



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

**APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0457

**HCAI Special Seismic Certification Preapproval (OSP)**

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: Bevco Engineering

Manufacturer's Technical Representative: David Orlowski

Mailing Address: W222 N5739 Miller Way, Sussex, WI 53089

Telephone: (262) 714-4210 Email: dorlowski@bevcoengineering.com

**Product Information**

Product Name: Electrical Control Panels on Life Safety/Critical Branch

Product Model Number(s): See attachments

Product Category: Electrical Control Panels on Life Safety/Critical Branch

Product Sub-Category: Medical System Control Panels

General Description: Multiple modality custom breaker panels.

Mounting Description: Wall Mounted Rigid

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

**Applicant Information**

Applicant Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)

Contact Person: Nastya Veyngerova

Mailing Address: 1315 Greg St, Sparks, NV 89431

Telephone: (775) 358-5085 Email: nastya.veyngerova@shaketest.com

Title: Seismic Test Engineer



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**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

Company Name: THE VMC GROUP

Name: Kenneth Tarlow

California License Number: S2851

Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814

Telephone: (832) 627-2214

Email: ken.tarlow@thevmcgroup.com

**Certification Method**

GR-63-Core

ICC-ES AC156

IEEE 344

IEEE 693

NEBS 3

Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

Company Name: DATASYST ENGINEERING & TESTING SERVICES

Contact Person: Andrew Hoisington

Mailing Address: S14 W33511 Highway 18, Delafield WI 53018

Telephone: (262) 968-4000

Email: andrew.hoisington@datasysttest.com

Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)

Contact Person: Josh Sailer

Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431

Telephone: (775) 358-5085

Email: josh@shaketest.com

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)

Contact Person: Paul Baia

Mailing Address: 1146 Massachusetts Avenue, Boxborough MA 01719

Telephone: (978) 266-1001

Email: paul.baia@nts.com



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**Seismic Parameters**

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal (A Flx-H), g= 4.10 (A Rig-H), g= 2.76

Vertical (A Flx-V), g= 1.71 (A Rig-V), g= 0.68

SDS (Design spectral response acceleration at short period, g) = 2.56

Hf (Force amplification height factor) = 3.5 at z/h=1.0; 1.0 at z/h=0

Ru (Structure ductility reduction factor) = 1.3 at z/h=1.0; 1.0 at z/h=0

Ip (Importance factor) = 1.5

z/h (Height ratio factor) = 1

**HCAI Approval (For Office Use Only) - Approval Expires on 02/13/2032**

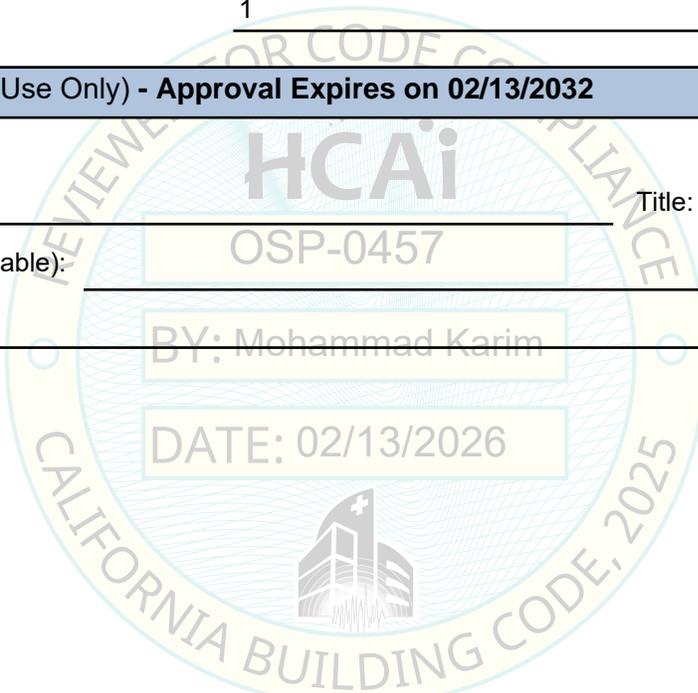
Date: 2/13/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0457

BY: Mohammad Karim

DATE: 02/13/2026



**Special Seismic Certification**  
**Table 1 - Certified Components**



DCL Project Number: 57986-2501

Manufacturer: Bevco

Product Line: Custom Breaker Panels

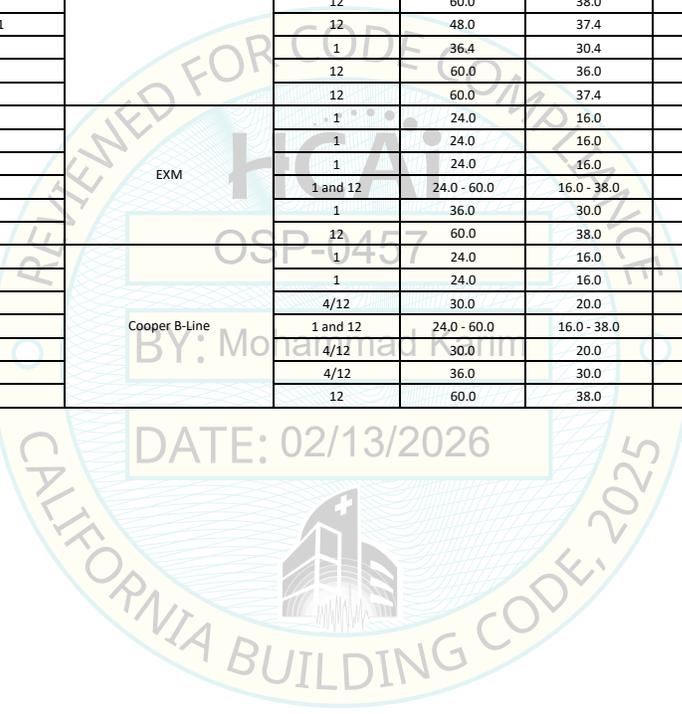
Certified Product Construction: Cold Formed Carbon Steel Enclosures, NEMA 1, 4, 12

Mounting: Rigid Wall Mount

Certified Seismic Levels: Sds=2.56 g with z/h=1.0 and 0.0

Factors for Force Amplification and Structure Ductility Reduction: H<sub>1</sub> = 3.5 at z/h=1.0; 1.0 at z/h=0 and R<sub>μ</sub> = 1.3 at z/h=1.0; 1.0 at z/h=0

Model Number	Enclosure Manufacturer	NEMA Rating	Dimensions [ in. ]			Weight [ lb. ]	Unit	
			Height	Width	Depth			
BEV208/480-025-SP012	Saginaw	1	24.0	16.0	6.0	41	UUT12	
BEV208/480-015-SP006		1	24.3	14.9	5.9	42	UUT6	
BEV208/480-015-SP019		1	24.0	16.0	7.0	45	UUT19	
BEV208/480-015-SP004		1	24.3	14.9	5.9	57	UUT4	
BEV208/480-015-SP018		1	24.0	16.0	7.0	58	UUT18	
BEV208/480-015-SP008		12	20.0	21.4	9.3	73	UUT8	
BEV208/480-025/250-SP014		12	20.0	22.0	8.0	77	UUT14	
BEVVVV-CBA-SPXXX		1 and 12	24 - 60	14.9 - 38.0	5.9 - 17.0	41 - 484	Interpolated	
BEV208/480-250/600-SP013		1	36.0	30.0	12.0	137	UUT13	
BEV208/480-015-SP003		12	42.0	31.4	11.0	224	UUT3	
BEV208/480-250/600-SP015		12	60.0	38.0	12.0	247	UUT15	
BEV208/480-030/100/250/400-SP011		12	48.0	37.4	9.3	264	UUT11	
BEV208/480-100/600-SP007		1	36.4	30.4	12.0	281	UUT7	
BEV208/480-400-SP020		12	60.0	36.0	17.0	387	UUT20	
BEV208/480-600/1200-SP010		12	60.0	37.4	13.3	484	UUT10	
BEV480-015-SP022		EXM	1	24.0	16.0	7.0	46	UUT22
BEV208/480-125-SP016			1	24.0	16.0	6.0	47	UUT16
BEV480-015-SP021			1	24.0	16.0	7.0	58	UUT21
BEVVVV-CBA-SPXXX			1 and 12	24.0 - 60.0	16.0 - 38.0	6.0 - 17.0	45 - 365	Interpolated
BEV208/480-125-SP017			1	36.0	30.0	12.0	164	UUT17
BEV480-400-SP023	12		60.0	38.0	17.0	365	UUT23	
BEV480-015-SP025	1		24.0	16.0	7.0	51	UUT25	
BEV480-015-SP024	1		24.0	16.0	7.0	64	UUT24	
BEV208/480-100-SP001	4/12		30.0	20.0	9.0	85	UUT1	
BEVVVV-CBA-SPXXX	1 and 12		24.0 - 60.0	16.0 - 38.0	7.0 - 17.0	51 - 365	Interpolated	
BEV208/480-020/100-SP005	Cooper B-Line	4/12	30.0	20.0	9.0	92	UUT5	
BEV208/480-100/250-SP002		4/12	36.0	30.0	9.0	151	UUT2	
BEV480-400-SP026		12	60.0	38.0	17.0	365	UUT26	



**Special Seismic Certification**  
**Table 2 - Nomenclature Chart**

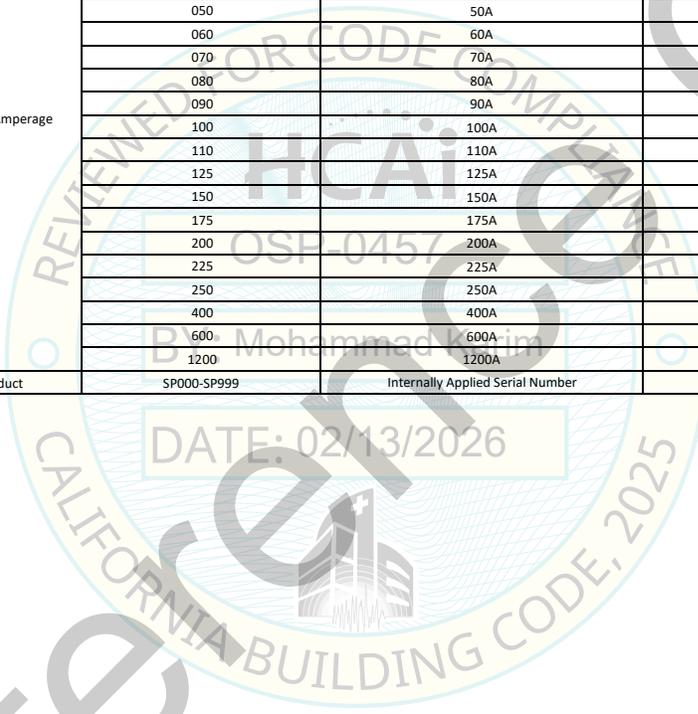


DCL Project Number: 57986-2501

Manufacturer: Bevco

Product Line: Custom Breaker Panels

MMMVVV-CBA-SPXXX				
Variable	Definition	Allowable Value	Allowable Value Description	Unit
MMM	Modality	BEV	Multiple Modality Panel	UUT1 - UUT26
VVV	Input Voltage	208	208V	UUT1, UUT2, UUT3, UUT4, UUT5, UUT6, UUT7, UUT8, UUT10, UUT11, UUT12, UUT13, UUT14, UUT15, UUT16, UUT17, UUT18, UUT19, UUT20
		380	380V	Interpolated
		400	400V	Interpolated
		415	415V	Interpolated
		480	480V	UUT1-UUT26
CBA	Circuit Breaker Amperage	015	15A	UUT3, UUT4, UUT6, UUT8, UUT18, UUT19, UUT21, UUT22, UUT24, UUT25
		020	20A	UUT5
		025	25A	UUT12, UUT14
		030	30A	UUT11
		040	40A	Interpolated
		050	50A	Interpolated
		060	60A	Interpolated
		070	70A	Interpolated
		080	80A	Interpolated
		090	90A	Interpolated
		100	100A	UUT1, UUT2, UUT5, UUT7, UUT11
		110	110A	Interpolated
		125	125A	UUT16
		150	150A	UUT17
		175	175A	Interpolated
		200	200A	Interpolated
		225	225A	Interpolated
		250	250A	UUT2, UUT11, UUT13, UUT14, UUT15
400	400A	UUT11, UUT20, UUT23, UUT26		
600	600A	UUT7, UUT10, UUT13, UUT15		
1200	1200A	UUT10		
SPXXX	Special Product	SP000-SP999	Internally Applied Serial Number	UUT1 - UUT26



Refer



**Special Seismic Certification**  
**Table 4 - Certified Subcomponents**



DCL Project Number: 57986-2501

Product Line: Custom Breaker Panels

Model Number	Manufacturer	Description	Subcomponent Mounting	Material	Weight [ lb ]	Unit	
<b>Circuit Breaker Accessories</b>							
S29450	Square D	Auxiliary Contact	Terminals, Circuit Breaker	Silver, Plastic, Carbon Steel	<1	UUT20, UUT23, UUT26	
LV426950		Auxiliary Contact	Frame, Circuit Breaker	Carbon Steel, Silver, Plastic	<1	UUT18, UUT21, UUT24	
LV426967		Lugs	Terminals, Circuit Breaker	Tin, Aluminum	<1	UUT18, UUT21, UUT24	
LV426974		Lugs	Terminals, Circuit Breaker	Tin, Aluminum	<1	UUT1, UUT5	
PDC6BD6		Lugs	Terminals, Circuit Breaker	Aluminum, Copper	<1	UUT18, UUT21, UUT24	
S37424		Lugs	Terminals, Circuit Breaker	Silver, Copper	<1	UUT20, UUT23, UUT26	
LV426841		Shunt Trip	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT18, UUT21, UUT24	
S29384		Shunt Trip	Frame, Circuit Breaker	Copper, Plastic	<1	UUT20, UUT23, UUT26	
LV*		Accessories	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	Interpolated	
M9*		Accessories	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated	
LV426801		Undervoltage Release	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT18, UUT21, UUT24	
S29404		Undervoltage Release	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT20, UUT23, UUT26	
M9V11263		Circuit Ground Fault Breaker	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT21, UUT24	
S*		Accessories	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	1	Interpolated	
S31543		Motor Operator	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	1	UUT20, UUT23, UUT26	
S29338		Operating Mechanism	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	2	UUT20, UUT23, UUT26	
*PDCxxx		Accessories	Terminals, Circuit Breaker	Aluminum, Copper	2	Interpolated	
PDC6P20		Lugs	Terminals, Circuit Breaker	Aluminum, Copper	2	UUT20, UUT23, UUT26	
SRPE30A15		GE	Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT4, UUT8
SRPE30A20			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT5
SRPE30A30			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT11
SRPE100A70			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT5
SRPE100A80			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT11
SRPE100A100			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT5
SRPF250A200			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT11
SRPG400A250			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT11
SRPG600A600			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10
SR*			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	Interpolated
SRPK1200A1200			Rating Plugs	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT10
SABAP1			Bell Alarm Switch	Frame, Circuit Breaker	Copper, Plastic	<1	UUT8
SAST1	Shunt Trip		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT4, UUT8	
SA*	Shunt Trip		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	Interpolated <sup>1</sup>	
SAUV1	Under Voltage Trip		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT10, UUT11	
SA*	Under Voltage Trip		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	Interpolated	
SAUV3	Under Voltage Trip		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10	
SAUXPAB1	Auxiliary Switch		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT5, UUT10	
SCH2	Operating Handle		Enclosure Frame	Carbon Steel, Plastic	<1	UUT11	
TH1	Operating Handle		Enclosure Frame	Carbon Steel, Plastic	<1	UUT10	
TCAL18	Lug Kit		Terminals, Circuit Breaker	Copper	<1	UUT4, UUT5, UUT8, UUT11	
TCAL29	Lug Kit		Terminals, Circuit Breaker	Copper	<1	UUT11	
FABAM10W	Bell Alarm		Frame, Circuit Breaker	Copper, Plastic	<1	UUT8	
FAUVRJW	UV-Shunt Trip		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT8, UUT10	
FCAL12	Lug Kit		Terminals, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT6, UUT8	
FCAL14	Lug Kit		Terminals, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT6, UUT8	
CKX03	Lug Kit		Contact Terminal	Copper	<1	UUT7, UUT10	
CM1CA5F	Lug Kit Cover		Frame, Circuit Breaker	Plastic	<1	UUT7, UUT10	
TEDUV1	UV-Shunt Trip		Frame, Circuit Breaker	Carbon Steel, Copper	<1	UUT7 UUT10	
TQCFMP3	Mounting Plates		Frame, Circuit Breaker	Copper	<1	UUT6, UUT8, UUT10	
TQ*	Mounting Plates		Frame, Circuit Breaker	Copper	<1	Interpolated	
TQCFBMPA10	Mounting Plates		Frame, Circuit Breaker	Copper	<1	UUT7, UUT10	
GPAC02LLA	Aux Contact		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10	
GP*	Aux Contact		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	Interpolated	
GPAC11LLA	Aux Contact		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10	
BCLF01	Aux Contact		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT5	
BCLF10	Aux Contact		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT5, UUT8	
BC*	Aux Contact		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	Interpolated	
BCLL20	Aux Contact		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT6, UUT7, UUT8	
MREBC10AC2	Timer		Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	<1	UUT4, UUT8	
BTLF30C	Timer Kit	Contact Terminal	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10		
BELA02	Mechanical Interlock	Contact Terminal	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10		
RL4RA040TJ	Relay	Din Rail	Carbon Steel, Copper, Plastic	1	UUT7, UUT10		
RL*	Relay	Din Rail	Carbon Steel, Copper, Plastic	1	Interpolated		
RL4RA040T1	Relay	Din Rail	Carbon Steel, Copper, Plastic	1	UUT6, UUT8		

