

APPLICATION FOR OSHPD PREAPPROVAL OF	OFFICE USE ONLY						
MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0548-19						
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OSHPD Preapproval of Manufacturer's Certification (OPM)							
Type: 🛛 New 🗌 Renewal 🗌 Update to Pre-CBC 2013 O	PA Number:						
Manufacturer Information							
Monufacturar Bookmon Coulton Inc							
Manufacturer: Beckman Coulter, Inc.							
Manufacturer's Technical Representative: Kevin Nowak							
Mailing Address: 322 Lake Hazeltine Drive, Chaska, MN. 55318							
Telephone: On File							
Product Information	MB						
Product Name: DxI 9000 OSHPD							
	E						
Product Type: Other Mechanical or Electrical Component 0548-19							
Product Model Number: Dx1 9000							
General Description: A Blood Analysis System							
DATE: 04/28/2019	67						
Applicant Information							
Applicant Company Name: EASE Co.	301						
Applicant Company Name: EASE Co. BUILDING	/						
Contact Person: Jonathan Roberson, S.E.							
Mailing Address:5877 Pine Ave. Suite 210, Chino Hills, CA. 91709							
	erson@EASECo.com						
I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in							
accordance with the California Administrative Code, 2019.							
Signature of Applicant:	Date: 8/15/19						
Title: Principal Engineer Company Name: EASE							
The. Fincipal Engineer Company Name. EASE	C0.						



Registered Design Professional Preparing Engineering Recommendations						
Company Name: EASE Co.						
Name: Jonathan Roberson, S.E. California License Number: S4197						
Mailing Address:5877 Pine Ave. Suite 210, Chino Hills, CA. 91709						
Telephone: 909-606-7622 Email: <u>J.Roberson@EASECo.com</u>						
OSHPD Special Seismic Certification Preapproval (OSP)						
 Special Seismic Certification is preapproved under OSP- (Separate application for OSP is required) 						
Special Seismic Certification is not preapproved						
Certification Method(s)						
Testing in accordance with: ICC-ES AC156 FM 1950-16 Other* (Please Specify): ICC-ES AC156 FM 1950-16						
*Use of criteria other than those adopted by the California Building Standards Code, 2019 (CBSC 2019) 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 2019 may be used when approved by OSHPD prior to testing.						
 Analysis Experience Data Combination of Testing, Analysis, and/or Experience Data (Please Specify): 						
List of Attachments Supporting the Manufacturer's Certification						
□ Test Report ☑ Drawings ☑ Calculations □ Manufacturer's Catalog □ Other(s) (Please Specify):						
OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2019 & ALL PRE-2019 CODE BASED PROJECTS Signature: Arcon Line Date: 4/28/2020						
Signature: Harsen Zono Date: 4/28/2020 Print Name: Haeseong Lim						
Title: Senior Structural Engineer						
Condition of Approval (if applicable):						

	EQUIRMENT ANCHORAGE & SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICAT OPM-0548-19 THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING	
MANUFACTUF		Sheet: <u>1 of 9</u> Date: 4/20/20
 (DESIGN F 2. THIS DOC SPECIFIC 3. THIS PRE/ 4. FORCES F WHERE SI WHERE SI WHERE SI 5. THIS PRE/ 6. ALL DESIC 7. CONCRET 8. CONCRET 	OTES PD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2019 CE ORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2019 CBC JMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTU PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH PPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GRE ER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, INS = 1.50, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS F INS = 1.85, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS F INS = 2.20, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h = 1$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS F INS = 2.20, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \le 1$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS F INS = 2.20, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \le 1$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS F INS = 2.20, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \le 1$ AT CONCRETE SLAB ON METAL DECK. SEE FOLL PPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO TH IN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR E SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE E SLAB DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION AT OR BELOW GRADE. (IN SIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING	RER LISTED ABOVE FOR THE H CONSENT. ATER THAN 1.50, 1.85 & 2.20. OR Ω_0 OR Ω_0 OWING SHEETS FOR Ω_0 IE STRUCTURE. R STRENGTH DESIGN. BUILDING. (i.e. $z/h \le 1$) i.e. $z/h = 0$)
 B. VERIF MATEI PREAF C. VERIF EXCEI D. VERIF REQU E. VERIF EDGEI F. VERIF UNIT A 	DE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION (7 THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETA (1) THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETA (2) THAT DATE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORM PROVAL DOCUMENTS. (7 THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THA (2) THE VALUES ON THE DETAILS. (7 THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REMENTS OF THE APPLICABLE ICC ESR AND THIS OPM. (7 THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB (5 OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2). (7 THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE TTACHMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN (6) FROM THIS UNIT'S ANCHORS.	NILS, MATION SHOWN ON THE

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com												
BECKMAN COULTER						DES.	J. ROBE	RSON	SHEET			
						Јов	NO. 11-1	906	2			
	DxI 9000						DATE	: 4/20)/20	of 9	SHEETS	
10. <u>EX</u>	PANSION	ANCHORS:										
A		HMENT IS T CORRESPO		.DE WITH THE AN C REPORT.	ICHORS LIS	TED BEL	OW AND	INSTALLED) AS DESCR	IBED		
	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 Tens Test	sion
	1/2"	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3.25"	9.75"	12"	3.25" Over Flutes	40 FT-LB	N/A	
	5/8"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3.125"	4"	32"	5"	60 FT-LB	2236 lb	
	5/8"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	4"	4"	32"	6"	60 FT-LB	3026 lb	
B	CONCF ADJAC CONCF CONCF TESTIN TESTIN INSPEC SUBMI	RETE SLAB E ENT DETAIL RETE EDGE D IG OF EXPAN IG SHALL BE CTOR AND A TTED TO OSI	DGES, 32 FOR ADD DISTANCE NSION AN DONE IN REPORT HPD	CHORS PER 2019 THE PRESENCE OF THE TEST RES	(i.e CORNI I ALLOWABL CBC, 1910A OF THE SPE SULTS SHAL	ER). SEE E 5: P CIAL L BE5 4 8	E Co D -19		- 32" (MIN)	SP SP	48" (MIN)	-
	DIF		ENSION 1	IEST OR TORQUE				- ds	0	 		
	(ii) AC	CEPTANCE C	RITERIA	P	ATE: 04	/28/20)19	,	7			
	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 BECOMES LOOSE.											
	TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED TYPICAL CONCRETE EDGE DETAIL WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE NUT									-		
	. ,			EST ALL ANCHOR								
D				STEEL REINFORG		ICRETE S	LAB					
				ENGAGEMENT O	F NUT & WA	SHER.						
				METAL DECK					\	_		
А	tight Requii	(THE SNUG-1 RED TO BRIN	FIGHT CC	BY 3/4 TURN OF T NDITION IS DEFIN ONNECTED PLIES NLESS OTHERWIS	IED AS THE INTO FIRM	TIGHTNE	SS		$\left(\right)$	Math	HAN ROBER	Nau
В				LL BE 1/16" LARG 16) FOR CONCRE		LT SIZE					No. 4197	
С	TESTIN TENSIO	UGH-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND NG (THROUGH BOLTS WITH STEEL TO STEEL CONNECTION IN ON DO NOT REQUIRE TENSION TESTING) IN ACCORDANCE WITH IREMENTS FOR POST-INSTALLED ANCHORS.										













