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	CTDII	CTUDAL DESIGN	I ODITEDIA	_ L
	SD-1.	GOVERNING CODE: 2001 CALIFORN	I GRITERIA IA BUILDING CODE (CBC)	
E	SD-2.	SEISMIC LOAD PARA SOIL PROFILE T SEISMIC SOURC DISTANCE TO S SEISMIC ZONE	METERS: $=$ SdYPE $=$ BE TYPE $=$ BEISMIC SOURCE $=$ > 101 $=$ 3 $-$ Z $=$ 0.3 $-$ Ca $=$ 0.36 $-$ Cv $=$ 0.54	ĸ
		SEISMIC IMPORT	$ \begin{array}{rcl} - & Na &= & 1.0 \\ - & Nv &= & 1.0 \\ \hline \\ $	
	SD-3.	LIVE LOADS: AS INDICATED I	BASED ON EQUIPMENT CAPACITIES	
		PLATFORM DEC PLATFORM DEC	KING = 100 I KING CONCENTRATED LOAD = 1500	PSF LBS
	GENE	RAL NOTES		
	G-1.	FIELD VERIFY ALL D PRIOR TO START OF DISCREPANCY WITH	IMENSIONS AND EXISTING CONDITIONS CONSTRUCTION - RESOLVE ANY ARCHITECT/ENGINEER.	
D		DO NOT SCALE DRA	WINGS	
	G-2.	DETAILS MARKED "T PLANS, BUT SHALL	YPICAL" MAY OR MAY NOT BE CUT ON APPLY UNLESS NOTED OTHERWISE.	
	G-3.	STRUCTURAL SYSTEM SYSTEM, ANY SHORI CONSTRUCTION SHAI GENERAL CONTRACT	V IS DESIGNED TO WORK AS A COMPLET NG, OR BRACING NECESSARY DURING LL BE THE RESPONSIBILITY OF THE OR.	ΓED
	G-4.	NO PIPES OR SLEEV THROUGH STRUCTUR STRUCTURAL ENGINE	'ES FOR MECHANICAL TRADES SHALL PA AL MEMBERS WITHOUT APPROVAL OF TH EER.	.SS HE
	G-5.	THE CONTRACTOR IS SAFETY AND ALL AC PERSONAL INJURY, OR IN CONNECTION	SOLELY RESPONSIBLE FOR ALL SITE CCIDENTS WHICH RESULT IN DEATH, OR DAMAGE TO PROPERTY ARISING OU WITH THE PERFORMANCE OF THE WORK.	τ οι
	G-6.	IT IS THE OWNER'S LIVE LOADS.	RESPONSIBILITY TO POST ALLOWABLE	
OLD	G-7.	SECTIONS, DETAILS, ARE INTENDED TO E CONDITIONS ELSEWH	AND NOTES SHOWN ON THE DRAWINGS BE TYPICAL AND SHALL APPLY TO SIMIL/ ERE, UNLESS OTHERWISE SHOWN.	٩R
C	etee		NOTES	
	GT-1.	GRATING SHALL BE	BANDED.	
	GT-2.	BUTT GRATING OF A	ADJACENT SPANS AT BEAM CENTERLINES	5.
	GT-3.	UNLESS NOTED OTH SUPPORT WITH SAD MINIMUM 4 CONNEC SUPPORT.	ERWISE, ATTACH GRATING TO EACH DLE CLIP AND 1/4" DIA. FASTENER. TIONS PER PANEL , ONE AT EACH	
	GT-4.	GRATING AND ASSO MATERIAL.	CIATED HARDWARE SHALL BE OF SAME	
	GT-5.	REMOVABLE OR HIN LOCKABLE. COORDIN	GED SECTIONS OF GRATING SHALL BE IATE WITH OWNER.	
в				
	FOUNI	DATION NOTES		
	F-1.	THE FOUNDATION DE RECOMMENDATIONS C.B.C., TABLE 18-1- BASED ON THE FOL	ESIGN IS BASED ON THE MINIMUM STATED IN CHAPTER 18 OF THE 2001 -A. THE FOUNDATION DESIGN IS LOWING ALLOWABLE DESIGN VALUES.	
		BEARING PRESSURE	= 1500 PSF	
