

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM)

OFFICE USE ONLY

APPLICATION #: OPM-0673

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: X New Renewal/Update

Manufacturer Information

Manufacturer: Beckman Coulter Biomedical GmbH

Manufacturer's Technical Representative: Nico Wedekind

Mailing Address: Sauerbruchstr 50, Muenchen, Mu 81377

Telephone: (49895) 419-8722

Email: NWEDEKIND@beckman.com

Product Information

Product Name: DxA Automation System - Part 3 OPM-067

Product Type: Other mechanical or electrical component

Product Model Number: (Instrument: ALIQUOTER, Model C38441), (Instrument: STAGO RBU, Model C70660) & (Transport: Model C33168)

General Description: Automated blood analysis system 01/17/2023

Applicant Information

Applicant Company Name: EASE LLC.

Contact Person: Tiffany Tonn

Mailing Address: 1515 FAIRVIEW AVE, STE 205, MISSOULA, MT 59801

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Email: tiffany@easeco.com

Title: Office Manager

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations Company Name: EASE LLC

 Name:
 Jonathan Roberson
 California License Number:
 S4197

 Mailing Address:
 5877 Pine Ave., Suite 210, Chino Hills, CA 91709

 Telephone:
 (951) 295-1892
 Email:
 jon@EASECo.com

HCAI Special Seismic Certification Preapproval (OSP)							
Special Seismic Certification is preap	Special Seismic Certification is preapproved under OSP OSP Number:						
FOR CODE CO.							
Certification Method	ED	Mp,					
Testing in accordance with:	ES AC156 🛛 🗍 FM 1950-16	1 miles					
Other(s) (Please Specify):	OPM-0673	12					
*Use of criteria other than those adopted by the California Building Standards Code, 2022 (CBSC 2022) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2022 may be used when approved by HCAI prior to testing.							
X Analysis							
Experience Data	DATE: 01/17/20	23					
Combination of Testing, Analysis, an	d/or Experience Data (Please S	pecify):					
	ORNIA	CODE					
HCAI Approval	BUILDING						
Date: 1/17/2023							
Name: William Staehlin		Title: Senior Structural Engineer					
Condition of Approval (if applicable):							



	EQUIPMENT ANCHORAGE SEISMIC ENGINEERING The Department of Health Care Access and Information PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0673 THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622								
	ANUFACTURER: BECKMAN COULTER DUIPMENT NAME: DXA SYSTEM - PART 3	Sheet: <u>1 of 18</u> Date: 12/8/22								
G	ENERAL NOTES									
1.	THIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. THE DEMA	NDS								
2.	(DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2022 CBC THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT									
3.	3. THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN 2.0 & 2.30.									
4.	SEE DETAIL FOR APPLICABILITY FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,									
	WHERE SDS = 2.00, \mathbf{a}_p = 1.0, \mathbf{l}_p = 1.5, \mathbf{R}_p = 1.5, \mathbf{z}/\mathbf{h} = 0 AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 2.30, \mathbf{a}_p = 1.0, \mathbf{l}_p = 1.5, \mathbf{R}_p = 1.5, \mathbf{z}/\mathbf{h} < 1 AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHE	ETS FOR O								
5.	DATE: 01/17/2022									
6. 7										
7. 8.	CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e. z/h = 0)	(I.e. 2/II <u>></u> I)								
9.	RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING									
	A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OT	HER LOADS.								
	B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2022 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHO PREAPPROVAL DOCUMENTS.	OWN ON THE								
	C. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.									
	D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT. AND THIS OPM.									
	E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).	HAN ROBE								
	 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. 6-30-2024 C 12/8/22								

	EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com												
BECKMAN COULTER DxA SYSTEM - PART 3							DES.	DES. J. ROBERSON					
							JOB N	JOB NO. 11-2122 2					
							DATE	12/8/22		of 18 SHE	EET8		
10.	EXPA	NSION ANC	HORS:										
	A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT.												
		Anchor Diameter	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"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2	2 ESR-4266	2"	6.75"	12"	See Detail "A"	30 FT-LB	N/A	
		1/2"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2	2 ESR-4266	3.25"	9.75"	24"	See Detail "A"	50 FT-LB	N/A	
		5/8"	Normal Weight	3000	Hilti Kwik Bolt TZ2	2 ESR-4266	3.25"	6"	24"	6"	30 FT-LB	3318 lb	
		5/8"	Normal Weight	3000	Hilti Kwik Bolt TZ2	2 ESR-4266	3.25"	8"	32"	6"	50 FT-LB	3739 lb	
	 B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, SEE SCHEDULE FOR AWAY MINIMUM (i.e CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES. C. TESTING AND SPECIAL INSPECTION OF EXPANSION ANCHORS SHALL 73 BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY EMPLOYED BY THE FACILITY OWNER PER CBC 1704A & 1910A.5 												
	 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR Stachlin OF RECORD, OWNER AND THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE. (i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF THE ANCHORS. (ii) ACCEPTANCE CRITERIA: DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER 							IS X EDGE DISTANCES SP (SET SCHEDULE)					
BECOMES LOOSE. • TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE NUT (iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS. D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB													
	_				PANSION ANCHORS.								
11					AGEMENT OF NUT & V	WASHER.				-			
	A.	BOLTS SHA TIGHT (THE REQUIRED CONDITION	E SNUG-TIGHT TO BRING TH I IS ACHIEVED	JED BY 3/4 CONDITIC E CONNEC D, UNLESS	TURN OF THE NUTS DN IS DEFINED AS TH CTED PLIES INTO FIR OTHERWISE NOTED	HE TIGHTNESS RM CONTACT)).				\bigwedge	water	AN ROBINS	in
	 B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE. C. THROUGH-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING (THROUGH BOLTS WITH STEEL TO STEEL CONNECTION IN TENSION DO NOT REQUIRE TENSION TESTING) IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS. 									NEF C			































