## STRUCTURAL ABBREVIATIONS

	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	0	ΔΤ	ו אדע ו	
	AB	ANCHOR BOLT		LIVE LOAD
	ABV	ABOVE	LLH	LONG LEG HORIZONTAL
	AGGR	AGGREGATE	LLV	LONG LEG VERTICAL
	ALT	ALTERNATE	LS	LAG SCREW
	APA	AMERICAN PLYWOOD ASSOCIATION	LVV	
	APPROX	APPROXIMATE	ΜΔΧ	ΜΑΧΙΜΙΙΜ
	ARCH'L	ARCHITECTURAL	MB	MACHINE BOLT
			MECH'L	MECHANICAL
	BLDG	BUILDING	MFR	MANUFACTURER
	BLKG	BLOCKING	MISC	MISCELLANEOUS
	BM	BELOW	MIL	METAL
	BOC	BOTTOM OF CONCRETE	(N)	NEW
	BOF	BOTTOM OF FOOTING	No.	NUMBER
	BOT	BOTTOM	NS	NEAR SIDE
	BRG	BEARING	NTS	NOT TO SCALE
	BIWN	BEIWEEN	NW	NORMAL WEIGHT
	CBC	CALIFORNIA BUILDING CODE	00	
	CC	CENTER TO CENTER	OD	OUTSIDE DIAMETER
	CIP	CAST IN PLACE	OH	OPPOSITE HAND
	CJ	CONSTRUCTION OR CONTROL	OPNG	OPENING
	CIP		OSB	ORIENTED STRAND BOARD
	001	PENETRATION	OVS	OVERSIZED
	CL	CENTERLINE	IBS or #	POUNDS
	CLR		PC	PIECE
	CMU		PERP	PERPENDICULAR
		CONCRETE	PJP	PARTIAL JOINT PENETRATION
	CONN	CONNECTION	PL DT	
	CONT	CONTINUOUS		PRESSURE IREATED
	CONTR	CONTRACTOR	I VV	
	CP		R	RADIUS
	CSK		REINF	REINFORCING
	UIK	CENTER	REQ'D	REQUIRED
	DBL	DOUBLE	20	
	DF	DOUGLAS FIR	SC	
	DIA or ø	DIAMETER	SHTG	SHEATHING
	DIAG	DIAGONAL	SIM	SIMILAR
	DIM		SMS	SHEET METAL SCREW
		DITTO	SOG	SLAB ON GRADE
	DWG	DRAWING	SP	
			SQ	SQUARE
	(E)	EXISTING	STD	STANDARD
	EA	EACH	STFNR	STIFFENER
	EF	EACH FACE	STGRD	STAGGERED
	EL	ELEVATION	SIL	STELL
	ELECT	ELECTRICAL	SYM	SYMMETRICAL
	EMBED	EMBEDMENT	0.111	
	EN	EDGE NAILING	T&B	TOP AND BOTTOM
	EOS EO		T&G	TONGUE & GROOVE
	Ea	EARTHQUAKE		
	EQUIV	EQUIVALENT	TOC	
	ES	EACH SIDE	TOF	TOP OF FOOTING
	EW	EACH WAY	ТОМ	TOP OF MASONRY
	EVVEF FYT		TOS	TOP OF STEEL
			TOT	
	FB	FACE OF BLOCK (OR BRICK)		TYPICAI
		OR FLAT BAR	1 1 1	
	FC	FACE OF CONCRETE OR	UNO	UNLESS NOTED OTHERWISE
			UON	UNLESS OTHERWISE NOTED
	FDN	FOUNDATION		
	FF	FINISH FLOOR	VERT	VERTICAL
	FG		W/	WITH
	r∟r FN		WD	WIND
	FOC	FACE OF CURB	WF	WIDE FLANGE
	FS	FACE OF STUD OR FAR SIDE	WP	WORK POINT
	FT(')	FOOT/FEET OR FIRE TREATED	WT	
	FTG	FOOTING	VVVF	WELDED WIKE FABRIC
	GA			
	GALV	GALVANIZED		
	GLB	GLUED LAMINATED BEAM		
	HB	HEADED BOLT		
	HDR	HEADER		
	HSB	HIGH STRENGTH BOLT		
	HSS	HOLLOW STRUCTURAL STEEL		
	HT	HEIGHT		
	15			
L	ID	INSIDE DIAMETER		

