

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-0515

OSHPD Preapprova	I of Manufacturer's	Certification (OPM)
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X New Renewal/Update

Manufacturer Information

Manufacturer: Beckman Coulter

Manufacturer's Technical Representative: Nico Wedekind

Mailing Address: Sauerbruchstraße 50, München, Ba 81377

Telephone: +49 89 579589 3551

Email: NWedekind@beckman.com

Product Information

Product Name: DxA Automation System

Product Type: Other Mechanical or Electrical Component

Product Model Number: (5 Instuments: Models B87341, B50845, B50844, B50846, B50848) (27 Transports: B37440, B37443, B37963, B38005, B42934, B42938, B50516 B51679, B57018, B57634, B68911, B71587, B71589, B71597, B71598, B71599 B71600, B71601, B71602, B74207, B74208, B74209, B77037, B79209, B57633 B57631, B57632) TF. 03/25/2020

General Description: Automated blood analysis system

Applicant Information

Applicant Company Name: EASE LLC.

Contact Person: Tiffany Tonn

Mailing Address: 1515 FAIRVIEW AVE, STE 205, MISSOULA, MT 59801

Telephone: (406) 541-3273

Email: tiffany@easeco.com

Title:

"Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

OSHP



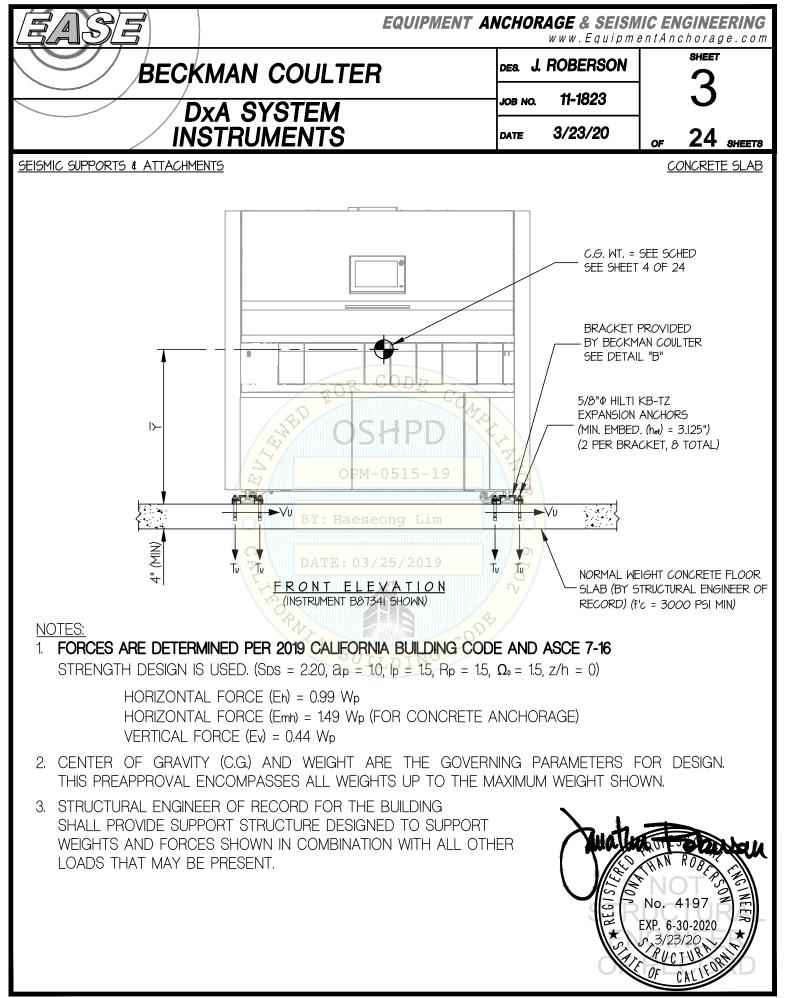
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

