

APPLICATION FOR OSHPD SPECIAL SEISMIC	AIC OFFICE USE ONLY				
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP - 0032 - 10			
OSHPD Special Seismic Certification Preapproval (OSP)					
Type: ☐ New ☒ Renewal					
Manufacturer Information					
Manufacturer: ASCO Power Technologies, LP					
Manufacturer's Technical Representative: Ronald Schroeder					
Mailing Address: 160 Park Avenue, Florham Park, NJ 07932					
Telephone: (973) 966-2508	d.schroeder@ascopowe	er.com			
Product Information	Mp,				
Product Name: Transfer Switches OSHPD	N. F.				
Product Type: Electrical Power Switch OSP-0032-10	A CA				
Product Model Number: See Attached Approved Product Listing	www.xxx				
(List all unique product identification numbers and/or part numbers)  General Description: Cabinets are powder-coated carbon steel or s		2D 2DV 12 or 4V rating			
(304 stainless steel used on select 3R bases). Units contain controlle					
accessories. Seismic enhancements made to the test units and modi					
observed during the tests shall be incorporated into the production u					
Mounting Description: Rigid floor mounted, Rigid wall mounted	Sk.				
PN/A Business	300				
Applicant Information					
Applicant Company Name: The VMC Group					
Contact Person: John Giuliano					
Mailing Address: 113 Main Street, Bloomingdale, NJ 07403					
Telephone: (973) 838-1780 Email: john.g	uliano@thevmcgroup.c	<u>com</u>			
I hereby agree to reimburse the Office of Statewide Health accordance with the California Administrative Code, 2016.	Planning and Devel	opment review fees in			
Signature of Applicant:	Date	e: <u>12/20/19</u>			
Title: President Company Name: The V	MC Group	UCHDD			
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"  STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY		OSHIP			

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OSH-FD-759 (REV 12/16/15)

# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: The VMC Group
Name: Mr. Ken Tarlow California License Number: SE2851
Mailing Address: 113 Main Street, Bloomingdale, NJ 07403
Telephone: (973) 838-1780 Email: Ken.Tarlow@thevmcgroup.com
Supports and Attachments Preapproval
Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
Supports and attachments are not preapproved     ■
Certification Method  EDFOR CODE COMP
<ul> <li>☐ Other (Please Specify):</li> </ul>
OSP-0032-10
Testing Laboratory BY:Timothy J Piland
Company Name: Dynamic Certification Laboratories, LLC/2020
Contact Name: Kelly Laplace, Quality Manager
Mailing Address: 1315 Greg Street, Suite 109, Sparks, NV 89431
Telephone: (775) 358-5085 Email: kelfy@shaketest.com
Testing Laboratory
Company Name: Wyle Laboratories
Contact Name: Don Smith
Mailing Address: 7800 Highway 20 West, P.O. Box 077777, Huntsville, Alabama 35807-7777
Telephone: (256) 837-4411 Email: don.smith@wyle.com





STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: ⊠ Yes ☐ No
Design Basis of Equipment or Components (F <sub>p</sub> /W <sub>p</sub> ) = 1.88
S <sub>DS</sub> (Design spectral response acceleration at short period, g) = 2.50
a <sub>p</sub> (In-structure equipment or component amplification factor) = <u>2.5</u>
R <sub>p</sub> (Equipment or component response modification factor) = 6.0
$\Omega_0$ (System overstrength factor) =2.0
I <sub>p</sub> (Importance factor) = 1.5
z/h (Height factor ratio) = 1
Equipment or Component Natural Frequencies (Hz) = See Attachments
Overall dimensions and weight (or range thereof) = See Attachments
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15:   Yes   No
Design Basis of Equipment or Components (V/W) =
S <sub>DS</sub> (Design spectral response acceleration at short period, g) =
S <sub>D1</sub> (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient) =
Ω <sub>0</sub> (System overstrength factor) = By:Timothy J Piland
C <sub>d</sub> (Deflection amplification factor) =
$I_p$ (Importance factor) = 1.5 DATE: 01/17/2020
Height to Center of Gravit <mark>y above</mark> base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
Tank(s) designed in accordance with ASME BPVC, 2015:   Yes No
List of Attachments Supporting Special Seismic Certification
☐ Test Report(s) ☐ Drawings ☐ Calculations ☐ Manufacturer's Catalog
Other(s) (Please Specify):
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025
1/1/00
Signature: Date: January 17, 2020
Print Name: Timothy J. Piland Title: SSE
Special Seismic Certification Valid Up to: $S_{DS}(g) = \underline{2.50}$ $z/h = \underline{1}$
Condition of Approval (if applicable):
<del>-</del>

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





Table 1.1 - Base Mounted Certified Components - 300 Models

Mounting Configuration - Rigid Base Mounted

				Enclos	ure	Switch	Max D	imensions [	n ]	Max Weight		
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating	Type	Width	Height	Depth	[ lbs ]	Mounting	UUT
						2-Pole						Extrapolated
н	600-1000	120-600V	Open / Delayed			3-Pole	30.0-34.0	72.0-77.0	20.0-31.0	525-720		Extrapolated
- "	000-1000	120-0007	Open / Delayeu			4-Pole						Extrapolated
					NEMA 1,	4-Pole	34.0	77.0	31.0	720		22a
					NEMA 3R,	2-Pole						Interpolated
Н	1200	120-600V	Open / Delayed	Carbon Steel /	NEMA 3RX,	3-Pole	38.0-41.0	87.0-95.5	23.0-33.5	972	Rigid Base	Interpolated
П	1200	120-6000	Open / Delayed	Stainless Steel	NEMA 4,	4-Pole					Rigiu base	Interpolated
					NEMA 12,	4-Pole	38.0	87.0	24.0	972		6
					NEMA 4X	2-Pole						Interpolated
G	1600-3000	120V-600V	Open / Delayed			3-Pole	38.0-41.0	87.0-94.5	23.0-74.5	3,110		Interpolated
G	1000-3000	1207-6007	Open / Delayed			4-Pole	CUDF					Interpolated
						4-Pole	41.0	94.5	74.5	3,110		12

1) Includes up to 62" wide pull box per test of UUT-24 and UUT-25



Table 1.2 - Base Mounted Certified Components- 4000 Models

Mounting Configuration - Rigid Base Mounted

				Enclos	ure	Switch	Max D	Dimensions [	in ]	May Waight								
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating	Type	Width	Height	Depth	Max Weight [ lbs ]	Mounting	UUT						
						2-Pole						Extrapolated						
D	30-230		Open			3-Pole	18.0	48.0	13.0	130		Extrapolated						
						4-Pole						Extrapolated						
						2-Pole						Extrapolated						
Е	260-400		Open	Open	Onen	Open	Open	Open	Open			3-Pole	24.0	56-63.0	14-18.8	227		Extrapolated
-	200-400		Open			4-Pole						Extrapolated						
						4-Pole	24.0	56.0	14.5	227		39a						
			Open / Delayed /			2-Pole						Interpolated						
J	150-600	120V-600V	Closed	' '	'			3-Pole					Interpolated					
			010300		NEMA 1,	4-Pole	28.0	69.0	22.0	375		Interpolated						
			Open / Delayed /		NEMA 3R,	2-Pole	JUDF	00.0	22.0			Interpolated						
K	150-600		Closed	Carbon Steel /	NEMA 3RX,		3-Pole	7 (	01			Rigid Base	Interpolated					
			Oloobu	Stainless Steel	NEMA 4,	4-Pole		140			- Tilgia Bass	Interpolated						
					NEMA 12,	2-Pole						Interpolated						
Н	600-1000		Open / Delayed /		NEMA 4X	3-Pole	34.0	72.0-77	20.0-31.5	480		Interpolated						
			Closed		$\sim$	4-Pole		VAMAMAMA	Y			Interpolated						
					1	4-Pole	34.0	72.0	20.0	480		26a						
			Open / Delayed /	14		2-Pole	0000 4		1.0.1			Interpolated						
Н	1200		Closed	9		3-Pole	38.0-41.0	87.0-95.5	23.0-33.5	972		Interpolated						
							/ 4		4-Pole		_ 10	MAA *	<b>\</b>		Interpolated			
		120V-600V				2-Pole		MMXXXXXMM				Interpolated						
G	1200-4000	Open / Delayed /		//////	3-Pole	38.0-60.0	87.0-95.5	23.0-74.0	3,110		Interpolated							
			Closed		By-	By: I4-Pole by Pland		Interpolated										
es:					XXXAAA	4-Pole	41.0	94.5	74.5	3,110		12						

## Table 1.3 - Base Mounted Certified Components - 7000 Models Mounting Configuration - Rigid Base Mounted

				Enclos	ure	Switch	Max D	Dimensions [	in]	May Waight		
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating	Type	Width	Height	Depth	Max Weight [ lbs ]	Mounting	UUT
						2-Pole			. /			Extrapolated
D	30-230		Open Transition		100	3-Pole	18.0	48.0	13.0	130		Extrapolated
					PA	4-Pole		-0V				Extrapolated
					1/1	2-Pole	10					Extrapolated
E	260-400		Open Transition			3-Pole	24.0	63.0	18.8	295		Extrapolated
						4-Pole	ILDI					Extrapolated
						2-Pole						Extrapolated
J	150-600		Open / Delayed /			3-Pole	28.0	69.0	22.0	375		Extrapolated
3	130-000	120V-600V	Closed			4-Pole						Extrapolated
					NEMA 1,	4-Pole	28.0	69.0	22.0	375		23a
			Open / Delayed /		NEMA 3R,	2-Pole						Interpolated
K	150-600		Closed	Carbon Steel /	NEMA 3RX,	3-Pole	28.0	69.0	22.0	375	Rigid Base	Interpolated
			Ciosea	Stainless Steel	NEMA 4,	4-Pole					Nigiu base	Interpolated
					NEMA 12,	2-Pole						Interpolated
H, P	600-1000		Open / Delayed /		NEMA 4X	3-Pole	34.0	75.0	31.5	850		Interpolated
11, 1	000-1000		Closed			4-Pole						Interpolated
						4-Pole	34.0	75.0	31.5	540		38a
			Open / Delayed /			2-Pole						Interpolated
H, P	1200		Closed			3-Pole	38.0-41.0	87.0-95.5	23.0-33.5	972		Interpolated
			010300			4-Pole						Interpolated
		120V-600V				2-Pole						Interpolated
G, Q, S, U	1200-4000		Open / Delayed /			3-Pole	38.0-41.0	87.0-95.5	23.0-94.0	3110-3370		Interpolated
C, Q, O, O	1200 4000		Closed			4-Pole						Interpolated
Notes: ()1/			per test of LILIT-24			4-Pole	41.0 2-0032-10	95.5	74.0	3,370		16