		*20% INCREASE PER MAXIMUM VALUE OF ADDITIONALLY AN IN PERMITTED WHEN CO INCLUDING WIND OR BY SECTION 1612.3. UNLESS OTHERWISE BE PERFORMED IN A	ADDITIONAL FOOT OF DEPTH TO A THREE TIMES THE DESIGNATED VALUE. ICREASE OF ONE THIRD SHALL BE ONSIDERING LOAD COMBINATION, EARTHQUAKE LOADS, AS PERMITTED 2 INDICATED, FOUNDATION WORK SHALL ACCORDANCE WITH THE C.B.C	
A	F-2.	PROVIDE PVC SLEEV WALLS/FOOTINGS FO PENETRATIONS, INCL SYSTEM CABLES. SE LOCATIONS/SIZES. F TO AVOID DISPLACIN	'ES THROUGH FOUNDATION OR PIPE, CONDUIT, AND CABLE LUDING ELECTRICAL GROUNDING TE APPROPRIATE DRAWINGS FOR PLACE SLEEVES IN LOCATIONS NG REINFORCING STEEL.	
	F-3.	FOOTING SUBGRADES OF DEBRIS, STANDIN	S SHALL BE CLEAN AND FREE IG WATER, AND LOOSE SOIL.	
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FOUN	DATION N	OTES (CONT.)		CUN	CRETE &	REINFORCING STEEL N		STRII	CTURAL TESTING AND
F-4.	ALL SUBTERRANEAN STRUCTURES, UTILITIES, PIPING, ETC. IN THE AREA OF EXCAVATIONS TO BE LOCATED AND MARKED BY CONTRACTOR PRIOR TO EARTH REMOVAL WORK. CONTRACTOR TO MAINTAIN MARKERS UNTIL EXCAVATION ACTIVITIES HAVE CEASED. IF UNDERGROUND UTILITY CONFLICTS ARE DISCOVERED BEFORE OR ENCOUNTERED DURING EXCAVATION, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY			CR-7.	CONCRE U.N.O.: FOOTING BOTTOM TOP	TE REINFORCEMENT PROTECTION/C S: & SIDES - 3" - 3"	TI1.	IT IS THE CONTRACTOR'S RES STRUCTURALWORK FOR CONF DOCUMENTS. ANY STRUCTURA DOES NOT RELIEVE THE CON ANY STRUCTURAL DEVIATIONS THAT ARE FOUND AT A LATE SIGNIFICANT BY THE STRUCTI	
F-5.	BEFORE PLACING FOOTINGS, FOUNDATIONS OR SLAB-ON-GRADE, THE SUB-GRADE SHALL BE PREPARED AND INSPECTED AS REQUIRED BY THE SPECIFICATIONS.			CR-8.	ALL CON CONFOR THOSE (STANDA	NCRETE DESIGN AND CONSTRUCTIO M WITH THE LOCAL BUILDING CODI OF THE FOLLOWING RDS (LATEST EDITION):	TI-2.	THE CONTRACTOR WITHOU PROJECT SCHEDULE. THE CONTRACTOR SHALL RETATO TO PROVIDE FIELD AND LAB 1	
F-6.	ALL FILL T SHALL BE	D SUPPORT FOUNDATIONS AND MINIMUM 2000 PSI CONCRETE, U	SLAB-ON-GRADE J.N.O		"ACI 315 "ACI 30" "ACI 30"	5, DETAILS AND DETAILING OF CON 1, SPECIFICATIONS FOR STRUCTUR 7, RECOMMENDED PRACTICE FOR (NCRETE REINFORCED CONC NCRETE REINFORCEMENT". AL CONCRETE FOR BLDGS.". CONCRETE FORM WORK".		AND TO PROVIDE CONSTRUCTI INSPECTION SHALL BE DONE E SATISFACTORY TO THE ARCHI
F-7.	NO FILL SHALL BE PLACED OVER FROZEN, MUDDY, OR OTHER DELETERIOUS MATERIAL. NO FILL SHALL BE PLACED OVER A PREVIOUS LIFT THAT HAS NOT BEEN ADEQUATELY COMPACTED			CR-9. CR-10.	ALUMINU SLOPE	JM CONDUIT IS NOT PERMITTED TO	TI−3. TI−4.	THE CONTRACTOR SHALL PRO ACCESS TO ALL PLACES WHE OF 24 HOURS NOTIFICATION S ARCHITECT/ENGINEER PRIOR TESTING OR INSPECTION. THE TESTING AGENCY IS NOT	