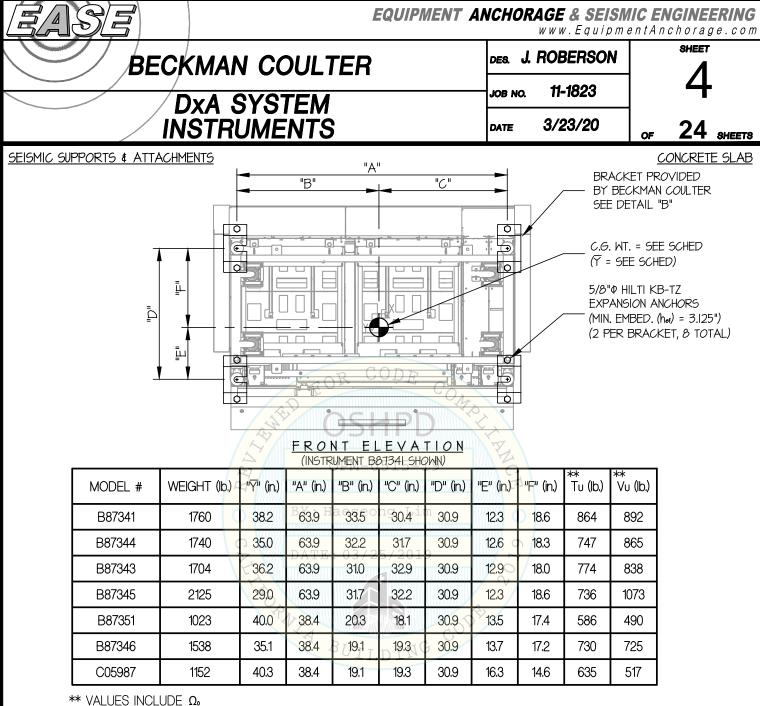
Registe	ered Design Professo	onal Preparing Engineering	g Recommen	dations
Compan	y Name: EASE			
Name:	Jonathan Roberson		California Lice	nse Number: S4197
Mailing A	Address: 5877 Pine Ave	e., Suite 210, , Chino Hills, CA S	91709	
Telepho	ne: () -	Email: jon	@EASECo.com	
OSHPD	O Special Seismic Ce	rtification Preapproval (OS	6P)	
Spe	ecial Seismic Certification	n is preapproved under OSP	OSP	Number:
		OB (COD <u>F</u>	
Certific	ation Method	EOI	$\sim C_{O}$	
Testing i	in accordance with:	ICC-ES AC156	A 1950-16	(P)
Oth	er(s) (Please Specify):			1 The second sec
and atta	chments are not permitte	ed. Fo <mark>r dis</mark> tribution system, inte I in the CBSC 2019 may be use	erior partition wa	Code, 2019 (CBSC 2019) for component supports ill, and suspended ceiling seismic bracings, test ed by OSHPD prior to testing.
X Ana	alysis	O BY: Haesed	ong Lim	
Exp	perience Data	G DATE: 03/2		67
	mbination of Testing, Ana	alysis, and/or Experience Data	(Please Specify	
_		FORNIA	CC CC	DÊ
OSHPD) Approval	BUII	LDING	
Date: 3/	/25/2020			
Name:	Haeseong Lim		Title:	Senior Structural Engineer
Conditio	n of Approval (if applicab	ıle):		



	FOURMENT ANCHORAGE SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0515-19 THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622
	ANUFACTURER: BECKMAN COULTER QUIPMENT NAME: DXA SYSTEM	Sheet: <u>1 of 24</u> Date: 3/23/20
G	ENERAL NOTES	
1. 2. 3. 4. 5. 6. 7. 8.	THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2019 CBC. THE DE (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2019 CBC THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSEN THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THA SEE DETAIL FOR APPLICABILITY FORCES PER ASCE 7-16 SECTION 13.3.1; EQUATIONS 13.3-1, 13.3-2 & 13.3-3, WHERE SDS = 2.20, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h = 0$ AT CONCRETE SLAB, $z/h \le 1$ AT CONCRETE SLAB ON METAI SEE FOLLOWING SHEETS FOR Ω_0 THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCT ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENG	ED ABOVE FOR THE T. N 2.20. L DECK. TURE. TH DESIGN.
J.	 A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OF B. 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 SH PREAPPROVAL DOCUMENTS. 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. 	OWN ON THE

