

Type:

# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0210-19

SHPD Preapprova	I of Manufacturer's	<b>Certification (O</b>	PM)
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X New Renewal/Update

### **Manufacturer Information**

Manufacturer: BD

Manufacturer's Technical Representative: Thi Ho

Mailing Address: 10020 Pacific Mesa Blvd., San Diego, CA 92121

Telephone: 858-617-4696

Email: thi.ho@bd.com

#### **Product Information**

Product Name: PYXIS & SUPPLYSTATION RF RFID STATIONS

Product Type: Other electrical and mechanical components

Product Model Number: Pyxis & Supplystation RE-

General Description: The Pyxis Procedure Station RFID (Radio Frequency Identification) & Supplystation systems from BD is a secure, supply management system that helps manage high-value stents.

## Applicant Information

Applicant Compar	ny Name:	EASE Co	VIA BUILLE CON
Contact Person:	Jonathan	Roberson	JUILDING
Mailing Address:	587	77 Pine Ave, Suite 2	210, Chino Hills, CA 91709
Telephone: (909) 606-7622		7622	Email: J.Roberson@EASECo.com
Title: Structural E	Engineer		

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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engine	eering Recommendations
Company Name: EASE	
Name: Jonathan Roberson	California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, , Chino Hills	, CA 91709
Telephone: 909-606-7622 Email:	jon@EASECo.com
OSHPD Special Seismic Certification Preapprova	II (OSP)
Special Seismic Certification is preapproved under O	SP OSP Number:
	CODA
Certification Method	R CODE CO,
Testing in accordance with: ICC-ES AC156	FM 1950-16
Other(s) (Please Specify):	
	Building Standards Code, 2019 (CBSC 2019) for component supports n, interior partition wall, and suspended ceiling seismic bracings, test
X Analyzia	effrey Kikumoto
	6
	08/28/2020
Combination of Testing, Analysis, and/or Experience	Data (Please Specify):
ORNIA	CODÉ