PER SPECIFICATIONS. JIB CRANE NOTES				CR-11.	ALL DOV EPOXY / (UNLESS	WELS INTO EXISTING CONCRETE OR ANCHORED WITH HILTI HITHY150 AI 5 NOTED OTHERWISE, U.N.O.)			
JC-1.	 JIB CRANE SPECIFICATIONS; CONTRX MODEL A101220 "A" SERIES FULLY MANUAL EQUIPPED FOR OUTDOOR USE INCLUDING CAP CHANNEL, STAINLESS STEEL PINS AND ROLLERS, 360-DEGREE ROTATION, UPPER AREA: 15 FOOT HEIGHT (UNDER BEAM) 20 FOOT SPAN 24 INCH FLANGE BEAM WITH 9 INCH FLANGE WIDTH BASE PLATE 72R12 WITH ANCHOR BOLT KIT TO ACCOMMODATE 3 FOOT THICK FOOTING. 		EL A101220 "A" IDOOR USE EL PINS AND	STRU MATERIA W-SHAI	AL PROPER	L STEEL NOTES TIES (U.N.O.) -Fy = 50 KSI (A992 OR A572	Gr 50)	T1 E	ANY CHANGES FROM THE CON WISHES TO QUESTION THE TES CONTRACT DOCUMENTS, HE M STRUCTURAL ENGINEER.
			C PLATES SQUARE ROUND RODS	& BARS E TUBES TUBES	-SHAPES & ANGLES-Fy = 36 -Fy = 36 KSI (A36) -Fy = 46 KSI (A500 Gr B) -Fy = 35 KSI(A53 TYPE S, Gr -Fy = 36 KSI(A36)	KSI(A36) B)	11-5.	THE TESTING AGENCY IS NOT THE WORK. IF THE CONTRAC A CERTAIN PORTION OF WORK TESTING AGENCY THAT SUCH WITH THE CONSTRUCTION DOC SO AT THEIR OWN RISK AND WORK AT A LATER DATE.	
	LOWER ARE - 15 FOOT - 16 FOOT - 24 INCH - BASE PI ACCOMMOD	A: HEIGHT (UNDER BEAM) SPAN FLANGE BEAM WITH 9 INCH FL ATE 66R12 WITH ANCHOR BOLT ATE 2 FOOT THICK FOOTING.	ANGE WIDTH KIT TO	S—1.	ALL STE THE LOO OF THE AISC LR AISC AS	TEL DESIGN AND CONSTRUCTION SECAL BUILDING CODE REQUIREMENTS FOLLOWING (LATEST EDITION) FD SPECIFICATION SD SPECIFICATION	HALL CONFORM WITH S AND THOSE	TI-6.	THE TESTING AND INSPECTING COMPLIANCE OR REQUIRED TO AS TEMPORARY BRACING. TE CONTRACTOR'S SOLE RESPONS
JC-2	 JC-2 CM "CYCLONE" SERIES HAND CHAIN HOIST UPPER AND LOWER AREA: 5-TON CAPACITY, 2-TON CAPACITY AT EACH JIB CRANE TOP HOOK MOUNTED HOIST INCLUDES SEPARATE SERIES 84A PULL TYPE TROLLEY, ONE TROLLEY PER CRANE. LIFT REQUIRED UP TO SPECIFIED HEIGHT, APPROXIMATELY 35 INCH COMBINED HEAD ROOM. 		S-2.	STEEL E OR ROLI RESIDUA	BEAMS WITH RESIDUAL CAMBER RE LING SHALL BE SHOP FABRICATED AL CAMBER COUNTERACTS GRAVITY	SULTING FROM MILL FABRICATION AND ERECTED SUCH THAT THIS Y LOAD DEFLECTION.	TI-7.	TESTING AND INSPECTION IS N OFF-SITE FABRICATION SHOP, OTHERWISE.	
			EPARATE TROLLEY PER CRANE. T, APPROXIMATELY	S-3.	U.N.O., DIAMETE CONDITIO "SPECIFI	ALL BOLTED CONNECTIONS SHALL TR A325-X BOLTS TIGHTENED TO ON. THE SNUG-TIGHT CONDITION IS ICATION FOR STRUCTURAL JOINTS	TI-8.	THE TESTING AND INSPECTING INSPECTIONS AND TESTS TO OF RECORD. ALL DISCREPANC ATTENTION OF THE CONTRACT TO THE ENGINEER AND ARCHI	