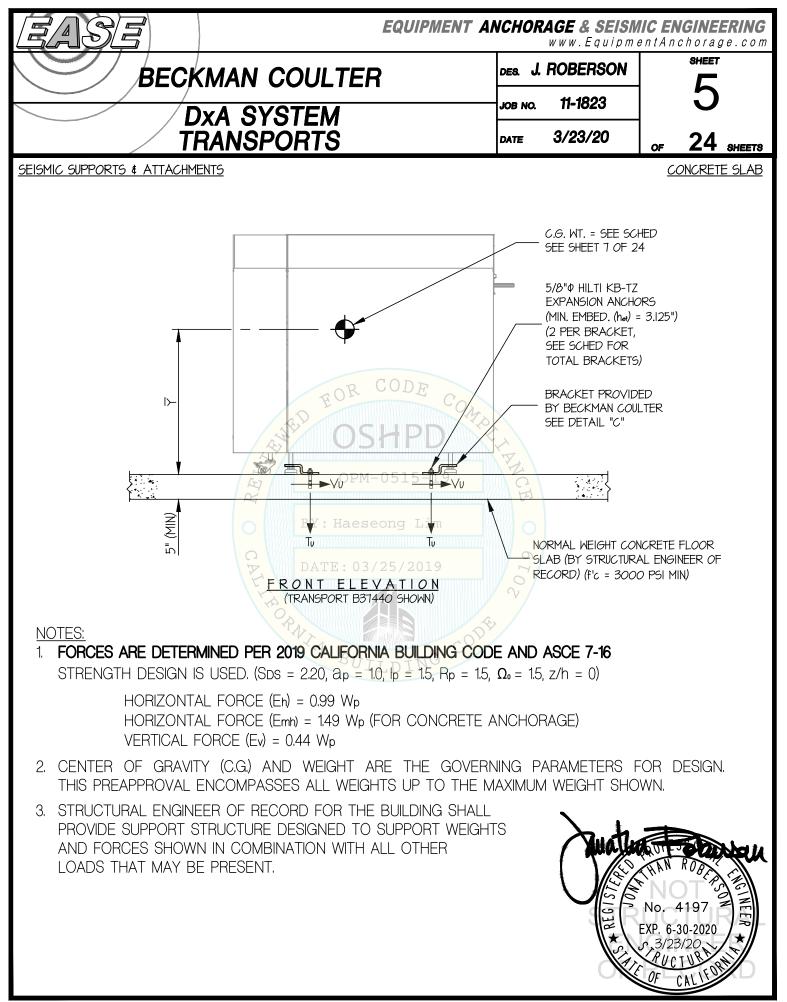
	15					EQUI	PMEN1	ANCH			I C ENGINEERIN ntAnchorage.co		
	D,	BE	CKM	IAN COL		2		DES.	J. ROBE	RSON	SHEET		
								JOB	NO. 11-16	823	2		
			DxA	A SYSTEM	Л			DATE	3/23	3/20	of 24 shee	T 8	
10. EXPA	ANSION A	NCHORS:											
Α.		HMENT IS TO I CORRESPONI		WITH THE ANCHOR REPORT.	S LISTED BEL	OW AND I	NSTALLED	AS DESCR	BED				
	Anchor)iameter	Concrete Type	Min. fc (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 TZ	ESR-1917	2"	6.75"	12"	See Detail "A"	25 FT-LB	N/A		
	1/2"	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3.25"	9.75"	24"	See Detail "A"	40 FT-LB	N/A		
	5/8"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3.125"	6"	24"	5"	60 FT-LB	2570 lb		
	5/8"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	3.125"	8"	24"	5"	60 FT-LB	2905 lb		
B. C.	CONCR ADJACE EDGE D TESTIN BE PER	ETE SLAB ED ENT DETAIL F DISTANCES. G AND SPECI FORMED BY A	ges, 12 o or additi Al inspec An appro	FOR UP TO A MAXIN R 24" AWAY MINIMU ONAL MINIMUM ALL CTION OF EXPANSIO VED INDEPENDENT WNER PER CBC 17	JM (i.e CORN LOWABLE CO DN ANCHORS	NER). SEE NCRETE SHALL -0515	D	EDEE DISTANCES			(SEE SCHEDULE)		
	OF REC	ORD, OWNER	R AND THE	SH <mark>ALL BE</mark> SENT TC ARCHITECT OR EN	Y: Haese	eong l	Lim	_		[
		NSIBLE CHAR		C D	ATE: 03	/ 25 / 20)19	G	67				
	DIF	TER AT LEAST RECT PULL TE E ANCHORS.	T 24 HOUR NSION TE	S HAVE ELAPSED S	SINCE INSTAL	LATION,		KES .	й	0			
	(ii) AC	CEPTANCE CI	RITERIA:	PAR				EDGE DISTANCES	(SEE SCHEDU	SP =	P = BOLT SPACING		
	•	MOVEMENT	AT THE TI	T: THE ANCH <mark>OR SH</mark> EST LOAD. A PRACT IENT IS THAT THE W	FICAL WAY T	O DETERN	AINE	I5 × EDGE					
	•			PPLICABLE TORQU TS: WEDGE TYPE : ^			WITHIN		<u>TYPICA</u>	L CONCRET	<u>e edge detail</u>		
	(iii) IF A	ANY ANCHOR	FAILS, TE	ST ALL ANCHORS.									
D.				TEEL REINFORCING EXPANSION ANCH		TE SLAB							
E.	PROVIE	DE FOR FULL 1	THREAD E	NGAGEMENT OF NU	JT & WASHEF	₹.							
11. BOLT	TS THROL	JGH CONCRE	TE ON ME	TAL DECK					\	-			
A.	TIGHT (REQUIF	THE SNUG-TI	GHT CONE THE CON	23/4 TURN OF THE I DITION IS DEFINED A INECTED PLIES INT ESS OTHERWISE NO	AS THE TIGHT O FIRM CONT	TNESS	}		$\left(\right)$	Juatin	HAN PORT	K	
				. BE 1/16" LARGER T	THAN BOLT SI	ZE					No. 4197	1	
) FOR CONCRETE.							EXP. 6-30-2020	∥–	
D.	TESTIN NOT RE	G (THROUGH	BOLTS W	E SHALL RECEIVE ITH STEEL TO STEE NG) IN ACCORDANC		ON IN TEN	SION DO				0F CALLED)	