1. Interpolated units differ in coil voltage rating only

**Special Seismic Certification**  
**Table 5 - Certified Subcomponents**



DCL Project Number: 57986-2501

Product Line: Custom Breaker Panels

Model Number	Manufacturer	Description	Subcomponent Mounting	Material	Weight [ lb ]	Unit	
<b>Circuit Breaker Accessories</b>							
RMLFD	GE	Latch Mechanism	Contactors	Carbon Steel, Copper, Plastic	1	UUT8	
SA*		Auxiliary Switch	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	1	Interpolated	
TH*		Operating Handle	Enclosure Frame	Carbon Steel, Plastic	1	Interpolated	
STDA1		Disconnect Handle	Enclosure Frame	Carbon Steel	1	UUT1, UUT5	
STDA1		Disconnect Handle	Enclosure Frame	Carbon Steel, Plastic	1	UUT8	
RT1B		Overload Relay	Contactors	Carbon Steel, Copper, Plastic	1	UUT6, UUT8	
TCAL124		Lug Kit	Terminals, Circuit Breaker	Copper	1	UUT10	
TCAL18LV		Lug Kit	Terminals, Circuit Breaker	Copper	1	UUT4, UUT5, UUT8, UUT11	
TCAL19PD3		Lug Kit	Terminals, Circuit Breaker	Copper	1	UUT8, UUT11	
CK*		Lug Kit	Contactors	Copper	1	Interpolated	
TCAL125		Lug Kit	Terminals, Circuit Breaker	Copper	1	UUT10	
TCAL40PD1		Lug Kit	Terminals, Circuit Breaker	Aluminum, Copper	1	UUT7	
TCAL40PD3		Lug Kit	Terminals, Circuit Breaker	Aluminum, Copper	1	UUT10	
TCLK365		Lug Kit	Terminals, Circuit Breaker	Aluminum, Copper, Plastic	1	UUT7, UUT10, UUT11	
FC*		Lug Kit	Terminals, Circuit Breaker	Carbon Steel, Copper, Plastic	1	Interpolated	
TC*		Lug Kit	Terminals, Circuit Breaker	Aluminum, Copper, Plastic	1	Interpolated	
CKX01		Lug Kit	Terminals, Circuit Breaker	Copper	1	UUT7, UUT10	
TCLK265		Lug Kit	Terminals, Circuit Breaker	Aluminum, Copper, Plastic	2	UUT7	
SAUXPAB2		Auxiliary Switch	Frame, Circuit Breaker	Carbon Steel, Copper, Plastic	2	UUT5, UUT7	
TH2		Operating Handle	Enclosure Frame	Carbon Steel, Plastic	2	UUT7, UUT10	
SG*		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	2	Interpolated	
SGOM2		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	2	UUT7, UUT10	
SCOM1G		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	2	UUT11	
SC*		Operating Handle	Enclosure Frame	Carbon Steel, Plastic	2	Interpolated	
SC5L		Operating Cable	Enclosure Frame	Copper	3	UUT11	
SC*		Operating Cable	Enclosure Frame	Copper	3	Interpolated	
SC6H		Operating Cable	Enclosure Frame	Copper	3	UUT10, UUT11	
FCALK318H		Lug Kit	Terminals, Circuit Breaker	Carbon Steel, Copper, Plastic	3	UUT7, UUT10	
SC*		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	4	Interpolated	
SCH2K		Operating Handle	Enclosure Frame	Carbon Steel, Copper, Plastic	5	UUT10	
SDOM1A		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	5	UUT8	
SD*		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	6	Interpolated	
SCOM1K		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	6	UUT10	
SE*		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	6	Interpolated	
SEFHM2		Operating Mechanism	Enclosure Frame	Carbon Steel, Plastic	6	UUT5	
RT*		Overload Relay	Contactors	Carbon Steel, Copper, Plastic	7	Interpolated	
RT5E		Overload Relay	Contactors	Carbon Steel, Copper, Plastic	12	UUT7, UUT10	
SMS4PDH1		Plugs	Bracket	Plastic	<1	UUT5	
SC16ML156		Plugs	Bracket	Plastic	<1	UUT5	
S*		Plugs	Bracket	Plastic	<1	Interpolated	
SMS9PDH1		Plugs	Bracket	Plastic	<1	UUT5	
<b>Circuit Breakers</b>							
SU201M-K05		ABB	Miniature	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT21, UUT24
*SUxxxx-xxx			Miniature	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated
SU201M-K63			Miniature	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT15, UUT20, UUT18, UUT26
F202AS-63/0.1			Ground Fault F2*	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT21, UUT24
*F2xxAC-xx/x.xx			Ground Fault F2*	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated
F202AC-40/0.03			Ground Fault F2*	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT15, UUT18, UUT20, UUT26
XT1NU3015AFF000XXX			XT	Subpanel	Carbon Steel, Copper, Plastic	2	UUT13, UUT18, UUT21, UUT24
*XT1xxxxxxxxxxxxxxxx			XT	Subpanel	Carbon Steel, Copper, Plastic	2	Interpolated
*XT2xxxxxxxxxxxxxxxx	XT		Subpanel	Carbon Steel, Copper, Plastic	3	Interpolated	
*XT3xxxxxxxxxxxxxxxx	XT		Subpanel	Carbon Steel, Copper, Plastic	4	Interpolated	
XT4NU3250AFF000XXX	XT		Subpanel	Carbon Steel, Copper, Plastic	6	UUT15, UUT20, UUT23, UUT26	
*XT4xxxxxxxxxxxxxxxx	XT		Subpanel	Carbon Steel, Copper, Plastic	6	Interpolated	
*XT5xxxxxxxxxxxxxxxx	XT		Subpanel	Carbon Steel, Copper, Plastic	11	Interpolated	
XTS340A8FF000XXX	XT		Subpanel	Carbon Steel, Copper, Plastic	11	UUT15, UUT20, UUT23, UUT26	
5SY1017	Miniature 55*		Din Rail	Carbon Steel, Copper, Plastic	<1	UUT19, UUT22, UUT25	
55*	Miniature 55*		Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated	
5SY4101-7	Miniature 55*		Din Rail	Carbon Steel, Copper, Plastic	<1	UUT14	
5SY4111-7	Miniature 55*		Din Rail	Carbon Steel, Copper, Plastic	<1	UUT15, UUT20, UUT23, UUT26	
3VA5195-5ED31-0AA0	3VA*	Subpanel	Carbon Steel, Copper, Plastic	2	UUT14, UUT19, UUT22, UUT25		
3V*	3VA*	Subpanel	Carbon Steel, Copper, Plastic	7	Interpolated		
3VA6440-5HL31-0AA0	3VA*	Subpanel	Carbon Steel, Copper, Plastic	12	UUT20, UUT23, UUT26		

**Special Seismic Certification**  
**Table 6 - Certified Subcomponents**



DCL Project Number: 57986-2501

Product Line: Custom Breaker Panels

Model Number	Manufacturer	Description	Subcomponent Mounting	Material	Weight [ lb ]	Unit	
<b>Circuit Breakers</b>							
M9F43170	Square D	Miniature	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT21, UUT24	
M9F23170		Miniature	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT21, UUT24	
M9*		Miniature	Din Rail	Carbon Steel, Copper, Plastic	1	Interpolated	
M9F43335		Miniature	Din Rail	Carbon Steel, Copper, Plastic	1	UUT1, UUT5	
M9F23363		Miniature	Din Rail	Carbon Steel, Copper, Plastic	1	UUT15, UUT20, UUT23, UUT26	
BGL36015		Power Pact	Subpanel	Carbon Steel, Copper, Plastic	2	UUT13, UUT18, UUT21, UUT24	
BG*		Power Pact	Subpanel	Carbon Steel, Copper, Plastic	2	Interpolated	
JGL36250		Power Pact	Subpanel	Carbon Steel, Copper, Plastic	5	UUT15, UUT20, UUT23, UUT26	
JG*		Power Pact	Subpanel	Carbon Steel, Copper, Plastic	5	Interpolated	
MG*		Power Pact	Subpanel	Carbon Steel, Copper, Plastic	29	Interpolated	
MGL36400		Power Pact	Subpanel	Carbon Steel, Copper, Plastic	29	UUT15, UUT20, UUT23, UUT26	
EP101ULC0.5		GE	EP (IEC)	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT4
EP101ULC01			EP (IEC)	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT11
EP101ULC03			EP (IEC)	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT11
EP101ULHD03	E2000 UL489 1P 3AMP		Din Rail	Carbon Steel, Copper, Plastic	<1	UUT16	
EP*	EP (IEC)		Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated	
EP103ULD63	EP (IEC)		Din Rail	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10	
EP103ULHD205	3P 5A		Din Rail	Carbon Steel, Copper, Plastic	<1	UUT17	
THQC1115WL	Thermal Magnetic		Subpanel	Carbon Steel, Copper, Plastic	<1	UUT6, UUT8	
PEBC2AT580025	E Frame		Subpanel	Carbon Steel, Copper, Plastic	1	UUT12	
FBV16TE015R	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	1	UUT6, UUT8	
FB*	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	1	Interpolated	
THQ*	Thermal Magnetic		Subpanel	Carbon Steel, Copper, Plastic	1	Interpolated	
TEB*	Thermal Magnetic		Subpanel	Carbon Steel, Copper, Plastic	2	Interpolated	
TEB122020WL	Thermal Magnetic		Subpanel	Carbon Steel, Copper, Plastic	2	UUT6, UUT8	
THQC32100WL	Thermal Magnetic		Subpanel	Carbon Steel, Copper, Plastic	3	UUT7, UUT10	
TED*	Thermal Magnetic		Subpanel	Carbon Steel, Copper, Plastic	3	Interpolated	
FC*	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	4	Interpolated	
FCS36TE100R	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	4	UUT8	
FE*	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	4	Interpolated	
SEHA36AT0030	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	5	UUT4, UUT8, UUT11	
SEHA36AT0100	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	6	UUT5, UUT7, UUT11	
SE*	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	6	Interpolated	
SEHA24AT0030	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	7	UUT5	
SF*	Molded Case		Subpanel	Carbon Steel, Copper, Plastic	9	Interpolated	
SFHA36AT0250	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	9	UUT11		
SGHA36AT0400	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	14	UUT11		
SG*	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	14	Interpolated		
SGHA36AT0600	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	14	UUT7, UUT10		
THED*	Thermal Magnetic	Subpanel	Carbon Steel, Copper, Plastic	25	Interpolated		
THED136150WL	Thermal Magnetic	Subpanel	Carbon Steel, Copper, Plastic	25	UUT7, UUT10		
FGH34TE600R1	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	30	UUT7		
FG*	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	30	Interpolated		
FGN36DB250LF	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	30	UUT10		
SK*	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	46	Interpolated		
SKHA36AT1200	Molded Case	Subpanel	Carbon Steel, Copper, Plastic	46	UUT10		
<b>Clamp End</b>							
1201442	PXC Phoenix	Clamp End	Din Rail	Plastic	<1	UUT1, UUT2, UUT3	
<b>Compression Lug</b>							
LCA1/0-56-X	Panduit	Compression Lug	Wire	Copper, Tin	<1	UUT3, UUT5	
LCA2/0-56-X		Compression Lug	Wire	Copper, Tin	<1	UUT2	
LCA410L		Compression Lug	Wire	Copper, Tin	<1	UUT3	
LCA*		Compression Lug	Wire	Copper, Tin	<1	Interpolated	
LCA638L		Compression Lug	Wire	Copper, Tin	<1	UUT11	
LCA6-14-L		Compression Lug	Wire	Copper, Tin	<1	UUT16	
<b>Contact Block</b>							
P9B01VN	GE	Contact Block	Pilot Device	Copper, Plastic	<1	UUT4, UUT7, UUT10, UUT11	
P9*		Contact Block	Pilot Device	Copper, Plastic	<1	Interpolated	
P9B10VN		Contact Block	Pilot Device	Copper, Plastic	<1	UUT4, UUT7, UUT10, UUT11	
CR104PXC01F		Contact Block	Pilot Device	Copper, Plastic	<1	UUT4, UUT8, UUT10	
MCB10	ABB	Contact Block	Pilot Device	Carbon Steel, Copper, Plastic	<1	UUT5	
MC*		Contact Block	Pilot Device	Carbon Steel, Copper, Plastic	<1	Interpolated	
MCBH00		Contact Block	Pilot Device	Carbon Steel, Copper, Plastic	<1	UUT5	

**Special Seismic Certification**  
**Table 7 - Certified Subcomponents**



DCL Project Number: 57986-2501

Product Line: Custom Breaker Panels

Model Number	Manufacturer	Description	Subcomponent Mounting	Material	Weight [ lb ]	Unit	
<b>Contactors</b>							
WA4-13	ABB	Mechanical Latching Block	Contacto Frame	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT21, UUT24	
AF09-30-10-11		Contactors	Subpanel	Carbon Steel, Copper, Plastic	1	UUT13, UUT18, UUT21, UUT24	
*AFxxx-xx-xx-xx		Contactors	Subpanel	Carbon Steel, Copper, Plastic	3	Interpolated	
AF205-30-11-14		Contactors	Subpanel	Carbon Steel, Copper, Plastic	5	UUT1, UUT5	
3TG100108B4	Siemens	Contactors	Subpanel	Carbon Steel, Copper, Plastic	<1	UUT1, UUT3	
3RH2440-1BB40		Latching Block	Contacto Frame	Carbon Steel, Copper, Plastic	1	UUT14, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26	
3RT10171BB41		Contactors	Subpanel	Carbon Steel, Copper, Plastic	1	UUT3	
3RT10171BB4-43MA		Contactors	Subpanel	Carbon Steel, Copper, Plastic	1	UUT1, UUT2, UUT3	
3RT2015-2BB41		Contactors	Subpanel	Carbon Steel, Copper, Plastic	1	UUT14, UUT19, UUT22, UUT25	
3RT20171BB4-43M4		Contactors	Din Rail/Subpanel	Carbon Steel, Copper, Plastic	1	UUT5	
3RT-1AK602028		Contactors	Din Rail/Subpanel	Carbon Steel, Copper, Plastic	1	UUT2	
3RT2023-1BB40		Contactors	Subpanel	Carbon Steel, Copper, Plastic	1	UUT14, UUT19, UUT22, UUT25	
3RT2017-BB40		Contactors	Subpanel	Carbon Steel, Copper, Plastic	1	UUT5	
3RT10361AV60		Contactors	Din Rail/Subpanel	Carbon Steel, Copper, Plastic	2	UUT1	
3RT*		Contactors	Din Rail/Subpanel	Carbon Steel, Copper, Plastic	3	Interpolated	
3R*		Contactors	Subpanel	Carbon Steel, Copper, Plastic	3	Interpolated	
3RT10461AV60		Contactors	Din Rail/Subpanel	Carbon Steel, Copper, Plastic	4	UUT1	
3RT10566AR36		Contactors	Din Rail/Subpanel	Carbon Steel, Copper, Plastic	7	UUT2, UUT3	
3RT1065-6AF35		Contactors	Subpanel	Carbon Steel, Copper, Plastic	14	UUT20, UUT23, UUT26	
CAD32BD		Square D	Latching Block	Contacto Frame	Carbon Steel, Copper, Plastic	1	UUT13, UUT15, UUT18, UUT20
LC1D09BNE			Contactors	Subpanel	Carbon Steel, Copper, Plastic	1	UUT13, UUT18, UUT21, UUT24
LC*			Contactors	Subpanel	Carbon Steel, Copper, Plastic	4	Interpolated
LC1F265			Contactors	Subpanel	Carbon Steel, Copper, Plastic	7	UUT15, UUT20, UUT23, UUT26
GPAE11LLA		GE	Starter	Contacto Frame	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10
GPAULRAAJ	Starter		Contacto Frame	Carbon Steel, Copper, Plastic	<1	UUT6, UUT8	
CL00A310TD	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	1	UUT7, UUT8	
CL00A310TJ	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	1	UUT6	
CL02A310TJ	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	1	UUT11	
GPS1B5AA	Starter		Contacto Frame	Carbon Steel, Copper, Plastic	1	UUT6, UUT8	
GP*	Starter		Contacto Frame	Carbon Steel, Copper, Plastic	1	Interpolated	
CL*	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	1	Interpolated	
CL04A310M1	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	2	UUT5	
GPS1BHAR	Starter		Contacto Frame	Carbon Steel, Copper, Plastic	2	UUT7, UUT10	
GPS2BHAJ	Starter		Contacto Frame	Carbon Steel, Copper, Plastic	2	UUT6, UUT8	
CL10A311M1	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	2	UUT5	
CL10A311MU	AC, 120A (UL), 480/480 Coil		Subpanel	Carbon Steel, Copper, Plastic	2	UUT16	
CL10A311MJ	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	2	UUT4, UUT10	
GPS2BHAU	Starter		Contacto Frame	Carbon Steel, Copper, Plastic	3	UUT7, UUT10	
CK12BE311D	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	3	UUT7, UUT10	
CK*	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	3	Interpolated	
CK75CE311D	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	3	UUT7, UUT10	
CK75CE311Y	C2000 Contactor		Subpanel	Carbon Steel, Copper, Plastic	3	UUT17	
<b>Current Transformer</b>							
9T58K3164	GE		Current Transformer	Contacto Frame	Carbon Steel, Copper, Plastic	<1	UUT14, UUT15
2SFT-500			Current Transformer	Contacto Frame	Carbon Steel, Copper, Plastic	<1	UUT10
W35105	Bender		Current Transformer	Contacto Frame	Carbon Steel, Copper, Plastic	2	UUT11
W*			Current Transformer	Contacto Frame	Carbon Steel, Copper, Plastic	4	Interpolated
WR70X1755			Current Transformer	Contacto Frame	Carbon Steel, Copper, Plastic	5	UUT10
WR70X1765			Current Transformer	Contacto Frame	Carbon Steel, Copper, Plastic	5	UUT11
CT203-600-5	Accuenergy		Current Transformer	Contacto Frame	Carbon Steel, Copper, Plastic	5	UUT11
<b>Diode</b>							
1N4001	Vishay	Diode	Terminal Block	Silicon, Copper, Tin	<1	UUT1, UUT3	
1N4004		Diode	Terminal Block	Silicon, Copper, Tin	<1	UUT5	
1N*		Diode	Terminal Block	Silicon, Copper, Tin	<1	Interpolated	
1N4007		Diode	Terminal Block	Silicon, Copper, Tin	<1	UUT10, UUT11	
NTE5802	NTE	Diode	Terminal Block	Silicon, Copper, Tin	<1	UUT4, UUT7, UUT10	
<b>Distribution Blocks</b>							
PDBFS204	Bussman	Distribution Block	Subpanel	Carbon Steel, Copper, Plastic	<1	UUT4, UUT5, UUT8, UUT16	
PDBFS220		Distribution Block	Subpanel	Carbon Steel, Copper, Plastic	<1	UUT1	
PDBFS303		Distribution Block	Subpanel	Carbon Steel, Copper, Plastic	<1	UUT17	
PDB*		Distribution Block	Subpanel	Carbon Steel, Copper, Plastic	<1	Interpolated	
PDBFS330		Distribution Block	Subpanel	Carbon Steel, Copper, Plastic	1	UUT7, UUT10	
PDBFS500		Distribution Block	Subpanel	Carbon Steel, Copper, Plastic	1	UUT1	
PDBFS504		Distribution Block	Subpanel	Carbon Steel, Copper, Plastic	1	UUT10	
<b>End Barrier</b>							
105000	Weidmueller	End Barrier	Din Rail	Plastic	<1	UUT4, UUT5, UUT7, UUT10, UUT11, UUT16	
1492EBJ3	Allen Bradley	End Barrier	Din Rail	Plastic	<1	UUT3	