CONC	CRETE & I	REINFORCING STEEL N	OTES		BOLIS .			TL O	INSPECTION ACENICY SHALL IN
	MATERIAL COMPRESS CONCRETE	PROPERTIES (U.N.O.) IVE STRENGTH - REINFORCEMENT -	- F'c = 4 KSI - Fy = 60 KSI (A615 GR 60)	S-4.	ANCHOR ARE TO NOTED (BOLTS SHALL BE AS SPECIFIED E BE 1 INCH DIAMETER F1554 Gr. 3 OTHERWISE.	BY THE JIB CRANE SUPPLIER 36 THREADED RODS UNLESS		REQUIREMENTS FOR PROTECTION ADVERSE EFFECTS OF WEATHE HARMFUL CONDITIONS.
CR-1.	ALL BAR L SPLICE CR IN SLABS MINIMUM F	APS SHALL CONFORM TO ACI 3 ITERIA. USE TOP BAR LAP LENG AND BEAMS OVER 14" DEEP. AR LAPS AS FOLLOWS LINO:	THS FOR TOP BARS	S-5.	U.N.O., I ANCHOR FASTENI WITH EM	POST INSTALLED ANCHORS ARE TO S FOR SOLID BASE MATERIAL AS NG SYSTEMS OF TULSA, OKLAHOM IBEDMENT DEPTHS INDICATED.	D BE HILTI HIT RE 500 ADHESIVE MANUFACTURED BY HILTI A OR EQUAL. INSTALL ANCHORS	TI-10.	CONSTRUCTION TESTING AND AGENCY IS REQUIRED AS FOLI A. CONCRETE TESTING PER TH
				S-6.	STUD AI	NCHORS ARE TO BE NELSON STUD	OS OR EQUAL (ASTM A108).		B. CONCRETE INSPECTION SHA
	#3:1 -4 #8:5'-2" FOR EPOX	#4:1-4 #5:1-10 #6:2- #9:6'-4" #10:7'-8" #11:9 Y COATED BARS, PROVIDE 1.5 T	-7 #7:4-2 9'-0" IMES THE INDICATED LAP	S-7.	U.N.O., I FORMUL SYSTEMS	NON-SHRINK GROUT SHALL BE A ATION EQUIVALENT TO MASTERFLO S. BEAM AND LINTEL PLATES SHA	NON-METALLIC PREMIXED W 713 PLUS BY DEGUSSA BUILDING ALL BE FULLY GROUTED WITH A		OF REINFORCEMENT. REINF TIES, LAPS, AND COVER.
CR-2.	LENGTH. LENGTH. LAP LENG ^T WHERE MC	FOR TOP BARS PROVIDE 1.3 TIN TH SHALL BE SPECIFICALLY NOTI RE THAN ONE BAR MAKES UP A	IES THE INDICATED LAP ED ON SHOP DRAWINGS A CONTINUOUS STRING.	S-8.	MINIMUM ALL WEL WELDING	1 1/2" NON-SHRINK GROUT. DING OF NEW STEEL IS TO BE WI S SHALL BE IN ACCORDANCE WITH TIFIED WELDERS	TH E70XX ELECTRODES, U.N.O. THE LATEST AWS SPECIFICATIONS		OF ALL THE CONNECTIONS THE SIZE, TYPE, AND QUA SHALL BE INSPECTED. WHE BOLTS ARE SPECIFIED, PRE
CR-3.	HORIZONTA FROM AT GRID LINE	L BARS SHALL BE DETAILED TO EAST ONE END OF THE BAR TO OR WALL.) SHOW THE DISTANCE) THE NEAREST BUILDING	S-9.	WHEN FI PROCED NEW AN	IELD WELDING TO EXISTING STEEL, URES AS REQUIRED TO BE COMPA D EXISTING STEEL.	ADJUST WELDING TIBLE WITH THE	TI-11.	SPECIAL STRUCTURAL INSPECT THE REQUIREMENTS OF CHAPT
CR-4.	REINFORCI	NG SHALL BE DETAILED IN ACCO	DRDANCE WITH ACI 315.						
CR-5.	ALL REINF WITH THE CLEAN AN	DRCEMENT BARS SHALL BE FAB LATEST CRSI MANUAL OF STAND D FREE OF GREASE AND SCALIN	RICATED IN ACCORDANCE DARD PRACTICE AND SHALL BE IG RUST.						