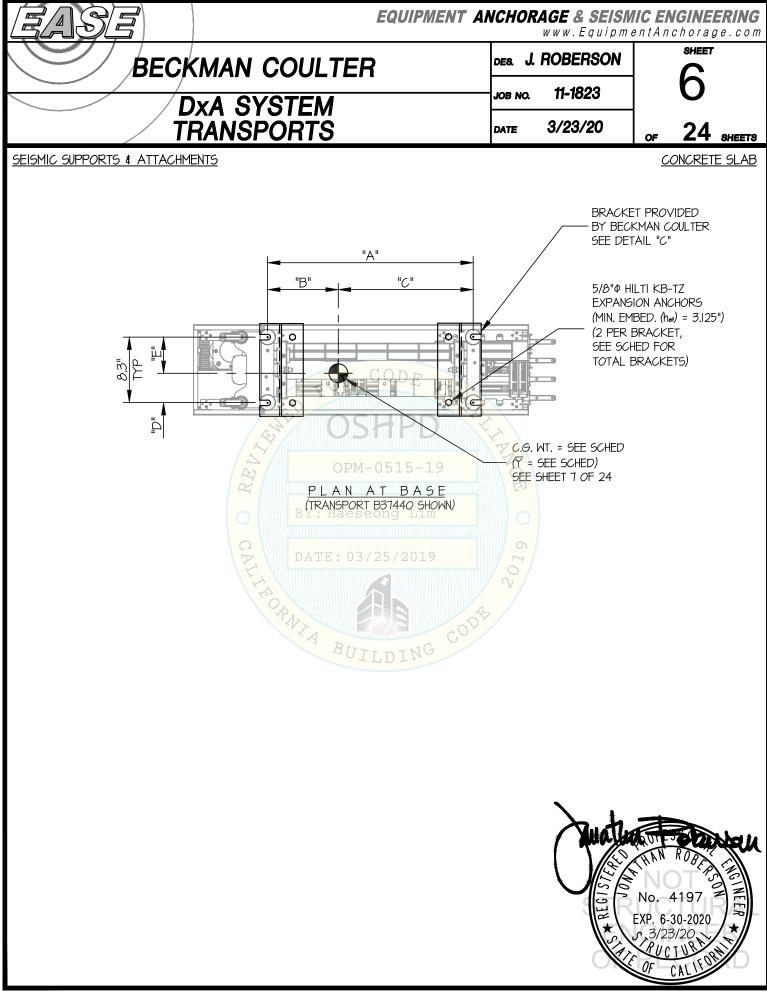




Tu & Vu ARE IN LB/BOLT







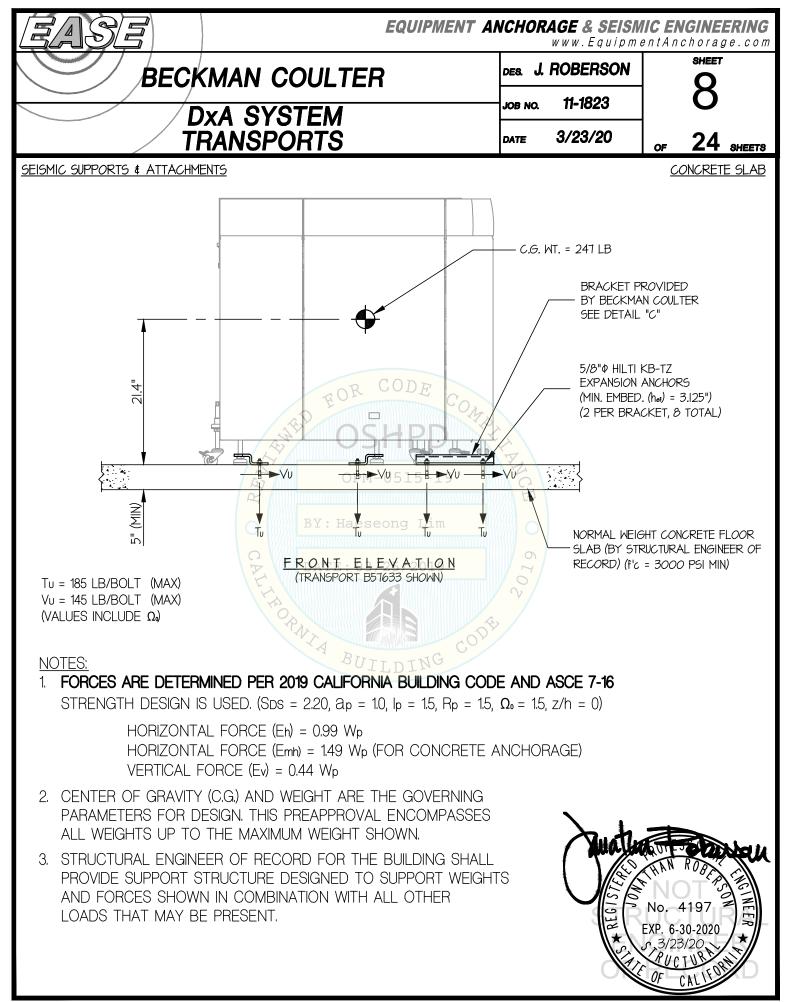
	BEC	1							www.E	quipme	; II (A I	ichora	ge.con
		KMAN	COL	JLTE	R			des. J.	ROBER	rson		SHEE	r
		DxA SY						JOB NO.	11-18	23		1	
		RANSF						DATE	3/23/	20	OF	24	SHEETS
EISMIC SUPPOF	RTS & ATTACH	IMENTS	-	-		-	-				<u>(</u>	ONCRE	TE SLAB
MODEL #	# OF BRACKETS	WEIGHT (lb.)	"Y" (in.)	"A" (in.)	"B" (in.)	"C" (in.)	"D" (in.)	"E" (in.)	** Tu (lb.)	** Vu (lb.)			
B37440	2	199	23.6	26	8,8	17.2	3.7	4.6	1423	194			
B37443	2	188	24.3	45.7	23.1	22.6	3.1	5.2	1038	197			
B37963	2	173	22.8	26.8	13.6	13.2	4.15	4.15	930	149			
B38005	2	109	22.3	20	10	10	4.15	4.15	582	105			
B42934	2	168	23.5	45.7	23.7	22	3.0	5.3	917	179			
B42938	2	178	23.2	26.8	13.6	13.2	4.15	4.15	975	153			
B50516	2	197	23.4	26	(9.6 D	F 16.4	3.9	4.4	1334	183			
B51679	2	179	24.1	45.7	23	22.7	3.0	5.3	976	190			
B57018	2	171	23.9	45.7	23.1	22.6	2.9	5.4	927	185			
B57630	2	109	21.7	20	10	10	2.8	5.5	577	120			
B57634	2	157 [2]	24	26 ^{PM}	-9451	5-11.9	<u>5</u> .5	2,8	768	174			
B68911	2	149	23.6	20	10.3	9.7	<mark>3</mark> .4	4.9	877	148			
B71587	2	15 <mark>4</mark>	22.3	26.8	13.4	13.4	4.15	4.15	798	149			
B71589	2	124	2 <mark>1.9</mark> A	ΓE ²⁰ 03	/ 29.8/2	_{0 1} 0,2	<mark>4</mark> .15	4.15	661	107			
B71597	2	92	21.4	20	10.2	9.8	4.15	4.15	479	79			
B71598	1	49	22.1	N/A	N/A	N/A	4.15	4.15					
B71599	2	143	22.5	20	9.7	10.3	4.15	4.15	791	123			
B71600	2	178	22.9	26.8	[<u>1</u> 3,4]	N 13.4	4.15	4.15	948	153			
B71601	2	146	22.6	20	9.9	10.1	4.15	4.15	798	125			
B71602	2	106	22.2	20	10	10	4.15	4.15	563	91			
B74207	2	126	21.7	20	9.9	10.1	4.15	4.15	659	108			
B74208	2	205	22.5	26.8	10.6	16.2	4.0	4.3	1277	186			
B74209	2	192	22.6	26.8	10.8	16	3.8	4.5	1189	181			
B77037	2	179	23.1	26.8	13.7	13.1	4.15	4.15	982	154			
B79208	2	220	22.3	26.8	10	16.8	4.15	4.15	1403	195	PROF	L3SLON	
B79209	2	220	22.3	26.8	10	16.8	4.15	4.15	1403		ATAN	D S	