**Special Seismic Certification**  
**Table 8 - Certified Subcomponents**



DCL Project Number: 57986-2501

Product Line: Custom Breaker Panels

Model Number	Manufacturer	Description	Subcomponent Mounting	Material	Weight [ lb ]	Unit	
<b>End Cover</b>							
3030433	PXC Phoenix	End Cover	Din Rail	Plastic	<1	UUT1, UUT2, UUT3	
<b>End Stop</b>							
106120	Weidmueller	End Stop	Din Rail	Plastic	<1	UUT4, UUT5, UUT6, UUT7, UUT8, UUT10, UUT11, UUT16	
<b>Fuse Blocks</b>							
CCMR002	Littelfuse	Fuse Block	Din Rail	Copper	<1	UUT11	
LFJ602003CR		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	3	UUT4	
CHCC1DU	Bussman	Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT5, UUT6, UUT11	
CHCC2DU		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT2, UUT3, UUT4, UUT5, UUT11, UUT14, UUT16	
CHCC3DU		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10, UUT17	
CH*		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated	
CHM1DU		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT4, UUT8, UUT10	
JT60030		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT6, UUT8	
JT*		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated	
JTN60060		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10	
JM60400-1CR		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	2	UUT10	
JM*		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	3	Interpolated	
HM*		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	3	Interpolated	
RM*		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	3	Interpolated	
JM60600-1CR		Fuse Block	Din Rail	Carbon Steel, Copper, Plastic	4	UUT10	
<b>Fuses</b>							
LPJ60SP	Bussman	Fuse	Fuse Block	Copper	<1	UUT7, UUT10	
KT*		Fuse	Fuse Block	Copper	<1	Interpolated	
FNQR1.5		Fuse	Fuse Block	Copper	<1	UUT16	
LPJ150SP		Fuse	Fuse Block	Copper	1	UUT4	
LP*		Fuse	Fuse Block	Copper	1	Interpolated	
FR*		Fuse	Fuse Block	Copper	1	Interpolated	
LPJ600SP		Fuse	Fuse Block	Copper	1	UUT10	
LPJ400SP		Fuse	Fuse Block	Copper	2	UUT10	
<b>Ground Bus</b>							
TGK12	GE	Ground Bus	Subpanel	Aluminum, Copper	<1	UUT6	
TGK24		Ground Bus	Subpanel	Aluminum, Copper	<1	UUT7	
TGK*		Ground Bus	Subpanel	Aluminum, Copper	<1	Interpolated	
TGK42		Ground Bus	Subpanel	Aluminum, Copper	<1	UUT10	
TGL*		Ground Bus	Subpanel	Aluminum, Copper	<1	Interpolated	
TGL1		Ground Bus	Subpanel	Aluminum, Copper	<1	UUT4, UUT5	
TGL3		Ground Bus	Subpanel	Aluminum, Copper	<1	UUT16	
TGL8		Ground Bus	Subpanel	Aluminum, Copper	<1	UUT7, UUT10	
UGB2/04146	Panduit	Ground Bus	Subpanel	Copper, Tin	<1	UUT1, UUT2, UUT3	
PK12GTA	Square D	Ground Bus	Subpanel	Copper, Tin	<1	UUT8, UUT11	
<b>Ground Fault Monitor</b>							
RCM420D2	Bender	Ground Fault Monitor	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT11	
<b>Hold Down Clip</b>							
CR420MAS	GE	Hold Down Clip	Din Rail	Carbon Steel, Copper, Plastic	1	UUT6, UUT10	
CR420*		Hold Down Clip	Din Rail	Carbon Steel, Copper, Plastic	1	Interpolated	
CR420NAS		Hold Down Clip	Din Rail	Carbon Steel, Copper, Plastic	1	UUT5, UUT7, UUT8, UUT10	
<b>Jumper</b>							
105236	Weidmueller	Jumper	Terminal Block	Carbon Steel, Copper, Plastic	<1	UUT5, UUT11	
<b>Limit Switch</b>							
GLDB01A2A	Honeywell	Limit Switch	Panel	Carbon Steel, Copper, Plastic	<1	UUT7, UUT10	
<b>Lugs</b>							
LCA2-56-Q	Panduit	Compression Lug	Wire	Copper	<1	UUT17	
ADR11-21	T-B	Lugs	Subpanel	Copper	<1	UUT5, UUT16	
ADR21		Lugs	Subpanel	Copper	<1	UUT1	
ADR25-21		Lugs	Subpanel	Copper	<1	UUT1, UUT2, UUT3, UUT7, UUT8, UUT10, UUT11, UUT17	
ADR35		Lugs	Subpanel	Copper	<1	UUT11	
ADR35-22		Lugs	Subpanel	Copper	<1	UUT4	
ADR*		Lugs	Subpanel	Copper	<1	Interpolated	
ADR60		Lugs	Subpanel	Copper	<1	UUT3, UUT8	
CYA6CL6		Burndy	Lugs	Subpanel	Copper	<1	UUT4
FETCA630A		GE	Lugs	Subpanel	Carbon Steel, Copper, Plastic	3	UUT12
<b>Name Plate</b>							
P9ASTB5	GE	Name Plate	Enclosure Frame	Plastic	<1	UUT4, UUT7, UUT10, UUT11	
CR104PXN1RP88		Name Plate	Enclosure Frame	Aluminum	<1	UUT4	
<b>PCL Module</b>							
SG212CRD	TECO	PCL Module	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT6, UUT10	

**Special Seismic Certification**  
**Table 9 - Certified Subcomponents**



DCL Project Number: 57986-2501

Product Line: Custom Breaker Panels

Model Number	Manufacturer	Description	Subcomponent Mounting	Material	Weight [ lb ]	Unit
<b>Neutral Bar</b>						
TNI100	GE	Neutral Bar	Subpanel	Copper, Plastic	1	UUT6, UUT8
TNIA400		Neutral Bar	Subpanel	Copper, Plastic	2	UUT11
TNI*		Neutral Bar	Subpanel	Copper, Plastic	2	Interpolated
TNIA600		Neutral Bar	Subpanel	Copper, Plastic	3	UUT1, UUT5
TNIA1200		Neutral Bar	Subpanel	Copper, Plastic	3	UUT10
<b>Pilot Devices</b>						
CE4T10R02	ABB	Push Button	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT5, UUT15
CP1-11G-10		Push Button	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT13, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
CE4T-10R-02		Emergency Pushbutton	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
MLBL01G		Light	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT5
C*		Pilot Device	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	Interpolated
CL2-502G		Pilot Light	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
M*		Pilot Device	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	Interpolated
C2SS2-10B-20		Selector Switch	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT13, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
M2SS2-11C		Selector Switch	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT13, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
MP131G		Switch	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT5
O*		Switch	Enclosure Frame	Carbon Steel, Copper, Plastic	1	Interpolated
OL40U3PB		Cam Switch	Enclosure Frame	Carbon Steel, Copper, Plastic	1	UUT13, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
PNDPNVJLV		Light Module	Enclosure Frame	Plastic, Copper	<1	UUT11
P*		Light Module	Enclosure Frame	Plastic, Copper	<1	Interpolated
P9PTNVJLB		Light Module	Enclosure Frame	Plastic, Copper	<1	UUT4, UUT7, UUT10
CR104PSG74891	Switch	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT8, UUT10	
P9SLVD	Pilot Light	Enclosure Frame	Plastic, Copper	<1	UUT11	
080BA9S24LB	LED, 24VDC, White	Enclosure Frame	Plastic, Copper	<1	UUT16	
080BA9S24LV	LED, 24VDC, Green	Enclosure Frame	Carbon Steel, Plastic, Copper	<1	UUT16	
080BA9S120LV	LED, 120VAC, Green	Enclosure Frame	Carbon Steel, Plastic, Copper	<1	UUT16	
P9SEM3RN	Push Button	Enclosure Frame	Plastic, Copper	<1	UUT4, UUT7, UUT10	
P9SPLBGD	Push Button	Enclosure Frame	Plastic, Copper	<1	UUT4, UUT7, UUT10	
P9*	Push Button	Enclosure Frame	Plastic, Copper	<1	Interpolated	
P9XPNR5	Push Button	Enclosure Frame	Plastic, Copper	<1	UUT11	
CR104PBG00R1	Push Button	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT4, UUT8, UUT10	
CR104P*	Push Button	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	Interpolated	
CR104PBG91B2	Push Button	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT8, UUT10	
35U1102-0A840-3BA0	Push Button	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT19, UUT20, UUT22, UUT23, UUT25, UUT26	
35U1100-0A820-3CA0	Push Button	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT19, UUT20, UUT22, UUT23, UUT25, UUT26	
35U1500-0AA10-0AA0	Mounting Unit	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT19, UUT20, UUT22, UUT23, UUT25, UUT26	
35Uxxxx-xxxx-xxxx	Selector Switch	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	Interpolated	
35U1002-2BL30-0AA0	Selector Switch	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT14, UUT15, UUT19, UUT20, UUT22, UUT23, UUT25, UUT26	
*Hxxx-xxxxxx	Pilot Light	Enclosure Frame	Plastic	<1	Interpolated	
HW1P-2FT8DG	Pilot Light	Enclosure Frame	Plastic	<1	UUT19, UUT20, UUT22, UUT23, UUT25, UUT26	
*900xxxxxx	Pilot Light	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	Interpolated	
9001KP5G9	Pilot Light	Enclosure Frame	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT20, UUT21, UUT23, UUT26	
<b>Power Meter</b>						
ACUVIM-IIW-M-5A-P1-AXM-NET	Accuenergy	Power Meter	Din Rail	Carbon Steel, Copper, Plastic	1	UUT10
ACUVIM-IIW-D-5A-P1-AXM-NET		Power Meter	Din Rail	Carbon Steel, Copper, Plastic	1	UUT11
EPM6000E	GE	Power Meter	Din Rail	Plastic, Copper	2	UUT11
SHARK 100-200	ELECTRO SW	Power Meter	Din Rail	Carbon Steel, Copper, Plastic	4	UUT7, UUT10
<b>Rectifier</b>						
SD-300	Bevco	Rectifier	Subpanel	Carbon Steel, Copper, Plastic	22	UUT10
<b>Relay Socket</b>						
CR420NA2	GE	Relay Socket	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT4, UUT5, UUT7, UUT8, UUT10
CR420*		Relay Socket	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated
CR420NA4		Relay Socket	Din Rail	Carbon Steel, Copper, Plastic	1	UUT6, UUT10
SY4S-05	IDEC	Relay Socket	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT10, UUT11
SY*		Relay Socket	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated
SY4S-51F1		Relay Socket	Din Rail	Carbon Steel	<1	UUT11
<b>Shroud</b>						
CA18053	ABB	Shroud	Enclosure Frame	Plastic	<1	UUT5

**Special Seismic Certification**  
**Table 10 - Certified Subcomponents**



DCL Project Number: 57986-2501

Product Line: Custom Breaker Panels

Model Number	Manufacturer	Description	Subcomponent Mounting	Material	Weight [ lb ]	Unit
<b>Power Supply</b>						
6EP1333-3BA10	Siemens	Power Supply	Din Rail	Carbon Steel, Copper, Plastic	1	UUT1, UUT2, UUT3, UUT14, UUT15
PSB24-0605-3	RHINO	Power Supply	Din Rail	Carbon Steel, Copper, Plastic	2	UUT6, UUT10
ML15.121	Puls	Power Supply	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT4, UUT7, UUT8, UUT10, UUT11
ML15.241		Power Supply	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT1, UUT5
ML100.200		Power Supply	Din Rail	Carbon Steel, Copper, Plastic	1	UUT1, UUT3, UUT6
MDP18-12A-1C	Micron	Power Supply	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT1, UUT3
MDP18-24A-1C		Power Supply	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT6
MDP-100-24-2C		Power Supply	Din Rail	Carbon Steel, Copper, Plastic	1	UUT3, UUT4, UUT6
6720005420	Weidmueller	UPS	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT14, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
1469530000		Power Supply	Din Rail	Carbon Steel, Copper, Plastic	1	UUT12, UUT16
2637060000		UPS	Din Rail	Carbon Steel, Copper, Plastic	1	UUT13, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
1370050010		UPS	Din Rail	Carbon Steel, Copper, Plastic	3	UUT13, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
1251070000		UPS	Din Rail	Carbon Steel, Copper, Plastic	8	UUT13, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
<b>Relay</b>						
PRC1T20CDL	Square D	Interface Relay	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT13, UUT15, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
RE17RAMU		Timing Relay	Din Rail	Carbon Steel, Copper, Plastic	1	UUT13, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
MCRA040ATJ	GE	Relay	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT4, UUT7, UUT8, UUT10
CR420NPA0114		Relay	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT5
CR420NPL0222		Relay	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT4, UUT7, UUT8, UUT10
CR420*		Relay	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated
CR420NPL044J		Relay	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT6, UUT10
RL4RD040TD		Control Relay	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT16
MCR022ATD		Control Relay	Din Rail	Carbon Steel, Copper, Plastic	1	UUT16, UUT17
451*		Relay	Din Rail	Carbon Steel, Copper, Plastic	1	Interpolated <sup>1</sup>
451WFFR1D01		Relay	Din Rail	Carbon Steel, Copper, Plastic	1	UUT4, UUT7, UUT8, UUT10
3RH2262-1BB40	Siemens	Interface Relay	Din Rail	Carbon Steel, Copper, Plastic	1	UUT15, UUT19, UUT20, UUT22, UUT23, UUT25, UUT26
RY4S-UDC12V	IDEC	Relay	Din Rail	Carbon Steel, Copper, Plastic	1	UUT10, UUT11
<b>Surge Suppressor</b>						
2591360000	Weidmüller	Surge Suppressor	Subpanel	Copper, Plastic	<1	UUT14, UUT15
2CTB802346R2500	ABB	Surge Suppressor	Surge Suppressor	Copper, Plastic	<1	UUT15
2CTB802346R3300		Surge Suppressor	Surge Suppressor	Copper, Plastic	<1	UUT15
2CTB802341R3300		SPD Device	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT13, UUT18, UUT20, UUT21, UUT23, UUT24, UUT26
BSLV3G	GE	Surge Suppressor	Subpanel	Copper, Plastic	<1	UUT5
<b>Telephone Cabinet</b>						
1212TCF	Saginaw	Telephone Cabinet	Enclosure Frame	Carbon Steel, Copper, Plastic	15	UUT11
<b>Terminal</b>						
3031487	PXC Phoenix	Terminal	Din Rail	Plastic, Copper	<1	UUT1, UUT2, UUT3
30*		Terminal	Din Rail	Plastic, Copper	<1	Interpolated
3031500		Terminal	Din Rail	Plastic, Copper	<1	UUT1, UUT2, UUT3
<b>Terminal Block</b>						
101010	Weidmueller	Terminal Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT11
101020		Terminal Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT16
102010		Terminal Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT11
102020		Terminal Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT16
10*		Terminal Block	Din Rail	Carbon Steel, Copper, Plastic	<1	Interpolated
102020		Terminal Block	Din Rail	Carbon Steel, Copper, Plastic	<1	UUT4, UUT5, UUT7, UUT10
1492J3	Allen Bradley	Terminal Block	Din Rail	Copper, Plastic	<1	UUT1
1492*		Terminal Block	Din Rail	Copper, Plastic	<1	Interpolated
1492J4		Terminal Block	Din Rail	Copper, Plastic	<1	UUT3
1KUGS-IKU-6-S 300V	GE	CT Short Circuit TB	Din Rail	Copper, Plastic	<1	UUT10
<b>Timer</b>						
MREBC10AC2	GE	Electronic Timer	Din Rail	Copper, Plastic	<1	UUT17
9TS8K0042		Transformers	Subpanel	Copper, Laminated Electrical Steel	3	UUT8, UUT17
9TS8K0055		Transformers	Subpanel	Copper, Laminated Electrical Steel	10	UUT7, UUT10
9TS8E0168		Transformers	Subpanel	Copper, Laminated Electrical Steel	12	UUT5
9TS8E0506		Transformers	Subpanel	Copper, Laminated Electrical Steel	12	UUT4, UUT11
9TS*		Transformers	Subpanel	Copper, Laminated Electrical Steel	14	Interpolated
9TS8K0052		Transformers	Subpanel	Copper, Laminated Electrical Steel	19	UUT17
9TS1B0210		Transformers	Subpanel	Copper, Laminated Electrical Steel	25	UUT7, UUT10
Q*	Hammond	Transformers	Subpanel	Copper, Laminated Electrical Steel	36	Interpolated
Q1C5DTCF		Transformers	Subpanel	Copper, Laminated Electrical Steel	36	UUT20, UUT23, UUT26