## CONCRETE

1.	STRUCTURAL CONCRETE SHALL ATTAIN 28 DAY COMPRESSIVE S MAXIMUM SLUMP SHALL NOT EXCEED 4 INCHES.
2.	CONCRETE MIX DESIGNS SHALL BE PREPARED BY A REGISTERED TESTING LABORATORY AND SUBMITTED TO THE STRUCTURAL EN
3.	CEMENTITIOUS MATERIALS: CEMENT SHALL CONFORM TO ASTM C-150 TYPE II. FLY ASH SHALL CONFORM TO ASTM C-618. MAX QUANTITY OF FLY UNO).
4.	CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33 FOR N FOR LIGHTWEIGHT CONCRETE.
5.	NON-SHRINK GROUT OR DRYPACK SHALL CONSIST OF A PREMIXE
6.	REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 40 FOR #3 AND SMALLER, EXCEPT REINFORCING STEEL TO BE WI CONTRACTOR SHALL SUBMIT REBAR MILL CERTIFICATES.
7.	ALL PREHEATING AND WELDING OF REINFORCING BARS SHALL B LATEST EDITION AND SHALL BE CONTINUOUSLY INSPECTED BY A SHALL FURNISH WPS FOR ALL REBAR WELDING TO THE LABORAT
8.	REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MA REINFORCED CONCRETE CONSTRUCTION".
9.	DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO TH COVERAGE. NON-PRESTRESSED, CAST-IN-PLACE CONCRETE CO CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXC CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLA #5 AND SMALLER 1-1/2" #6 AND LARGER 2" SLABS (ON FORMS) 3/4"
	SLABS (ON GROUND) 2" CLEAR FI
10.	SPLICES IN CONTINUOUS REINFORCEMENT SHALL BE LAPPED UN ADJACENT BARS SHALL BE GREATER THAN 5'-0" APART. SPLICE ( BEAMS, STRUCTURAL SLABS ON GRADE AND MAT FOUNDATIONS OF SUPPORT; BOTTOM BARS AT MID-SPAN. SPLICE CONTINUOUS AS FOLLOWS UNO: TOP BARS AT MID-SPAN; BOTTOM BARS AT CE
11.	THE MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A LA OF BAR DIAMETER, 1", OR 33% GREATER THAN THE MAXIMUM AG GREATEST. THIS REQUIREMENT ALSO APPLIES TO THE CLEAR SI PARALLEL BARS AND TO THE CLEAR DISTANCE BETWEEN A CON BARS.
12.	ALL HOOKS SHALL BE STANDARD HOOKS UNLESS OTHERWISE SHOOKS AT ENDS OF ALL REINFORCING AT ENDS, CORNERS AND
13.	CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LAITAN CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURF SURFACE TO PROVIDE 1/4" DEEP DEFORMATIONS.
14.	REMOVE ALL DEBRIS FORM FORMS BEFORE CASTING ANY CONC
15.	REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
16.	ANCHOR BOLTS (AB's) CAST IN CONCRETE OR MASONRY FOR WA HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM A307 FOR REQUIREMENTS FOR ANCHOR RODS (AR'S) CAST IN CONCRE EMBED APPLICATIONS.
17.	DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FR
18.	CONSOLIDATE CONCRETE PLACED IN FORMS BY MECHANICAL VI HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT AND PE CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTIC CONCRETE AND PROJECT CONDITIONS. CONCRETE SHALL NOT I (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES TRUNKS OF VARIABLE LENGTHS SHALL BE USED SO THAT THE FE NOT EXCEED 6 FEET.
19.	DRILL THROUGH STEEL COLUMNS, BEAMS AND PLATES TO PASS
20.	NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED
21.	PROVIDE #5 X 4'-0" DIAGONAL REINFORCING AT TOP AND BOTTOM TYPICAL. THIS APPLIES TO SLAB ON GRADE.
22.	ALL SAW CUTTING SHALL BE DONE AFTER INITIAL SET HAS OCCU SAW BLADE, BUT BEFORE INITIAL SHRINKAGE HAS OCCURRED.
23.	NOTIFY STRUCTURAL ENGINEER A MINIMUM OF 48 HOURS BEFOR
24.	CONCRETE STRENGTHS & MIX PROPERTIES UNO:
	ITEM <u>fc AT 28 DAYS</u> <u>SIZE</u> SLAB ON GRADE <u>4000 PSI</u> 1"
*V	//CM = WATER: CEMENTITIOUS MATERIAL RATION
D	ESIGN CRITERIA
1. (	CODES AND STANDARDS 4. LATERAL LOADS
	ASCE 7-10 SITE CLASS C, I ACL 318-11
	2013 NDS $S_s = 1.915 S_{dt}$ AISC 360-10 341-10 358-10 $S_s = 0.000 S_{dt}$
-	AISI S100-07, S200-07 PISK CATECOE
2. \	PHOTOVOLTAIC ARRAY DEAD LOAD = 3.5 PSF ROOF LIVE LOAD = 20 PSF
	MEZZANINE FLOOR LIVE LOAD = 125 PSF (a) <u>PRE-ENGINEEF</u> STAIR LIVE LOAD = 100 PSF
	FLOOR PARTITION LIVE LOAD = N/AR, $ I L_0, C_d, C_s &$ CORRIDORS = N/ASEISMIC FORCE