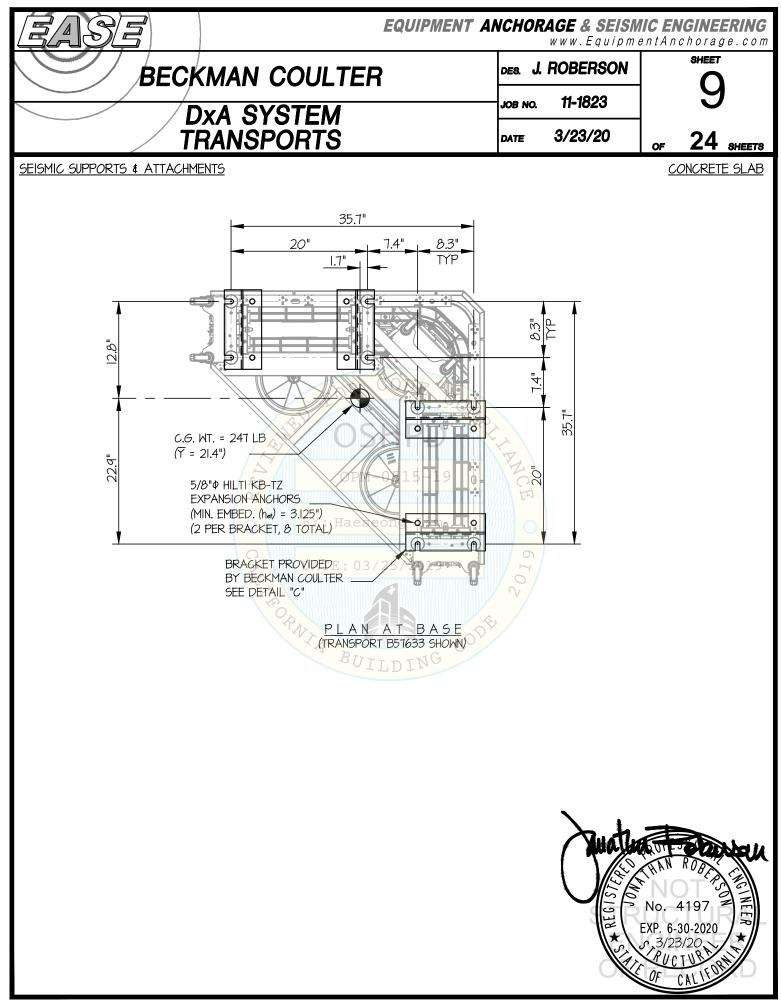
+ MUST BE CONNECTED TO AN ADJACENT TRANSPORT OR INSTRUMENT ANCHORAGE NOT REQUIRED ON THIS TRANSPORT

