

### DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

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

OFFICE USE ONLY

APPLICATION #: OPM-0731

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: X New Renewal/Update

#### **Manufacturer Information**

Manufacturer: Diagnostica Stago, Inc.

Manufacturer's Technical Representative: Jennifer Blockhaus

Mailing Address: 5 Century Drive, Suite 200, Parsippany, NJ 07054

Telephone: (973) 631-1200

Email: jennifer.blockhaus@us.stago.com

#### **Product Information**

Product Name: STA Workcell Max	2 ODM 0724
Product Type: Other mechanical and ele	ectrical components
Product Model Number: Loading Module	BY: Mohammad Karim
General Description: Component of the	STA Workcell Max System
CP	DATE: 07/29/2024
Applicant Information	
Applicant Company Name: EASE LLC.	R
Contact Person: Tiffany Tonn	BUILDING
Mailing Address: 1515 FAIRVIEW AVE,	STE 205, MISSOULA, MT 59801
Telephone: (406) 541-3273	Email: tiffany@easeco.com
Title: Office Assitant	

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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





### DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

## 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 preapproved under OSP OSP Number:								
FOR CODE CO.								
Certification Method								
Testing in accordance with: ICC-ES AC156 FM 1950-16								
Other(s) (Please Specify):								
*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								
Combination of Testing, Analysis, and/or Experience Data (Please Specify):								
OPNIA ODE								
HCAI Approval								
Date: 7/29/2024								
Name:         Mohammad Karim         Title:         Supervisor, Health Facilities Review								
Condition of Approval (if applicable):								



		FOURMENT ANCHORAGE & SEISMIC ENGINEERING The Department of Health Care Access and Information PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0731 THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622					
		FACTURER: DIAGNOSTICA STAGO, INC. MENT NAME: STA Workcell Max - LOADING MODULE	Sheet: <u>1 of 8</u> Date: 7/25/24					
GE	NE	ERAL NOTES						
1.		IIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. THE DEMA	NDS					
	`	ESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2022 CBC						
2.		IIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED PECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT						
3.		IIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN						
4.		DRCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, WHERE SDS = 2.30, $a_p$ = 1.0, $I_p$ = 1.3 DNCRETE SLAB & z/h < 1 AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHEETS FOR $\Omega_0$	5, Rp = 1.5, z/h = 0 AT					
5.		The stable stable stable stable in metal deck. See following sheets for $\Omega_0$ is preapproval covers only the supports and attachments of the equipment to the structu	JRE.					
6.		L DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGT						
7.		DNCRETE 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 OR BELOW GRADE. (i.e. z/h = 0)						
9.	RE	ESPONSIBILITIES 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.					
	<ul> <li>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 SHOWN ON THE PREAPPROVAL DOCUMENTS.</li> </ul>							
	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).						
	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. 6-30-2026 5. 7/25/24 <i>PUCIWB</i> <i>OF</i> CALLFORM					

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com											
				STICA STAGO, INC.			DES.	J. ROBE	rson	SHEET	
				-			JOB N	јов no. 11 <b>-2407</b>		2	
STA Workcell Max LOADING MODULE							DATE	7/25/	24	OF <b>8</b> SHEETS	
10. EXPANSION ANCHORS:											
A	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	ESR-4266	2"	6.75"	16"	See Detail "A"	30 FT-LB	N/A
	3/8"	Normal Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	2"	6"	14"	4"	30 FT-LB	1983 lb
B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 14" AWAY MINIMUM (i.e CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.											
C. TESTING AND SPECIAL INSPECTION OF EXPANSION ANCHORS SHALL 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 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.								U SPACING			
	(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. TYPICAL CONCRETE EDGE DETAIL (SLAB ON GRADE ONLY)										
	•			PPLICABLE TORQU TS: WEDGE TYPE :							
	(iii) IF A	NY ANCHOR	FAILS, TE	ST ALL ANCHORS.							
۵				STEEL REINFORCIN E EXPANSION ANC		RETE SLAE	3				
E	. PROVID	E FOR FULL	THREAD I	ENGAGEMENT OF N	NUT & WASH	ER.					
11. BO	LTS THROU	JGH CONCRE	ETE ON M	ETAL DECK							
μ	A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED, UNLESS OTHERWISE NOTED.								HAN ROBERT		
B	B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.								No. 4197		
C	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.							XP. 6-30-2026 ↑, 1/25/24 PUCIUR OF CALLEOR PUCIUR OF CALLEOR			