CORRIDORS = N/A

3. SOIL VALUES

FOOTING

PERMITTED BY CODE.

MINIMUM WIDTH = 12"

LIVE LOADS ARE REDUCED WHERE

ALLOWABLE SOILS PRESSURE 1. DL + LL <u>2500</u> PSF 2. DL + LL + Eq/ WD <u>3300</u> PSF

MINIMUM DEPTH = <u>18" BELOW LOWEST</u> ADJACENT GRADE

INTR

JH

JT

INTERIOR

JOINT

JOIST HANGER

	GENERAL STRUCTURAL NOTES	STRUCTURAL SYMBOLS	
AY COMPRESSIVE STRENGTH AS REQUIRED IN NOTE #24.	1. INTERPRETATION OF DRAWINGS & SPECIFICATIONS	DESCRIPTION SYMBOL	- Capital Expenditure Managers
ES. D BY A REGISTERED CIVIL ENGINEER, REVIEWED BY OWNER'S HE STRUCTURAL ENGINEER FOR REVIEW.	A. FOR CONVENIENCE, SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT AND ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPERATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND HIS SUBCONTRACTORS.	MATCH LINE 1 / S101A VIEW NUMBER / 1 / S101B SHADED PORTION IS SIDE	2450 Venture Oaks Way Suite 500 Sacramento, CA. 95833 (916) 648-9700
PE II. X QUANTITY OF FLYASH SHALL BE AS GIVEN IN SPECS (15% MAX O ASTM C-33 FOR NORMAL WEIGHT CONCRETE AND ASTM C-330	B. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS, QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETIALED, MARKED OR SPECIFIED, SHALL BE THE SAME AS SIMILAR PARTS THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS. THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL	WORK POINT, CONTROL POINT, ELEVATION, OR	
NSIST OF A PREMIXED NONMETALLIC FORMULA. TM A-615 GRADE 60 FOR #4 AND LARGER, AND ASTM A-615 GRADE NG STEEL TO BE WELDED SHALL CONFORM TO ASTM A-706. RTIFICATES. CING BARS SHALL BE DONE IN ACCORDANCE WITH AWS D1.4 LY INSPECTED BY A QUALIFIED LABORATORY. CONTRACTOR IG TO THE LABORATORY.	<ul> <li>C. SHOULD AN ERROR APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL NOTIFY THE OWNER AT ONCE AND IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY APPROVAL, DECISION OR INSTRUCTIONS IN WRITING FROM THE OWNER, THEN HE SHALL HAVE NO VALID CLAIM AGAINST THE OWNER, FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD HE ELECT TO PROCEED, HE IS DOING SO AT HIS OWN RISK.</li> </ul>	DATUM POINT           GRID LINES           0.0	No.: S6143 Exp.: 12/31/18 From C Comm C C C C C C C C C C C C C C C C C C C
FORCING ARE TO THE FACE OF BARS LISTED AND DENOTE CLEAR ACE CONCRETE COVERAGE SHALL BE AS FOLOWS, UNO: AINST GROUND (EXCEPT SLABS) 3" WEATHER BUT PLACED IN FORMS:	<ol> <li>CONSTRUCTION SHALL CONFORM TO ALL APPICABLE CODES AND REGULATIONS.</li> <li>SHOP DRAWING NOTE:</li> </ol>	STRUCTURAL ELEVATION     x     ELEVATION IDENTIFIER       STRUCTURAL     XXXX     SHEET NUMBER       STRUCTURAL     X     SECTION IDENTIFIER	CALIFORNIA STATE FIRE MARSHAL APPROVED
	<ul> <li>A. SHOP DRAWINGS SHALL BE SUBMITTED IN ELECTRONIC PDF FORMAT.</li> <li>B. THE PURPOSE OF SHOP DRAWINGS SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT HE UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL HE INTENDS TO FURNISH AND INSTALL, AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE ON A STAND ALONE SET OF DOCUMENTS. DUPLICATION OF DESIGN DOCUMENTS FOR THE PURPOSE OF SHOP DRAWINGS IS NOT ACCEPTABLE.</li> <li>C. PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER, SHOP DRAWING SUBMITTALS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, STRUCTURAL STEEL, PENEOPCING STEEL PRE ENGINEERED STEEL BUILDING CONSTRUCTION DOCUMENTS AND CALCULATIONS.</li> </ul>	SECTION XXXX SHEET NUMBER DETAIL IDENTIFIER SHEET NUMBER SHEET NUMBER	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.