 OSHPD Approval
 BUILDING

 Date:
 8/28/2020

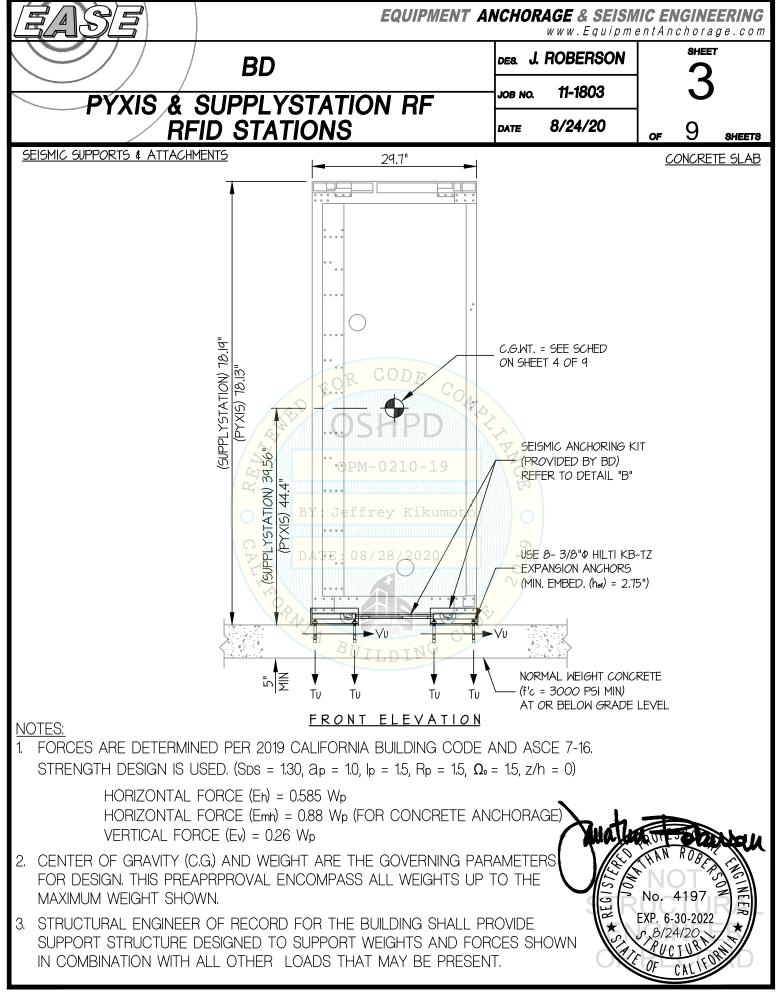
 Name:
 Jeffrey Kikumoto

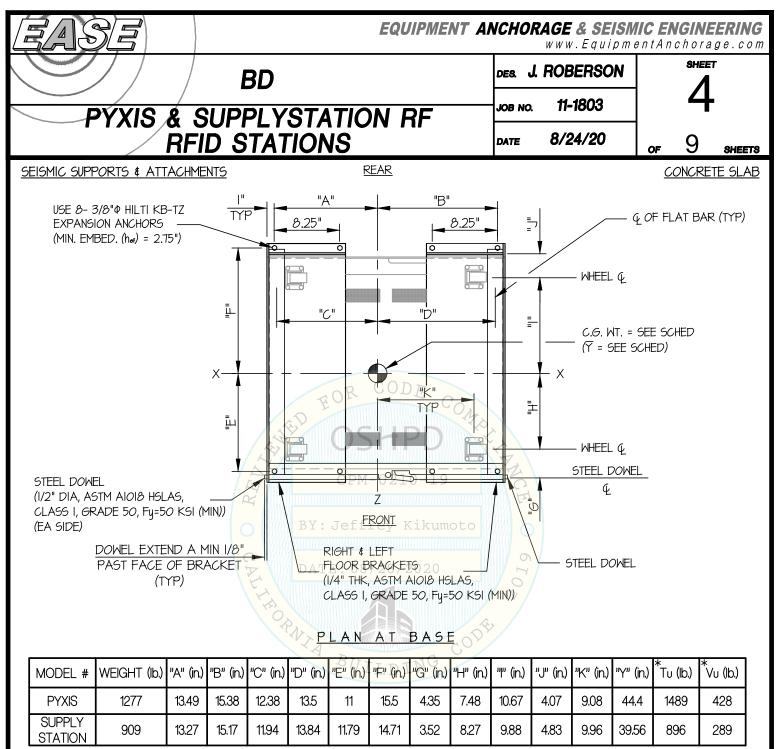
 Condition of Approval (if applicable):
 Title: Senior Structural Engineer



	EQUIRMENT ANCHORAGE & SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0210 THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE	
	IFACTURER: BD PMENT NAME: PYXIS & SUPPLYSTATION RF RFID STATIONS	Sheet: <u>1 of 9</u> Date: 8/24/20
1. TH (D 2. TH SF 3. TH RE 4. FC W W 5. TH 6. AL 7. CC	<b>ERAL NOTES</b> HIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2019 CBC. TH ESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2019 CBC. HIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER L PECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CON HIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER EFER TO DETAIL FOR APPLICABILITY. DRCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, HERE SDS = 1.30, $a_p = 1.0$ , $I_p = 1.5$ , $R_p = 1.5$ , $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR $\Omega_0$ HERE SDS = 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 FOLLOWING HIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE L DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRUCTURE DNCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION BELOW GRADE. (LOW)	ISTED ABOVE FOR THE ISENT. THAN 1.30 & 2.20. S SHEETS FOR $\Omega_0$ RUCTURE. ENGTH DESIGN. DING. (i.e. z/h ≤ 1)
9. <u>R</u>	ESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING	
B. C. D. E.	PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO A VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION PREAPPROVAL DOCUMENTS. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev ) THAT DO EXCEED THE VALUES ON THE DETAILS. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev ) THAT DO EXCEED THE VALUES ON THE DETAILS. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT AND THIS OPM. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2). 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.	N SHOWN ON THE

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com												
	BD				DES.	J. ROBE	RSON	SHEET				
	PYXIS & SUPPLYSTATION RF							Јов	NO. 11-1	803	2	
								DATI	= <b>8/24/20</b>		of 9 sheets	
10. <b>EXP</b>	ANSION AN			•								210
A.		MENT IS TO ORRESPONE		e with the anc Report.	HORS LISTE	D BELOV	V and in	STALLED	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 Tension	
	5/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3.125"	9.375"	12"	See Detail "A"	60 FT-LB	N/A	
	3/8"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2.75"	8"	12"	5"	25 FT-LB	2107 lb	
В.	B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 21" AWAY MINIMUM (i.e CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE									]		
C.	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, CUMO CO DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF THE ANCHORS.												
	<ul> <li>(ii) ACCEPTANCE CRITERIA:</li> <li>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.</li> </ul>											
				PPLICABLE TORQ				l				
	(iii) IF AN	IY ANCHOR F	AILS, TES	ST ALL ANCHORS.								
D.				TEEL REINFORCIN E EXPANSION ANC		RETE SLA	В					
E.	PROVIDE	FOR FULL T	HREAD E	NGAGEMENT OF	NUT & WASH	IER.						
11. BOL	TS THROU	GH CONCRE <sup>-</sup>	TE ON ME	TAL DECK								
A.	tight (t Require	HE SNUG-TIC D TO BRING	SHT CONI	( 3/4 TURN OF THI DITION IS DEFINEI INECTED PLIES IN ESS OTHERWISE	D AS THE TIC ITO FIRM CC	GHTNESS			$\left\langle \right\rangle$	Juatin	HAN ROBE	m
В.				BE 1/16" LARGEF FOR CONCRETE		T SIZE				1510	No. 4197	A NEF
C.	TESTING TENSION	(THROUGH   I DO NOT RE	BOLTS W QUIRE TE	TE SHALL RECEIV ITH STEEL TO STE INSION TESTING) STALLED ANCHOI	EEL CONNEC	CTION IN					EXP. 6-30-2022 p. 8/24/20 PUCIVE OF CALIFORM	





\* VALUES INCLUDE Ω.