1. Extrapolated units differ in coil voltage rating only

**Special Seismic Certification**  
**Table 11 - Tested Units**



DCL Project Number: 57986-2501

Manufacturer: Bevco

Product Line: Custom Breaker Panels

Certified Product Construction: Cold Formed Carbon Steel Enclosures, NEMA 1, 4, 12

Mounting: Rigid Wall Mount

Certified Seismic Levels:  $S_d=2.56$  g with  $z/h=1.0$  and  $0.0$

Factors for Force Amplification and Structure Ductility Reduction:  $H_f = 3.5$  at  $z/h=1.0$ ;  $1.0$  at  $z/h=0$  and  $R_w = 1.3$  at  $z/h=1.0$ ;  $1.0$  at  $z/h=0$

Model Number	Enclosure Manufacturer	NEMA Rating	Dimensions [ in. ]			Weight [ lb. ]	Report Number/Previous UUT Designation	DCL UUT Designation
			Height	Width	Depth			
BEV208/480-100-SP001	Cooper B-Line	4/12	30.0	20.0	9.0	85	B103-17034-R2 UUT 1 (Datasyt)	UUT1
BEV208/480-100/250-SP002	Cooper B-Line	4/12	36.0	30.0	9.0	151	B103-17034-R2 UUT 2 (Datasyt)	UUT2
BEV208/480-015-SP003	Saginaw	12	42.0	31.4	11.0	224	B103-17034-R2 UUT 3 (Datasyt)	UUT3
BEV208/480-015-SP004	Saginaw	1	24.3	14.9	5.9	57	B103-17034-R2 UUT 4 (Datasyt)	UUT4
BEV208/480-020/100-SP005	Cooper B-Line	4/12	30.0	20.0	9.0	92	B103-17034-R2 UUT 5 (Datasyt)	UUT5
BEV208/480-015-SP006	Saginaw	1	24.3	14.9	5.9	42	B103-17034-R2 UUT 6 (Datasyt)	UUT6
BEV208/480-100/600-SP007	Saginaw	1	36.4	30.4	12.0	281	B103-17034-R2 UUT 7 (Datasyt)	UUT7
BEV208/480-015-SP008	Saginaw	12	20.0	21.4	9.3	73	B103-17034-R2 UUT 8 (Datasyt)	UUT8
BEV208/480-600/1200-SP010	Saginaw	12	60.0	37.4	13.3	484	B103-17034-R2 UUT 10 (Datasyt)	UUT10
BEV208/480-030/100/250/400-SP011	Saginaw	12	48.0	37.4	9.3	264	B103-17034-R2 UUT 11 (Datasyt)	UUT11
BEV208/480-025-SP012	Saginaw	1	24.0	16.0	6.0	41	PR067247-2 UUT 1 (NTS)	UUT12
BEV208/480-250/600-SP013	Saginaw	1	36.0	30.0	12.0	137	PR067247-2 UUT 2 (NTS)	UUT13
BEV208/480-025/250-SP014	Saginaw	12	20.0	22.0	8.0	77	PR067247-2 UUT 3 (NTS)	UUT14
BEV208/480-250/600-SP015	Saginaw	12	60.0	38.0	12.0	247	PR067247-2 UUT 4 (NTS)	UUT15
BEV208/480-125-SP016	EXM	1	24.0	16.0	6.0	47	PR067247-2 UUT 5 (NTS)	UUT16
BEV208/480-125-SP017	EXM	1	36.0	30.0	12.0	164	PR067247-2 UUT 6 (NTS)	UUT17
BEV208/480-015-SP018	Saginaw	1	24.0	16.0	7.0	58	91365-2001 UUT18 (DCL)	UUT18
BEV208/480-015-SP019	Saginaw	1	24.0	16.0	7.0	45	91365-2001 UUT19 (DCL)	UUT19
BEV208/480-400-SP020	Saginaw	12	60.0	36.0	17.0	387	91365-2001 UUT20 (DCL)	UUT20
BEV480-015-SP021	EXM	1	24.0	16.0	7.0	58	91365-2001 UUT21 (DCL)	UUT21
BEV480-015-SP022	EXM	1	24.0	16.0	7.0	46	91365-2001 UUT22 (DCL)	UUT22
BEV480-400-SP023	EXM	4/12	60.0	36.0	17.0	365	91365-2001 UUT23 (DCL)	UUT23
BEV480-015-SP024	Cooper B-Line	1	24.0	16.0	7.0	64	91365-2001 UUT24 (DCL)	UUT24
BEV480-015-SP025	Cooper B-Line	1	24.0	16.0	7.0	51	91365-2001 UUT25 (DCL)	UUT25
BEV480-400-SP026	Cooper B-Line	12	60.0	36.0	17.0	365	91365-2001 UUT26 (DCL)	UUT26

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT1

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-100-SP001

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 4/12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
85	9.0	20.0	30.0	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.86	1.0	3.5	1.3	1.5	4.58	3.43	N/A	N/A
	AC156-24	2.86	0.0	1.0	1.0		N/A	N/A	1.92	0.77

**Unit Mounting Description:** UUT1 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 28.0" heightwise and 18.0" widthwise.

OSP-0457

BY: Mohammad Karim

DATE: 02/13/2026



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT1

### Options / Component Summary:

Model Number	Manufacturer	Material
<b>Enclosures</b>		
30208-SD	Cooper B-Line	Cold Formed Carbon Carbon Steel
<b>Aux Contact</b>		
3RH19211EA11	Siemens	Carbon Steel, Copper, Plastic
<b>Clamp End</b>		
1201442	PXC Phoenix	Plastic
<b>Contactors</b>		
3TG10010BB4	Siemens	Carbon Steel, Copper, Plastic
3RT10171BB4-43MA	Siemens	Carbon Steel, Copper, Plastic
3RT10361AV60	Siemens	Carbon Steel, Copper, Plastic
3RT10461AV60	Siemens	Carbon Steel, Copper, Plastic
<b>Diode</b>		
1N4001	Vishay	Silicon, Copper, Tin
<b>Distribution Blocks</b>		
PDBFS220	Bussman	Carbon Steel, Copper, Plastic
PDBFS500	Bussman	Carbon Steel, Copper, Plastic
<b>End Cover</b>		
3030433	PXC Phoenix	Plastic
<b>Ground Bus</b>		
UGB2/04146	Panduit	Copper, Tin
<b>Lugs</b>		
ADR21	T-B	Copper
ADR25-21		Copper
<b>Power Supply</b>		
6EP1333-3BA10	Siemens	Carbon Steel, Copper, Plastic
ML100.200	Puls	Carbon Steel, Copper, Plastic
MDP18-12A-1C	Micron	Carbon Steel, Copper, Plastic
<b>Terminal</b>		
3031487	PXC Phoenix	Plastic, Copper
3031500		Plastic, Copper
<b>Terminal Block</b>		
1492J3	Allen Bradley	Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT2

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-100/250-SP002

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 4/12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
151	9.0	30.0	36.0	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.79	1.0	3.5	1.3	1.5	4.46	3.35	N/A	N/A
	AC156-24	2.79	0.0	1.0	1.0		N/A	N/A	1.87	0.75

**Unit Mounting Description:** UUT2 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 34.0" heightwise and 28.0" widthwise.

OSP-0457

BY: Mohammad Karim



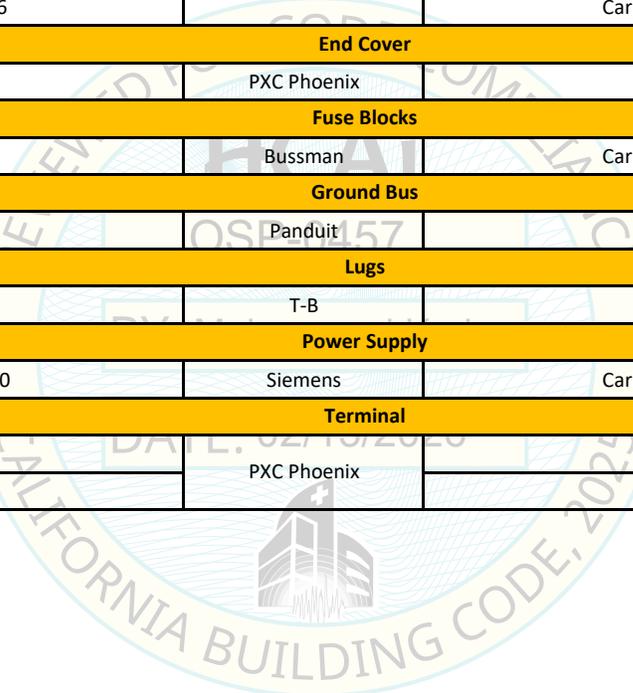
# UNIT UNDER TEST (UUT) Summary Sheet



**UUT2**

*Options / Component Summary:*

Model Number	Manufacturer	Material
<b>Enclosures</b>		
36308-SD	Cooper B-Line	Cold Formed Carbon Carbon Steel
<b>Clamp End</b>		
1201442	PXC Phoenix	Plastic
<b>Compression Lug</b>		
LCA2/0-56-X	Panduit	Copper, Tin
<b>Contactors</b>		
3RT10171BB4-43MA	Siemens	Carbon Steel, Copper, Plastic
3RT-1AK602028		Carbon Steel, Copper, Plastic
3RT10566AR36		Carbon Steel, Copper, Plastic
<b>End Cover</b>		
3030433	PXC Phoenix	Plastic
<b>Fuse Blocks</b>		
CHCC2DU	Bussman	Carbon Steel, Copper, Plastic
<b>Ground Bus</b>		
UGB2/04146	Panduit	Copper, Tin
<b>Lugs</b>		
ADR25-21	T-B	Copper
<b>Power Supply</b>		
6EP1333-3BA10	Siemens	Carbon Steel, Copper, Plastic
<b>Terminal</b>		
3031487	PXC Phoenix	Plastic, Copper
3031500		Plastic, Copper



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT3

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-015-SP003

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
224	11.0	31.4	42.0	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>i</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.88	1.0	3.5	1.3	1.5	4.61	3.46	N/A	N/A
	AC156-24	2.88	0.0	1.0	1.0		N/A	N/A	1.93	0.78

**Unit Mounting Description:** UUT3 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 40.0" heightwise and 30" widthwise.

OSP-0457

BY: Mohammad Karim



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT3

### Options / Component Summary:

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-42XEL3110LP	Saginaw	Cold Formed Carbon Carbon Steel
<b>Bridge</b>		
3030284	PXC Phoenix	Copper, Plastic
<b>Clamp End</b>		
1201442	PXC Phoenix	Plastic
<b>Compression Lug</b>		
LCA1/0-56-X	Panduit	Copper, Tin
LCA410L	Panduit	Copper, Tin
<b>Contactors</b>		
3TG10010BB4	Siemens	Carbon Steel, Copper, Plastic
3RT10171BB41	Siemens	Carbon Steel, Copper, Plastic
3RT10171BB4-43MA	Siemens	Carbon Steel, Copper, Plastic
3RT10566AR36	Siemens	Carbon Steel, Copper, Plastic
<b>Diode</b>		
1N4001	Vishay	Silicon, Copper, Tin
<b>End Barrier</b>		
1492EBJ3	Allen Bradley	Plastic
<b>End Cover</b>		
3030433	PXC Phoenix	Plastic
<b>Fuse Blocks</b>		
CHCC2DU	Bussman	Carbon Steel, Copper, Plastic
<b>Ground Bus</b>		
UGB2/04146	Panduit	Copper, Tin
<b>Lugs</b>		
ADR25-21	T-B	Copper
ADR60	T-B	Copper
<b>Power Supply</b>		
6EP1333-3BA10	Siemens	Carbon Steel, Copper, Plastic
ML100.200	Puls	Carbon Steel, Copper, Plastic
MDP18-12A-1C	Micron	Carbon Steel, Copper, Plastic
MDP-100-24-2C	Micron	Carbon Steel, Copper, Plastic
<b>Terminal</b>		
3031487	PXC Phoenix	Plastic, Copper
3031500	PXC Phoenix	Plastic, Copper
<b>Terminal Block</b>		
1492J4	Allen Bradley	Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT4

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-015-SP004

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
57	5.9	14.9	24.3	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT4 was mounted to the wall fixture with (4) 1/4" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 22.0" heightwise and 13.0" widthwise.

BY: Mohammad Karim

DATE: 02/13/2026



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT4**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-24N1506LP	Saginaw	Cold Formed Carbon Carbon Steel
<b>Battery</b>		
PS1270	Powersonic	Lead-acid, Plastic
<b>Circuit Breaker Accessories</b>		
SRPE30A15	GE	Carbon Steel, Copper, Plastic
SAST1	GE	Carbon Steel, Copper, Plastic
TCAL18	GE	Copper
MREBC10AC2	GE	Carbon Steel, Copper, Plastic
TCAL18LV	GE	Copper
<b>Circuit Breakers</b>		
EP101ULC0.5	GE	Carbon Steel, Copper, Plastic
SEHA36AT0030	GE	Carbon Steel, Copper, Plastic
<b>Contact Block</b>		
P9B01VN	GE	Copper, Plastic
P9B10VN	GE	Copper, Plastic
CR104PXC01F	GE	Copper, Plastic
<b>Contactors</b>		
CL10A311MJ	GE	Carbon Steel, Copper, Plastic
<b>Diode</b>		
NTE5802	NTE	Silicon, Copper, Tin
<b>Distribution Blocks</b>		
PDBFS204	Bussman	Carbon Steel, Copper, Plastic
<b>End Barrier</b>		
105000	Weidmueller	Plastic
<b>End Stop</b>		
106120	Weidmueller	Plastic
<b>Fuse Blocks</b>		
LFJ602003CR	Littelfuse	Carbon Steel, Copper, Plastic
CHCC2DU	Bussman	Carbon Steel, Copper, Plastic
CHM1DU	Bussman	Carbon Steel, Copper, Plastic
<b>Fuses</b>		
LPJ150SP	Bussman	Copper
<b>Ground Bus</b>		
TGL1	GE	Aluminum, Copper
<b>Lugs</b>		
ADR35-22	T-B	Copper
CYA6CL6	Burndy	Copper
<b>Name Plate</b>		
P9ASTBS	GE	Plastic
CR104PXN1RP88	GE	Aluminum

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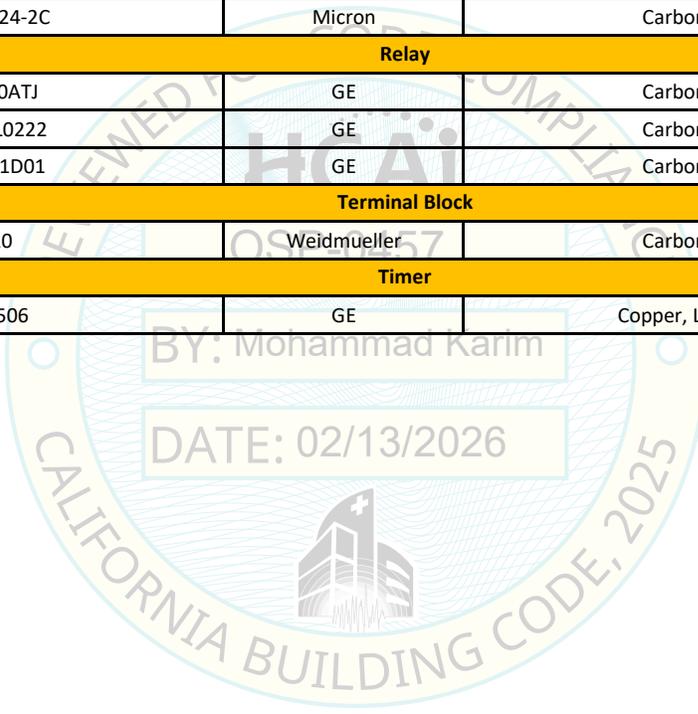
# UNIT UNDER TEST (UUT) Summary Sheet



## UUT4

Options / Component Summary (continued):

Model Number	Manufacturer	Material
<b>Pilot Devices</b>		
P9PTNVJLB	GE	Plastic, Copper
P9SEM3RN	GE	Plastic, Copper
P9SPLBGD	GE	Plastic, Copper
CR104PBG00R1	GE	Carbon Steel, Copper, Plastic
<b>Relay Socket</b>		
CR420NA2	GE	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
ML15.121	Puls	Carbon Steel, Copper, Plastic
MDP-100-24-2C	Micron	Carbon Steel, Copper, Plastic
<b>Relay</b>		
MCRA040ATJ	GE	Carbon Steel, Copper, Plastic
CR420NPL0222	GE	Carbon Steel, Copper, Plastic
451WFPR1D01	GE	Carbon Steel, Copper, Plastic
<b>Terminal Block</b>		
102020	Weidmueller	Carbon Steel, Copper, Plastic
<b>Timer</b>		
9T58E0506	GE	Copper, Laminated Electrical Steel



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT5

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-020/100-SP005

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 4/12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
92	9	20	30	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.86	1.0	3.5	1.3	1.5	4.58	3.43	N/A	N/A
	AC156-24	2.86	0.0	1.0	1.0		N/A	N/A	1.92	0.77

**Unit Mounting Description:** UUT5 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 28.0" heightwise and 18.0" widthwise.