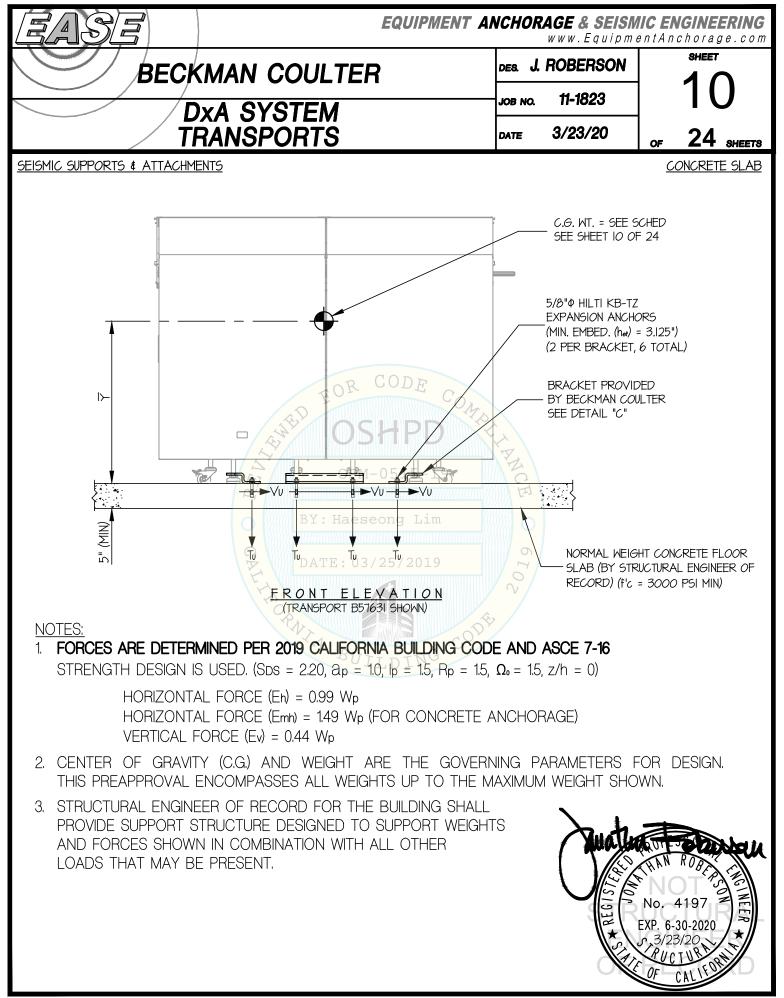
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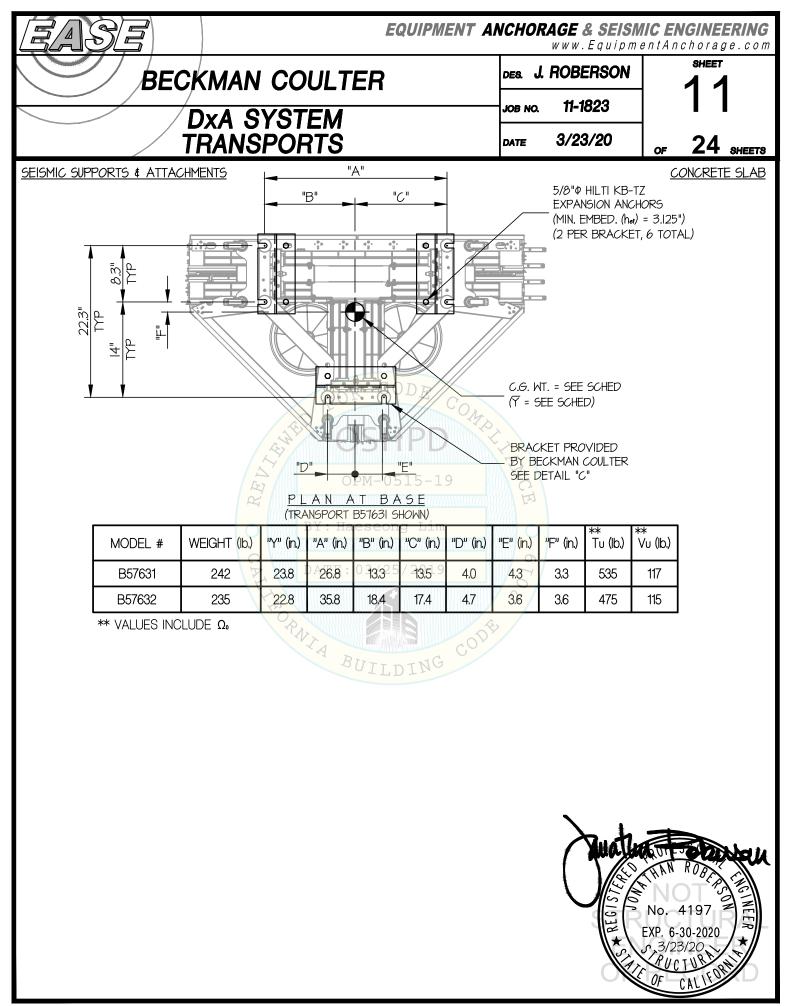
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