CA. 95020 0 GUIBAL AVE. GILROY CA. 95020 835-11-124 PROPOSED FLOOR PLAN
33 TEMPER GLASS PANEL DOOR	MARK DATE DESCRIPTION
<ul> <li>34 BUILT-IN CABINET FOR TELEVISION</li> <li>35 LAUNDRY SINK - SELECTED BY OWNER</li> <li>36 PROVIDE HOT &amp; COLD WATER ROUGH-IN FOR N.I.C. WATER SOFTENER</li> <li>37 CLOTHES ROD WITH 12" DEEP FIXED SHELF ABOVE, SEE DTL.</li> <li>38 HANDRAIL - SEE DTL.</li> <li>39 BUILT-IN MILLWORK - SEE INTERIOR ELEVATIONS. REFER TO MILLWORK DESIGN</li> <li>40 COLUMNS MDO WITH STONE VENEER BASE, SEE DTL.</li> <li>41 ROOF LINE ABOVE</li> <li>42 LINEN CLOSET - PROVIDE 5-20" DEEP SHELVES - DETERMINE SPACING ON JOB WITH ARCHITECT &amp; CLIENT.</li> <li>43 PANTRY SHELVES - PROVIDE ADJUSTABLE SHELVES</li> <li>44 CRAWL SPACE VENTILATION AREAWAY - EXISTING LOCATION</li> <li>45 PATIO DECK CONCRETE OR COMPOSITE ASSEMBLY BY TREX OR EQUAL. COLOR TO BE SELECTED BY OWNER. (TO BE DETERMINED BY OWNER).</li> <li>46 ROOF VENT (VENTILATION) OHAGIN 72 SQ.IN. NFVA. OR EQUAL, SEE DTI</li> </ul>	PROJECT NO: 835-11-124 CAD DWG FILE: E:\Active Project\0 Guibal Ave\Dwg's\House Structure DRAWN BY: Authorn.rvt CHK'D BY: Checker COPYRIGHT: 2019 JER DESIGN GROUP SHEET TITLE A11.1
SEE DTL.       47       CONCRETE SLAB	
48 PRE-FABRICATED COLUMN COVER, SEE DTL.	SHEET OF