Notes: 01/1)/Includes up to 62" wide pull box per test of UUT-24 and UUT-25

OSP-0032-10

Table 1.4 - Base Mounted Certified Components - 300, 4000, 7000 Models, Service Entrance

Mounting Configuration - Rigid Base Mounted

				Enclos	ure	Oudted	Max D	imensions [	in ]	Maria Maladad						
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating	Switch Type	Width	Height	Depth	Max Weight [ lbs ]	Mounting	UUT				
						2-Pole						Extrapolated				
Е	260-400		Open / Service			3-Pole	36.0-42.0	48.3-54.5	13.3-19.5	420-570		Extrapolated				
-	200-400		Entrance			4-Pole						Extrapolated				
						4-Pole	42.0	54.5	19.5	570		28a				
			Open / Delayed /			2-Pole						Interpolated				
J	150-600		Service Entrance			3-Pole						Interpolated				
			Service Entrance	Service Entrance			4-Pole	36.25-42.0	54.0-95.5	18.5-33.0	1,230		Interpolated			
			Open / Delayed /			2-Pole	30.23-42.0	34.0-93.3	16.5-33.0	1,230		Interpolated				
K	150-600	120V-600V	Service Entrance			3-Pole					Rigid Base	Interpolated				
			Service Entrance			4-Pole						Interpolated				
	600-1000,		Open / Deleved /			2-Pole	JUDE					Interpolated				
Н	1200		Open / Delayed / Service Entrance			3-Pole	38.0-41.0	91.0-96.0	28.0-62.0	1,980		Interpolated				
	1200		Service Entrance			4-Pole		MA				Interpolated				
						2-Pole						Interpolated				
G	1200-4000		Open / Delayed /	/	1,11	3-Pole	38.0-41.0	91.0-95.4	28.0-74.0	3,240		Interpolated				
G	1200-4000		Service Entrance						/ < / . / . / /	4-Pole	MPI		7			Interpolated
						4-Pole	41.0	95.4	74.0	3,240		15				

Notes:

1) Includes up to 62" wide pull box per test of UUT-24 and UUT-25

## Table 1.5 - Base Mounted Certified Components -7000 Models, Bypass 32-10

Mounting Configuration - Rigid Base Mounted

				Enclos	ure	Switch	Max D	imensions [	in ]	May Waight		
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating	I I I O O O T I	1 y width Pi	a Height	Depth	Max Weight [ lbs ]	Mounting	UUT
					440000000000000000000000000000000000000	2-Pole			MMM			Extrapolated
J	150-600		Open / Delayed /	\ \	44488	3-Pole	34.0-45.5	85.0-97.5	28.0-29.0	1,726		Extrapolated
J	150-600		Closed	\ '	DAT	4-Pole	17/202	$\cap$		/		Extrapolated
				\		4-Pole	45.5	97.5	29.0	1,726		10
			Open / Delayed /	\ (		2-Pole			/ 0 /			Interpolated
K	150-600		Closed	7	NEMA 1,	3-Pole	34.0-49.12	85.0-96.0	28.0-36.65	1,724		Interpolated
			Olosea	\ '	NEMA 3R,	4-Pole			0.			Interpolated
			Open / Delayed /	Carbon Steel /	NEMA 3RX,	2-Pole			. /			Interpolated
H, P	600-1000	120V-600V	Closed	Stainless Steel	NEMA 4,	3-Pole	38.0-41.1	91.0-96.0	32.0-34.0	1,675	Rigid Base	Interpolated
			0,0000	Clairii Coo Cloor	NEMA 12,	4-Pole		-0V				Interpolated
	600-1000.		Open / Delayed /		NEMA 4X	2-Pole						Interpolated
H, P	1200		Closed			3-Pole	38.0-57.0	91.0-96.1	62.0	2,180		Interpolated
	1200		Olobba			4-Pole						Interpolated
						2-Pole						Interpolated
G, Q, S, U	1200-4000		Open / Delayed /			3-Pole	60.0-63.0	91.0-99.6	91.0-114.8	7,520		Interpolated
٥, ७, ٥, ٥	1200 4000		Closed			4-Pole						Interpolated
Natas			man to at at III IT OA			4-Pole	63.0	99.6	114.8	7,520		5

Notes:

1) Includes up to 62" wide pull box per test of UUT-24 and UUT-25

Table 1.6 - Base Mounted Certified Components - 7000 Models, Service Entrance Bypass

Mounting Configuration - Rigid Base Mounted

				Enclos	ure	Switch	Max D	Dimensions [	in ]	May Mainh																
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating		Width	Height	Depth	Max Weight [ lbs ]	Mounting	UUT														
			Open / Delayed /			2-Pole						Extrapolated														
100	150-600		Closed / Service Entrance			3-Pole	34.0-45.5	85.0-97.5 28.0-	28.0-29	1,726		Extrapolated														
J	150-600										4-Pole						Extrapolated									
			Littance				4-Pole	45.5	97.5	29.0	1,726		10													
			Open / Delayed / Closed / Service Entrance Open / Delayed /	Closed / Service Entrance	Closed / Service Entrance	Closed / Service Entrance		NEMA 1,	, 3-Pole 34.0-57.13 85.0-96.1 28				Interpolated													
K	150-600							NEMA 3R,		34.0-57.13	85.0-96.1	28.0-35.89	1,726		Interpolated											
		120V-600V											Entrance	Entrance	Entrance	Entrance	Entrance	Carbon Steel /	NEMA 3RX,	4-Pole					Rigid Base	Interpolated
	600-1000,	1200-0000											Stainless Steel	NEMA 4,	2-Pole					Nigiu base	Interpolated					
H, P	1200		Closed / Service		NEMA 12, NEMA 4X	3-Pole	38.0-57.0	91.0-96.1	62.0	2,335		Interpolated														
	1200		Entrance			4-Pole	-					Interpolated														
								7	7			0	0.					2-Pole	JUDF					Interpolated		
G, Q, S, U 1200-4000		Open / Delayed /			3-Pole	60.0-63.0	91.0-99.6	91.0-114.8	7,520		Interpolated															
		Closed / Service		/ <sub>2</sub> ,0	100	4-Pole		MA				Interpolated														
		Entrance				4-Pole	63.0	99.6	114.8	7,520		5														

Notes:

1) Includes up to 62" wide pull box per test of UUT-24 and UUT-25



Table 1.7 - Base Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Mechanisms

			Mechanism																																
Amps	Volts	Poles	Transition Type	MFR	Frame	Part Number	Switch Type	Mounting	UUT																										
260-400A			Open	ASCO	E	736004	TS		18b																										
			Open, Closed, Delayed	ASCO	G	607103	TS		4																										
			Open, Closed, Delayed	ASCO	G	605795	TS		4																										
							ASCO	G	824474			3, 5																							
1000-4000A							ASCO	G	605993			15																							
1000-4000A							Open, Closed, Delayed	ASCO	G	607102	BS		15																						
			Open, Closed, Delayed	ASCO	G	607041	ВЗ		4, 12																										
				ASCO	G	828745			3, 5																										
				ASCO	G	605981			4, 12																										
	115-600V	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	Open, Closed, Delayed	ASCO	H&P	627386	TS	Rigid Base	6, 11, 22a														
600-1200A			Open, Closed, Delayed	ASCO	H&P	729318	BS		24																										
		_	_	_	-	-	-	-	-	-	-	-	-	-	-	_	-	-	_	_	_			L	_	L	L		Open, Closed, Delayed	ASCO	H&P	730061	ВЗ		24
																						Open, Closed, Delayed	ASCO	L O'	773110	TS		7, 8, 26a, 28a, 39a							
150-600A			Open, Closed, Delayed	ASCO	J	800814	170.		10																										
			Open, Closed, Delayed	ASCO	J	804205			10																										
600-1600A			/	ASCO	Q	985155	BS	7	15																										
800-2000A			Open Clased Delayed	ASCO	S	891144	D3	11	16																										
2600 40004			Open, Closed, Delayed	ASCO	U	912437			17																										
2600-4000A				ASCO		914647		1631	17																										

Notes: 1) TS = Transfer Switch, BS = Bypass Switch



USP-003Z-10

Table 1.8 - Base Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Enclosures

		Enclos	sure Options						
Type	Material	N	lax Dimensions [ ii	n]	MFR	Mounting	UUT		
Туре	Waterial	Depth	Width	Height	WIFK				
NEMA 4X	Stainless Steel	31.0	34.0	77.0			<b>36</b> a		
NEMA 1		96.0	60.0	91.0			3, 6, 7, 16, 18b, 24, 26a		
NEMA 3R (Secure)		115.0	63.0	100.0			4, 8, 10, 38a, 39a		
NEMA 3R (Non- Secure)	Carbon Steel	74.0	41.0	96.0	ASCO	Rigid Base	15, 16, 17		
NEMA 4	] [	74.0	41.0	96.0			4, 8, 10, 38a, 39a		
NEMA 12		74.0	41.0	96.0			4, 8, 10, 38a, 39a		
NEMA 3R	Carbon Steel w/ Stainless Steel Legs	115.0	63.0	100.0		FOR	ODE COS		
NEMA 4X	Stainless Steel	62.0	44.0	97.0	MED		11, 12, 13b, 14b, 19, 22a, 23a, 28a, 36a		

Notes: 1) Above enclosures are approved for ganged configurations based on the testing of UUT-24 and UUT-25

Table 1.9 - Base Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Controllers

	Controller		OSPMounting32-1	O UUT
Part Number	Transition Type	MFR		(1. 001
798923		/ /////////////////////////////////////		6
601800-002		ASCO		3, 4, 5, 7, 8, 10, 11, 12, 15, 16, 17, 18b, 19
733275-B	Onen Cleand Delayed	ASCO	Rigid Base Pi	and 5
894000-002	Open, Closed, Delayed		Rigid Base	13b, 14b
629140-008		Draginian Crambias Inc		5
629140-009		Precision Graphics, Inc.	LE 04/47/202	Same <sup>1</sup>

Notes: 1) Identical to controller tested in UUT 5, only difference is software.