ALLEL BARS IN A LAYER SHALL NOT BE LESS THAN THE LARGER N THE MAXIMUM AGGREGATE SIZE (NOMINAL), WHICHEVER IS ES TO THE CLEAR SPACING BETWEN DIFFERENT LAYERS OF E BETWEEN A CONTACT LAP SPLICE AND ADJACENT SPLICES OR ESS OTHERWISE SHOWN OR NOTED. AT WALLS, PROVIDE DS, CORNERS AND INTERSECTIONS, UNO.	<ul> <li>REINFORCING STEEL, PRE-ENGINEERED STEEL BUILDING CONSTRUCTION DOCUMENTS AND CALCULATIONS, PRE-ENGINEERED STEEL STAIR CONSTRUCTION DOCUMENTS AND CALCULATIONS.</li> <li>D. PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFROMANCE".</li> <li>E. SHOP DRAWINGS SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS.</li> <li>F. ANY DETAIL ON THE SHOP DRAWING THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL CLEARLY BE MARKED WITH THE NOTE "THIS A CHANGE".</li> </ul>	STRUCTURAL MATERIALS         SYMBOL       DESCRIPTION         EARTH	
GH AND ALL LAITANCE REMOVED FROM THE SURFACE. G THE ENTIRE SURFACE, SAND BLASTING, OR RAKING THE ONS.	<ul> <li>G. SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE RESUBMITTAL FOR RE-REVIEW WILL NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.</li> </ul>	ROCK FILL SAND / MORTAR / PLASTER /	
LEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE NCRETE.	<ul> <li>A. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS.</li> </ul>	GROUT GROUT CAST IN PLACE OR PRECAST CONCRETE	UNT UNT
MASONRY FOR WALL SILL AND LEDGER/APPLICATIONS SHALL BE MING TO ASTM A307, UNO. REFER TO "STRUCTURAL STEEL" NOTE 'S) CAST IN CONCRETE FOR COLUMN BASE PLATE AND STEEL	<ul> <li>B. THE OWNER AND THE ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.</li> <li>C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND</li> </ul>	STEEL STEEL	NG CE CLASS NG CE DAD 0 CO 0 CO
S AND COLUMNS FROM FOUNDATION WITH SAME SIZE BAR. BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF MMENDED PRACTICES OF ACI 309 TO SUIT THE TYPE OF CRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL N OF AGGREGATES. IN SUCH CASES HOPPERS AND CHUTES OR ED SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL D PLATES TO PASS CONTINUOUS REINFORCING. STAKES ALLOWED IN AREAS TO BE CONCRETED. AT TOP AND BOTTOM OF SLAB AT ALL RE-ENTRANT CORNERS TIAL SET HAS OCCURRED TO AVOID TEARING OR DAMAGE BY THE HAS OCCURRED.	<ol> <li>SHORING REQUIRED.</li> <li>THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. IN A CASE OF CONFLICT BETWEEN THE STRUCTURAL DRAWINGS AND SPECIFICATIONS THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCING ANY WORK.</li> <li>WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT. SHOULD THERE BE ANY QUESTION, CONTACT THE ENGINEER PRIOR TO PROCEEDING.</li> <li>WHEN CONSTRUCTION ATTACHES TO AN EXISTING BUILDING, A COMPLETE SET OF DRAWINGS OF THE EXISTING BUILDING SHALL BE KEPT ON THE JOB SITE. CONTRACTOR TO OBTAIN THE THESE DRAWINGS FROM THE OWNER.</li> <li>ANY SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE OR DETAILS SHALL BE REVIEWED BY THE ENGINEER. SUCH REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.</li> <li>DO NOT SCALE DRAWINGS. CONTACT THE ENGINEER FOR ANY DIMENSIONS NOT SHOWN.</li> </ol>	CMU WALL WOOD FRAMING THRU MEMBER WOOD FRAMING INTERRUPTED MEMBER PLYWOOD	SOLANO COUNTY SB 1022 ( AND VOCATIONAL TRAININ 2500 CLAY BANK R FAIRFIELD, CA 945 FAIRFIELD, CA 945 SOLANO