OSP-0457

BY: Mohammad Karim

DATE: 02/13/2026



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT5**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
30208-SD	Cooper B-Line	Cold Formed Carbon Carbon Steel
<b>Circuit Breaker Accessories</b>		
SRPE30A20	GE	Carbon Steel, Copper, Plastic
SRPE100A70	GE	Carbon Steel, Copper, Plastic
SRPE100A100	GE	Carbon Steel, Copper, Plastic
SAUXPAB1	GE	Carbon Steel, Copper, Plastic
TCAL18	GE	Copper
BCLF01	GE	Carbon Steel, Copper, Plastic
BCLF10	GE	Carbon Steel, Copper, Plastic
TCAL18LV	GE	Copper
SAUXPAB2	GE	Carbon Steel, Copper, Plastic
SEFHM2	GE	Carbon Steel, Plastic
SMS4PDH1	Souriau	Plastic
SC16ML1S6	Souriau	Plastic
SMS9PDH1	Souriau	Plastic
<b>Circuit Breakers</b>		
SEHA36AT0100	GE	Carbon Steel, Copper, Plastic
SEHA24AT0030	GE	Carbon Steel, Copper, Plastic
<b>Compression Lug</b>		
LCA1/0-56-X	Panduit	Copper, Tin
<b>Contact Block</b>		
MCB10	ABB	Carbon Steel, Copper, Plastic
MCBH00	ABB	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
3RT20171BB4-43M4	Siemens	Carbon Steel, Copper, Plastic
3RT2017-BB40	Siemens	Carbon Steel, Copper, Plastic
CLO4A310M1	GE	Carbon Steel, Copper, Plastic
CL10A311M1	GE	Carbon Steel, Copper, Plastic
<b>Diode</b>		
1N4004	Vishay	Silicon, Copper, Tin
<b>Distribution Blocks</b>		
PDBFS204	Bussman	Carbon Steel, Copper, Plastic
<b>End Barrier</b>		
105000	Weidmueller	Plastic
<b>End Stop</b>		
106120	Weidmueller	Plastic
<b>Fuse Blocks</b>		
CHCC1DU	Bussman	Carbon Steel, Copper, Plastic
CHCC2DU	Bussman	Carbon Steel, Copper, Plastic
<b>Ground Bus</b>		
TGL1	GE	Aluminum, Copper

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**UNIT UNDER TEST (UUT) Summary Sheet**



**UUT5**

*Options / Component Summary (continued):*

Model Number	Manufacturer	Material
<b>Hold Down Clip</b>		
CR420NAS	GE	Carbon Steel, Copper, Plastic
<b>Jumper</b>		
105236	Weidmueller	Carbon Steel, Copper, Plastic
<b>Lugs</b>		
ADR11-21	T-B	Copper
<b>Pilot Devices</b>		
CE4T10R02	ABB	Carbon Steel, Copper, Plastic
MLBL01G	ABB	Carbon Steel, Copper, Plastic
MP131G	ABB	Carbon Steel, Copper, Plastic
<b>Relay Socket</b>		
CR420NA2	GE	Carbon Steel, Copper, Plastic
<b>Relay</b>		
CR420NPA0114	GE	Carbon Steel, Copper, Plastic
<b>Shroud</b>		
CA18053	ABB	Plastic
<b>Surge Suppressor</b>		
BSLV3G	GE	Copper, Plastic
<b>Terminal Block</b>		
102020	Weidmueller	Carbon Steel, Copper, Plastic
<b>Timer</b>		
9T58E0168	GE	Copper, Laminated Electrical Steel



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT6

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-015-SP006

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
42	5.9	14.9	24.3	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT6 was mounted to the wall fixture with (4) 1/4" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 22.0" heightwise and 13.0" widthwise.

OSP-0457

BY: Mohammad Karim



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT6**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-24N1506LP	Saginaw	Cold Formed Carbon Carbon Steel
<b>Circuit Breaker Accessories</b>		
FCAL12	GE	Carbon Steel, Copper, Plastic
FCAL14	GE	Carbon Steel, Copper, Plastic
TQCFMP3	GE	Copper
BCLL20	GE	Carbon Steel, Copper, Plastic
RL4RA040T1	GE	Carbon Steel, Copper, Plastic
RT1B	GE	Carbon Steel, Copper, Plastic
<b>Circuit Breakers</b>		
THQC1115WL	GE	Carbon Steel, Copper, Plastic
FBV16TE015R	GE	Carbon Steel, Copper, Plastic
TEB122020WL	GE	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
GPAULRAAJ	GE	Carbon Steel, Copper, Plastic
CL00A310TJ	GE	Carbon Steel, Copper, Plastic
GPS1BSAA	GE	Carbon Steel, Copper, Plastic
GPS2BHAK	GE	Carbon Steel, Copper, Plastic
<b>End Stop</b>		
106120	Weidmueller	Plastic
<b>Fuse Blocks</b>		
CHCC1DU	Bussman	Carbon Steel, Copper, Plastic
JT60030	Bussman	Carbon Steel, Copper, Plastic
<b>Ground Bus</b>		
TGK12	GE	Aluminum, Copper
<b>Hold Down Clip</b>		
CR420MAS	GE	Carbon Steel, Copper, Plastic
<b>PCL Module</b>		
SG212CRD	TECO	Carbon Steel, Copper, Plastic
<b>Neutral Bar</b>		
TNI100	GE	Copper, Plastic
<b>Relay Socket</b>		
CR420NA4	GE	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
PSB24-060S-3	RHINO	Carbon Steel, Copper, Plastic
ML15.241	Puls	Carbon Steel, Copper, Plastic
ML100.200	Puls	Carbon Steel, Copper, Plastic
MDP18-24A-1C	Micron	Carbon Steel, Copper, Plastic
MDP-100-24-2C	Micron	Carbon Steel, Copper, Plastic
<b>Relay</b>		
CR420NPL044J	GE	Carbon Steel, Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT7

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-100/600-SP007

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

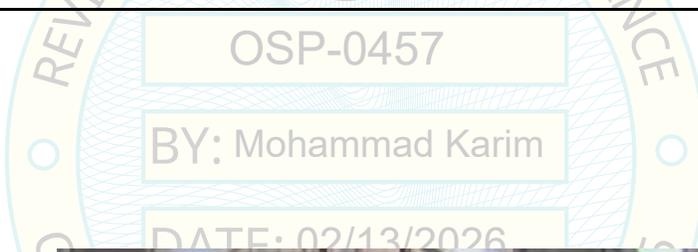
### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
281	12	30.4	36.4	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.70	1.0	3.5	1.3	1.5	4.32	3.24	N/A	N/A
	AC156-24	2.70	0.0	1.0	1.0		N/A	N/A	1.81	0.73

**Unit Mounting Description:** UUT7 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 34.0" heightwise and 28.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT7**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-36N3012LP	Saginaw	Cold Formed Carbon Carbon Steel
<b>Battery</b>		
PS1270	Powersonic	Lead-acid, Plastic
<b>Circuit Breaker Accessories</b>		
SRPG600A600	GE	Carbon Steel, Copper, Plastic
SAUV3	GE	Carbon Steel, Copper, Plastic
CKX03	GE	Copper
CM1CA5F	GE	Plastic
TEDUV1	GE	Carbon Steel, Copper
TQCGFBMPA10	GE	Copper
GPAC02LLA	GE	Carbon Steel, Copper, Plastic
GPAC11LLA	GE	Carbon Steel, Copper, Plastic
BCLL20	GE	Carbon Steel, Copper, Plastic
BTLF30C	GE	Carbon Steel, Copper, Plastic
BELA02	GE	Carbon Steel, Copper, Plastic
RL4RA040TJ	GE	Carbon Steel, Copper, Plastic
TCAL40PD1	GE	Aluminum, Copper
TCLK365	GE	Aluminum, Copper, Plastic
CKX01	GE	Copper
TCLK265	GE	Aluminum, Copper, Plastic
SAUXPAB2	GE	Carbon Steel, Copper, Plastic
TH2	GE	Carbon Steel, Plastic
SGOM2	GE	Carbon Steel, Plastic
FCALK318H	GE	Carbon Steel, Copper, Plastic
RT5E	GE	Carbon Steel, Copper, Plastic
<b>Circuit Breakers</b>		
EP103ULD63	GE	Carbon Steel, Copper, Plastic
EP103ULH2D05	GE	Carbon Steel, Copper, Plastic
THQC32100WL	GE	Carbon Steel, Copper, Plastic
SEHA36AT0100	GE	Carbon Steel, Copper, Plastic
SGHA36AT0600	GE	Carbon Steel, Copper, Plastic
THED136150WL	GE	Carbon Steel, Copper, Plastic
FGH34TE600R1	GE	Carbon Steel, Copper, Plastic
<b>Contact Block</b>		
P9B01VN	GE	Copper, Plastic
P9B10VN	GE	Copper, Plastic
<b>Diode</b>		
NTE5802	NTE	Silicon, Copper, Tin
<b>Distribution Blocks</b>		
PDBFS330	Bussman	Carbon Steel, Copper, Plastic
<b>End Barrier</b>		
105000	Weidmueller	Plastic

Continued on next page

# UNIT UNDER TEST (UUT) Summary Sheet



UUT7

Options / Component Summary (continued):

Model Number	Manufacturer	Material
<b>Contactors</b>		
GPAE11LLA	GE	Carbon Steel, Copper, Plastic
CL00A310TD	GE	Carbon Steel, Copper, Plastic
GPS1BHAR	GE	Carbon Steel, Copper, Plastic
GPS2BHAU	GE	Carbon Steel, Copper, Plastic
CK12BE311D	GE	Carbon Steel, Copper, Plastic
CK75CE311D	GE	Carbon Steel, Copper, Plastic
<b>End Stop</b>		
106120	Weidmueller	Plastic
<b>Fuse Blocks</b>		
CHCC3DU	Bussman	Carbon Steel, Copper, Plastic
JTN60060	Bussman	Carbon Steel, Copper, Plastic
<b>Fuses</b>		
LPJ60SP	Bussman	Copper
<b>Ground Bus</b>		
TGK24	GE	Aluminum, Copper
TGL8	GE	Aluminum, Copper
<b>Hold Down Clip</b>		
CR420NAS	GE	Carbon Steel, Copper, Plastic
<b>Limit Switch</b>		
GLDB01A2A	Honeywell	Carbon Steel, Copper, Plastic
<b>Lugs</b>		
ADR25-21	T-B	Copper
<b>Name Plate</b>		
P9ASTBS	GE	Plastic
<b>Neutral Bar</b>		
TNIA600	GE	Copper, Plastic
<b>Pilot Devices</b>		
P9PTNVJLB	GE	Plastic, Copper
P9SEM3RN	GE	Plastic, Copper
P9SPLBGD	GE	Plastic, Copper
<b>Power Meter</b>		
SHARK 100-200	ELECTRO SW	Carbon Steel, Copper, Plastic
<b>Relay Socket</b>		
CR420NA2	GE	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
ML15.121	Puls	Carbon Steel, Copper, Plastic
<b>Relay</b>		
MCRA040ATJ	GE	Carbon Steel, Copper, Plastic
CR420NPL0222	GE	Carbon Steel, Copper, Plastic
451WFPR1D01	GE	Carbon Steel, Copper, Plastic

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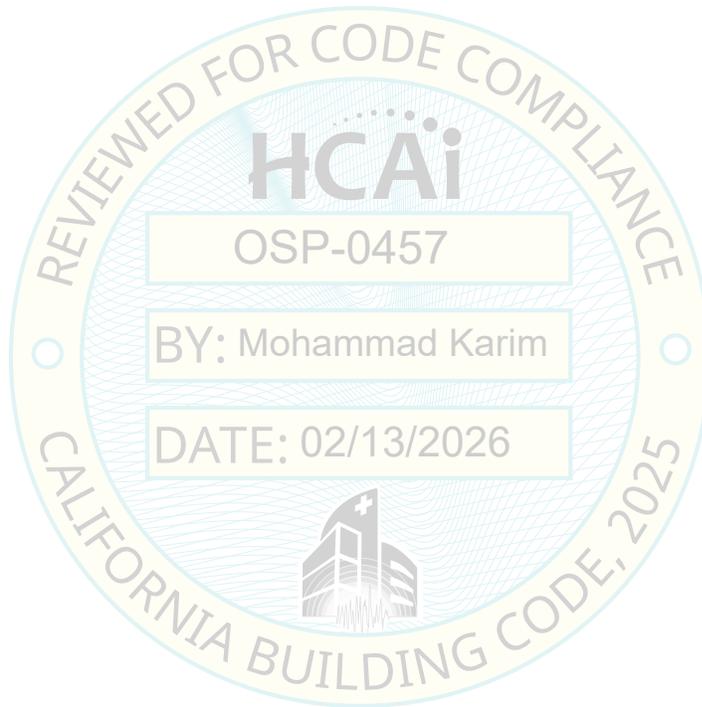
**UNIT UNDER TEST (UUT) Summary Sheet**



**UUT7**

*Options / Component Summary (continued):*

Model Number	Manufacturer	Material
<b>Terminal Block</b>		
102020	Weidmueller	Carbon Steel, Copper, Plastic
<b>Timer</b>		
9T51B0210	GE	Copper, Laminated Electrical Steel
9T58K0055	GE	Copper, Laminated Electrical Steel



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT8

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-015-SP008

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

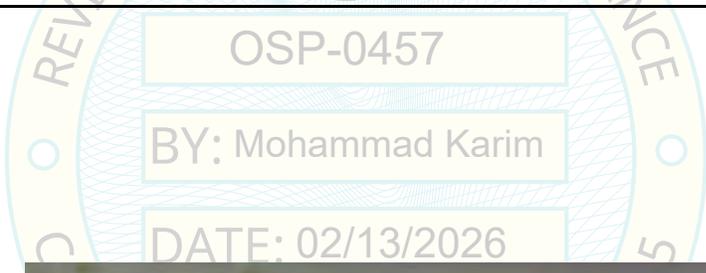
### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
73	9.3	21.4	20	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT8 was mounted to the wall fixture with (4) 1/2" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 18.0" heightwise and 19.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT8

### Options / Component Summary:

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-20SA2208LPPL	Saginaw	Cold Formed Carbon Carbon Steel
<b>Battery</b>		
PS1270	Powersonic	Lead-acid, Plastic
<b>Circuit Breaker Accessories</b>		
SRPE30A15	GE	Carbon Steel, Copper, Plastic
SABAP1	GE	Copper, Plastic
SAST1	GE	Carbon Steel, Copper, Plastic
TCAL18	GE	Copper
FABAM10W	GE	Copper, Plastic
FAUVRJW	GE	Carbon Steel, Copper, Plastic
FCAL12	GE	Carbon Steel, Copper, Plastic
FCAL14	GE	Carbon Steel, Copper, Plastic
TQCFMP3	GE	Copper
BCLF10	GE	Carbon Steel, Copper, Plastic
BCLL20	GE	Carbon Steel, Copper, Plastic
MREBC10AC2	GE	Carbon Steel, Copper, Plastic
RL4RA040T1	GE	Carbon Steel, Copper, Plastic
RMLFD	GE	Carbon Steel, Copper, Plastic
STDA1	GE	Carbon Steel
STDA1	GE	Carbon Steel, Plastic
RT1B	GE	Carbon Steel, Copper, Plastic
TCAL18LV	GE	Copper
TCAL19PD3	GE	Copper
SDOM1A	GE	Carbon Steel, Plastic
<b>Circuit Breakers</b>		
THQC1115WL	GE	Carbon Steel, Copper, Plastic
FBV16TE015R	GE	Carbon Steel, Copper, Plastic
TEB122020WL	GE	Carbon Steel, Copper, Plastic
FCS36TE100R	GE	Carbon Steel, Copper, Plastic
SEHA36AT0030	GE	Carbon Steel, Copper, Plastic
<b>Contact Block</b>		
CR104PXC01F	GE	Copper, Plastic
<b>Contactors</b>		
GPAULRAAJ	GE	Carbon Steel, Copper, Plastic
CL00A310TD	GE	Carbon Steel, Copper, Plastic
GPS1BSAA	GE	Carbon Steel, Copper, Plastic
GPS2BHAK	GE	Carbon Steel, Copper, Plastic
<b>Distribution Blocks</b>		
PDBFS204	Bussman	Carbon Steel, Copper, Plastic
<b>End Stop</b>		
106120	Weidmueller	Plastic

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# UNIT UNDER TEST (UUT) Summary Sheet



UUT8

Options / Component Summary (continued):

Model Number	Manufacturer	Material
<b>Fuse Blocks</b>		
CHM1DU	Bussman	Carbon Steel, Copper, Plastic
JT60030	Bussman	Carbon Steel, Copper, Plastic
<b>Ground Bus</b>		
PK12GTA	Square D	Copper, Tin
<b>Hold Down Clip</b>		
CR420NAS	GE	Carbon Steel, Copper, Plastic
<b>Lugs</b>		
ADR25-21	T-B	Copper
ADR60	T-B	Copper
<b>Neutral Bar</b>		
TNI100	GE	Copper, Plastic
<b>Pilot Devices</b>		
CR104PSG74B91	GE	Carbon Steel, Copper, Plastic
CR104PBG00R1	GE	Carbon Steel, Copper, Plastic
CR104PBG91B2	GE	Carbon Steel, Copper, Plastic
<b>Relay Socket</b>		
CR420NA2	GE	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
ML15.121	Puls	Carbon Steel, Copper, Plastic
<b>Relay</b>		
MCRA040ATJ	GE	Carbon Steel, Copper, Plastic
CR420NPL0222	GE	Carbon Steel, Copper, Plastic
451WFPR1D01	GE	Carbon Steel, Copper, Plastic
<b>Timer</b>		
9T58K0042	GE	Copper, Laminated Electrical Steel

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT10

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-600/1200-SP010

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
484	13.3	37.4	60	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT10 was mounted to the wall fixture with (4) 1/2" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 58.0" heightwise and 35.0" widthwise.

