

## DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0134

HCAI Preapprova	l of Manufacturer's	<b>Certification (OPM)</b>
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Type: New X Renewal/Update

#### **Manufacturer Information**

Manufacturer: SenCorp White

Manufacturer's Technical Representative: Scott Crossman

Mailing Address: 400 Kidds Hill Road, Hyannos, MA 02601

Telephone: (508) 771-9400	Email:	scott.crossman-7288@sencorpwhite.com
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#### **Product Information**

Product Name: VERTICAL CAROUSEL 21XXXX-XX2 SERIES 0134

Product Type: Other Mechanical & Electrical Equipment

Product Model Number: 21XXXX-XX2 SERIES

General Description: Pharmaceutical Storage and Retrieval System

#### **Applicant Information**

Applicant Compa	ny Name: EASE LLC	TAN						
Contact Person:	Tiffany Tonn	BU	ILDING					
Mailing Address:	ss: 1515 FAIRVIEW AVE, STE 205, MISSOULA, MT 59801							
Telephone: (406	) 541-3273	Email:	tiffany@easeco.com					
Title: Office Mana	ager							

"A healthier California where all receive equitable, affordable, and quality healthcare"



## DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

# Registered Design Professonal Preparing Engineering Recommendations

Name: Jonathan Roberson	California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, Chin	o 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:							
FO	R CODE CON						
Certification Method	Mp,						
Testing in accordance with: ICC-ES AC156	FM 1950-16						
Other(s) (Please Specify):	2PM-0134						
	nia Building Standards Code, 2022 (CBSC 2022) for component supports tem, interior partition wall, and suspended ceiling seismic bracings, test y be used when approved by HCAI prior to testing.						
X Analysis							
Experience Data	E: 07/06/2023						
Combination of Testing, Analysis, and/or Experience Data (Please Specify):							
OPNIS CODE							
HCAI Approval	JUILDING						
Date: 7/6/2023							
Name: William Staehlin	Title: Senior Structural Engineer						
Condition of Approval (if applicable):							



	FQUIRMENT ANCHORAGE & SEISMIC ENGINEERING The Department of Health Care Access and Information PREAPPROVAL OF MANUFACTURER'S CERTIFICATI OPM-0134 THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING C	
MANUFACTURER: EQUIPMENT NAME:	SenCorpWhite VERTICAL CAROUSEL (21XXXX-XX2 SERIES)	Sheet: <u>1 of 4</u> Date: 7/5/23
<ul> <li>(DESIGN FORCH SPECIFIC PROJ SPECIFIC PROJ</li> <li>THIS PREAPPRI SEE DETAIL FO</li> <li>FORCES PER A WHERE SDS = 1 WHERE SDS = 2</li> <li>THIS PREAPPRI</li> <li>ALL DESIGN FO</li> <li>CONCRETE SLA</li> <li><b>RESPONSIBI</b></li> <li>A. PROVIDE S</li> <li>VERIFY THA MATERIAL A PREAPPRO</li> <li>C. VERIFY THA EXCEED THO NERIFY THA EDGES OR</li> <li>VERIFY THA EDGES OR</li> <li>VERIFY THA UNIT ATTAC</li> </ul>	S APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. T IS) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2022 CBC. T MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTUR ECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH DVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREA R APPLICABILITY SCE 7-16 SECTION 13.3.1, EQUATIONS 13.3.1, 13.3.2 & 13.3.3, 40, $a_p = 1.0$ , $ _p = 1.5$ , $R_p = 1.5$ , $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FO D00, $a_p = 1.0$ , $ _p = 1.5$ , $R_p = 1.5$ , $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FO D04. COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE RCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR B DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e, $z/h = 0$ ) <b>LITES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING</b> UPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO T THE INSTALLATION IS IN CONFORMANCE WITH THE 2022 CBC AND WITH THE DETAIL ND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMA VAL DOCUMENTS. IT PROJECT SPECIFIC VALUES OF SDS & $z/h$ RESULT IN SEISMIC FORCES (Eh, Ev) THAT E VALUES ON THE DETAILS. IT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE ENTS OF THE APPLICABLE ICC ESR REPORT. AND THIS OPM. IT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB DPENINGS (SEE TYPICAL DETAIL ON SHEET 2). IT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE HMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN FROM THIS UNIT'S ANCHORS.	ER LISTED ABOVE FOR THE CONSENT. TER THAN 1.40 & 2.00. R Ω₀ R Ω₀ STRUCTURE. STRENGTH DESIGN. TO ALL OTHER LOADS. LS, ATION SHOWN ON THE

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	VERTICAL CAROUSEL (21XXXX-XX2 SERIES)				DATE	7/5/2	3	of <b>4</b> st	HEETS		
EXPANSION A							•				
	HMENT IS TO CORRESPON		de with the anc C report.	HORS LISTE	D BELOW	/ AND IN	STALLED A	AS DESCRIB	ED		
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 Tensic Test	n
5/8"	Normal Weight	4000	Hilti Kwik Bolt TZ2	ESR-4266	4"	7"	60"	6"	40 FT-LB	1363 lb	
5/8"	Normal Weight	4000	HIT-HY 200 V3 (CARBON STEEL)	ESR-4868	7"	7"	60"	8.5"	N/A	3232 lb	
CONCF SEE A EDGE I C. TESTIM BE PEF EMPLC AND C OF REC RESPC (i) AF DIF TH (ii) AC	5/0         Weight         4000         HTT-HT 200 V3         ESR-4000         7         7         60         6.5         N/A         3232 lb										
			STEEL REINFORCIN		RETE SLA	В					
			ENGAGEMENT OF		HER.						
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