

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVAL	OFFICE USE ONLY							
OF MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0379-13							
	OSHPD Preapproval of Manufacturer's Certification (OPM)							
Type: New Renewal Update to Pre-CBC 2013 O	PA Number:							
Manufacturer Information								
Manufacturer: Accuray, Inc.								
Manufacturer's Technical Representative: Jeremiah Pepper								
Mailing Address: 1310 Chesapeake Terrace, Sunnyvale, CA. 94089								
Telephone: On File								
Product Information	Mp.							
Product Name: Power Distribution Unit	- E							
Product Type: Transformer, Inverter, Etc.								
Product Model Number: N/A BY: William Staehl	in							
General Description: _Support Equipment for Radixact System								
DATE: 08/08/2017	7							
	N N							
Applicant Information	CODE ?							
Applicant Company Name: EASE Co.								
Contact Person: Jonathan Roberson, S.E								
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709								
Telephone: (909) 606-7622 Email: J.Robe	rson@EASECo.com							
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2016.	Planning and Development review fees in							
Signature of Applicant:	Date: 10/10/16							
Title: Principal Engineer Company Name: EASE	Co.							
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-700 (REV 12/16/15)	Page 1 of 2							



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professional Preparing Engineering Recommendations								
Company Name: EASE Co.								
Name: Jonathan Roberson, S.E. C	California License Number: <u>S4197</u>							
Mailing Address:5877 Pine Ave. Suite 210, Chino Hills, CA. 9	01709							
Telephone: 909-606-7622 Emai	I: <u>J.Roberson@EASECo.com</u>							
OSHPD Special Seismic Certification Preapproval (OS	P)							
 Special Seismic Certification is preapproved under OSP- (Separate application for OSP is required) Special Seismic Certification is not preapproved 								
Certification Method(s)	ECO							
 Testing in accordance with: Other* (Please Specify): 	M 1950-16							
 *Use of criteria other than those adopted by the California Buildin supports and attachments are not permitted. For distribution systems is bracings, test criteria other than those adopted in the CE to testing. Analysis Experience Data Combination of Testing, Analysis, and/or Experience Data 	tem, interior partition wall, and suspended ceiling SC 2016 may be used when approved by OSHPD prior							
List of Attachments Supporting the Manufacturer's Ce	rtification							
 □ Test Report								
OFFICE USE ONLY - OSHPD APPROVAL VALID FOR CBC 2	016 & ALL PRE-2016 CODE BASED PROJECTS							
Signature:	Date:							
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-700 (REV 12/16/15)	Page 2 of 2							

		EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0379-13 THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622				
		FACTURER: ACCURAY INC MENT NAME: POWER DISTRIBUTION UNIT (PDU)	Sheet: <u>1 of 9</u> Date: 6/26/17				
GE	NE	RAL NOTES					
1.		IIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CBC. THE D ESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 CBC.	EMANDS				
2.	тн	IS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LIST ECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSEI					
3.	ТΗ	IS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER TH	AN 2.20.				
4.	FO	RCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,					
	WH	HERE SDS = 2.20, $a_p = 1.0$, $I_p = 1.5$, $R_p = 2.5$, $z/h = 0$ AT CONCRETE SLAB & $z/h < 1$ AT CONCRETE SLAB ON MET	AL DECK.				
	SE	E FOLLOWING SHEETS FOR Ω. O					
5.		IIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUC					
6.		L DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENG					
7.		NCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING	,				
8.	CO	DNCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION AT OR BELOW GRADE. (i.e. z/h = 0))				
9. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING							
	Δ	PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL					
		VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2016 CBC AND WITH THE DETAILS,					
	5.	MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SI PREAPPROVAL DOCUMENTS.	HOWN ON THE				
	C.	VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NO EXCEED THE VALUES ON THE DETAILS.	Т				
	D.	VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR AND THIS OPM.					
	E.	VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).	man - captan				
	F.	VERIFY THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE UNIT ATTACHMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN 18" OR 6hef FROM THIS UNIT'S ANCHORS.	No. 4197 EXP. 6-30-2018 S. 6/26/17 EXP. CALLED				

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ACCURAY INC							DE8.	J. ROBE	RSON	SHEET			
		$\overline{\mathbf{z}}$		/		_			JOB	NO. 11-1	624	Ζ	
	POWER DISTRIBUTION UNIT (PDU)						DATE	DATE 6/26/17 OF 9			T 8		
			NCHORS:										
ŀ					ADE WITH THE AN CC REPORT.	ICHORS LIS	TED BELC	JW AND I	INSTALLEL) AS DESCR	IBED		
	Anch Diame		Concrete Type	Min. f'c (psi)	Anchor Type	ICC Report No.	Min. Embed.	Min. Spacing	Min. Edge Dist.	Min. Conc. Thickness	Torque Test	Direct Tension Test	
	3/8	3"	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	6.75"	12"	See Detail "A"	N/A	N/A	
	1/2	2"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	6"	12"	4"	40 FT-LB	1605 lb	
E	 B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 12" AWAY MINIMUM (i.e CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES. 							<u> 2"</u> (MIN)) SP -	18" (MIN)			
C. TESTING OF EXPANSION ANCHORS PER 2016 CBC, 1910A.5: TESTING SHALL BE DONE IN THE PRESENCE OF THE SPECIAL DOD INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO OSHPD (i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF													
	(ii)		ANCHORS. EPTANCE C						= _ (z		SP = F	BOLT SPACING	
	DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO 2017 OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER									EDGE DETAIL			
	• TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 3/8 TURN OF THE NUT							ODY					
	()) IF AN	NY ANCHOR	K FAILS, I	IEST ALL ANCHOR	3.							
Γ					G STEEL REINFORC		CRETE SI	LAB					
E	E. PR	OVIDE	E FOR FULL	. THREAD	D ENGAGEMENT O	F NUT & WA	SHER.						
11. BO)LTS TI	HROU	GH CONCR	ETE ON ¹	METAL DECK								
ŀ	TIG RE	ght (t Equire	THE SNUG-T ED TO BRIN	FIGHT CO) BY 3/4 TURN OF T ONDITION IS DEFIN CONNECTED PLIES INLESS OTHERWIS	NED AS THE 1 S INTO FIRM (TIGHTNES	SS		\geq	Anathe		14
E					ALL BE 1/16" LARGE /16) FOR CONCRET		LT SIZE					HAN RODA	K
(C. TH TES TEI	HROUG ESTING ENSION	GH-BOLTS IN G (THROUGH N DO NOT R	N CONCR H BOLTS REQUIRE	RETE SHALL RECE WITH STEEL TO S TENSION TESTING INSTALLED ANCH	IVE SPECIAL STEEL CONNE G) IN ACCOR	ECTION IN	N				No. 4197 EXP. 6-30-2018 C. 6/26/17 OF CALLED	













