

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVAL	OFFICE USE ONLY
OF MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0361-13
OSHPD Preapproval of Manufacturer's Certification (OPM)	
Type: New Renewal Update to Pre-CBC 2013 C	PA Number:
Manufacturer Information	
Manufacturer: STEELCASE CORPORATION	
Manufacturer's Technical Representative: Michael Abson	
Mailing Address:901 44 th Street, Grand Rapids, MI. 49508	
Telephone: On File	
Product Information	MART
Product Name: Universal Storage Units	1 Alexandre
B7 OPM-0361-13	C
	File (30x24), 5 Drawer Lateral File (42x18) and 3
Product Model Number: Drawer Combo Cabinet	
General Description: <u>Storage/File Cabients</u>	<u> </u>
	ŵs?
Applicant Information	CODE
Applicant Company Name: EASE Co.	
Contact Person: Jonathan Roberson, S.E.	
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA. 91709	
Telephone: (909) 606-7622 Email: J.Robe	erson@EASECo.com
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2016.	Planning and Development review fees in
Signature of Applicant:	Date: 6/16/16
Title: Principal Engineer Company Name: EASE	Co.
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	OSHPD
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-700 (REV 12/16/15)	Page 1 of 2
05/30/2017 OPM-0361-13: Reviewed for Code Compliance	by William Staehlin Page 1 of 10

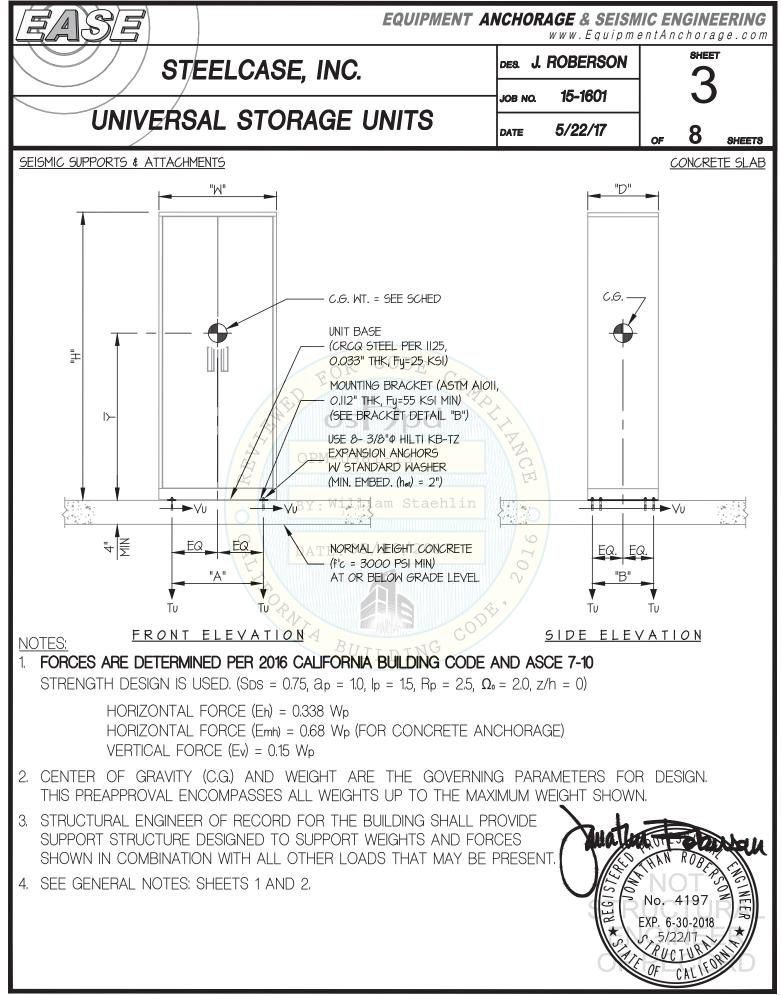


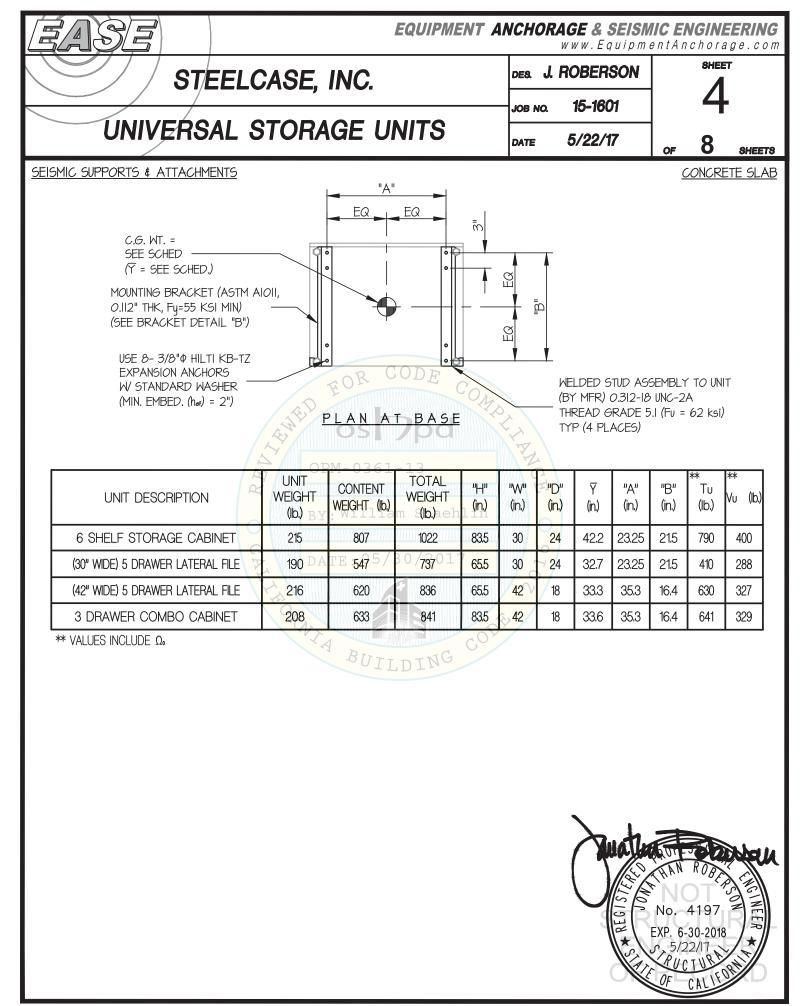
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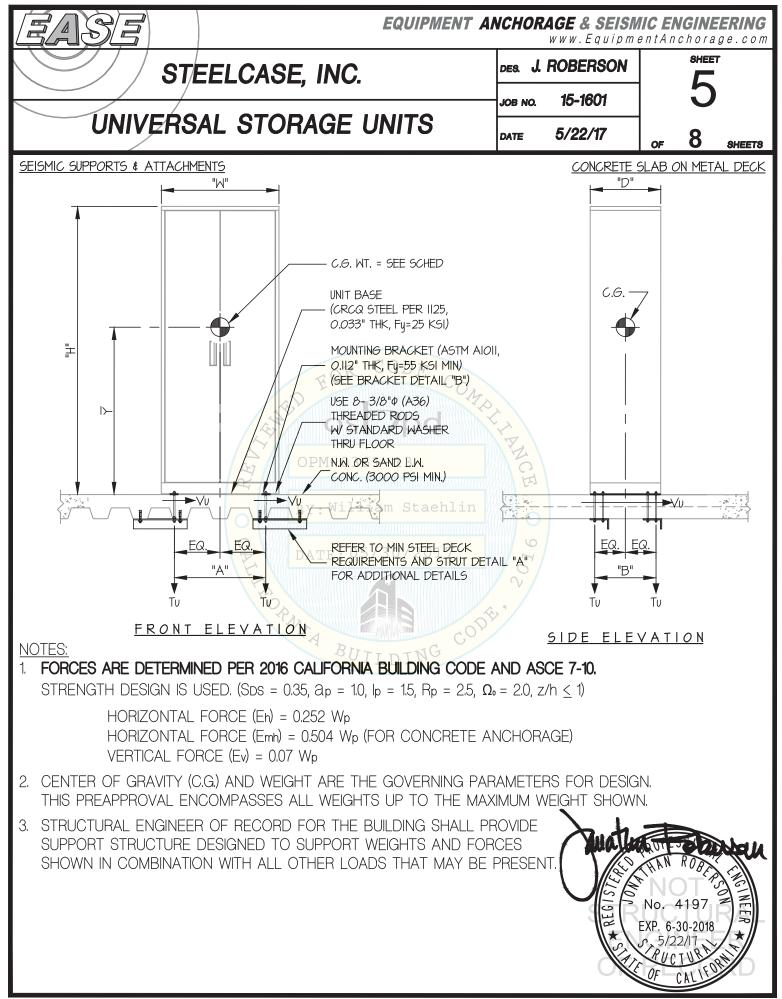
Registered Design Professional Preparing Engineering Recommendations								
Company Name: EASE Co.								