Table 1.10 - Base Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Breakers

	Breakers	3		Mounting	νυτ
Amps	Model Number	Poles	MFR	wounting	301
15-100A	724801-xxx			1	Extrapolated
250A	724801-010			00	4.14.14
600A	724801-xxx			. 1/	Interpolated
800A	724801-xxx				Interpolated
1200A	724801-xxx			Interpolated	
1600A	724801-xxx	2.2.4	Saucro D	Rigid Base	Interpolated
2000A	724801-xxx	2, 3, 4	Square D	Rigid base	Interpolated
2000A	762450-000				4
2500A	724801-xxx				Interpolated
3000A	724801-xxx				Interpolated
4000A	724801-xxx				Interpolated
4000A	758952-001				5

Table 1.11 - Base Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Accessories

Accessory	Туре	Part No.	MFR	Mounting	UUT
		609570	American Solenoid /		10, 12, 22a, 38a
		609950	Benedikt & Jager		11, 19
		706978			11, 19, 26a
		706991	Course D / Tologo continue		11, 19, 39a
Switches	Selector Switches	706992	Square D / Telemecanique		38a
		707010			22a, 26a
		611246 IDEC			22a, 24, 26a, 38a
		299552	Electroswitch / Shallco		16
		706996	Square D / Telemecanique		22a, 24
	Plug-in Relay Assembly	619014	ASCO		12, 16, 22a
	LCR Relay	401612	Telemecanique		12, 16
	1,000,01	407000	Deltrol Controls/ Siemens		40.00.00
Relays	LDCR Relay	197660	Electromechanical Comp.		16, 22a, 38a
·	Lockout Relay	441070-001	Shallco / Electroswitch		26a
	Reverse Pwr Relay	459020-010	Basler	04	24
	Protective Relay	451227	General Electric	MA	26a
Test Block	Test Block	451226	General Electric	.~/	26a
	Control Transformers	22-002,383925	ASCO		16, 23a, 38a
Transformers	Current Transformers	711951	General Electric / ITI	The state of the s	22a
	DC-DC Converters	423016	VICOR	1/2	ZZa
Power Supply	AC/DC Power Supply	621859	ABB		23a, 26a
	Bridge Diode Rectifiers	423192	ABB-IXYS Z =	()     m	
Diodes	Bridge Diode Rectifiers	629570	ABB-IXYS	))///A '	16, 23a, 24
	Diode Board Assembly	297865	ASCO	MANAGEMENT OF THE TAXABLE PROPERTY OF TAXABLE	
Control Line Fuses	Fuse Blocks	199832 -	Eaton	Rigid Base	16, 23a, 22a, 24
Control Line Fuses	Fuse	2039 <b>87</b> BY:	Bussman	and	22a, 24, 26a, 38a
		O BIWWW			3, 4, 5, 6, 7, 8, 10, 11, 1
Indicating Lights	LED Indicating Lights	<b>7</b> 07016, 7 <b>1675</b> 0	Square D / Telemecanique		13b, 14b, 15, 16, 17, 18
		\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	04/47/000		19
	Input for Ext Control Pwr Source	297865 DA	E:01/17/202	U	22a
	Ext Control Pwr Source	903401	THE RESIDENCE OF THE PERSON OF		13b, 14b
	Ext Control Pwr Source	<b>6</b> 21859	+		22a, 23a
	Engine Exerciser, Event Log	937842			13b, 14b
	Touch Display Interface(TDI)	988000-001	ASCO	/, 'V /	23a
	Serial Comm Module	629750	ASCO		16
	Ethernet Comm Module	629800			11, 16
	Grp G Quad Ethernet Comm Module	987100-004, 006		CO	13b, 14b
	Grp 5 Quad Ethernet Comm Module	987100-204	A BUIL DING		23a
Electrical Controllers	PC Board	750453	JOILDII.		11
Electrical Controllers	Moxa E1212 I/O Module	E1212	Moxa		23a, 24
	Moxa IMC-21-M-ST Ethernet to Fiber	IMC21MST	Moxa		28a
	Converter	IIWOZ TWO T	WOXA		20a
	Moxa EDS-308-MM-ST-T Ethernet	EDS-308-MM-ST-T	Moxa		22a
	Switch	ED3-308-WIW-31-1	Woxa		22a
	CPMS	1193630	ASCO		38a
	Zelio PLC	834087	Cunny & Guerber		39a
	Alarm Module	219527-001	Mid-Coast Electric		22a
	Soft Load Controller	629140	ASCO		5
	Sequential Controller	A345173	ASCO		22a

Table 1.12 - Base Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Accessories Continued

Accessory	Туре	Part No.	MFR	Mounting	UUT
	Metering Card	894020			13b
	Power Meter	627115	ASCO		11, 16
Meters	Power Meter	798920-001	ASCO		14b, 19, 24, 38a
weters	PQ Meter	932588			22a
	Power Logics PQ Meter	785544-003 / 785544-004	Square D / Schneider	1	23a, 26a
	Cutler Hammer PQ Meter	804996	Cutler Hammer		26a
Strip Heater	Strip Heater & Thermostat	832401-001	ASCO		12, 13b, 16
Timers	Time Cube	733494	Releco		26a
Timers	Time Delay Module	387227, 401355	Omron	1	22a, 28a
Voltage Surge Arrestor	TVSS	387200-931	ASCO	1	14b, 28a
Protective ANSI Relays	Reverse Pwr Relay	625986-020	Basler	1	24
IR Window	IR Window	FLK-075-CLKT	Fluke	1	38a
SPD	73D Surge Protective Device	TE04XRS30X	ASCO	Digid Dogg	25
S	Single Pole Separable Connectors	HBLMRBO	Hubble C	Rigid Base	25
Separable Connectors <sup>1</sup>	400A - 5000A	HBLINIKBO	PO - Hubble	012	25
	Section Bus	600A - 6000A	ASCO	190.	25
Bus <sup>2</sup>	Branch Bus	600A - 6000A	ASCO		25
	Main Bus	600A - 6000A	ASCO		25
Tie Links	Tie-Links	600A - 6000A	ASCO		25
Fuses	Class J 200A	JKS-200	Bussman		25
ruses	Class L 5000A	A4BQ5000	Mersen/Ferraz		25
Panelboard	I-Line Panelboard	CF20R63C	Square DOZ=	ויח	25
Panelboard Breakers	15A Breaker	HGA36015	Square D	MININ THE PROPERTY OF THE PARTY	25
Paneiboard Breakers	1200A Breaker	PJA36120U31A	Square D	manner (MANA)	25
ERMS	119M Energy Reduction Maintenance Switch	9001K11J35LLL BY:	Fim Square DJ Pil	and	25

Notes:

<sup>2)</sup> Bus sections were tested in a 600A and 6000A configuration and are limited to 62" length and 6" width vertically and 62" length and 5" width horizontally.



<sup>1)</sup> Each 400A is one (1) Separable connector and the 5000A is (13) thirteen single separable connectors, both configurations were tested.

**Table 2.1 - Wall Mounted Certified Components - 185 Models (Including Service Entrance)** 

Mounting Configuration - Rigid Wall Mounted

				Enclosure		Switch	Max D	imensions [	in ]	May Wainht		
Frame		Transition Type	Material	NEMA Rating	Туре	Width	Height	Depth	Max Weight [lbs]	Mounting	UUT	
D	30-230					2-Pole	16.4	16.4	12.0	43		20a, 20b
D	30-230					2-Pole	16.4-36.0	16.4-36	7.5-12.0	60		Interpolated
J	260-400	120V-600V	Open / Service	Carbon Steel	NEMA 1,	2-Pole	16.4-22.5	16.4-45	7.5-12.0	60-136	Rigid Wall	Interpolated
K	260-400	1207-6007	Entrance	Carbon Steel	NEMA 3R	2-Pole	10.4-22.5	10.4-43	7.5-12.0	60-136	Kigiu wali	Interpolated
Е	260-400		21111411100			2-Pole	16.4-22.5	16.4-22.5	7.5-12.0	136		Interpolated
Е	260-400					2-Pole	22.5	45.0	7.5	136		2

## Table 2.2 - Wall Mounted Certified Components - 300 Models Mounting Configuration - Rigid Wall Mounted

				Enclosi	ure	JAR (	Max D	imensions [	in ]	May Wainht		
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating	Switch Type	Width	Height	Depth	Max Weight [lbs]	Mounting	UUT
					N	2-Pole						Extrapolated
D	30-230		Open		47	3-Pole	12.0-36.0	16.4-48.0	6.0-16.0	130-341		Extrapolated
D	30-230		Open	/ •	$\sim$	4-Pole			1			Extrapolated
				17.	2	4-Pole	36.0	48.0	16.0	341		27
				/ 4	/ /	2-Pole	0000 4		100			Interpolated
E	260-400		Open	14	NEMA 1	3-Pole	24.0 -	56-63.0	14-18.8	295		Interpolated
					NEMA 1, NEMA 3R,	4-Pole		М.	/// <b>/</b>			Interpolated
				Carbon Steel /	NEMA 3RX,	2-Pole	MANAYA MA	MANAYAYAY	WWW.			Interpolated
J	150-600	120V-600V	Open / Delayed	Stainless Steel	NEMA 4.	3-Pole	by I Dil	and W	MANA		Rigid Wall	Interpolated
				Clair ii Coo Cloor	NEMA 12,	4-Pole	28.0	69.00	22.0	375		Interpolated
					NEMA 4X	2-Pole	20.0	09.00	22.0	3/3		Interpolated
K	150-600		Open / Delayed		WWW Summer	3-Pole			111111			Interpolated
					DA-	4-Pole /	17/202					Interpolated
					DA	2-Pole	177202	0				Interpolated
Н	600-1000		Open / Delayed			3-Pole	30.0-34.0	72.0-77.0	20.0-31.0	525-720		Interpolated
.,	000 1000		Open/ Delayed	a \ \ \		4-Pole						Interpolated
					//	4-Pole	34.0	77.0	31.0	720		22b

Table 2.3 - Wall Mounted Certified Components - 4000 Models Mounting Configuration - Rigid Wall Mounted

				Enclos	ure	Curitale	Max D	imensions [	in ]	May Wainba		
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating	Switch Type	Width	Height	Depth	Max Weight [ lbs ]	Mounting	UUT
						2-Pole						Extrapolated
D	30-230		Open			3-Pole	18.0	48.0	13.0	130		Extrapolated
						4-Pole						Extrapolated
						2-Pole						Extrapolated
Е	260-400		Open			3-Pole	24.0	56-63.0	14-18.8	227		Extrapolated
	200-400		Open		NIENAA 4	4-Pole						Extrapolated
					NEMA 1, NEMA 3R,	4-Pole	24.0	56.0	14.5	227		39b
			Open / Delayed /	Carbon Steel /	NEMA 3RX,	2-Pole						Interpolated
J	150-600	120V-600V	Closed	Stainless Steel	NEMA 4,	3-Pole					Rigid Wall	Interpolated
			Closed	Otali liess Oteel	NEMA 12,	4-Pole	28.0	69.0	22.0	375		Interpolated
			Open / Delayed /		NEMA 4X	2-Pole	1086	09.0	22.0	373		Interpolated
K	150-600		Closed		TIEND, D	3-Pole	INTERNATION OF THE PARTY OF THE	MA				Interpolated
			Closed		160	4-Pole						Interpolated
					'N'	2-Pole						Interpolated
н	600-1000		Open / Delayed /		471	3-Pole	34.0	72.0-77	20.0-31.5	480		Interpolated
- 11	000-1000		Closed			4-Pole			11			Interpolated
				1.	-	4-Pole	34.0	72.0	20.0	480		26b