MAX AGGR. <u>SIZE WEIGHT MAX W/CM* RATIO</u> 1" NW 0.45 1" NW 0.58	10. THESE DRAWINGS ARE NOT COMPLETE UNTIL REVIEWED AND ACCEPTED BY LOCAL BUILDING OFFICIALS AND SIGNED BY THE OWNER AND THE ENGINEER.		PROJECT STATUS:
ON	STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AN	DITESTING	DOCUMENTS
LATERAL LOADS SEISMIC (TYP UNO): SITE CLASS C, I = 1.25, I <sub>p</sub> =1.0 S <sub>s</sub> = 1.915 S <sub>ds</sub> = 1.277 SEISMIC S <sub>1</sub> = 0.650 S <sub>d1</sub> = 0.564 RISK CATEGORY: III F ANALYSIS PROCEDURE: EQUIV LAT'L FORCE UNO (a) <u>PRE-ENGINEERED BLDG</u> R, $\Omega_0$ , C <sub>d</sub> , C <sub>s</sub> & SEISMIC BASE SHEAR = * SEISMIC FORCE RESISTING SYSTEM = * ANALYSIS PROCEDURE = * (b) <u>ENTRY CANOPY</u> SEISMIC FORCE RESISTING SYSTEM: STEEL SPECIAL CANTILEVER COLUMN SYSTEM R = 2.5, $\Omega_0$ = 1.25, C <sub>d</sub> = 2.5, C <sub>s</sub> = 0.639 WIND: SEISMIC BASE SHEAR = 0.639W (STRENGTH) LUTIMAT NOMINA	OTATELIVIENT OF OTNOCTORAL OF ECTACL INSPECTIONS AND         OTATELIVIENT OF OTNOCTORAL OF ECTACL INSPECTIONS AND         OTATELIVIENT OF OTNOCTORAL OF ECTACL INSPECTIONS AND         INTOCOTORAL OF ECTACL INSPECTIONS AND         INTOCOTORAL OF ECTACL INSPECTIONS AND         INSPECTIONS AND TESTING SHALL BE PROVIDED BY AN INSPECTION AGENCY, EMPLOYED BY THE OWNER, AND QUALIFIED BY THE BUILDING OFFICIAL TO INSPECT THE PARTICULAR TYPE OF CONSTRUCTION. TESTS AND INSPECTIONS, AS REQUIRED BY CHAPTER 17 OF THE 2013 CBC, SHALL BE PERFORMED DURING CONSTRUCTION ON THE TYPES OF WORK LISTED BELOW:         INSPECTIONS & TESTING:         SASE SHEAR = 0.456W (STRENGTH)         STEEL CONSTRUCTION         SECTION 1705.2 & AISC 360         CONCRETE CONSTRUCTION — SECTION 1705.2 & AISC 360         CONCRETE CONSTRUCTION — SECTION 1705.3 & TABLE 1705.3         MASONRY CONSTRUCTION — SECTION 1705.4 & TMS 402/ACI 530/ ASCE5 & TIM602/ACI530.1/ASCE.6         WOOD CONSTRUCTION — SECTION 1705.5.1         SECTION 1705.5.1         SECTION 1705.6         PIER FOUNDATIONS — SECTION 1705.6         PIER FOUNDATIONS — SECTION 1705.7         PIER FOUNDATIONS AND SECTION SAND TABLES OF SECTION 1705.         TE DESIGN WIND SPEED = 115 MPH         LDESIGN WIND S	<ol> <li>THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE REPORTS SHALL INDICATE WHETHER WORK INSPECTED CONFORMED TO THE CONSTRUCTION DOCUMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.</li> <li>ALL SPECIAL INSPECTION AGENCIES/INDIVIDUALS AND SHOP FABRICATORS SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF WORK.</li> <li>TESTING AND INSPECTION RECORDS SHALL BE RETAINED UNTIL COMPLETION OF CONSTRUCTION.</li> <li>THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL ACKNOWLEDGING RESPONSIBILITY FOR CONSTRUCTION OF THE MAIN LATERAL- FORCE RESISTING SYSTEM PRIOR TO COMMENCEMENT OF THAT WORK AS REQUIRED BY SECTION 1704 OF THE 2013 CBC.</li> <li>FOR TESTING AND INSPECTION REQUIREMENTS FOR NON-STRUCTURAL MATERIALS AND COMPONENTS, SEE CONSTRUCTION DOCUMENTS AND COMPLY WITH CHAPTER 17 OF THE 2013 CBC.</li> </ol>	SHEET TITLE: STRUCTURAL ABBREVIATIONS, SYMBOLS & NOTES SYMBOLS & NOTES BARIS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON ON ONE INCH ONE
<ul> <li>* INDICATES TO BE DETERMINED BY EXPOSU PRE - ENGINEERED BLDG MFR. GC<sub>pi</sub> = ±</li> <li>* * INDICATES TO BE DETERMINED BY</li> </ul>	0.18		DATE <b>S001</b>