Name: Jonathan Roberson, S.E. Ca	lifornia License Number: <u>S4197</u>							
Mailing Address:5877 Pine Ave. Suite 210, Chino Hills, CA. 91	709							
Telephone: <u>909-606-7622</u> Email:	J.Roberson@EASECo.com							
OSHPD Special Seismic Certification Preapproval (OSP)								
 Special Seismic Certification is preapproved under OSP- (Separate application for OSP is required) Special Seismic Certification is not preapproved 								
Certification Method(s)	Co							
 Testing in accordance with: Other* (Please Specify): 	1 1950-16							
 *Use of criteria other than those adopted by the California Building supports and attachments are not permitted. For distribution system seismic bracings, test criteria other than those adopted in the CBS to testing. Analysis Experience Data Combination of Testing, Analysis, and/or Experience Data 	m, interior partition wall, and suspended ceiling C 2016 may be used when approved by OSHPD prior							
List of Attachments Supporting the Manufacturer's Cert	ification							
Test Report Drawings Calculations Manufacturer's Catalog Other(s) (Please Specify):								
OFFICE USE ONLY - OSHPD APPROVAL VALID FOR CBC 207	16 & ALL PRE-2016 CODE BASED PROJECTS							
Signature:	_ Date:05-30-2017							
"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							

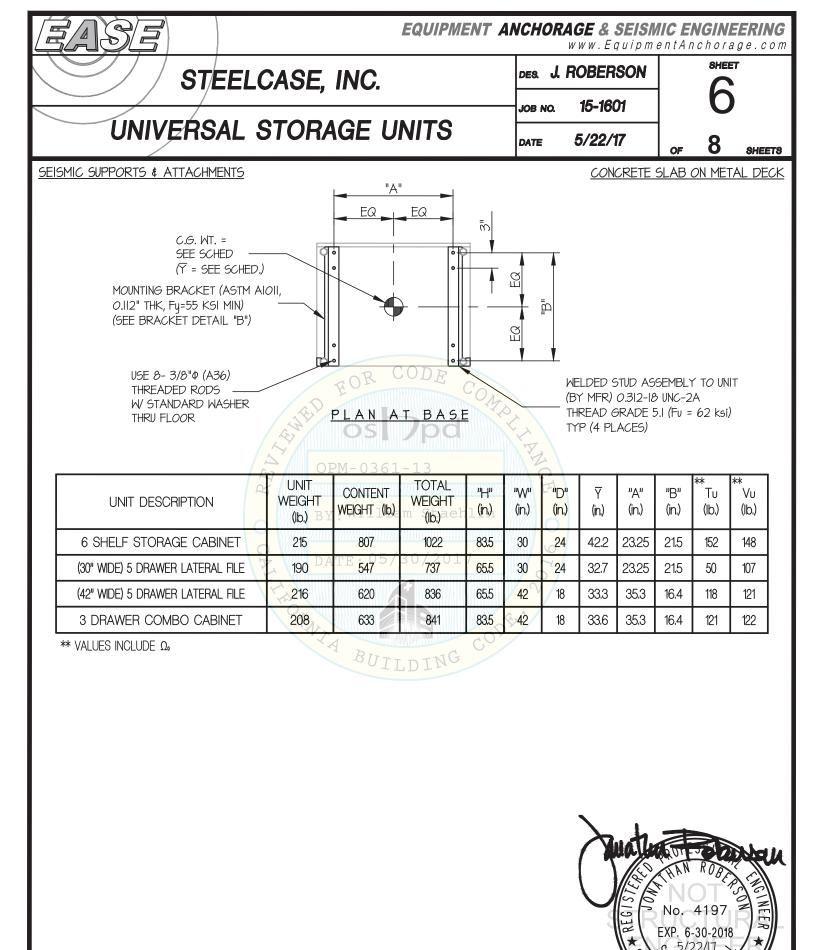
	EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING Office of Statewide Health Planning and Development PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0361-13 THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622					
MAN	IUFACTURER: STEELCASE, INC.	Sheet: <u>1 of 8</u>					
EQU	IPMENT NAME: UNIVERSAL STORAGE UNITS	Date: 5/22/17					
GEN	IERAL NOTES						
	THIS OSHPD PREAPPROVAL OF MANUFACTURER'S C <mark>ERTIFICATION (OPM)</mark> IS BASED ON THE 2016 CBC. THE D DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 CBC	EMANDS					
	THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LIST SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSEI						
	THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAT SEE DETAIL FOR APPLICABILITY	AN 0.75 & 0.35.					