Table 2.4 - Wall Mounted Certified Components - 7000 Models

Mounting Configuration - Rigid Wall Mounted

				Enclos	ure –	Ciondusta #1	Max D	imensions [	in ]	May Walashi		
Frame	Amps	Voltage	Transition Type	Material	NEMA Rating	Switch Type	Width	Height	Depth	Max Weight [lbs]	Mounting	UUT
					KYAKKIXX	2-Pole						Extrapolated
D	30-230		Open Transition		DΔ	3-Pole	17/18/02	48.0	13.0	130		Extrapolated
					DA	4-Pole	177202					Extrapolated
				\		2-Pole	W-71111111111		/ 0 /			Extrapolated
E	260-400		Open Transition	1	7	3-Pole	24.0	63.0	18.8	295		Extrapolated
					NEMA 1	4-Pole						Extrapolated
					NEMA 1, NEMA 3R,	2-Pole			. /			Extrapolated
J	150-600		Open / Delayed /	Carbon Steel /	NEMA 3RX,	3-Pole	28.0	69.0	22.0	375		Extrapolated
J	130-000	120V-600V	Closed	Stainless Steel	NEMA 4,	4-Pole		~OV			Rigid Wall	Extrapolated
				Otaliliess Oteci	NEMA 12,	4-Pole	28.0	69.0	22.0	375		23b
			Open / Delayed /		NEMA 4X	2-Pole	II DIM					Interpolated
K	150-600		Closed		112.11.11	3-Pole	28.0	69.0	22.0	375		Interpolated
			Olosea			4-Pole						Interpolated
						2-Pole						Interpolated
H, P	600-1000		Open / Delayed /			3-Pole	34.0	75.0	31.5	850		Interpolated
1 1, 1	000 1000		Closed			4-Pole						Interpolated
						4-Pole	34.0	75.0	31.5	540		38b

Table 2.5 - Wall Mounted Certified Components - 300, 4000, 7000 Models, Service Entrance

Mounting Configuration - Rigid Wall Mounted

				Enclos	ure	Switch	Max D	Dimensions [ i	n ]	May Walashi			
Frame	Frame Amps Voltag	Voltage	Transition Type	Material	NEMA Rating	Type	Width	Height	Depth	Max Weight [ lbs ]	Mounting	UUT	
						2-Pole						Extrapolated	
0	20, 220	Open / Se	Open / Service		NEI	NEMA 1,	3-Pole	36.0	48.25-49.25	13.25-16.0	341		Extrapolated
D	D 30-230	Entrance		NEMA 3R,	4-Pole						Extrapolated		
		120V-600V		Carbon Steel /	NEMA 3RX,	4-Pole	36.0	48.0	16.0	341	Rigid Wall	27	
		1207-6007		Stainless Steel	NEMA 4,	2-Pole					Rigid Wall	Interpolated	
Е	260-400		Open / Service		NEMA 12,	3-Pole	36.0-42.0	48.3-54.5	13.3-19.5	420-570		Interpolated	
	200-400		Entrance		NEMA 4X	4-Pole						Interpolated	
						4-Pole	42.0	54.5	19.5	570		28b	



Table 2.6 - Wall Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Mechanisms

			Mechanism					Mounting		
Amps	Volts	Poles	Transition Type	MFR	Frame	Part Number	Switch Type		UUT	
30-230A	115-600V	2, 3, 4		ASCO	D	720935			1, 20a, 20b, 27	
30-230A	115-600V	2, 3, 5	Open	ASCO	D	720936	TS	Rigid Wall	34	
260-400A	115-600V	2, 3, 6		ASCO	E	736004			2, 18a	
150-600A	115-600V	2, 3, 18	Open, Closed, Delayed	ASCO	J	773110			9, 26b, 28b, 39b	

Notes: 1) TS = Transfer Switch, BS = Bypass Switch

Table 2.7 - Wall Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Enclosures

		Enclos	sure Options				
Туре	Material	M	1]	MFR	Mounting	UUT	
Type	Wateriai	Depth	Width	Height	WIFK	20	200
NEMA 1		13.0	23.0	48.0		COKI	1, 2, 20a, 20b, 26b, 34
NEMA 3R	Carbon Steel	22.0	36.0	67.3	ASCO	Rigid Wall	9, 18a, 27, 38b, 39b
NEMA 4	Carbon Steer	22.0	24.0	67.3			9, 18a, 27, 38b, 39b
NEMA 12		22.0	24.0	67.3	ASCO		9, 18a, 27, 38b, 39b
NEMA 4X	Stainless Steel	31.0	34.0	77.0	W	OS	13a, 14a, 23b, 28b, 22b

Table 2.8 - Wall Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Controllers

	Controller	/ Allillimm	Mounting	UUT
Part Number	Transition Type	MFR	Mounting	001
493540		BY.	Limothy J Pila	and 1
767113-001-A	Open, Closed, Delayed	ASCO	Rigid Wall	2
601800-002	Open, Closed, Delayed	ASCO	Rigid Wali	9, <mark>18a</mark>
894000-002			- 04/47/000	13a, 14a <mark>, 20a, 20b</mark>

Table 2.9 - Wall Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Accessories

Accessory	Туре	Part No.	MFR	Mounting	UUT
	Selector Switches	609570	American Solenoid / Benedikt & Jager		22b, 38b
	Selector Switches	706978			26b
Switches	Selector Switches	706991	Square D / Telemecanique		39b
Switches	Selector Switches	706992	Square D7 relemedanique		38b
	Selector Switches	707010			22b, 26b
	Selector Switches	611246	IDEC		22b, 26b, 38b
	Selector Switches	706996	Square D / Telemecanique		22b
	Plug-in Relay Assembly	619014	ASCO		22b
Relays	LDCR Relay	197660	Deltrol Controls/ Siemens Electromechanical Comp.		22b, 38b
	Lockout Relay	441070-001	Shallco / Electroswitch		26b
	Protective Relay	451227	General Electric		26b
Test Block	Test Block	451226	General Electric		26b
	Control Transformers	22-002,383925	ASCO	01.	23b, 38b
Transformers	Current Transformers	711951	General Electric / ITI	140	22b
Transformers	DC-DC Converters	423016	VICOR		
	DC-DC Converters	1124299	Allied Electric		32
Power Supply	AC/DC Power Supply	621859	ABB		23b, 26b
1 Ower Supply	AC/DC Power Supply	621859	Thomas & Betts	1/2	32
	Bridge Diode Rectifiers	423192	_ABB-IXYS		
Diodes	Bridge Diode Rectifiers	629570	ABB-IXYS Z=	U	23b
	Diode Board Assembly	297865	ASCO		
Control Line Fuses	Fuse Blocks	199832	Eaton	EGAPTITION AND AND AND AND AND AND AND AND AND AN	23b, 22b
Control Line i uses	Fuse	203987	Bussman	Rigid Wall	22b, 26b, 38b
Indicating Lights	LED Indicating Lights	707016, 716750	Square D / Telemecanique	and	1, 2, 9, 13a, 13ai, 14a, 18 20a, 20b
	LED Indicating Lights	XB6AV5BB	Schneider-Electric		32
	Input for Ext Control Pwr Source	297865 DA	E: 01/17/202	U /	22b
	Ext Control Pwr Source	903401			13a, 14a
	Ext Control Pwr Source	621859	1		23b, 22b
	Engine Exerciser, Event Log	937842		/_0_/	13a, 14a
	Accessory 18MS(Special Acc)	1064901	1000	/ V	20a, 20b
	Accessory 29MS(Special Acc)	1084901	ASCO		20a, 20b
	Touch Display Interface(TDI)	988000-001	Mark Ram		23b
	Grp G Quad Ethernet Comm Module	987100-004, 006		CO	13a, 14a
	Grp 5 Quad Ethernet Comm Module	987100-204	A BUILDING		23b
Electrical Controllers	Group 1 Retrofit Kit	955717	JOILDIN		27
Electrical Controllers	Moxa E1212 I/O Module	E1212	Moxa		23b
	Moxa IMC-21-M-ST Ethernet to Fiber Converter	IMC21MST	Моха		28b
	Moxa EDS-308-MM-ST-T Ethernet Switch	EDS-308-MM-ST-T	Moxa		22b
	CPMS	1193630	ASCO		38b
	Zelio PLC	834087	Cunny & Guerber		39b
	Alarm Module	219527-001	Mid-Coast Electric		22b
	Alarm Module	SC628	Mallory		32
	Sequential Controller	A345173	ASCO		22b

Table 2.10 - Wall Mounted Certified Subcomponents - 185, 300, 4000, 7000 Models, Certified Accessories Continued

Accessory	Туре	Part No.	MFR	Mounting	UUT
	Metering Card	894020			13a
	Power Meter	798920-001	ASCO		14a, 38b
Meters	PQ Meter	932588			22b
	Power Logics PQ Meter	785544-003 / 785544-004	Square D / Schneider		23b, 26b
	Cutler Hammer PQ Meter	804996	Cutler Hammer		26
Strip Heater	Strip Heater & Thermostat	832401-001	ASCO		13a
Timers	Time Cube	733494	733494 Releco		26b
Timers	Time Delay Module	387227, 401355	Omron		22b, 28b
Voltage Surge Arrestor	TVSS	387200-931	ASCO		14a, 28b
Frame Monitor	Embedded Frame Monitor	1123226	Advantech		32
Circuit Breaker	Circuit Breaker	CC-4101	Thomas & Betts		32
Handle Assembly	Manual Operating Handle Assembly	711649	ASCO		34
IR Window	IR Window	FLK-075-CLKT	Fluke		38b

Table 2.11 - Wall Mounted Certified Subcomponents - ATS Communication Products

Model Manufacture	Manufacturar	cturer Description -		Enclosure	Max Dimensions (in)			Max Weight	Mounting	UUT		
	Manufacturer			Material Type	NEMA Rating	Depth	W	dth	Height	(lbs)	Wounting	001
5310		Single Remote Channel Annunciator	X	Plastic	N/A	3.9	<b>V</b> 4	.7	4.5	2		13ai
5350	ASCO	(8) Channel Remote Annunciator	7	Plastic	N/A	8.8	6	.5	2.5	2	Rigid Wall	Interpolated
5705		(8) Device Remote Annunciator	1	Carbon Steel	1/3R/4/12	9.0	2	0.0	20.0	54		32

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**UUT-01** 

57674R10-2; UUT 2

Model Line	Model Number	Manufacturer
Series 185	D00300C30230N10C	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

## **Options / Subcomponent Summary**

Transfer Switch: ASCO; Enclosure: ASCO; Controller: ASCO

		SFOF	RCOD	ECOA							
	UUT Properties										
Weight		Dimensions [ in ]				Lowe	est Nat. Freq. [ Hz ]				
[ lbs ]	Depth	epth Width			Height	F-B	S-S	V			
120	13.5	09	3.5.0032	2-10	48.0	N/A	N/A	N/A			
	UUT	Highest Pas	sed Seism	ic Run Inf	ormation		•	-			
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	othz/h	Pilaho	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]			
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67			

## **Test Mounting Details**

UUT (on right) was wall-mounted to the wall fixture using four (4) 5/16" grade 5 bolts and flat washers. The wall fixture was rigidly mounted to the shake table.