OSP-0457

BY: Mohammad Karim

DATE: 02/13/2026



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT10

### Options / Component Summary:

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-60SA3812LPPL	Saginaw	Cold Formed Carbon Carbon Steel
<b>Battery</b>		
PS1270	Powersonic	Lead-acid, Plastic
<b>Circuit Breaker Accessories</b>		
SRPG600A600	GE	Carbon Steel, Copper, Plastic
SRPK1200A1200	GE	Carbon Steel, Copper, Plastic
SAUV1	GE	Carbon Steel, Copper, Plastic
SAUV3	GE	Carbon Steel, Copper, Plastic
SAUXPAB1	GE	Carbon Steel, Copper, Plastic
TH1	GE	Carbon Steel, Plastic
FAUVRJW	GE	Carbon Steel, Copper, Plastic
CKX03	GE	Copper
CM1CA5F	GE	Plastic
TEDUV1	GE	Carbon Steel, Copper
TQCFMP3	GE	Copper
TQCGFBMPA10	GE	Copper
GPAC02LLA	GE	Carbon Steel, Copper, Plastic
GPAC11LLA	GE	Carbon Steel, Copper, Plastic
BTLF30C	GE	Carbon Steel, Copper, Plastic
BELA02	GE	Carbon Steel, Copper, Plastic
RL4RA040TJ	GE	Carbon Steel, Copper, Plastic
TCAL124	GE	Copper
TCAL40PD3	GE	Aluminum, Copper
TCLK365	GE	Aluminum, Copper, Plastic
CKX01	GE	Copper
TH2	GE	Carbon Steel, Plastic
SGOM2	GE	Carbon Steel, Plastic
SC6H	GE	Copper
FCALK318H	GE	Carbon Steel, Copper, Plastic
SCH2K	GE	Carbon Steel, Copper, Plastic
SCOM1K	GE	Carbon Steel, Plastic
RT5E	GE	Carbon Steel, Copper, Plastic
<b>Circuit Breakers</b>		
EP103ULD63	GE	Carbon Steel, Copper, Plastic
THQC32100WL	GE	Carbon Steel, Copper, Plastic
SGHA36AT0600	GE	Carbon Steel, Copper, Plastic
THED136150WL	GE	Carbon Steel, Copper, Plastic
FGN36DB25OLF	GE	Carbon Steel, Copper, Plastic
SKHA36AT1200	GE	Carbon Steel, Copper, Plastic
<b>Current Transformer</b>		
2SFT-500	GE	Carbon Steel, Copper, Plastic
WR70X175S	Bender	Carbon Steel, Copper, Plastic

Continued on next page

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT10

### Options / Component Summary (continued):

Model Number	Manufacturer	Material
<b>Contact Block</b>		
P9B01VN	GE	Copper, Plastic
P9B10VN	GE	Copper, Plastic
CR104PXC01F	GE	Copper, Plastic
<b>Contactors</b>		
GPAE11LLA	GE	Carbon Steel, Copper, Plastic
GPS1BHAR	GE	Carbon Steel, Copper, Plastic
CL10A311MJ	GE	Carbon Steel, Copper, Plastic
GPS2BHAU	GE	Carbon Steel, Copper, Plastic
CK12BE311D	GE	Carbon Steel, Copper, Plastic
CK75CE311D	GE	Carbon Steel, Copper, Plastic
<b>Diode</b>		
1N4007	Vishay	Silicon, Copper, Tin
NTE5802	NTE	Silicon, Copper, Tin
<b>Distribution Blocks</b>		
PDBFS330	Bussman	Carbon Steel, Copper, Plastic
PDBFS504	Bussman	Carbon Steel, Copper, Plastic
<b>End Barrier</b>		
105000	Weidmueller	Plastic
<b>End Stop</b>		
106120	Weidmueller	Plastic
<b>Fuse Blocks</b>		
CHCC3DU	Bussman	Carbon Steel, Copper, Plastic
CHM1DU	Bussman	Carbon Steel, Copper, Plastic
JTN60060	Bussman	Carbon Steel, Copper, Plastic
JM60400-1CR	Bussman	Carbon Steel, Copper, Plastic
JM60600-1CR	Bussman	Carbon Steel, Copper, Plastic
<b>Fuses</b>		
LPJ60SP	Bussman	Copper
LPJ600SP	Bussman	Copper
LPJ400SP	Bussman	Copper
<b>Ground Bus</b>		
TGK42	GE	Aluminum, Copper
TGL8	GE	Aluminum, Copper
<b>Hold Down Clip</b>		
CR420MAS	GE	Carbon Steel, Copper, Plastic
CR420NAS	GE	Carbon Steel, Copper, Plastic
<b>Limit Switch</b>		
GLDB01A2A	Honeywell	Carbon Steel, Copper, Plastic
<b>Lugs</b>		
ADR25-21	T-B	Copper
<b>Name Plate</b>		
P9ASTBS	GE	Plastic

Continued on next page

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT10

### Options / Component Summary (continued):

Model Number	Manufacturer	Material
<b>PCL Module</b>		
SG212CRD	TECO	Carbon Steel, Copper, Plastic
<b>Neutral Bar</b>		
TNIA1200	GE	Copper, Plastic
<b>Pilot Devices</b>		
P9PTNVJLB	GE	Plastic, Copper
CR104PSG74B91	GE	Carbon Steel, Copper, Plastic
P9SEM3RN	GE	Plastic, Copper
P9SPLBGD	GE	Plastic, Copper
CR104PBG00R1	GE	Carbon Steel, Copper, Plastic
CR104PBG91B2	GE	Carbon Steel, Copper, Plastic
<b>Power Meter</b>		
ACUVIM-IIW-M-5A-P1-AXM-NET	Accuenergy	Carbon Steel, Copper, Plastic
SHARK 100-200	ELECTRO SW	Carbon Steel, Copper, Plastic
<b>Rectifier</b>		
SD-300	Bevco	Carbon Steel, Copper, Plastic
<b>Relay Socket</b>		
CR420NA2	GE	Carbon Steel, Copper, Plastic
CR420NA4	GE	Carbon Steel, Copper, Plastic
SY4S-05	IDEC	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
PSB24-060S-3	RHINO	Carbon Steel, Copper, Plastic
ML15.121	Puls	Carbon Steel, Copper, Plastic
<b>Relay</b>		
MCRA040ATJ	GE	Carbon Steel, Copper, Plastic
CR420NPL0222	GE	Carbon Steel, Copper, Plastic
CR420NPL044J	GE	Carbon Steel, Copper, Plastic
451WFPR1D01	GE	Carbon Steel, Copper, Plastic
RY4S-UDC12V	IDEC	Carbon Steel, Copper, Plastic
<b>Terminal Block</b>		
102020	Weidmueller	Carbon Steel, Copper, Plastic
1KUGS-IKU-6-S 300V	GE	Copper, Plastic
<b>Timer</b>		
9T51B0210	GE	Copper, Laminated Electrical Steel
9T58K0055	GE	Copper, Laminated Electrical Steel

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT11

**Datasyst Repot Number:** B103-17034-R2

**Test Dates:** 11/23/15 - 12/14/15

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-030/100/250/400-SP011

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

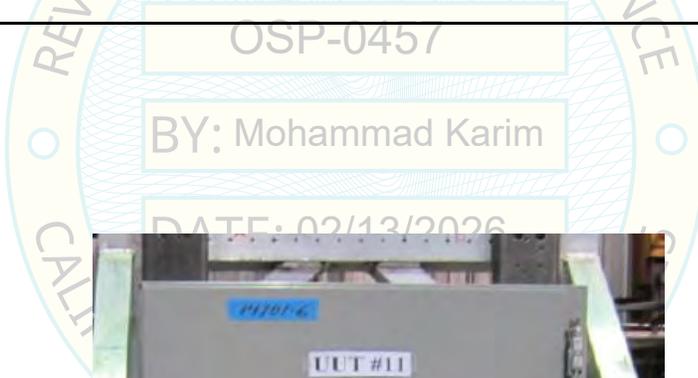
### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
264	9.3	37.4	48	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.77	1.0	3.5	1.3	1.5	4.43	3.32	N/A	N/A
	AC156-24	2.77	0.0	1.0	1.0		N/A	N/A	1.86	0.75

**Unit Mounting Description:** UUT11 was mounted to the wall fixture with (4) 1/2" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 46.0" heightwise and 35.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT11**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-48SA3808LPPL	Saginaw	Cold Formed Carbon Carbon Steel
<b>Battery</b>		
PS1270	Powersonic	Lead-acid, Plastic
<b>Circuit Breaker Accessories</b>		
SRPE30A30	GE	Carbon Steel, Copper, Plastic
SRPE100A80	GE	Carbon Steel, Copper, Plastic
SRPF250A200	GE	Carbon Steel, Copper, Plastic
SRPG400A250	GE	Carbon Steel, Copper, Plastic
SAUV1	GE	Carbon Steel, Copper, Plastic
SCH2	GE	Carbon Steel, Plastic
TCAL18	GE	Copper
TCAL29	GE	Copper
TCAL18LV	GE	Copper
TCAL19PD3	GE	Copper
TCLK365	GE	Aluminum, Copper, Plastic
SCOM1G	GE	Carbon Steel, Plastic
SC5L	GE	Copper
SC6H	GE	Copper
<b>Circuit Breakers</b>		
EP101ULC01	GE	Carbon Steel, Copper, Plastic
EP101ULC03	GE	Carbon Steel, Copper, Plastic
SEHA36AT0030	GE	Carbon Steel, Copper, Plastic
SEHA36AT0100	GE	Carbon Steel, Copper, Plastic
SFHA36AT0250	GE	Carbon Steel, Copper, Plastic
SGHA36AT0400	GE	Carbon Steel, Copper, Plastic
<b>Compression Lug</b>		
LCA638L	Panduit	Copper, Tin
<b>Contact Block</b>		
P9B01VN	GE	Copper, Plastic
P9B10VN	GE	Copper, Plastic
<b>Contactors</b>		
CL02A310TJ	GE	Carbon Steel, Copper, Plastic
<b>Current Transformer</b>		
W3S105	Bender	Carbon Steel, Copper, Plastic
WR70X176S	Bender	Carbon Steel, Copper, Plastic
CT203-600-5	Accuenergy	Carbon Steel, Copper, Plastic
<b>Diode</b>		
1N4007	Vishay	Silicon, Copper, Tin
<b>End Barrier</b>		
105000	Weidmueller	Plastic
<b>End Stop</b>		
106120	Weidmueller	Plastic

Continued on next page

# UNIT UNDER TEST (UUT) Summary Sheet



UUT11

Options / Component Summary (continued):

Model Number	Manufacturer	Material
<b>Fuse Blocks</b>		
CCMR002	Littelfuse	Copper
CHCC1DU	Bussman	Carbon Steel, Copper, Plastic
CHCC2DU	Bussman	Carbon Steel, Copper, Plastic
<b>Ground Bus</b>		
PK12GTA	Square D	Copper, Tin
<b>Ground Fault Monitor</b>		
RCM420D2	Bender	Carbon Steel, Copper, Plastic
<b>Jumper</b>		
105236	Weidmueller	Carbon Steel, Copper, Plastic
<b>Lugs</b>		
ADR25-21	T-B	Copper
ADR35	T-B	Copper
<b>Name Plate</b>		
P9ASTBS	GE	Plastic
<b>Neutral Bar</b>		
TNIA400	GE	Copper, Plastic
<b>Pilot Devices</b>		
PNPDNVJLV	GE	Plastic, Copper
P9SLVD	GE	Plastic, Copper
P9XPNRS	GE	Plastic, Copper
<b>Power Meter</b>		
ACUVIM-IIW-D-5A-P1-AXM-NET	Accuenergy	Carbon Steel, Copper, Plastic
EPM6000E	GE	Plastic, Copper
<b>Relay Socket</b>		
SY4S-05	IDEC	Carbon Steel, Copper, Plastic
SY4S-51F1	IDEC	Carbon Steel
<b>Power Supply</b>		
ML15.121	Puls	Carbon Steel, Copper, Plastic
<b>Relay</b>		
RY4S-UDC12V	IDEC	Carbon Steel, Copper, Plastic
<b>Telephone Cabinet</b>		
1212TCF	Saginaw	Carbon Steel, Copper, Plastic
<b>Terminal Block</b>		
101010	Weidmueller	Carbon Steel, Copper, Plastic
102010	Weidmueller	Carbon Steel, Copper, Plastic
<b>Timer</b>		
9T58E0506	GE	Copper, Laminated Electrical Steel

# UNIT UNDER TEST (UUT) Summary Sheet



**UUT12**

**NTS Repot Number / UUT Designation on Report:** PR067247-2 / UUT1

**Test Dates:** 8/15/17 - 8/17/17

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-025-SP012

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

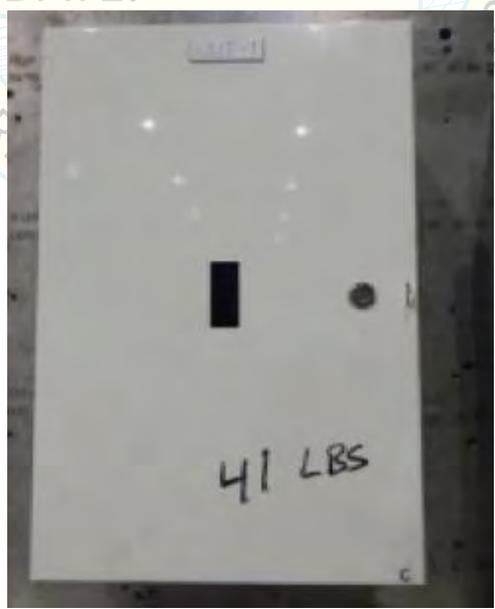
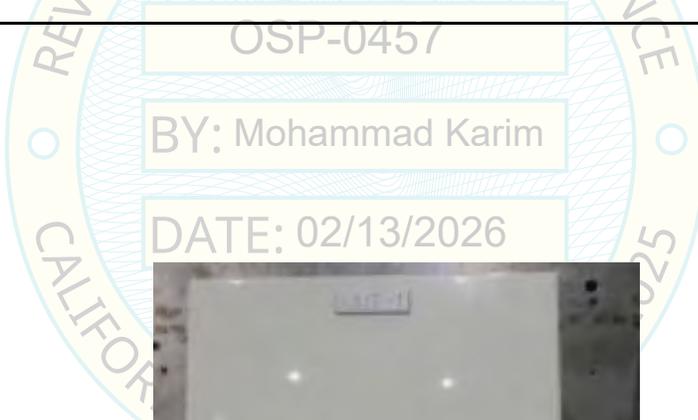
**UUT Properties**

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
41	6	16	24	N/A	N/A	N/A

**Seismic Test Parameters**

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	3.07	1.0	3.5	1.3	1.5	4.91	3.68	N/A	N/A
	AC156-24	3.07	0.0	1.0	1.0		N/A	N/A	2.06	0.83

**Unit Mounting Description:** UUT12 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 22.0" heightwise and 14.0" widthwise.



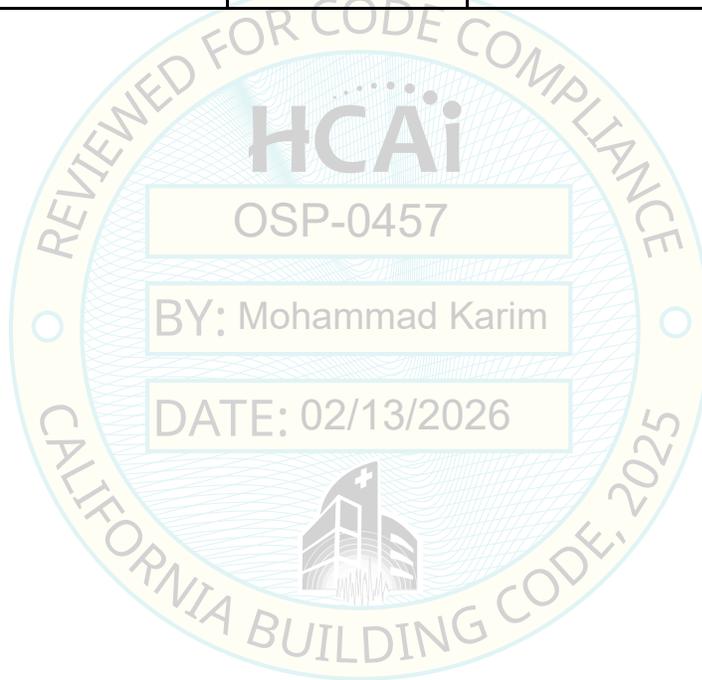
**UNIT UNDER TEST (UUT) Summary Sheet**



**UUT12**

*Options / Component Summary:*

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-24N1506LP	Saginaw	Cold Formed Carbon Carbon Steel
<b>Battery</b>		
UB1270	Universal Power	Lead-acid, Plastic
<b>Circuit Breakers</b>		
PEBC2ATSB0025	GE	Carbon Steel, Copper, Plastic
<b>Lugs</b>		
FETCA630A	GE	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
1469530000	Weidmueller	Carbon Steel, Copper, Plastic



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT13**

**NTS Repot Number / UUT Designation on Report:** PR067247-2 / UUT2

**Test Dates:** 8/15/17 - 8/17/17

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-250/600-SP013

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

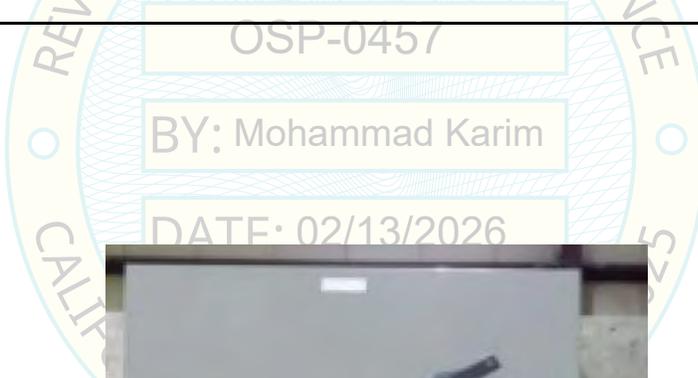
**UUT Properties**

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
137	12	30	36	N/A	N/A	N/A

**Seismic Test Parameters**

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	3.09	1.0	3.5	1.3	1.5	4.94	3.71	N/A	N/A
	AC156-24	3.09	0.0	1.0	1.0		N/A	N/A	2.07	0.83