\* INDICATES T PRE - ENGINE \* \* INDICATES TO BE DETERMINED BY PRE - ENGINEERED STAIR MFR.

C:\BIM\CLAYBANK VOCED\_asalija@kitchell.com.rvt

11/9/2016





## <sup>2</sup> SPREAD FOOTING SCHEDULE

DETAIL 2 / S501
-----------------

;	PLAN		REINF @ 3" CLR		
ON	DIMENSIONS	THICKNESS	(FROM BOF UON)	COMMENTS	
	4' - 0" SQ	2' - 0"	7 - #5 EA WAY	7 - #5 EA WAY @ 3" CLR FROM TOF	
	5' - 0" SQ	2' - 0"	9 - #5 EA WAY	9 - #5 EA WAY @ 3" CLR FROM TOF	
	6' - 0" SQ	3' - 0"	11 - #6 EA WAY	11 - #6 EA WAY @ 3" CLR FROM TOF	
	5' - 0" SQ	3' - 0"	9 - #6 EA WAY	9 - #6 EA WAY @ 3" CLR FROM TOF	
m	······································				

## **TYPICAL FOUNDATION AND SLAB ON GRADE NOTES:**

1. NOT ALL DEPRESSED SLABS SHOWN. SEE ARCH'L DRAWINGS FOR LOCATIONS & (3003) @ AREAS REQUIRING DEPRESSED SLAB FOR FINISHES OR EQUIPMENT, TYPICAL

2. SEE ARCH'L DRAWINGS AND/OR SPECIFICATIONS FOR AREAS REQUIRING SLAB SLOPED TO DRAIN, TYPICAL

3. VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS, TYPICAL - IN CASES OF CONFLICT, ARCH'L DRAWINGS WILL GOVERN.

4.  $\overline{(5)}$  INDICATES SPREAD FOOTING, TYPICAL - SEE  $(\frac{1}{5201})$ 

5. SEE  $\begin{pmatrix} 8 \\ S501 \end{pmatrix}$  TYPICAL FOR EQUIPMENT PADS. SEE MECH & ELECT DRAWINGS FOR LOCATION & SIZE.