#### **UUT-01**



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



**UUT-02** 

57525R10-3; UUT 3

Model Line	Model Number	Manufacturer
Series 185	E00185A20400F40C	ASCO

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

## **Options / Subcomponent Summary**

Transfer Switch: ASCO; Enclosure: ASCO; Controller: ASCO

FOR CODE COAL										
UUT Properties										
Weight		Dimensions [ in ]				Lowe	est Nat. Freq. [ Hz ]			
[ lbs ]	Depth	Wi	Width Height				S-S	٧		
136	7.5	0.52	25.0032	2-10 4	5.0	N/A	N/A	N/A		
	UUT	Highest Pas	sed Seism	ic Run Infori	mation		-			
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]		
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67		

## **Test Mounting Details**

UUT was wall-mounted to the wall fixture using four (4) 3/8" grade 5 bolts and flat washers. The wall fixture was rigidly mounted to the shake table.

## **UUT-02**





**UUT-03** 

57674R10-1; UUT 1

Model Line	Model Number	Manufacturer
Series 7000	G7ADTBB34000R50C	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

## **Options / Subcomponent Summary**

EOR CODE CO.

Transfer Switch: ASCO; Bypass Switch: ASCO; Enclosure: ASCO; Controller: ASCO

UUT Properties										
Weight		Dimensi	ons [ in ]		T	Lowe	Lowest Nat. Freq. [ Hz ]			
[ lbs ]	Depth	Width			eight	F-B	S-S	٧		
6,435	95.0	050.0032-10			96.0	9.8	6.1	24.0		
	UUT	Highest Pas	sed Seism	ic Run Info	rmation		-			
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	thz/h	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]		
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67		

**Test Mounting Details** 

UUT (on left) was mounted to the test fixture using seventeen (17) 1/2" grade 5 bolts and flat washers.

#### LILIT-03





**UUT-04** 

58168R10-3; UUT 3

Model Line	Model Number	Manufacturer
Series 7000	G07AUBB32000N5ZM	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

## **Options / Subcomponent Summary**

FOR CODE CO.

Transfer Switch: ASCO; Bypass Switch: ASCO; Enclosure: ASCO; Controller: ASCO

		U	UT Prope	rties	10,				
Weight	(4)	Dimensi	ons [ in ]			Lowest Nat. Freq. [ Hz ]			
[ lbs ]	Depth	Wi	dth		F-B	S-S	V		
4,390	62.0	03750032-10			97.0	7.1	4.7	24.0	
	UUT	Highest Pas	sed Seisr	nic Run Ir	formation				
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	othz/h	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

**Test Mounting Details** 

UUT was mounted to the test fixture using six (6) 1/2" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers.

#### LILIT-04





**UUT-05** 

58791R11; UUT 1

Model Line	Model Line Model Number			
Series 7000	G7ASLBB34000N5XM	ASCO		

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

## **Options / Subcomponent Summary**

FOR CODE CO.

Transfer Switch: ASCO; Bypass Switch: ASCO; Enclosure: ASCO; Controller: ASCO

		U	UT Proper	ties	9				
Weight		Dimensi	ons [ in ]			Lowe	st Nat. Freq. [ Hz ]		
[ lbs ]	Depth	Width Height			F-B	S-S	٧		
7,520	114.8	063.00032-10 99.6			7.5	4.2	>33.3		
	UUT	Highest Pas	sed Seism	nic Run Info	rmation		-		
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

**Test Mounting Details** 

UUT was mounted to the test fixture using twelve (12) 1/2" grade 5 bolts and flat washers.







**UUT-06** 

57525R10-1; UUT 1

Model Line	Model Number	Manufacturer
Series 4000	H04ATSB31200N5XC	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

### **Options / Subcomponent Summary**

EOR CODE COL

Transfer Switch: ASCO; Enclosure: ASCO; Controller: ASCO

	10	U	UT Properties								
Weight		Lowest Nat. Freq. [ Hz ]									
[ lbs ]	Depth	Wi	idth	Height		F-B	S-S	٧			
972	24.0	03	8.0-0032-10	87.0		7.3	12.0	>33.3			
_	UUT Highest Passed Seismic Run Information										
Building Code	Test Criteria	[n] _ 2	(1 7/h 1 10 1	I  //\alpha/\dagger/	.[a]	Δ[α]	Δ[α]	Δ[α]			

**Building Code** Test Criteria Sosigi A<sub>FLX-H</sub> [g] A<sub>RIG-H</sub> [g]  $A_{FLX-V}[g]$ A<sub>RIG-V</sub> [g] **CBC 2016** ICC-ES AC156 2.5 1.0 1.5 4.00 3.00 1.67 0.67

### **Test Mounting Details**

UUT was mounted to the test fixture using four (4) 1/2" grade 5 bolts, flat washers, and 2"x2"x1/4" carbon steel plate washers.

#### UUT-06





CBC 2016

## **UNIT UNDER TEST (UUT)** SUMMARY SHEET

**UUT-07** 

57525R10-2; UUT 2

Model Line	Model Number	Manufacturer
Series 7000	J07ATSC30600N50C	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

### **Options / Subcomponent Summary**

FOR CODE COL

Transfer Switch: ASCO; Enclosure: ASCO; Controller: ASCO

ICC-ES AC156

		UUT Propert	es	9						
Weight	Dimensions [ in ]					Lowest Nat. Freq. [ Hz ]				
[ lbs ]	Depth	Width	hiii	leight	F-B	S-S	٧			
402	24.0	09700032	-10	63.0	9.4	18.0	>33.3			
	UUT Highest Passed Seismic Run Information									
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g] z/h	Pilalno	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]			

1.0 **Test Mounting Details** 

1.5

4.00

3.00

1.67

0.67

UUT was mounted to the test fixture using four (4) 3/8" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers.

2.5





**UUT-08** 

58168R10-1A; UUT 1

Model Line	Model Number	Manufacturer
Series 7000	J7ACTSA30600N5XQ	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R/12 Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Enclosure: ASCO; Controller: ASCO

UUT	Properties

Weight		Dimensions [ in ]	Lowest Nat. Freq. [ Hz ]			
[ lbs ]	Depth	Width	Height	F-B	S-S	V
516	20.0	0.526.5.0032-10	68.0	9.8	18.0	>33.3
	LUITI	lighast Passad Saismic Pur	n Information		-	

### UUT Highest Passed Seismic Run Information

Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	thz/h	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

## **Test Mounting Details**

UUT was mounted to the test fixture using four (4) 1/2" grade 5 bolts, flat washers, and 2"x2"x1/4" carbon steel plate washers.

#### LILIT-08





**UUT-09** 

58168R10-1B; UUT 1

Model Line	Model Number	Manufacturer
Series 7000	J7ACTSA30600N5XQ	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R/12 Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Enclosure: ASCO; Controller: ASCO

		POFOF	RCODE	CON						
UUT Properties										
Weight Dimensions			ons [ in ]	Lowest Nat. Freq. [ Hz ]						
[lbs]	Depth	Wi	dth	Height		F-B	S-S	٧		
516	20.0	0.526	9.5.0032	-10 6	8.0	N/A	N/A	N/A		
	UUT	Highest Pas	sed Seismi	Run Infor	mation					
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Pilahd	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]		
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67		

## **Test Mounting Details**

UUT was wall mounted to the wall fixture using four (4) 3/8" grade 5 bolts, flat washers, and 1.5"x1.5"x3/16" carbon steel plate washers. The wall fixture was rigidly mouted to the shake table.

#### UUT-09





**UUT-10** 

58168R10-2; UUT 2

Model Line	Model Number	Manufacturer
Series 7000	J7ACTBB30600N5XM	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

## **Options / Subcomponent Summary**

EOR CODE CO.

Transfer Switch: ASCO; Bypass Switch: ASCO; Enclosure: ASCO; Controller: ASCO

		U	UT Prope	rties	2				
Weight		Dimensions [ in ]					Lowest Nat. Freq. [ Hz ]		
[ lbs ]	Depth	Width			Height	F-B	S-S	٧	
1,726	29.0	0945.5.0032-10			97.5	8.6	9.5	>33.3	
	UUT	Highest Pas	sed Seisı	nic Run Inf	ormation		-		
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	othz/h	l Pilaho	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

**Test Mounting Details** 

UUT was mounted to the test fixture using eight (8) 1/2" grade 5 bolts, flat washers, and 2"x2"x1/4" carbon steel plate washers.







**UUT-11** 

97015-1401g; UUT 11

Model Line	Model Number	Manufacturer
Series 7000	H04ADTSB31000N5XH	ASCO

## **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Manual Control Switch: Square D; Enclosure: ASCO; Controller: ASCO; Ethernet Module: Emerson; Relay Expansion Module: Emerson

		POF	CODE	CON							
	UUT Properties										
Weight		Dimensi	ons [ in ]		7	Lowest Nat. Freq. [ Hz ]					
[ lbs ]	Depth	Wi	dth	Н	eight	F-B	S-S	٧			
560	20.0	034	1.0.0032	-10	77.0	8.0	14.3	>33.3			
	UUT	Highest Pas	sed Seismi	c Run Info	rmation		<del>-</del>				
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	nthz/h	Pilahd	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]			
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67			

**Test Mounting Details** 

UUT was mounted to the test fixture using four (4) 1/2" grade 5 bolts and flat washers.

#### IIIIT-11





**UUT-12** 

97015-1401b; UUT 12

Model Line	Model Number	Manufacturer
Series 7000	G07ATBB32000N5XR	ASCO

## **Product Construction Summary**

Stainless Steel, NEMA 3RX Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Load Disconnecting Circuit: Emerson; Enclosure: ASCO; Controller: ASCO; Strip Heater: Emerson; Relay Expansion Module: Emerson; Relay: Emerson

		POF	RCODE	COA						
UUT Properties										
Weight		Dimensi	ons [ in ]			Lowest Nat. Freq. [ Hz ]				
[ lbs ]	Depth	Wi	dth	Height		F-B	S-S	٧		
3,110	74.5	09	P.0-0032	2-10	94.5	7.8	5.3	22.8		
	UUT	Highest Pas	sed Seismi	c Run In	formation		<del>-</del>			
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]		
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67		

**Test Mounting Details** 

UUT was mounted to the test fixture using twelve (12) 1/2" grade 5 bolts and flat washers.