4. F	4. FORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, WHERE SDS = 0.75, $a_p = 1.0$, $l_p = 1.5$, $R_p = 2.5$, $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0 WHERE SDS = 0.35, $a_p = 1.0$, $l_p = 1.5$, $R_p = 2.5$, $z/h < 1$ AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHEETS FOR Ω_0						
	THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUC						
-	ALL DESIGN FORCES SHOWN ON TH <mark>E DR</mark> AWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENG						
	CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING	`'					
9. /	 CONCRETE SLAB ON GRADE DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION AT OR BELOW GRADE. (i.e. z/h = 0) A MANUFACTURER PROVIDED PERMANENT PLAQUE MUST BE AFFIXED ON THE UNIT STATING THE FOLLOWING: "WEIGHT OF CONTENTS SHALL NOT EXCEED ### LB". '###' = CONTENT WEIGHT AS SHOWN IN TABLE ON SHEET 4 OF 8, MANUFACTURER TO COORDINATE. VERIFY IN FIELD BEFORE INSTALLATION. 						
10.	RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING						
-	 A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OR SUPPORT 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 SI PREAPPROVAL DOCUMENTS. 						
(C. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NO 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 AND THIS OPM.	HAN ROB					
E	E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).	No. 4197 EXP. 6-30-2018					
F	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.	OF CALLEON					

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com												
STEELCASE, INC.					DES.			01/257				
					јов	NO. 15-	1601	2				
UNIVERSAL STORAGE UNITS							DATE	= 5/22/17		OF 8 s	SHEETS	
		ANCHORS:										
,		CHMENT IS TO		ADE WITH THE AN CCREPORT.		TED BEL	JW AND	INSTALLED) AS DESCR	IBED		
	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 Tensior Test	n
	3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	6.75"	9"	See Detail "A"	25 FT-LB	N/A	
	3/8"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	3"	9"	4"	25 FT-LB	1204 lb	
B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 9" AWAY MINIMUM (i.e CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.												
	TESTIN INSPEC SUBMI	NG SHALL BE CTOR AND A I ITTED TO OSH	DONE IN REPORT HPD		OF THE SPE SULTS SHALL PM-036	CIAL L BE	d	d"			-9	
	DIF		ENSION T	URS HAVE ELAPSE		AST 50%	OF	n g	H			
	(ii) AC	CEPTANCE C	CRITERIA [,]					- +	9	[]	_ •	
• DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO 2017 OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE.							M	SP = E	BOLT SPACING			
TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE NUT									_]			
	()			TEST ALL ANCHOR								
[STEEL REINFORC		ICRETE S	LAB					
F	E. PROVI	DE FOR FULL	_ THREAD	D ENGAGEMENT O	F NUT & WA	SHER.						
12. BC	LTS THRC	UGH CONCR	ETE ON I	METAL DECK								
,	TIGHT REQUII	(THE SNUG-T RED TO BRIN	TIGHT CO	BY 3/4 TURN OF T DNDITION IS DEFIN ONNECTED PLIES NLESS OTHERWIS	NED AS THE ⁻ S INTO FIRM (TIGHTNES	SS		\geq	Anathe		hosta
E				ALL BE 1/16" LARGI /16) FOR CONCRE ⁻)LT SIZE			ł		HAN ROBERS	- Maria
(TESTIN TENSIO	NG (THROUGH ON DO NOT R	H BOLTS REQUIRE	RETE SHALL RECE WITH STEEL TO S TENSION TESTING -INSTALLED ANCH	STEEL CONN G) IN ACCOR	IECTION IN	N				No. 4197 EXP. 6-30-2018 C. 5/22/17 PUCIURA OF CALIFORM	INER *









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