**Unit Mounting Description:** UUT13 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 34.0" heightwise and 28.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT13**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-36N3012LP	Saginaw	Cold Formed Carbon Carbon Steel
<b>Aux Contact</b>		
CAL4-11	ABB	Carbon Steel, Copper, Plastic
<b>Circuit Breaker Accessories</b>		
1SVR500150R0000	ABB	Carbon Steel, Copper, Plastic
KXT1CU-3PC	ABB	Copper
OHB65110B	ABB	Carbon Steel, Plastic
KXTBRHEBFP	ABB	Carbon Steel, Plastic
M9V11263	Square D	Carbon Steel, Copper, Plastic
<b>Circuit Breakers</b>		
SU201M-K05	ABB	Carbon Steel, Copper, Plastic
F202AS-63/0.1	ABB	Carbon Steel, Copper, Plastic
XT1NU3015AFF000XXX	ABB	Carbon Steel, Copper, Plastic
M9F43170	Square D	Carbon Steel, Copper, Plastic
M9F23170	Square D	Carbon Steel, Copper, Plastic
BGL36015	Square D	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
WA4-13	ABB	Carbon Steel, Copper, Plastic
AF09-30-10-11	ABB	Carbon Steel, Copper, Plastic
CAD32BD	Square D	Carbon Steel, Copper, Plastic
LC1D09BNE	Square D	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
CP1-11G-10	ABB	Carbon Steel, Copper, Plastic
CE4T-10R-02	ABB	Carbon Steel, Copper, Plastic
CL2-502G	ABB	Carbon Steel, Copper, Plastic
C2SS2-10B-20	ABB	Carbon Steel, Copper, Plastic
M2SS2-11C	ABB	Carbon Steel, Copper, Plastic
OL40U3PB	ABB	Carbon Steel, Copper, Plastic
9001KP5G9	Square D	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
2637060000.00	Weidmueller	Carbon Steel, Copper, Plastic
1370050010.00	Weidmueller	Carbon Steel, Copper, Plastic
1251070000.00	Weidmueller	Carbon Steel, Copper, Plastic
<b>Relay</b>		
PRC1T20CDL	Square D	Carbon Steel, Copper, Plastic
RE17RAMU	Square D	Carbon Steel, Copper, Plastic
<b>Surge Suppressor</b>		
2CTB802341R3300	ABB	Carbon Steel, Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT14

**NTS Repot Number / UUT Designation on Report:** PR067247-2 / UUT3

**Test Dates:** 8/15/17 - 8/17/17

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-025/250-SP014

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

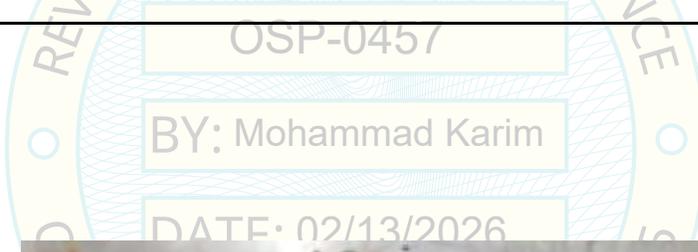
### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
77	8	22	20	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	3.07	1.0	3.5	1.3	1.5	4.91	3.68	N/A	N/A
	AC156-24	3.07	0.0	1.0	1.0		N/A	N/A	2.06	0.83

**Unit Mounting Description:** UUT14 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 18.0" heightwise and 20.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT14

### Options / Component Summary:

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-20SA2208LPPL	Saginaw	Cold Formed Carbon Carbon Steel
<b>Circuit Breaker Accessories</b>		
3RP2511-1AW30	Siemens	Silver Alloy, Plastic
5SM2322-6	Siemens	Copper, Plastic
3VA9137-0FK31	Siemens	Carbon Steel, Plastic
<b>Circuit Breakers</b>		
5SY4101-7	Siemens	Carbon Steel, Copper, Plastic
3VA5195-5ED31-0AA0	Siemens	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
3RH2440-1BB40	Siemens	Carbon Steel, Copper, Plastic
3RT2015-2BB41	Siemens	Carbon Steel, Copper, Plastic
3RT2023-1BB40	Siemens	Carbon Steel, Copper, Plastic
<b>Current Transformer</b>		
9T58K3164	GE	Carbon Steel, Copper, Plastic
<b>Fuse Blocks</b>		
CHCC2DU	Bussman	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
3SU1002-2BL30-0AA0	Siemens	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
6EP1333-3BA10	Siemens	Carbon Steel, Copper, Plastic
6720005420	Weidmueller	Carbon Steel, Copper, Plastic
<b>Surge Suppressor</b>		
2591360000	Weidmuller	Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT15

**NTS Repot Number / UUT Designation on Report:** PR067247-2 / UUT4

**Test Dates:** 8/15/17 - 8/17/17

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-250/600-SP015

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
247	12	38	60	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.76	1.0	3.5	1.3	1.5	4.42	3.31	N/A	N/A
	AC156-24	2.76	0.0	1.0	1.0		N/A	N/A	1.85	0.75

**Unit Mounting Description:** UUT15 was mounted to the wall fixture with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 58.0" heightwise and 36.0" widthwise.

OSP-0457

BY: Mohammad Karim



# UNIT UNDER TEST (UUT) Summary Sheet



UUT15

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-60SA3812LPPL	Saginaw	Cold Formed Carbon Carbon Steel
<b>Circuit Breaker Accessories</b>		
1SVR500150R0000	ABB	Carbon Steel, Copper, Plastic
OHB65J10B	ABB	Carbon Steel, Plastic
KXTBRHEBFP	ABB	Carbon Steel, Plastic
3RP2511-1AW30	Siemens	Silver Alloy, Plastic
5SM2322-6	Siemens	Copper, Plastic
3VA9137-0FK31	Siemens	Carbon Steel, Plastic
<b>Circuit Breakers</b>		
SU201M-K63	ABB	Carbon Steel, Copper, Plastic
F202AC-40/0.03	ABB	Carbon Steel, Copper, Plastic
XT4NU3250AFF000XXX	ABB	Carbon Steel, Copper, Plastic
XT5U340ABFF000XXX	ABB	Carbon Steel, Copper, Plastic
5SY4111-7	Siemens	Carbon Steel, Copper, Plastic
M9F43335	Square D	Carbon Steel, Copper, Plastic
M9F23363	Square D	Carbon Steel, Copper, Plastic
JGL36250	Square D	Carbon Steel, Copper, Plastic
MGL36400	Square D	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
AF205-30-11-14	ABB	Carbon Steel, Copper, Plastic
CAD32BD	Square D	Carbon Steel, Copper, Plastic
LC1F265	Square D	Carbon Steel, Copper, Plastic
<b>Current Transformer</b>		
9T58K3164	GE	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
CE4T10R02	ABB	Carbon Steel, Copper, Plastic
CP1-11G-10	ABB	Carbon Steel, Copper, Plastic
C2SS2-10B-20	ABB	Carbon Steel, Copper, Plastic
M2SS2-11C	ABB	Carbon Steel, Copper, Plastic
OL40U3PB	ABB	Carbon Steel, Copper, Plastic
3SU1002-2BL30-0AA0	Siemens	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
6EP1333-3BA10	Siemens	Carbon Steel, Copper, Plastic
6720005420	Weidmueller	Carbon Steel, Copper, Plastic
2637060000	Weidmueller	Carbon Steel, Copper, Plastic
1370050010	Weidmueller	Carbon Steel, Copper, Plastic
1251070000	Weidmueller	Carbon Steel, Copper, Plastic
<b>Relay</b>		
PRC1T20CDL	Square D	Carbon Steel, Copper, Plastic
3RH2262-1BB40	Siemens	Carbon Steel, Copper, Plastic
<b>Surge Suppressor</b>		
2591360000	Weidmuller	Copper, Plastic
2CTB802346R2500	ABB	Copper, Plastic
2CTB802346R3300	ABB	Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT16

**NTS Repot Number / UUT Designation on Report:** PR067247-2 / UUT5

**Test Dates:** 8/15/17 - 8/17/17

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-125-SP016

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
47	6	16	24	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	3.07	1.0	3.5	1.3	1.5	4.91	3.68	N/A	N/A
	AC156-24	3.07	0.0	1.0	1.0		N/A	N/A	2.06	0.83

**Unit Mounting Description:** UUT16 was mounted with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 22.0" heightwise and 14.0" widthwise.

OSP-0457

BY: Mohammad Karim



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT16

### Options / Component Summary:

Model Number	Manufacturer	Material
<b>Enclosures</b>		
1100 241606, 241606-SD	EXM	Cold Formed Carbon Carbon Steel
<b>Circuit Breakers</b>		
EP101ULHD03	GE	Carbon Steel, Copper, Plastic
<b>Compression Lug</b>		
LCA6-14-L	Panduit	Copper, Tin
<b>Contactors</b>		
CL10A311MU	GE	Carbon Steel, Copper, Plastic
<b>Distribution Blocks</b>		
PDBFS204	Bussman	Carbon Steel, Copper, Plastic
<b>End Barrier</b>		
105000	Weidmueller	Plastic
<b>End Stop</b>		
106120	Weidmueller	Plastic
<b>Fuse Blocks</b>		
CHCC2DU	Bussman	Carbon Steel, Copper, Plastic
<b>Fuses</b>		
FNQR1.5	Bussman	Copper
<b>Ground Bus</b>		
TGL3	GE	Aluminum, Copper
<b>Lugs</b>		
ADR11-21	T-B	Copper
<b>Pilot Devices</b>		
080BA9S24LB	GE	Plastic, Copper
080BA9S24LV	GE	Carbon Steel, Plastic, Copper
080BA9S120LV	GE	Carbon Steel, Plastic, Copper
<b>Power Supply</b>		
1469530000	Weidmueller	Carbon Steel, Copper, Plastic
<b>Relay</b>		
RL4RD040TD	GE	Carbon Steel, Copper, Plastic
MCRC022ATD	GE	Carbon Steel, Copper, Plastic
<b>Terminal Block</b>		
101020	Weidmueller	Carbon Steel, Copper, Plastic
102020	Weidmueller	Carbon Steel, Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



**UUT17**

**NTS Repot Number / UUT Designation on Report:** PR067247-2 / UUT6

**Test Dates:** 8/15/17 - 8/17/17

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-125-SP017

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

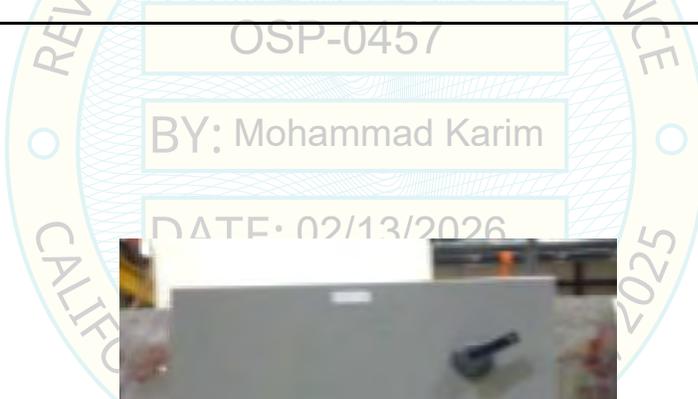
**UUT Properties**

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
164	12	30	36	N/A	N/A	N/A

**Seismic Test Parameters**

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	3.09	1.0	3.5	1.3	1.5	4.94	3.71	N/A	N/A
	AC156-24	3.09	0.0	1.0	1.0		N/A	N/A	2.07	0.83

**Unit Mounting Description:** UUT17 was mounted with (4) 3/8" diameter grade 5 bolts, washers and nuts. The mounting locations were spaced approximately 34.0" heightwise and 28.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT17**

*Options / Component Summary:*

Model Number	Manufacturer	Material
<b>Enclosures</b>		
1100 363012, 363012-SD	EXM	Cold Formed Carbon Carbon Steel
<b>Battery</b>		
PS1270	Powersonic	Lead-acid, Plastic
UB1270	Universal Power	Lead-acid, Plastic
<b>Circuit Breakers</b>		
EP103ULH2D05	GE	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
CK75CE311Y	GE	Carbon Steel, Copper, Plastic
<b>Distribution Blocks</b>		
PDBFS303	Bussman	Carbon Steel, Copper, Plastic
<b>Fuse Blocks</b>		
CHCC3DU	Bussman	Carbon Steel, Copper, Plastic
<b>Lugs</b>		
LCA2-56-Q	Panduit	Copper
ADR25-21	T-B	Copper
<b>Power Supply</b>		
ML15.241	Puls	Carbon Steel, Copper, Plastic
<b>Relay</b>		
MCRC022ATD	GE	Carbon Steel, Copper, Plastic
<b>Timer</b>		
MREBC10AC2	GE	Copper, Plastic
9T58K0042	GE	Copper, Laminated Electrical Steel
9T58K0052	GE	Copper, Laminated Electrical Steel

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT18

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-015-SP018

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
58	7	16	24	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT18 was mounted using 3/8" diameter grade 5 bolts, circular washers, 3"x3"x3/8" carbon steel plate washers and channel nuts. The UUT was bolted to the wall fixture through the interior corners of the enclosure. The bolts were spaced 22.5" heightwise and 14.5" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT18**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-24N1606LP	Saginaw	Cold Formed Carbon Carbon Steel
<b>Aux Contact</b>		
CAL4-11	ABB	Carbon Steel, Copper, Plastic
<b>Circuit Breaker Accessories</b>		
KXT1CU-3PC	ABB	Copper
KXTFYOB	ABB	Copper, Plastic
KXTASORCFPB	ABB	Copper, Aluminum, Plastic
OHB125J10B	ABB	Carbon Steel, Plastic
KXTBRHESTFP	ABB	Zinc, Carbon Steel, Plastic
OXF10X225	ABB	Carbon Steel
KXTBMOD24	ABB	Carbon Steel, Copper, Plastic
LV426950	Square D	Carbon Steel, Silver, Plastic
LV426967	Square D	Tin, Aluminum
LV426974	Square D	Tin, Aluminum
PDC6BD6	Square D	Aluminum, Copper
LV426841	Square D	Carbon Steel, Copper, Plastic
LV426801	Square D	Carbon Steel, Copper, Plastic
M9V11263	Square D	Carbon Steel, Copper, Plastic
<b>Circuit Breakers</b>		
SU201M-K05	ABB	Carbon Steel, Copper, Plastic
SU201M-K63	ABB	Carbon Steel, Copper, Plastic
F202AS-63/0.1	ABB	Carbon Steel, Copper, Plastic
F202AC-40/0.03	ABB	Carbon Steel, Copper, Plastic
XT1NU3015AFF000XXX	ABB	Carbon Steel, Copper, Plastic
M9F43170	Square D	Carbon Steel, Copper, Plastic
M9F23170	Square D	Carbon Steel, Copper, Plastic
BGL36015	Square D	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
WA4-13	ABB	Carbon Steel, Copper, Plastic
AF09-30-10-11	ABB	Carbon Steel, Copper, Plastic
3RH2440-1BB40	Siemens	Carbon Steel, Copper, Plastic
CAD32BD	Square D	Carbon Steel, Copper, Plastic
LC1D09BNE	Square D	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
CP1-11G-10	ABB	Carbon Steel, Copper, Plastic
CE4T-10R-02	ABB	Carbon Steel, Copper, Plastic
CL2-502G	ABB	Carbon Steel, Copper, Plastic
C2SS2-10B-20	ABB	Carbon Steel, Copper, Plastic
M2SS2-11C	ABB	Carbon Steel, Copper, Plastic
OL40U3PB	ABB	Carbon Steel, Copper, Plastic
9001KP5G9	Square D	Carbon Steel, Copper, Plastic

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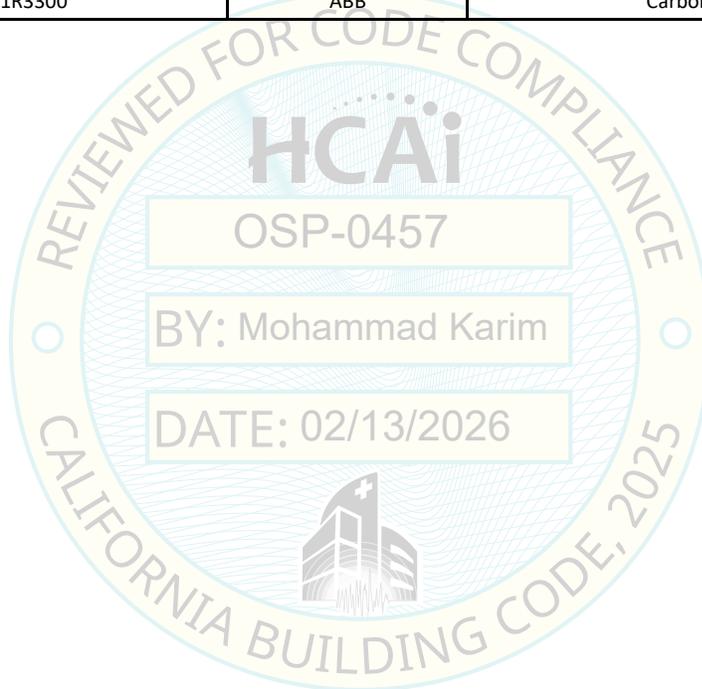
**UNIT UNDER TEST (UUT) Summary Sheet**



**UUT18**

*Options / Component Summary (continued):*

Model Number	Manufacturer	Material
<b>Power Supply</b>		
2637060000	Weidmueller	Carbon Steel, Copper, Plastic
1370050010	Weidmueller	Carbon Steel, Copper, Plastic
1251070000	Weidmueller	Carbon Steel, Copper, Plastic
6720005420	Weidmueller	Carbon Steel, Copper, Plastic
<b>Relay</b>		
PRC1T20CDL	Square D	Carbon Steel, Copper, Plastic
RE17RAMU	Square D	Carbon Steel, Copper, Plastic
<b>Surge Suppressor</b>		
2CTB802341R3300	ABB	Carbon Steel, Copper, Plastic