#### **UUT-12**





**UUT-13A** 

97015-1401c; UUT 13A

Model Line	Model Number	Manufacturer
Series 185	J03ATSB30600NGXH	ASCO

### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Load Current Monitor: Emerson; Enclosure: ASCO; Controller: ASCO; Strip Heater: Emerson; Relay Expansion Module: Emerson; UPS: Emerson; Connectivity Module: Emerson

		OFOF	RCODE	COA				
		U	UT Propertie	es				
Weight	(4)	Dimensions [ in ]				Lowest Nat. Freq. [ Hz ]		
[ lbs ]	Depth	Width		Height		F-B	S-S	V
273	18.5	0.94	4.0.0032	-10 6	7.3	N/A	N/A	N/A
	UUT	Highest Pas	sed Seismic	Run Infor	mation			
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	oth <b>z/h</b>   [	Pilahd	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

Test Mounting Details

UUT was wall mounted to the wall fixture using four (4) 3/8" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers. The wall fixture was rigidly mounted to the shake table.

#### IIIIT-13A





UUT-13A-i

97015-1401c; UUT 13A

Model Line	Manufacturer					
Annunciator	ATS Remote Annunciator	ASCO				

**Product Construction Summary** 

Plastic

**Options / Subcomponent Summary** 

ATS Remote Annunciator: ASCO

UUT	Properties

Weight		Lowest Nat. Freq. [ Hz ]				
[ lbs ]	Depth	Width	Height	F-B	S-S	V
2	3.9	OS <del>47</del> -0032-10	4.5	N/A	N/A	N/A
	UUT H	lighest Passed Seismic Run	Information		•	

Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	othz/h	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

## **Test Mounting Details**

UUT was wall mounted to the wall fixture using two (2) 1/4" grade 5 bolts, flat washers, and 1.5"x1.5"x3/16" plate washers. The wall fixture was rigidly mounted to the shake table.

#### UUT-13A-i





**UUT-13B** 

97015-1401c; UUT 13B

Model Line	Model Number	Manufacturer
Series 185	J03ATSB30600NGXH	ASCO

## **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

## **Options / Subcomponent Summary**

Transfer Switch: ASCO; Load Current Monitor: Emerson; Enclosure: ASCO; Controller: ASCO; Strip Heater: Emerson; Relay Expansion Module: Emerson; UPS: Emerson; Connectivity Module: Emerson

		SFOF	COD	ECOA						
UUT Properties										
Weight Dimensions			ons [ in ]	Lowest Nat. Freq. [ Hz ]						
[ lbs ]	Depth	Width			Height		S-S	٧		
273	18.5	0.52	Po-0032	2-10	67.3	10.3	15.8	6.8		
	UUT	Highest Pas	sed Seism	ic Run In	formation		-			
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	thz/h	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]		
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67		

**Test Mounting Details** 

UUT was mounted to the test fixture using four (4) 3/8" grade 5 bolts and flat washers.

#### **UUT-13B**





**UUT-14A** 

97015-1401d; UUT 14A

Model Line	Model Number	Manufacturer
Series 185	J03ATSB30600NGXH	ASCO

### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Load Surge Suppressor: Emerson; Enclosure: ASCO; Controller: ASCO; UPS: Emerson; Relay Expansion Module: Emerson; Power Meter: Emerson; Connectivity Module: Emerson; Expanded Program Controller: Emerson

		SFOF	RCOD	ECON				
		JED U	UT Proper	ties	10,			
Weight	/4/	Dimensi	ons [ in ]		7	Lowe	st Nat. Freq	. [ Hz ]
[ lbs ]	Depth	Width			Height		S-S	V
277	18.5	09	1.0.0032	2-10	67.3	N/A	N/A	N/A
	UUT	Highest Pas	sed Seism	nic Run In	formation			
Building Code	Test Criteria	S <sub>DS</sub> [g]	othz/h	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [ç
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Test	Mounting	Details				

UUT was wall mounted to the wall fixture using four (4) 3/8" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers. The wall fixture was rigidly mounted to the shake table.

#### IIIIT-14A





**UUT-14B** 

97015-1401d; UUT 14B

Model Line	Model Number	Manufacturer
Series 185	J03ATSB30600NGXH	ASCO

### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Load Surge Suppressor: Emerson; Enclosure: ASCO; Controller: ASCO; UPS: Emerson; Relay Expansion Module: Emerson; Power Meter: Emerson; Connectivity Module: Emerson; Expanded Program Controller: Emerson

FOR CODE COAL										
UUT Properties										
Weight Dimensions [ in ] Lowest Nat. Freq. [ H							. [ Hz ]			
[ lbs ]	[ lbs ] Depth Width				Height	F-B	S-S	٧		
277	18. <mark>5</mark>	0.32	1.0.0032	2-10	67.3	9.8	17.3	17.8		
	UUT	Highest Pas	sed Seismi	c Run Inf	ormation		<del>-</del>			
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	nthz/h	Pilaho	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]		
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67		

**Test Mounting Details** 

UUT was mounted to the test fixture using four (4) 3/8" grade 5 bolts and flat washers.

#### UUT-14B





**UUT-15** 

97015-1401e; UUT 15

Model Line	Model Number	Manufacturer
Series 7000	Q07ATBB1600N5XM	ASCO

## **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

## **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO

		SFOF	RCOD	ECOA				
		U	UT Proper	ties	10/			
Weight			Lowest Nat. Freq. [ Hz ]					
[lbs]	Depth	Wi	dth		Height	F-B	S-S	V
3,240	74.0	OS4F.0-0032-10			95.4	5.5	9.8	22.0
	UUT	Highest Pas	sed Seism	ic Run In	formation		•	
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b> J	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

**Test Mounting Details** 

UUT was mounted to the test fixture using twelve (12) 1/2" grade 5 bolts and flat washers.







**UUT-16** 

97015-1401f; UUT 16

Model Line	Model Number	Manufacturer
Series 7000	S07ATBB32000N5XM	ASCO

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

### **Options / Subcomponent Summary**

FOR CODE CO.

Transfer Switch: ASCO; Controller: ASCO; Strip Heater: Emerson; Relay: Emerson; Relay Expansions Module: Emerson; Connectivity Module: Emerson; Data Monitor Display: Emerson; Load Shedding Circuit: Emerson; Load Disconnecting Circuit: Emerson

		U	UT Proper	ties						
Weight	Dimensions [ in ]					Lowest Nat. Freq. [ Hz ]				
[ lbs ]	Depth	Width Height			F-B	S-S	٧			
3,370	74.0	0541.0-0032-10 95.5			7.0	5.3	21.3			
	UUT Highest Passed Seismic Run Information									
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]		
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67		

**Test Mounting Details** 

UUT was mounted to the test fixture using twelve (12) 1/2" grade 5 bolts and flat washers.







**UUT-17** 

97015-1401a; UUT 17

Model Line	Model Number	Manufacturer
Series 7000	U07ATBB34000N5XM	ASCO

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO

UUT	Properties
-----	------------

Weight		Dimensions [ in ]	Lowest Nat. Freq. [ Hz ]			
[ lbs ]	Depth	Width	Height	F-B	S-S	٧
6,070	115.0	0563.0-0032-10	100.0	4.8	4.5	4.8
	UUT E	lighest Passed Seismic Run	Information	<u> </u>		

<b>Building Code</b>	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	oth <b>z/h</b>   [	Pilahd	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

## **Test Mounting Details**

UUT was mounted to the test fixture using eighteen (18) 1/2" grade 5 bolts and flat washers.

### **UUT-17**





**UUT-18A** 

36501-1501; UUT 18A

Model Line	Model Number	Manufacturer
Series 7000	K03ATSB30400NG0F	ASCO

#### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO

		DEOF	RCODE	ECON				
		U	UT Propert	ies				
Weight			ons [ in ]		Lowest Nat. Freq. [ Hz ]			. [ Hz ]
[ lbs ]	Depth Width		He	Height		S-S	٧	
176	15. <mark>40-/</mark>	0.32	25.0032	2-10 5	0.3	N/A	N/A	N/A
	UUT	Highest Pas	sed Seism	ic Run Infor	mation		-	
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

## **Test Mounting Details**

UUT was wall mounted to the wall fixture using four (4) 3/8" grade 5 bolts, flat washers, and 3"x3"x1/4" plate washers. The wall fixture was rigidly mounted to the shake table.

### UUT-18A





**UUT-18B** 

36501-1501; UUT 18B

Model Line	Model Number	Manufacturer
Series 7000	K03ATSB30400NG0F	ASCO

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO

UL	JT Pro	pert	ies

Weight		Dimensions [ in ]	Lowest Nat. Freq. [ Hz ]			
[ lbs ]	Depth	Width	Height	F-B	S-S	V
176	15.4	032250032-10	50.3	16.0	29.8	>33.3
	LUITI	dighast Passad Saismic Pur	Information		-	

#### UUT Highest Passed Seismic Run Information

Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	oth <b>z/h</b>	Pilahd	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

## **Test Mounting Details**

UUT was mounted to the test fixture using four (4) 1/2" grade 5 bolts and flat washers.

#### **UUT-18B**





**UUT-19** 

97015-1401h; UUT 19

Model Line	Model Number	Manufacturer
Series 7000	P7ADTBB31200N5XP	ASCO

### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

### **Options / Subcomponent Summary**

FOR CODE CO.

Transfer Switch: ASCO; Controller: ASCO; Manual Control Switch: Square D; Pilot Lights: Square D; Power Meter: Emerson

		U	UT Prope	rties	D,			
Weight Dimensions [ in ] Lowest Nat. Fr							st Nat. Freq	. [ Hz ]
[ lbs ]	Depth	Width Height		F-B	S-S	V		
2,380	62.0	0947.0032-10			97.0	8.8	7.8	28.8
	UUT	Highest Pas	sed Seisn	nic Run In	formation			
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	nth <b>z/h</b> I	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

**Test Mounting Details** 

UUT was mounted to the test fixture using twelve (12) 1/2" grade 5 bolts and flat washers.

#### **UUT-19**





UUT-20A/B

36766-1501; UUT 20A/B

Model Line	Model Number	Manufacturer
Series 185	D03ATSB30030KGZC	ASCO

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R/12 Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Manual Inhibit / Automatic Control Switch: Emerson; Preferred Source / Automatic Control Switch: Emerson

		SFOR	COD	ECOA								
UUT Properties												
Weight	(4)	Dimension	ons [ in ]			Lowest Nat. Freq. [ Hz ]						
[ lbs ]	Depth	Width			Height		S-S	V				
43	12.0	096	24.003	2-10	16.4	N/A	N/A	N/A				
	UUT	Highest Pass	sed Seisn	nic Run Inf	ormation							
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	thz/h	Pilaho	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]				
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67				

### **Test Mounting Details**

Each UUT was wall mounted to the wall fixture using four (4) 1/4" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers. The wall fixture was rigidly mounted to the shake table.