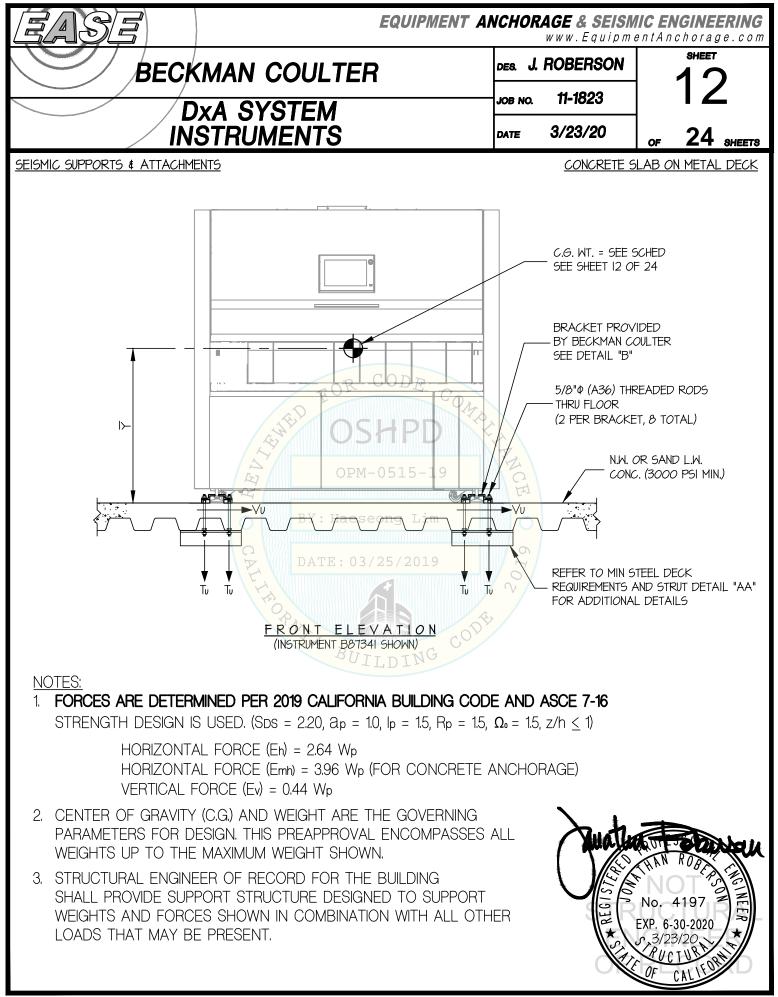
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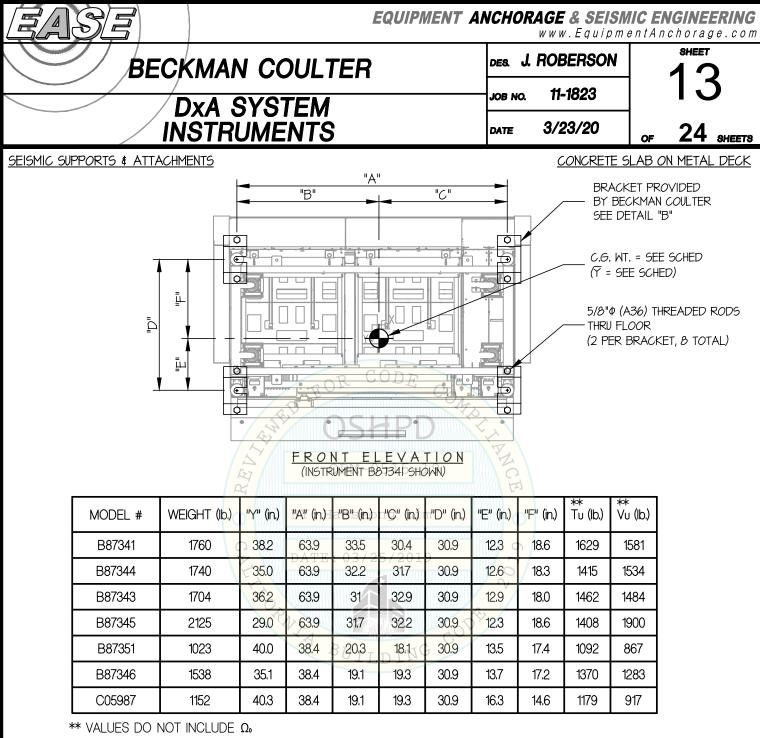