CR-6. PROVIDE HOT/COLD WEATHER PROCEDURES AND PROTECTION IN ACCORDANCE WITH ACI RECOMMENDATIONS AND PROJECT SPECIFICATIONS.

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				DSG . THAR OCKNOOD	
				DWN S MONTELL	GENERAL
				CHKD AA-DAMBETH	TRAM SA
				SUPV.	
				APVD	U
AS BUILT DRAWINGS	Nº S	in AL		APVD.	PACIFIC G
DESCRIPTION	JOB NO DŠG	CHKD SUPV	APVD	DATE : 08/23/2007	SA
6	7			8 FOLD	

INSPECTION

ESPONSIBILITY TO INSPECT ALL FORMANCE WITH THE CONTRACT RAL INSPECTION PROVIDED BY OTHERS NTRACTOR OF THIS RESPONSIBILITY. NS FROM THE CONTRACT DOCUMENTS TER DATE AND ARE DECLARED TO BE TURAL ENGINEER SHALL BE CORRECTED OUT COST OR ANY DELAY TO THE 10

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TAIN AN INDEPENDENT TESTING AGENCY TESTING OF CONSTRUCTION MATERIALS TION INSPECTIONS. THE CONSTRUCTION BY QUALIFIED INSPECTORS THAT ARE HITECT AND ENGINEER.

OVIDE THE TESTING AND INSPECTING AGENCY ERE THE WORK IS BEING PERFORMED. A MINIMUM SHALL BE GIVEN TO THE TESTING AGENCY AND TO THE COMMENCEMENT OF WORK REQUIRING

T AUTHORIZED TO DIRECT OR APPROVE ONTRACT DOCUMENTS. IF THE CONTRACTOR ESTING AGENCY'S INTERPRETATION OF THE MAY DO SO DIRECTLY WITH THE ARCHITECT OR

T AUTHORIZED TO STOP OR DELAY CTOR ELECTS TO CONTINUE WITH &K AFTER BEING NOTIFIED BY THE H WORK IS NOT IN ACCORDANCE OCUMENTS, THE CONTRACTOR DOES MAY BE REQUIRED TO CORRECT THE

G AGENCY IS NOT INSPECTING FOR O.S.H.A. TO INSPECT TEMPORARY CONSTRUCTION, SUCH TEMPORARY CONSTRUCTION IS THE NSIBILITY.

NOT REQUIRED FOR WORK PERFORMED AT AN P, UNLESS SPECIFICALLY NOTED OR SPECIFIED

IG AGENCY SHALL ISSUE ONGOING REPORTS OF THE CONTRACTOR, ENGINEER, AND ARCHITECT ICIES SHALL BE BROUGHT TO THE IMMEDIATE CTOR FOR CORRECTION, THEN IF UNCORRECTED, HITECT OF RECORD.

INSPECT FOR CONFORMANCE TO SPECIFIED TING NEW CONCRETE FROM THE HER, AND OTHER POTENTIALLY

INSPECTION BY THE TESTING AND INSPECTING _LOWS:

THE SPECIFICATIONS.

HALL INCLUDE THE PLACEMENT IFORCING BAR SIZES, SPACING,

ONS SHALL INCLUDE VISUAL INSPECTION NS RELATED TO STRUCTURAL STEEL. JANTITY OF BOLTS AND THEIR INSTALLATION HERE SLIP-CRITICAL OR PRE-TENSIONED PRE-TENSIONING OF BOLTS SHALL BE

TIONS SHALL CONFORM TO TER 17 OF THE CBC

CIVIL L NOTES AND SPECIFICATIONS SPAULDING POWERHOUSE SAFETY IMPROVEMENT PROJECT

HYDRO GENERATION DEPARTMENT GAS AND ELECTRIC COMPANY AN FRANCISCO, CALIFORNIA

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