## UUT-20A/B



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



**UUT-22A** 

60216-1701-22; UUT 22A

Model Line	Model Number	Manufacturer
Series 300	HY7ACTSB31000N5ZH	ASCO

#### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Selector Switches: Square D / Telemecanique / IDEC; Relays: Deltrol Controls / Siemens Electromechanical Comp.; Current Transformers: GE / ITI; DC-DC Converters: Vicor; Fuse: Bussman; PQ Meter; ASCO; Power Logistics PQ Meter: Square D / Schneider; Time Delay Module: Omron; Electrical Controllers: ASCO / MOXA / Mid-Coast Electric

	FOR CODE COAL											
UUT Properties												
Weight Dimensions [ in ]					7	Lowes	st Nat. Freq	. [ Hz ]				
[ lbs ]	Depth	Width		Н	Height		S-S	V				
720	31.00	03	4.0-0032	2-10 7	7.0	18.0	12.0	>33.3				
	UUT	Highest Pas	sed Seismi	ic Run Info	rmation							
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]				
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67				

### **Test Mounting Details**

UUT was mounted to the test fixture using six (6) 1/2" grade 5 bolts and washers.

### UUT-22A





**UUT-22B** 

60216-1701-22; UUT 22B

Model Line	Model Number	Manufacturer
Series 300	HY7ACTSB31000N5ZH	ASCO

#### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Selector Switches: Square D / Telemecanique / IDEC; Relays: Deltrol Controls / Siemens Electromechanical Comp.; Current Transformers: GE / ITI; DC-DC Converters: Vicor; Fuse: Bussman; PQ Meter; ASCO; Power Logistics PQ Meter: Square D / Schneider; Time Delay Module: Omron; Electrical Controllers: ASCO / MOXA / Mid-Coast Electric

		DEOF	RCODE	CON				
		U	UT Properti	es				
Weight Dimensions [ in ]					T.	Lowe	st Nat. Freq	. [ Hz ]
[ lbs ]	Depth	Width		Height		F-B	S-S	V
720	31.0	03	4.0-0032	-10 7	7.0	N/A	N/A	N/A
	UUT	Highest Pas	sed Seismi	c Run Infor	mation			
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

### Test Mounting Details

UUT was wall mounted to the wall fixture using six (6) 1/2" grade 5 bolts, washers, and 3"x3"x1/4" plate washers. The wall fixture was rigidly mounted to the shake table.

### UUT-22B





**UUT-23A** 

60216-1601b; UUT 23A

Model Line	Model Number	Manufacturer
Series 7000	J4ADTSB30600N5XP	ASCO

### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: Jabil; Auxillary Contacts: ASCO; Communication Module: ASCO / Derrison; Strip Heater: ASCO; Touch Display Interface: ASCO

	FOR CODE COA												
UUT Properties													
Weight	/4/	Dimensions [ in ]				Lowest Nat. Freq. [ Hz ]							
[ lbs ]	Depth	Width			Height	F-B	S-S	٧					
375	22.0	0.28	3.0-0032	2-10	69.0	15.3	8.5	>33.3					
	UUT	Highest Pas	sed Seism	ic Run Ir	nformation		-						
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]					
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67					

**Test Mounting Details** 

UUT was mounted to the test fixture using four (4) 1/2" grade 5 bolts and flat washers.

#### UUT-23A





**UUT-23B** 

60216-1601b; UUT 23B

Model Line	Model Number	Manufacturer
Series 7000	J4ADTSB30600N5XP	ASCO

#### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: Jabil; Auxillary Contacts: ASCO; Communication Module: ASCO / Derrison; Strip Heater: ASCO; Touch Display Interface: ASCO

FOR CODE CO.

		U	UT Prope	rties	10,				
Weight		Dimensi	ions [ in ]			Lowe	Lowest Nat. Freq. [ Hz ]		
[ lbs ] Depth		Width		Height	F-B	S-S	V		
375	22.0	0.528.0.0032-10			69.0	N/A	N/A	N/A	
	UUT	Highest Pas	sed Seisr	nic Run Ir	nformation				
<b>Building Code</b>	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	othz/h	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

### **Test Mounting Details**

UUT was wall mounted to the wall fixture using four (4) 1/2" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers. The wall fixture was rigidly mounted to the shake table.

### UUT-23B





**UUT-24** 

60216-1701-24; UUT 24

Model Line	Model Number	Manufacturer
Series 7000	H7ACTBB31200N5ZC	ASCO

#### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Selector Switches: IDEC / Deltrol Controls; Reverse Power Relay: Basler; Diodes: ABB-IXYS / ASCO; Control Line Fuses: Eaton / Bussman; Electrical Controllers: MOXA; Power Meter: ASCO; Protective Relays: Basler; Pullbox: ASCO

FOR CODE CO.

		U	UT Prope	rties	10/				
Weight	(4)	Dimensi	ons [ in ]			Lowe	Lowest Nat. Freq. [ Hz ]		
[ lbs ] Depth		Wi	Width Heigl		Height	F-B	S-S	V	
2,050	34.0	057.0.0032-10			91.0	10.0	8.6	22.0	
	UUT	Highest Pas	sed Seisr	nic Run Ir	nformation		<u>-</u>	-	
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	othz/h	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

**Test Mounting Details** 

UUT was mounted to the test fixture using eleven (11) 1/2" grade 5 bolts and flat washers.

## **UUT-24**



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.

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**UUT-25** 

79249-1801, UUT-25

Model Line	Model Number	Manufacturer
4000 Series	879080-058	ASCO

#### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

#### **Options / Subcomponent Summary**

EOR CODE CO.

Enclosure: ASCO; I-Line Panelboard: Square D; Panelboard Breakers: Square D; Fuses: Bussman & Mersen/Ferraz; Tie Links: ASCO; Branch Bus: ASCO; Section Bus: ASCO; Main Bus: ASCO; Seperable Connectors: Hubble; ERMS: Square D

			······································					
		U	UT Proper	rties	0			
Weight		Dimensi	ions [ in ]			Lowe	st Nat. Freq	. [ Hz ]
[ lbs ]	Depth Width Height		F-B	S-S	٧			
12,450	95.0	0.20	5.0003	2-10	99.0		7.0	10.5
	UUT	Highest Pas	sed Seisn	nic Run Inf	ormation		-	
Building Code	Test Criteria	S <sub>DS</sub> [g]	oth <b>z/h</b> j	Pilano	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67
	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	oth <sup>z/h</sup> J	Pilaho	A <sub>FLX-H</sub> [g]			

Test Mounting Details

UUT was mounted to an I beam interface test fixture using thirty (30) 1/2" grade 5 bolts and flat washers.

#### UUT-25







**UUT-26A** 

60216-1701-26; UUT 26A

Model Line	Model Number	Manufacturer
4000 Series	J7ACTSB30150N5XC	ASCO

#### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Selector Switches: Square D / Telemecanique / IDEC; Lockout Relay: Shallco / Electroswitch; Protective Relay: General Electric; Test Block: General Electric; Power Supply: ABB; Control Line Fuses: Bussman; Power Logics PQ Meter: Square D / Schneider; PQ Meter: Cutler Hammer; Timers: Releco

		SFOF	RCODE	COA								
	UUT Properties											
Weight		Dimensi	ions [ in ]		T	Lowe	st Nat. Freq	. [ Hz ]				
[ lbs ]	Depth	Width			eight	F-B	S-S	V				
480	20.0	034.00032-10			2.0	26.5	22.8	>33.3				
	UUT	Highest Pas	sed Seismi	Run Infor	mation							
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	oth <b>z/h</b>	Pilahd	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]				
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67				

### **Test Mounting Details**

UUT was mounted to the test fixture using five (5) 1/2" grade 5 bolts and flat washers.

## UUT-26A





**UUT-26B** 

60216-1701-26; UUT 26B

Model Line	Model Number	Manufacturer
4000 Series	J7ACTSB30150N5XC	ASCO

#### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Selector Switches: Square D / Telemecanique / IDEC; Lockout Relay: Shallco / Electroswitch; Protective Relay: General Electric; Test Block: General Electric; Power Supply: ABB; Control Line Fuses: Bussman; Power Logics PQ Meter: Square D / Schneider; PQ Meter: Cutler Hammer; Timers: Releco

		DEOF	RCODE	CON				
	16	U	UT Properti	es	0			
Weight		Dimensi	ons [ in ]	A DOMESTICAL IN	7	Lowest Nat. Freq. [ Hz ]		
[ lbs ]	Depth	Wi	dth	Height		F-B	S-S	V
480	20.0	034	1.0.0032	-10	72.0	N/A	N/A	N/A
	UUT	Highest Pas	sed Seismi	c Run Info	ormation			
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	oth <b>z/h</b>	Pilaho	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67

### **Test Mounting Details**

UUT was wall mounted to the wall fixture using four (4) 1/2" grade 5 bolts, flat washers, and 3"x3"x1/4" plate washers. The wall fixture was rigidly mounted to the shake table.

## UUT-26B





**UUT-27** 

60216-1701-27; UUT 27

Model Line	Model Line Model Number			
300 Series	D03APSA30150NIXM	ASCO		

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 3R Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Group 1 Retrofit Kit: ASCO

		SFOF	RCOD	ECOA								
UUT Properties												
Weight	Dimensi	Dimensions [ in ]				Lowest Nat. Freq. [ Hz ]						
[ lbs ]	Depth	Width			Height		S-S	٧				
341	16.0	03	3.0.0032	2-10	48.0	N/A	N/A	N/A				
	UUT	Highest Pas	sed Seism	nic Run In	formation							
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	nthz/h	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]				
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67				

## **Test Mounting Details**

UUT was wall mounted to the wall fixture using six (6) 1/2" grade 5 bolts, flat washers, 3"x3"x1/4" carbon steel plate washers. The wall fixture was rigidly mounted to the shake table.

## **UUT-27**





**UUT-28A** 

60216-1701-28; UUT 28A

Model Line	Model Number	Manufacturer
4000 Series	J07APSB30400N5ZP	ASCO

### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Selector Switches: American Solenoid / Benedikt & Jager; Electrical Controller: MOXA; Time Delay Module: Omron; Voltage Surge Arrestor: ASCO

FOR CODE CO.

		U	JT Prope	rties	P				
Weight		Dimensi	ons [ in ]			Lowe	Lowest Nat. Freq. [ Hz ]		
[ lbs ]	Depth	Wie	Width Height		F-B	S-S	٧		
570	19.5	0\$42.00032-10			54.5	23.5	9.0	>33.3	
	UUT	Highest Pas	sed Seisı	nic Run Inf	ormation		<u>-</u>		
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	thz/h	Pilaho	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

**Test Mounting Details** 

UUT was mounted to the test fixture using six (6) 1/2" grade 5 bolts and flat washers.