6. INDICATES 8" CMU WALL, GROUTED SOLID W/ #5 @ 24" OC VERT & W/ #5 @ 16" OC HORIZ. @ CL WALL TYP REINF UNO - SEE 1 , 2 & 3 FOR ADD'L INFO, TYP S003 S003 S003

7. INDICATES 6" CMU PARTIAL HEIGHT WALL, GROUTED SOLID W/ #5 @ 24" OC VERT @ CL WALL & W/ #4 @ 24" OC HORIZ

Capital Expenditure Managers 2450 Venture Oaks Way Suite 500 Sacramento, CA. 95833 (916) 648-9700			
No.: S6143 Exp.: 12/31/18 Profession No.: S6143 Exp.: 12/31/18 Profession Pucture OF CALIFORNIA			
CALIFORNIA STATE FIRE APPROVED	MARSHAL		
Approval of this plan does not authorize omission or deviation from applicable re- approval is subject to field inspections. O approved plans shall be available on the times. Reviewed by:	or approve any gulations. Final One set of project site at all		
SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER 2500 CLAY BANK ROAD FAIRFIELD, CA 94533	SOLANO COUNTY		
SFM APPROVAL	SET		
PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS			
SHEET TITLE: FOUNDATION P BLDG A	LAN -		
0 1/2 1 BAR IS C SCALE:	DNE INCH ON ORIGINAL IF NOT ONE INCH ON THIS IST SCALES ACCORDINGLY		
No.       Description         A       REVISION #1         A       ADDENDUM #4         FTG DESIGNED FOR PEMB LC         A	Date 1/20/2017 2/24/2017 0ADS 6/16/2017		
JOB NO. SHEET 4907A3	01		

	KE	Y PLAN		
			A	
B - '	WEST	B - E/	AST	N

11/9/2016

C:\BIM\CLAYBANK VOCED\_asalija@kitchell.com.rvt



LAST REVISION: 6/23/2017 3:38:51 P



AST REVISION: 6/23/2017 3:38:52 PN



AST REVISION: 6/23/2017 2:25:28 PM

KITCH	▋▋┫┗		
Capital Expenditure Managers 2450 Venture Oaks Way Suite 500 Sacramento, CA. 95833 (916) 648-9700			
(916) 648-9700 PROFESSION $PROFESSIONPROFESSION PROFESSIONPROFESSION PROFESSIONPROFESSION PROFESSION PROFESI$			
CALIFORNIA STATE FIRE APPROVED	MARSHAL		
Approval of this plan does not authorize omission or deviation from applicable re approval is subject to field inspections. O approved plans shall be available on the times. Reviewed by:	or approve any gulations. Final Dne set of project site at all		
SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER 2500 CLAY BANK ROAD FAIRFIELD, CA 94533	SOLANO COUNTY		
SFM APPROVAL	. SET		
PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS			
SHEET TITLE: FOUNDATION DETAILS			
0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING, IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY			
REVISIONS			
No.     Description       4     ADDENDUM #4       9     FTG DESIGNED FOR PEMB LC	Date 2/24/2017 DADS 6/16/2017		
JOB NO. SHEET 4907A3			
DATE 55	01		

C:\BIM\CLAYBANK VOCED\_asalija@kitchell.com.rv





6 EXTERIOR CONT CMU WALL FTG AT BLDG A - 3/4" = 1'-0"





Capital Expenditure Managers 2450 Venture Oaks Way Suite 500 Sacramento, CA. 95833 (916) 648-9700			
No.: S6143 Exp.: 12/31/18 Proceeding Control			
CALIFORNIA STATE FIRE APPROVED	MARSHAL		
Approval of this plan does not authorize omission or deviation from applicable re approval is subject to field inspections. ( approved plans shall be available on the times. Reviewed by:	or approve any gulations. Final One set of project site at all		
SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER 2500 CLAY BANK ROAD FAIRFIELD, CA 94533	SOLANO COUNTY		
SFM APPROVAL	. SET		
PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS			
SHEET TITLE: FOUNDATION DETAILS			
SCALE:			
REVISIONS			
No.     Description       Image: Stript of the strip	Date DADS 6/16/2017		
JOB NO. SHEET 4907A3 DATE 11/9/2016	02		

C:\BIM\CLAYBANK VOCED\_asalija@kitchell.com.rvt