PLN19-0196 201116



	F	LOOR PLAN NOTES	
	1.	ALL FLOOR PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, U.O.N. WHERE CLEAR DIMENSION IS INDICATED, IT SHALL BE FROM FACE OF FINISH TO FACE OF FINISH. WHERE CENTERLINE DIMENSION IS INDICATED, IT SHALL BE FROM CENTERLINE OF OBJECT NOTED.	
	2.	CONTRACTOR TO PROVIDE RECESSED BOXES BEHIND ALL REFRIGERATORS ICE-MAKERS & WATER LINE AND <u>WASHER/DRYER</u> . CAULKING ALL AROUND RECESSED BOXES	
	3. 4.	REFER TO PROJECT INFORMATION SHEET FOR ROOF/ATTIC & UNDERFLOOR VENTILATION CALCULATIONS. PROVIDE FLOORING TRANSITION STRIP BETWEEN DISSIMILAR MATERIALS.	
<b>1</b>	4. 5.	MECHANICAL & PLUMBING VENTS THROUGH EXTERIOR WALLS SHALL BE EQUIPPED WITH WALL CAP, BUILT-IN BACKDRAFT DAMPER & BIRD	
		<ul> <li>SCREEN.</li> <li>WILDLAND URBAN INTERFACE FIRE HAZARD AREA</li> <li>A. EXTERIOR WALL COVERING ARE CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS.</li> <li>B. EXTERIOR WALL VENTS (CRAWL SPACE VENTS, COMBUSTION AIR VENTS, ETC.)SPECIFY SUCH OPENING SHALL BE COVERED W/CORROSION-RESISTANT NON-COMBUSTIBLE WIRE MESH WITH MESH OPENINGS OF 1/8 INCH MAX. PER CRC R337.6.2.</li> </ul>	PLANING-DESIGN-RENDERING email: jer@jerdesigngroup.com 408.843.8067 c
	6. 7. 8.	FOR ROOM FINISHES, SEE ROOM FINISH SCHEDULE SHEET SEE INTERIOR ELEVATION SHEETS FOR MOUNTING HEIGHTS OF BATHROOM ACCESSORIES, COUNTERTOP HEIGHTS. SEE SHEET A-0.1 FOR ABBREVIATIONS, LEGENDS, SYMBOLS.	
	9. 10.	WHERE DOOR LOCATIONS ARE NOT SPECIFIED, CENTER IN WALL OR INSTALL 4" FROM FACE OF ADJACENT WALL FRAMING. ALL INTERIOR WALLS TO BE WALL TYPE C U.O.N SEE WALL LEGEND.	
	11.	EACH BEDROOM AND OUTSIDE SLEEPING AREA, PROVIDED WITH A SMOKE AND CARBON MONOXIDE DETECTORS INSTALLED IN A ACCORDANCE WITH CRC. R.315 CARBON MONOXIDE ALARMS COMBINED WITH SMOKE SHALL COMPLY WITH SECTION R315, ALL APPLICABLE STANDARD, AND REQUIREMENTS FOR LISTING AND APPROVAL BY THE OFFICE OF THE STATE FIRE MARSHAL, FOR SMOKE ALARM.	ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN ARE THE ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER, AND MAY NOT BE COPIED OR
	FLC	OR PLAN KEYNOTES	USED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER OR ARCHITECT.
	01	TOILET- SELECTED BY OWNER	
	02	TOILET-PAPER HOLDER - SELECTED BY OWNER	
	03	PEDESTAL SINK - SELECTED BY OWNER	
	04	MIRROR - SEE INTERIOR ELEVATIONS FOR DIMENSIONS TOWEL BAR TO BE SELECTED - PROVIDE BLKG IN WALL	OWNER
	06	COUNTER TOP - SELECTED BY OWNER	
	07	SHOWER, SEE DTL. AND , SHOWER SURROUND - SELECTED BY OWNER	
	08	SHOWER SHELF - SELECTED BY OWNER	S Z
	09	SHOWER HEAD - SELECTED BY OWNER	PLAN
	10	PULL DOWN ATTIC ACCESS, SEE DTL.	
	11	LAVATORY AND FAUCET - SELECTED BY OWNER GAS FIREPLACE - SELECTED BY OWNER	502 NS
	13	ADJUSTABLE SHOWER HEAD W/HANDSHOWER - SELECTED BY OWNER	96 OV
- 11-	14	WALK-IN BATH TUB EQUIPPED WITH EXTENSION BOX TO FIT OPENING,	
61.	15	SEE DTL. DISHWASHER - SEE APPLIANCE & EQUIPMENT SCHEDULE	υ Ž
	16	REFRIGERATOR SPACE, PROVIDE RECESSED BOX FOR WATERLINE & SHUT-OFF VALVE IN WALL FOR ICE MAKER - SEE APPLIANCE & EQUIPMENT SPEC. UNDERMOUNT FARM SINK, KITCHEN SINK WITH	Y SAND ROY CA. 9502 24 24 DIMENSIONS
	18	GARBAGE DISPOSAL - SELECTED BY OWNER GAS RANGE COOKTOP - SEE APPLIANCE & EQUIPMENT SCHEDULE	
	19	KITCHEN ISLAND	VE. GIL 835-11-7 DOR W/I
	20	WINE COOLER - SELECTED BY OWNER	
	21	MILLWORK FINISH TO BE SELECTED BY OWNER - SEE INTERIOR ELEVATIONS	
	22	UNDERMOUNT VANITY SINK - SELECTED BY OWNER	
	23	BAR SINK - SELECTED BY OWNER, SEE DTL . WALL-MOUNTED RANGE HOOD - SEE APPLIANCE & EQUIPMENT	AL AL
	24 25	SCHEDULE TEMPERED GLASS SHOWER SCREEN & DOOR	
		CLOTHES DRYER - PROVIDE VENT TO EXTERIOR WITH BACKDRAFT DAMPER IN	CHRIS 0 GUIE PROPOSE
	26	ACCORDANCE WITH CMC 504.3.2 - SEE APPLIANCE & EQUIPMENT SCHEDULE	
	27	CLOTHES WASHER - PROVIDE PLUMBING & GALVANIZED FLASHING PAN UNDER UNIT & RECESSED VALVE AND DRAIN BOX IN WALL	
	28	PROVIDE NEW TEMPERED SHOWER GLASS DOOR WITH TOWEL BAR	
	29	CABINET SYSTEMS - N.I.C. TO BE PROVIDED & INSTALLED BY OWNER	
	30	DOWNSPOUT BUILT-IN MICROWAVE & OVEN - SELECTED BY OWNER	
	31	UNDERCOUNTER LAZY SUSAN UNIT	
	33	TEMPER GLASS PANEL DOOR	MARK DATE DESCRIPTION
	34	BUILT-IN CABINET FOR TELEVISION	
	35	LAUNDRY SINK - SELECTED BY OWNER	
	36	PROVIDE HOT & COLD WATER ROUGH-IN FOR N.I.C. WATER SOFTENER	
	37	CLOTHES ROD WITH 12" DEEP FIXED SHELF ABOVE, SEE DTL.	
	38		
	39	BUILT-IN MILLWORK - SEE INTERIOR ELEVATIONS. REFER TO MILLWORK DESIGN	PROJECT NO: 835-11-124
+	40	COLUMNS MDO WITH STONE VENEER BASE, SEE DTL.	CAD DWG FILE: E:\Active Project\0 Guibal Ave\Dwg's\House Structure DRAWN BY: Authorn.rvt
	41	ROOF LINE ABOVE LINEN CLOSET - PROVIDE 5-20" DEEP SHELVES - DETERMINE	CHK'D BY: Checker
	43	SPACING ON JOB WITH ARCHITECT & CLIENT. PANTRY SHELVES - PROVIDE ADJUSTABLE SHELVES	COPYRIGHT: 2019
	44	CRAWL SPACE VENTILATION AREAWAY - EXISTING LOCATION	JER DESIGN GROUP SHEET TITLE
	45	PATIO DECK CONCRETE OR COMPOSITE ASSEMBLY BY TREX OR EQUAL. COLOR TO BE SELECTED BY OWNER. (TO BE DETERMINED BY OWNER).	
	46	ROOF VENT (VENTILATION) OHAGIN 72 SQ.IN. NFVA. OR EQUAL,	
		SEE DTL.	A1.1a
	47		
	48	PRE-FABRICATED COLUMN COVER, SEE DTL.	
			SHEET OF
		PLN19-0196	201116