## UUT-28A





**UUT-28B** 

60216-1701-28; UUT 28B

Model Line	Model Number	Manufacturer
4000 Series	J07APSB30400N5ZP	ASCO

#### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Selector Switches: American Solenoid / Benedikt & Jager; Electrical Controller: MOXA; Time Delay Module: Omron; Voltage Surge Arrestor: ASCO

		OFOF	RCOD	ECON				
		U	UT Proper	ies				
Weight		Dimensi	ons [ in ]		V	Lowe	st Nat. Freq	. [ Hz ]
[ lbs ]	Depth	Width		He	eight	F-B	S-S	V
570	19.5	084	20.0032	2-10 5	4.5	N/A	N/A	N/A
	UUT	Highest Pas	sed Seism	ic Run Infor	mation			
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	thz/h	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5 1.0		1.5	4.00	3.00	1.67	0.67
	\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Test	Mounting I	Details	111111/			

UUT was wall mounted to the wall fixture using six (6) 3/8" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers. The wall fixture was rigidly mounted to the shake table.

## **UUT-28B**





**UUT-32** 

60216-1701-32; UUT 32

Model Line	Model Number	Manufacturer
Annunciator	5075	ASCO

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 / 3R / 4 / 12 Rating

#### **Options / Subcomponent Summary**

LED Indicating Light: Schneider Electric: Alarm Module: Mallory; Power Supply: Thomas & Betts; Circuit Breaker: Thomas & Betts; DC-DC Converter: Allied Electric; Monitor: Advantech

FOR CODE CO.

		U	UT Propert	ies					
Weight Dimensions [-in ] Lowest Nat. Freq.									
[ lbs ]	Depth	Width Height		F-B	S-S	V			
54	9.0	0.520	20.0032	2-10 20	0.0	N/A	N/A	N/A	
	UUT	Highest Pas	sed Seism	ic Run Infor	mation				
Building Code	Test Criteria	S <sub>DS</sub> [g]	nth <b>z/h</b>	Piland	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

### **Test Mounting Details**

UUT was wall mounted to the wall fixture using four (4) 1/4" grade 5 bolts, flat washers, and 3"x3"x1/4" plate washers. The wall fixture was rigidly mounted to the shake table.

#### **UUT-32**





**UUT-34** 

60216-1701-34; UUT 34

Model Line	Model Number	Manufacturer
Annunciator	D07MTSB0070000C	ASCO

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

#### **Options / Subcomponent Summary**

FOR CODE CO.

Transfer Switch: ASCO; Manual Operating Handle Assembly: ASCO

		U	UT Prope	rties	D				
Weight	(4)	Dimensi	ons [ in ]			Lowe	Lowest Nat. Freq. [ Hz ]		
[ lbs ]	Ibs ] Depth Width Height			F-B	S-S	٧			
89	15.0	098.0-0032-10			48.0	N/A	N/A	N/A	
	UUT	Highest Pas	sed Seisr	nic Run Inf	formation				
<b>Building Code</b>	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	othz/h	Pilaho	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

**Test Mounting Details** 

UUT was wall mounted to the wall fixture using four (4) 3/8" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers. The wall fixture was rigidly mounted to the shake table.

#### UIUT-34





**UUT-36A** 

60216-1601c; UUT 36A

Model Line	Model Number	Manufacturer
Series 7000	J03ATSB30600NGXH	ASCO

#### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Logic Meter: Schneider; Backup Power Source: ASCO; UPS: ASCO; Relay Expansions Module: ASCO; Load Current Monitor: ASCO; Strip Heater: ASCO; Connectivity Module: ASCO; Ethernet Switch: MOXA

		FOF	RCOD	ECO				
		U	UT Prope	rties	10,			
Weight	/4/	Dimensi	ions [ in ]			Lowe	st Nat. Freq	. [ Hz ]
[ lbs ]	Depth	Width		III hiidaa	Height	F-B	S-S	V
276	19.0	09	4.0.003	2-10	67.0	20.3	9.5	15.3
	UUT	Highest Pas	sed Seisr	nic Run Ir	nformation			
Building Code	Test Criteria	S <sub>DS</sub> [g]	oth <b>z/h</b>	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67
	\ \\	Test	Mounting	Details				

UUT was mounted to the test fixture using four (4) 1/2" grade 5 bolts and flat washers.

## UUT-36A





**UUT-36B** 

60216-1601c; UUT 36B

Model Line	Model Number	Manufacturer
Series 7000	J03ATSB30600NGXH	ASCO

#### **Product Construction Summary**

Stainless Steel, NEMA 4X Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Logic Meter: Schneider; Backup Power Source: ASCO; UPS: ASCO; Relay Expansions Module: ASCO; Load Current Monitor: ASCO; Strip Heater: ASCO; Connectivity Module: ASCO; Ethernet Switch: MOXA

		SFOF	RCOD	ECOA								
UUT Properties												
Weight	(4)	Dimensions [ in ]				Lowest Nat. Freq. [ Hz ]						
[ lbs ]	Depth	Width			Height		S-S	V				
276	19.0	03	4.0-003	2-10	67.0	N/A	N/A	N/A				
	UUT	Highest Pas	sed Seisn	nic Run In	formation							
Building Code	Test C <mark>riteri</mark> a	S <sub>D\$</sub> [g]	othz/h	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]				
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67				

Test Mounting Details

UUT was wall mounted to the wall fixture using four (4) 1/2" grade 5 bolts, flat washers, and 3"x3"x1/4" plate washers. The wall fixture was mounted rigidly to the shake table.

### UUT-36B





**UUT-38A** 

60216-1701-38; UUT 38A

Model Line	Model Number	Manufacturer
Series 7000	J7ADTSO30400NSZG	ASCO

#### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Selector Switch: Square D / IDEC; LCDR Relay: Deltrol Controls; Control Line Fuses: Bussman; Electrical Controller: MOXA; Power Meter: ASCO; IR Window: Fluke

		SFOF	COD	ECOA								
UUT Properties												
Weight		Dimensi	ons [ in ]			Lowest Nat. Freq. [ Hz ]						
[ lbs ]	Depth	Wi	dth		Height	F-B	S-S	٧				
540	31.50	034	034.00032-10 75.0				26.0	>33.3				
	UUT	Highest Pas	sed Seism	ic Run In	formation							
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	thz/h	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]				
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67				

**Test Mounting Details** 

UUT was mounted to the test fixture using (6) 3/8" grade 5 bolts and flat washers.

## UUT-38A





**UUT-38B** 

60216-1701-38; UUT 38B

Model Line	Model Number	Manufacturer
Series 7000	J7ADTSO30400NSZG	ASCO

#### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

#### **Options / Subcomponent Summary**

FOR CODE CO.

Transfer Switch: ASCO; Controller: ASCO; Selector Switch: Square D / IDEC; LCDR Relay: Deltrol Controls; Control Line Fuses: Bussman; Electrical Controller: MOXA; Power Meter: ASCO; IR Window: Fluke

		U	UT Prope	rties	0				
Weight		Dimensions [ in ]				Lowe	Lowest Nat. Freq. [ Hz ]		
[ lbs ]	[ lbs ] Depth Width				Height	F-B	S-S	٧	
540	31.5	034.0032-10			75.0	N/A	N/A	N/A	
	UUT	Highest Pas	sed Seisn	nic Run In	formation				
Building Code	Test Criteria	S <sub>D\$</sub> [g]	oth <b>z/h</b> j	Pilah	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

### **Test Mounting Details**

UUT was wall mounted to the wall fixture using six (6) 1/2" grade 5 bolts, flat washers, and 3"x3"x1/4" carbon steel plate washers. The wall fixture was mounted rigidly to the shake table.

## **UUT-38B**





**UUT-39A** 

60216-1701-39; UUT 39A

Model Line	Model Number	Manufacturer		
Series 4000	J07ATSB30400NSXC	ASCO		

### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Electronic Controller: Cunny & Guerber

		OFOF	RCODE	COA					
	UUT Properties								
Weight		Dimensions [ in ]			Lowest Nat. Fre		st Nat. Freq	q. [ Hz ]	
[ lbs ]	Depth	Wi	dth	H	leight	F-B	S-S	V	
227	14.5	034	1.0-0032	2-10 56.0		10.0	7.0	>33.3	
UUT Highest Passed Seismic Run Information									
Building Code	Test C <mark>riteri</mark> a	S <sub>DS</sub> [g]	oth <b>z/h</b>	Pilaho	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

**Test Mounting Details** 

UUT was mounted to the test fixture using four (4) 3/8" grade 5 bolts and flat washers.

## **UUT-39A**





**UUT-39B** 

60216-1701-39; UUT 39B

Model Line	Model Number	Manufacturer		
Series 4000	J07ATSB30400NSXC	ASCO		

#### **Product Construction Summary**

Powder-Coated Carbon Steel, NEMA 1 Rating

#### **Options / Subcomponent Summary**

Transfer Switch: ASCO; Controller: ASCO; Electronic Controller: Cunny & Guerber

		OP	COD						
		FUI	JT Propert	ies O					
Weight		Dimension	ons [ in ]			Lowest Nat. Freq. [ Hz ]			
[ lbs ]	Depth	Wid	dth	He	eight	F-B	S-S	٧	
227	14.5	24.0 56.0		6.0	N/A	N/A	N/A		
	ÚUT	Highest Pass	ed Seism	ic Run Infor	mation				
Building Code	Test C <mark>riteria</mark>	S <sub>DS</sub> [g]	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> [g]	A <sub>RIG-H</sub> [g]	A <sub>FLX-V</sub> [g]	A <sub>RIG-V</sub> [g]	
CBC 2016	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67	

Test Mounting Details

UUT was wall mounted to the wall fixture using four (4) 3/8" grade 5 bolts, flat washers, and 3"x3"x1/4" plate washers. The wall fixture was mounted rigidly to the shake table. DATE: 01/17/2020

## **UUT-39B**





**UUT-40** 

60216-1601d; UUT 40

		00210 10010, 001 10				
Model Line	Model Number	Manufacturer				
Annunciator	8114400	ASCO				
Product Construction Summary						
Plastic						

**Options / Subcomponent Summary** 

Annunciator

**UUT Properties** Dimensions [ in ] Lowest Nat. Freq. [ Hz ] Weight [ lbs ] Depth Width Height F-B S-S ٧ 2 8.8 6.5 2.5 N/A N/A N/A **UUT Highest Passed Seismic Run Information Building Code Test Criteria** -Lz/h S<sub>DS</sub> [g] al<sub>Pa</sub> A<sub>FLX-H</sub>[g] A<sub>RIG-H</sub> [g]  $A_{FLX-V}[g]$ A<sub>RIG-V</sub> [g] **CBC 2016** ICC-ES AC156 2.5 1.0 1.5 4.00 3.00 1.67 0.67

**Test Mounting Details** 

UUT was wall mounted to the wall fixture using four (4) #14 TEK screws and manufacturer provided mounting tabs. The wall fixture was mounted rigidly to the shake table.

## **UUT-40**