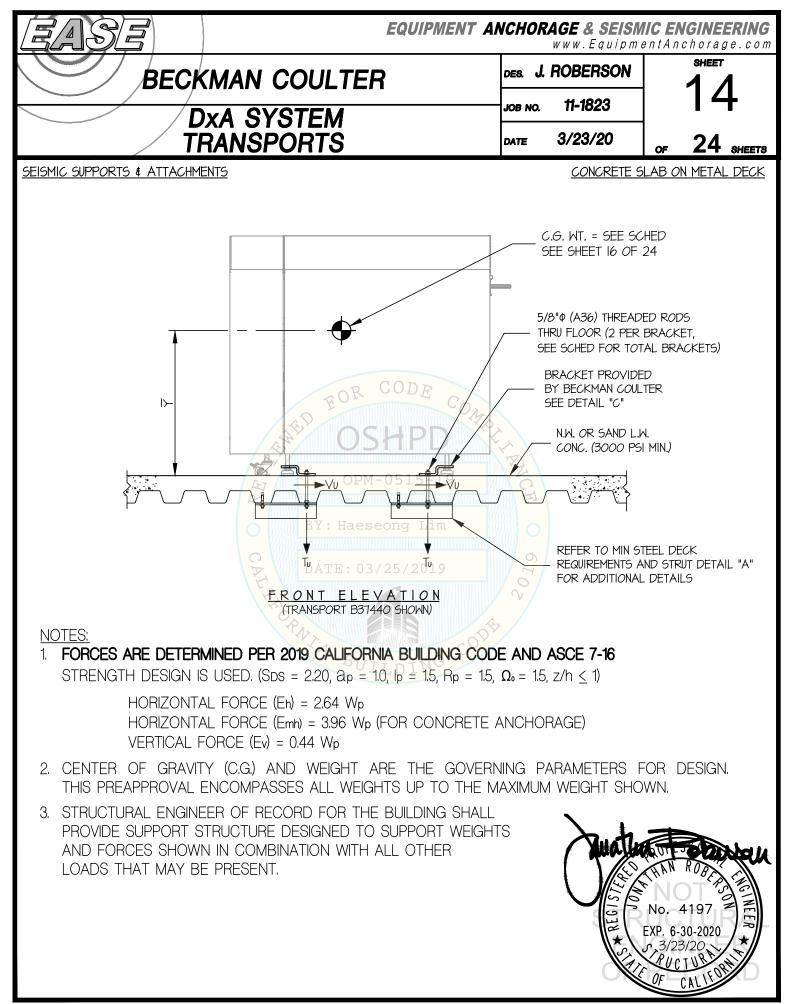


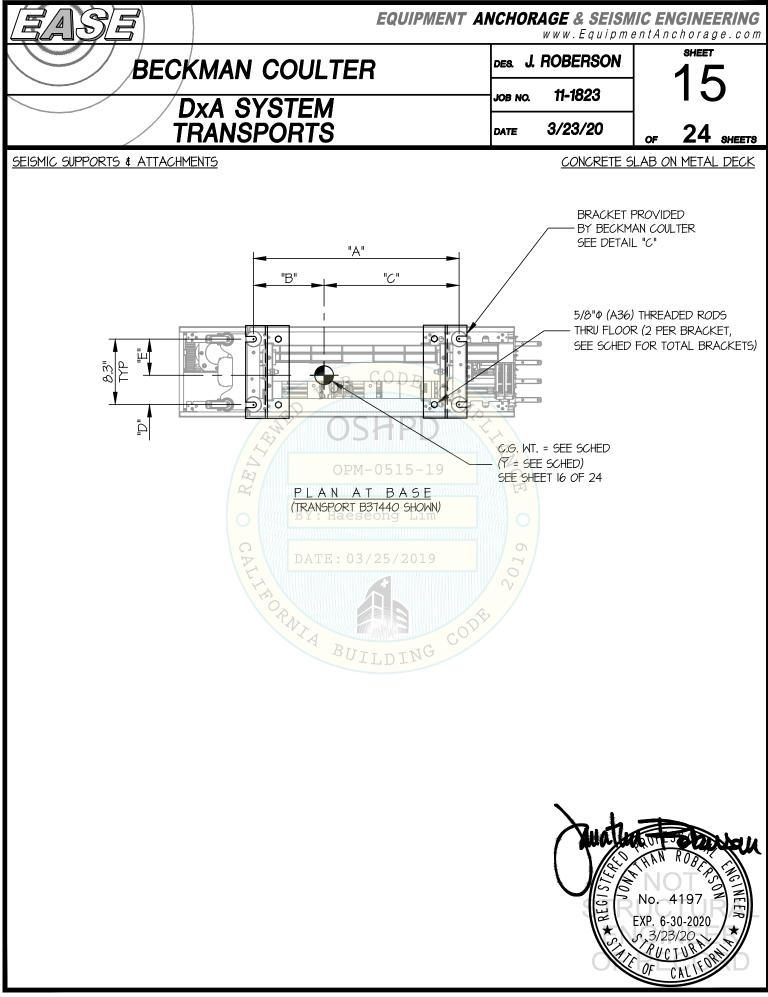




Tu & Vu ARE IN LB/BOLT







EAS	SE				EQ	UIPME	INT A	NCHOR			IIC ENGINEER entAnchorage
	BEC	KMAN	CO	ULT	ER			des. J.	ROBE	RSON	
			A SYSTEM					JOB NO.	11-18	323	10
	- /	DXA S TRANSI						DATE	3/23	/20	 ₀₅ 24 ₅⊮
EISMIC SUPPO	ORTS & ATTACI		•						CO	NCRETE S	ELAB ON METAL D
MODEL #	# OF BRACKETS	WEIGHT (Ib.)	"Y" (in.)	"A" (in.)	"B" (in.)	"C" (in.)	"D" (in.)	"E" (in.)	** Tu (lb.)	** Vu (lb.)	
B37440	2	199	23.6	26	8.8	17.2	3.7	4.6	2559	343	
B37443	2	188	24.3	45.7	23.1	22.6	3.1	5.2	1892	349	
B37963	2	173	22.8	26.8	13.6	13.2	4.15	4.15	1687	263	
B38005	2	109	22.3	20	10	10	4.15	4.15	1055	165	
B42934	2	168	23.5	45.7	23.7	22	3.0	5.3	1673	318	
B42938	2	178	23.2	26.8	13.6	13.2	4.15	4,15	1767	271	
B50516	2	197	23.4	26	9.6	D 16,4	3.9	4.4	2423	325	
B51679	2	179	24.1	45.7	23	22.7	3.0	5.3	1780	337	
B57018	2	171	23.9	45.7	23.1	22.6	2.9	5.4	1693	328	
B57630	2	109	21.7	20	10	10	2.8	5.5	1054	212	
B57634	2	157 🔄	24	26 ⁰¹	^M 14. 95	15 _{11.9} 19	5.5	2.8	1400	308	
B68911	2	149	23.6	20	10.3	9.7	3.4	4 .9	1593	263	
B71587	2	154	22.3	26.8	13.4	13.4	4.15	4 <mark>.15</mark>	1448	234	
B71589	2	124 🔓	21.9 _D	A 120 : (03985	21029	4.15	4.15	1199	189	
B71597	2	92	21.4	20	10.2	9.8	4.15	4,15	869	140	
B71598	1	49	22.1	N/A	N/A	N/A	4.15	4.15			
B71599	2	143	22.5	20	9.7	10.3	4.15	4.15	1435	218	
B71600	2	178	22.9	26.8	/ 13.4 D	I 13.4	4.15	4.15	1720	270	
B71601	2	146	22.6	20	9.9	10.1	4.15	4.15	1446	222	
B71602	2	106	22.2	20	10	10	4.15	4.15	1022	161	
B74207	2	126	21.7	20	9.9	10.1	4.15	4.15	1197	192	
B74208	2	205	22.5	26.8	10.6	16.2	4.0	4.3	2320	329	
B74209	2	192	22.6	26.8	10.8	16	3.8	4.5	2162	320	
B77037	2	179	23.1	26.8	13.7	13.1	4.15	4.15	1781	273	
B79208	2	220	22.3	26.8	10	16.8	4.15	4.15	2547	34	RULESSON
B79209	2	220	22.3	26.8	10	16.8	4.15	4.15	2547		ATT OKU

ANCHORAGE NOT REQUIRED ON THIS TRANSPORT



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EXP. 6-30-202

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