1 ADU STRUCTURE 3/16" = 1'-0"



2 POOL HOUSE STRUCTURE 3/16" = 1'-0"

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	ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN ARE THE ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER, AND MAY NOT BE COPIED OR USED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER OR ARCHITECT.
	CHRIS & JANNY SANDERS CHRIS & JANNY SANDERS 0 GUIBAL AVE. GILROY CA. 95020 835-11-124 R35-11-124 POOL / ADU STRUCTURE'S
_	MARK DATE DESCRIPTION
	PROJECT NO: 835-11-124 CAD DWG FILE: E:\Active Project\0 Guibal Ave\Dwg's\House Structure DRAWN BY: Authorn.rvt CHK'D BY: Checker COPYRIGHT: 2019 JER DESIGN GROUP SHEET TITLE A1.1b
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	ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN ARE THE ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER, AND MAY NOT BE COPIED OR USED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER OR ARCHITECT.
	CHRIS & JANNY SANDERS D GUIBAL AVE. GILROY CA. 95020 835-11-124 R35-11-124 PROPOSED ROOF PLAN
	MARK DATE DESCRIPTION
	PROJECT NO: 835-11-124 CAD DWG FILE: E:\Active Project\0 Guibal Ave\Dwg's\House Structure DRAWN BY: Authorn.rvt CHK'D BY: Checker COPYRIGHT: 2019 JER DESIGN GROUP SHEET TITLE
PLN19-0196	A1.2 SHEET OF 201116







Rev. #	DESCRIPTION	DATE	PROFESSION	ardon
			SU SUAD AND C	Engineering & Inspections LLC
			67218 Em (130/22	Rebecca Lindema
			or com with	303.517.8189 Rebecca_jardon@ou PO Box 772143
			11/30/2020	Steamboat Springs, G

SANDERS RESIDENCE LOT 124 - BOOK 853 - PAGE 11 nan, P.E. **GUIBAL AVE., GILROY** SANTA CLARA COUNTY, CALIFORNIA 95020 utlook.com CO 80477

# **NOVEMBER 2020** PRELIMINARY **GRADING PLAN**

**C**1

SHEET #

(CY)	
	(CY)

	LEGEND
	PROPERTY BOUNDARY
	EXISTING SETBACK
	PROPOSED EDGE OF ROAD
	EXISTING EDGE OF ROAD
	PROPOSED BUILDING
	EXISTING 1-FT CONTOUR
	EXISTING 5-FT CONTOUR
	PROPOSED 1-FT CONTOUR
	PROPOSED 5-FT CONTOUR
	EXISTING GRAVEL
XEXE	UNDERGROUND ELECTRICAL LINE
	PROPOSED DITCH
	ADJACENT PROPERTY LINE
x x	FENCE



Rebecca Lindeman, P.E.

303.517.8189 Rebecca Jardon@outlook.com

PO Box 772143 Steamboat Springs, CO 80477

Rev. #	DESCRIPTION	DATE	- Cilardon
			Engineering & inspections LLC
			- Rebecca Linder
			303.517.8189 Rebecca Jardon@ PO Box 772143
	· · · · · · · · · · · · · · · · · · ·		

SANDERS RESIDENCE LOT 124 - BOOK 853 - PAGE 11 **GUIBAL AVE., GILROY** SANTA CLARA COUNTY, CALIFORNIA 95020

EXISTING GRAVEL EARTHWORK QUANTITES FILL (CY) NET 85 - 45 CUT (CY) DRIVEWAY & ACCESS ROAD 40 PROPOSED DITCH 445 -420 25 540 1120 LANDSCAPING & DRAINAGE 1190 1120 ADJACENT PROPERTY LINE +650 ------ x ------ FENCE

#### **NOVEMBER 2020** CONCEPTUAL DISPERSAL SYSTEM LAYOUT

DRAINAGE BASIN #2 17,372 SQ FT

THREE 2,500 GAL UNDERGROUND POLY --CISTERNS FOR RETENTION

(TYP). INLET FLUSH AT SURFACE

SHEET #

LEGEND

PROPOSED EDGE OF ROAD

PROPERTY BOUNDARY

EXISTING SETBACK

EXISTING EDGE OF ROAD

EXISTING 1-FT CONTOUR

EXISTING 5-FT CONTOUR

PROPOSED 5-FT CONTOUR

PROPOSED BUILDING

PROPOSED 1-FT CONTOUR