

## OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVAL	OFFICE USE ONLY						
OF MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0354-13						
OSHPD Preapproval of Manufacturer's Certification (OPM)							
Type: New Renewal Update to Pre-CBC 2013 O	PA Number:						
Manufacturer Information							
Manufacturer: BECKMAN COULTER, INC.							
Manufacturer's Technical Representative: Colin Granger							
Mailing Address: 250 S. Kramer Blvd., Brea, CA. 92821-6232							
Telephone: On File Email: On File	2,						
Product Information	MAR INSTRUCTION						
Product Name: UniCel DxC 600 Synchron Clinical System	E.						
Product Type: Other Electrical and Mechanical Components							
Product Model Number: DxC 600 By: William Staehl	in						
General Description: Access Immunoassay System							
DATE: 06/13/2017	700						
	<u>∼</u>						
Applicant Information	DE.						
Applicant Company Name: EASE Co.	30						
Contact Person: Jonathan Roberson, S.E.	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 P accordance with the California Administrative Code, 2016.	Planning and Development review fees in						
Signature of Applicant:	Date: 5/31/16						
Title: Principal Engineer Company Name: EASE C	Со.						
"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. California License Number: S4197
Mailing Address:5877 Pine Ave. Suite 210, Chino Hills, CA. 91709
Telephone: 909-606-7622 Email: J.Roberson@EASECo.com
OSHPD Special Seismic Certification Preapproval (OSP)
<ul> <li>Special Seismic Certification is preapproved under OSP- (Separate application for OSP is required)</li> <li>Special Seismic Certification is not preapproved</li> </ul>
Certification Method(s)
<ul> <li>Testing in accordance with:</li> <li>Other* (Please Specify):</li> </ul>
*Use of criteria other than those adopted by the California Building Standards Code, 2016 (CBSC 2016) 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 2016 may be used when approved by OSHPD prior to testing.  Analysis DATE: 06/13/2017 Combination of Testing, Analysis, and/or Experience Data (Please Specify):
List of Attachments Supporting the Manufacturer's Certification
Test Report
OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2016 & ALL PRE-2016 CODE BASED PROJECTS
Signature:       Nether Stack       Date:       06-13-2017         Print Name:       William Staehlin       Image: Milliam Staehlin       Image: Milliam Staehlin         Title:       SSE       Image: Milliam Staehlin       Image: Milliam Staehlin         Condition of Approval (if applicable):       Image: Milliam Staehlin       Image: Milliam Staehlin
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dvnamic 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-0354-13 THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622
	JFACTURER: BECKMAN COULTER PMENT NAME: UniCel DxC 600 Synchron	Sheet: <u>1 of 11</u> Date: 5/23/17
1. TH (D 2. TH SF 3. TH SI 4. FC W W SE 5. TH 6. AL 7. CC 8. CC	<b>ERAL NOTES</b> HIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CBC. THE DEI DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 CBC. HIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTEI PECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT HIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN EE DETAIL FOR APPLICABILITY OPM-0354-13 ORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, HERE SDS = 1.50, $a_p = 2.5$ , $l_p = 1.5$ , $R_p = 2.5$ , $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR $\Omega_o$ HERE SDS = 2.20, $a_p = 2.5$ , $l_p = 1.5$ , $R_p = 2.5$ , $z/h = 0$ AT CONCRETE SLAB & $z/h \le 1$ AT CONCRETE SLAB ON META EE FOLLOWING SHEETS FOR $\Omega_o$ DATE: 06/13/2017 HIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTU LI DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGT ONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. ONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. ONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION AT OR BELOW GRADE. (i.e. $z/h = 0$ ) <b>ESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING</b>	D ABOVE FOR THE T. N 2.20 & 1.50 L DECK. URE. TH DESIGN.
B.	<ul> <li>PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OT</li> <li>VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2016 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHO PREAPPROVAL DOCUMENTS.</li> <li>VERIFY THAT PROJECT SPECIFIC VALUES OF SDS &amp; z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NOT</li> </ul>	
E.		No. 4197 EXP. 6-30-2018 c, 5/23/17 Plue t W

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EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com													
BECKMAN COULTER							DE8.	J. ROBE	RSON	SHEET			
						јов	NO. 11-1	604	2				
	UniCel DxC 600 Synchron					DATE	e 5/23/17		OF <b>11</b> SHEETS				
10. <u>E</u>	10. EXPANSION ANCHORS: A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED												
			CORRESPO			NUTIONS LIS	IED BEL	JW AND	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	
	1/2	-	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	6.5"	4.5"	See Detail "A"	40 FT-LB	891 lb	
	1/2		Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	3"	9"	4"	40 FT-LB	1204 lb	
	1/2	)"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3.25"	3"	24"	6"	40 FT-LB	2174 lb	
					S FOR UP TO A N OR 24" (SEE SCH	- 11		L1'		, EDGE DIS	TANCES SP	1 1.5 x EDGE DISTANCES	
					ENT DETAIL FOR				MAD	(SEE SCH		(SEE SCHEDULE)	
					RETE EDGE DIS		Dp	d	E ST				
	TE INS	STINC SPEC	G SHALL BE	DONE IN REPORT	CHORS PER 2016 THE PRESENCE OF THE TEST RE	OF THE SPE	<u>CIAL</u> 3 L BE		EDGE DISTANCES		[•		
					JRS HAVE ELAPS	ED SINCE IN	STALLATI	ON, hli	n d				
		DIRE		ENSION 1	FEST OR TORQUE		AST 50%	OF		0	e	_•	
	(ii)	ACC	EPTANCE C	RITERIA		AIE: 00,		. 0 1 7	TANCES	THIR			
(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 BECOMES LOOSE.													
TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED     WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE													
	(iiii)		NUT NY ANCHOR	R FAILS T	EST ALL ANCHOR	RS							
<ul> <li>(iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.</li> <li>D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB WHEN INSTALLING CONCRETE EXPANSION ANCHORS.</li> </ul>													
					ENGAGEMENT C		SHER.						
					METAL DECK								
	TIC RE	ght (1 Quir	THE SNUG-T ED TO BRIN	G THE CO	BY 3/4 TURN OF 1 NDITION IS DEFIN ONNECTED PLIES NLESS OTHERWIS	NED AS THE <sup>-</sup> S INTO FIRM (	TIGHTNES	SS		5	Mathe	HAN ROBIN	FU
	B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.									INEE			
								H + SIL	XP. 6-30-2018 5/23/17 PUCTUR OF CALLFORM	*			

