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT19

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-015-SP019

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

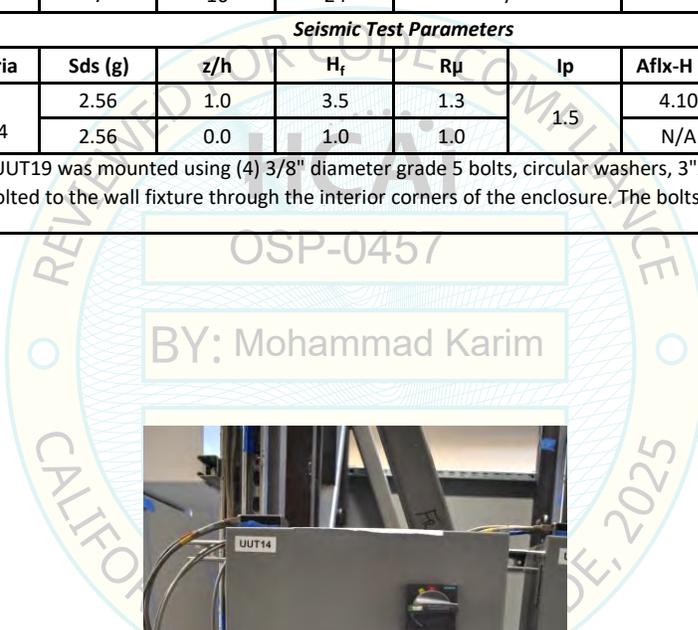
### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
45	7	16	24	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>r</sub>	R <sub>μ</sub>	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT19 was mounted using (4) 3/8" diameter grade 5 bolts, circular washers, 3"x3"x3/8" carbon steel plate washers and channel nuts. The UUT was bolted to the wall fixture through the interior corners of the enclosure. The bolts were spaced 22.5" heightwise and 14.5" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT19

### Options / Component Summary:

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-24N1606LP	Saginaw	Cold Formed Carbon Carbon Steel
<b>Circuit Breaker Accessories</b>		
3VA99780AB12	Siemens	Copper, Plastic
3VA9978-0BB11	Siemens	Carbon Steel, Copper, Plastic
3VA9978-0BL30	Siemens	Carbon Steel, Copper, Plastic
3VA9978-0AA12	Siemens	Carbon Steel, Copper, Plastic
5SM2322-6	Siemens	Copper, Plastic
3VA9133-0JG11	Siemens	Copper
3VA9133-0JF68	Siemens	Copper
3VA9137-0FK31	Siemens	Carbon Steel, Plastic
<b>Circuit Breakers</b>		
5SY1017	Siemens	Carbon Steel, Copper, Plastic
3VA5195-5ED31-0AA0	Siemens	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
3RT2015-2BB41	Siemens	Carbon Steel, Copper, Plastic
3RT2023-1BB40	Siemens	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
3SU1102-0AB40-3BA0	Siemens	Carbon Steel, Copper, Plastic
3SU1100-0AB20-3CA0	Siemens	Carbon Steel, Copper, Plastic
3SU1500-0AA10-0AA0	Siemens	Carbon Steel, Copper, Plastic
3SU1002-2BL30-0AA0	Siemens	Carbon Steel, Copper, Plastic
HW1P-2FT8DG	IDEC	Plastic
<b>Relay</b>		
3RH2262-1BB40	Siemens	Carbon Steel, Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT20

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV208/480-400-SP020

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

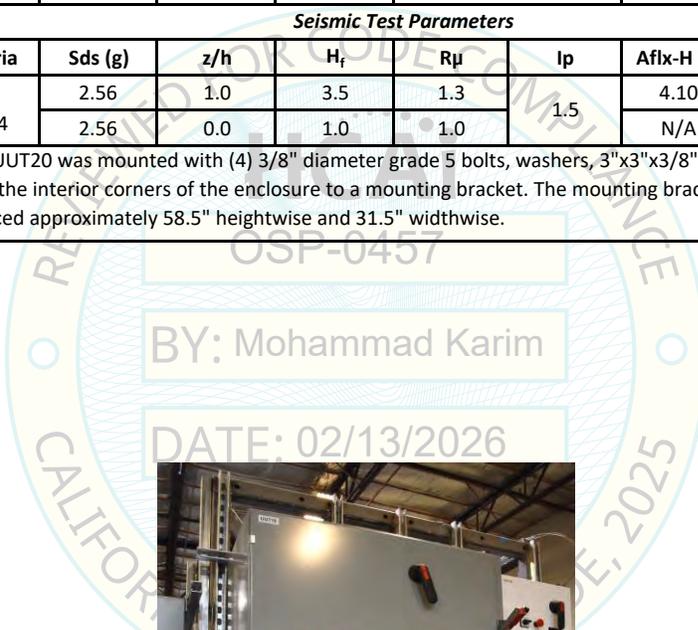
### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
387	17	36	60	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT20 was mounted with (4) 3/8" diameter grade 5 bolts, washers, 3"x3"x3/8" carbon steel plate washers, and channel nuts. The UUT was bolted at the interior corners of the enclosure to a mounting bracket. The mounting bracket was bolted to the wall fixture. The mounting locations were spaced approximately 58.5" heightwise and 31.5" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT20**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
SCE-60SA3812LPPL	Saginaw	Cold Formed Carbon Carbon Steel
<b>Aux Contact</b>		
CAL4-11	ABB	Carbon Steel, Copper, Plastic
<b>Circuit Breaker Accessories</b>		
KXT4CU-3PC	ABB	Copper
KXTAUVR1	ABB	Copper, Aluminum, Plastic
KXTAAXCDQSYFP	ABB	Carbon Steel, Copper, Plastic
OHB125J10B	ABB	Carbon Steel, Plastic
KXTCRHEBFP	ABB	Carbon Steel, Plastic
KXT5RHESTH	ABB	Carbon Steel, Plastic
KXTHRHETR	ABB	Carbon Steel, Plastic
KXT5RHEBFP	ABB	Carbon Steel, Plastic
EXP10X225	ABB	Carbon Steel
KXT5EF-3PC	ABB	Copper
KXT1N12FLHDL4	ABB	Zinc, Cold Rolled Steel, Plastic
3RP2511-1AW30	Siemens	Silver Alloy, Plastic
5SM2322-6	Siemens	Copper, Plastic
3VA9373-0JG13	Siemens	Copper
3VA9373-0JF68	Siemens	Copper
S29450	Square D	Silver, Plastic, Carbon Steel
S37424	Square D	Silver, Copper
S29384	Square D	Copper, Plastic
S29404	Square D	Carbon Steel, Copper, Plastic
S31543	Square D	Carbon Steel, Copper, Plastic
S29338	Square D	Carbon Steel, Copper, Plastic
PDC6P20	Square D	Aluminum, Copper
<b>Circuit Breakers</b>		
SU201M-K63	ABB	Carbon Steel, Copper, Plastic
F202AC-40/0.03	ABB	Carbon Steel, Copper, Plastic
XT4NU3250AFF000XXX	ABB	Carbon Steel, Copper, Plastic
XT5U340ABFF000XXX	ABB	Carbon Steel, Copper, Plastic
5SY4111-7	Siemens	Carbon Steel, Copper, Plastic
3VA6440-5HL31-0AA0	Siemens	Carbon Steel, Copper, Plastic
M9F43335	Square D	Carbon Steel, Copper, Plastic
M9F23363	Square D	Carbon Steel, Copper, Plastic
JGL36250	Square D	Carbon Steel, Copper, Plastic
MGL36400	Square D	Carbon Steel, Copper, Plastic
<b>Relay</b>		
PRC1T20CDL	Square D	Carbon Steel, Copper, Plastic
RE17RAMU	Square D	Carbon Steel, Copper, Plastic
3RH2262-1BB40	Siemens	Carbon Steel, Copper, Plastic

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# UNIT UNDER TEST (UUT) Summary Sheet



## UUT20

Options / Component Summary (continued):

Model Number	Manufacturer	Material
<b>Contactors</b>		
AF205-30-11-14	ABB	Carbon Steel, Copper, Plastic
3RH2440-1BB40	Siemens	Carbon Steel, Copper, Plastic
3RT1065-6AF35	Siemens	Carbon Steel, Copper, Plastic
CAD32BD	Square D	Carbon Steel, Copper, Plastic
LC1F265	Square D	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
CP1-11G-10	ABB	Carbon Steel, Copper, Plastic
CE4T-10R-02	ABB	Carbon Steel, Copper, Plastic
CL2-502G	ABB	Carbon Steel, Copper, Plastic
C2SS2-10B-20	ABB	Carbon Steel, Copper, Plastic
M2SS2-11C	ABB	Carbon Steel, Copper, Plastic
OL40U3PB	ABB	Carbon Steel, Copper, Plastic
3SU1102-0AB40-3BA0	Siemens	Carbon Steel, Copper, Plastic
3SU1100-0AB20-3CA0	Siemens	Carbon Steel, Copper, Plastic
3SU1500-0AA10-0AA0	Siemens	Carbon Steel, Copper, Plastic
3SU1002-2BL30-0AA0	Siemens	Carbon Steel, Copper, Plastic
HW1P-2FT8DG	IDEC	Plastic
9001KP5G9	Square D	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
6720005420	Weidmueller	Carbon Steel, Copper, Plastic
2637060000	Weidmueller	Carbon Steel, Copper, Plastic
1370050010	Weidmueller	Carbon Steel, Copper, Plastic
1251070000	Weidmueller	Carbon Steel, Copper, Plastic
<b>Timer</b>		
Q1C5DTCF	Hammond	Copper, Laminated Electrical Steel
<b>Surge Suppressor</b>		
2CTB802341R3300	ABB	Carbon Steel, Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT21

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV480-015-SP021

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
58	7	16	24	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT21 was mounted using (4) 3/8" diameter grade 5 bolts, circular washers, 3"x3"x3/8" carbon steel plate washers and channel nuts. The UUT was bolted to the wall fixture through the interior corners of the enclosure. The bolts were spaced 22.5" heightwise and 14.5" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT21

### Options / Component Summary:

Model Number	Manufacturer	Material
<b>Enclosures</b>		
17-039464A, 039464A-SD	EXM	Cold Formed Carbon Carbon Steel
<b>Aux Contact</b>		
CAL4-11	ABB	Carbon Steel, Copper, Plastic
<b>Circuit Breaker Accessories</b>		
1SVR500150R0000	ABB	Carbon Steel, Copper, Plastic
KXT1CU-3PC	ABB	Copper
KXTFYOB	ABB	Copper, Plastic
KXTASORCFPB	ABB	Copper, Aluminum, Plastic
OHB125J10B	ABB	Carbon Steel, Plastic
KXTBRHESTFP	ABB	Zinc, Carbon Steel, Plastic
OXPI0X225	ABB	Carbon Steel
KXTBMOD24	ABB	Carbon Steel, Copper, Plastic
LV426950	Square D	Carbon Steel, Silver, Plastic
LV426967	Square D	Tin, Aluminum
LV426974	Square D	Tin, Aluminum
PDC6BD6	Square D	Aluminum, Copper
LV426841	Square D	Carbon Steel, Copper, Plastic
LV426801	Square D	Carbon Steel, Copper, Plastic
M9V11263	Square D	Carbon Steel, Copper, Plastic
<b>Circuit Breakers</b>		
SU201M-K05	ABB	Carbon Steel, Copper, Plastic
F202AS-63/0.1	ABB	Carbon Steel, Copper, Plastic
XT1NU3015AFF000XXX	ABB	Carbon Steel, Copper, Plastic
M9F43170	Square D	Carbon Steel, Copper, Plastic
M9F23170	Square D	Carbon Steel, Copper, Plastic
BGL36015	Square D	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
WA4-13	ABB	Carbon Steel, Copper, Plastic
AF09-30-10-11	ABB	Carbon Steel, Copper, Plastic
3RH2440-1BB40	Siemens	Carbon Steel, Copper, Plastic
LC1D09BNE	Square D	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
CP1-11G-10	ABB	Carbon Steel, Copper, Plastic
CE4T-10R-02	ABB	Carbon Steel, Copper, Plastic
CL2-502G	ABB	Carbon Steel, Copper, Plastic
C2SS2-10B-20	ABB	Carbon Steel, Copper, Plastic
M2SS2-11C	ABB	Carbon Steel, Copper, Plastic
OL40U3PB	ABB	Carbon Steel, Copper, Plastic
9001KP5G9	Square D	Carbon Steel, Copper, Plastic
<b>Relay</b>		
PRC1T20CDL	Square D	Carbon Steel, Copper, Plastic
RE17RAMU	GE	Carbon Steel, Copper, Plastic

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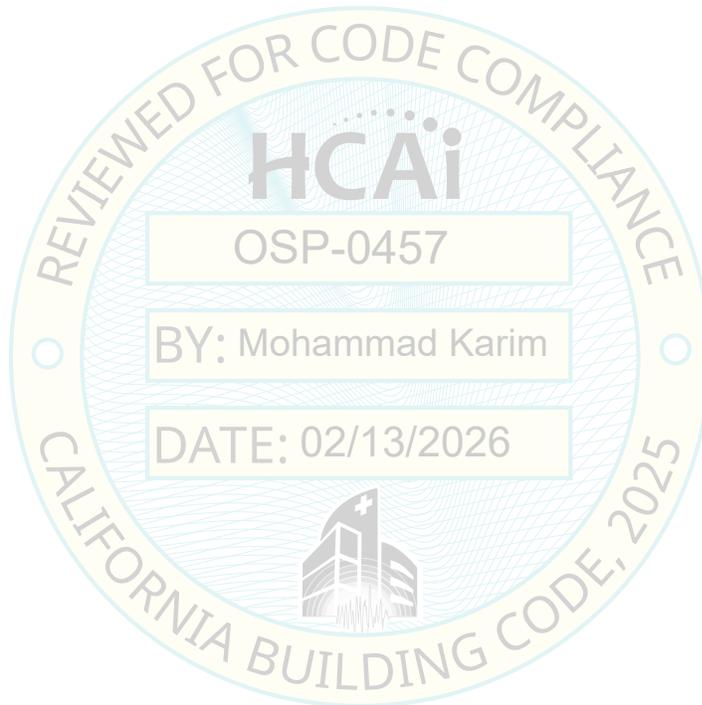
**UNIT UNDER TEST (UUT)**  
**Summary Sheet**



**UUT21**

*Options / Component Summary (continued):*

Model Number	Manufacturer	Material
<b>Surge Suppressor</b>		
2CTB802341R3300	ABB	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
2637060000	Weidmueller	Carbon Steel, Copper, Plastic
1370050010	Weidmueller	Carbon Steel, Copper, Plastic
1251070000	Weidmueller	Carbon Steel, Copper, Plastic
6720005420	Weidmueller	Carbon Steel, Copper, Plastic



# UNIT UNDER TEST (UUT) Summary Sheet



## UUT22

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV480-015-SP022

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

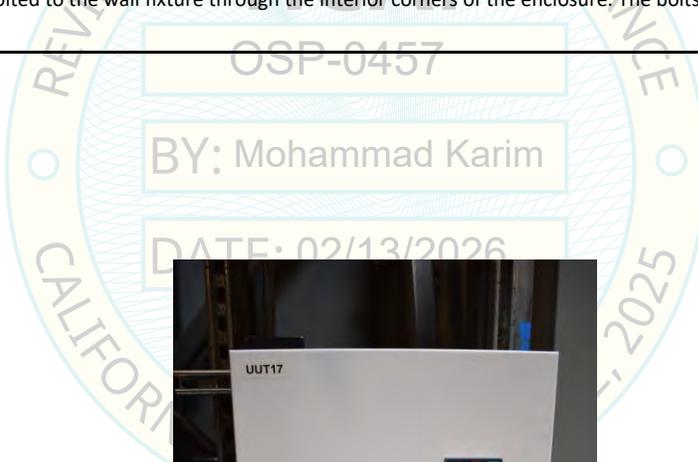
### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
46	7	16	24	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156-24	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
		2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT22 was mounted using (4) 3/8" diameter grade 5 bolts, circular washers, 3"x3"x3/8" carbon steel plate washers and channel nuts. The UUT was bolted to the wall fixture through the interior corners of the enclosure. The bolts were spaced 22.5" heightwise and 14.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT22**

*Options / Component Summary:*

Model Number	Manufacturer	Material
<b>Enclosures</b>		
17-039464A, 039464A-SD	EXM	Cold Formed Carbon Carbon Steel
<b>Circuit Breaker Accessories</b>		
3VA99780AB12	Siemens	Copper, Plastic
3VA9978-0BB11	Siemens	Carbon Steel, Copper, Plastic
3VA9978-0BL30	Siemens	Carbon Steel, Copper, Plastic
3VA9978-0AA12	Siemens	Carbon Steel, Copper, Plastic
5SM2322-6	Siemens	Copper, Plastic
3VA9133-0JG11	Siemens	Copper
3VA9133-0JF68	Siemens	Copper
3VA9137-0FK31	Siemens	Carbon Steel, Plastic
<b>Circuit Breakers</b>		
5SY1017	Siemens	Carbon Steel, Copper, Plastic
3VA5195-5ED31-0AA0	Siemens	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
3RT2015-2BB41	Siemens	Carbon Steel, Copper, Plastic
3RT2023-1BB40	Siemens	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
3SU1102-0AB40-3BA0	Siemens	Carbon Steel, Copper, Plastic
3SU1100-0AB20-3CA0	Siemens	Carbon Steel, Copper, Plastic
3SU1500-0AA10-0AA0	Siemens	Carbon Steel, Copper, Plastic
3SU1002-2BL30-0AA0	Siemens	Carbon Steel, Copper, Plastic
HW1P-2FT8DG	IDEC	Plastic
<b>Relay</b>		
3RH2262-1BB40	Siemens	Carbon Steel, Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT23

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV480-400-SP023

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 4/12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
365	17	36	60	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT23 was mounted using (4) 3/8" diameter grade 5 bolts, circular washers, 3"x3"x3/8" carbon steel plate washers and channel nuts. The UUT was bolted to the wall fixture through the interior corners of the enclosure. The bolts were spaced 58.5" heightwise and 34.5" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT23**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
5412 ES603616, 603616-SD	EXM	Cold Formed Carbon Carbon Steel
<b>Aux Contact</b>		
CAL4-11	ABB	Carbon Steel, Copper, Plastic
<b>Circuit Breaker Accessories</b>		
KXT4CU-3PC	ABB	Copper
KXTAUVR1	ABB	Copper, Aluminum, Plastic
KXTAAXCDQSYFP	ABB	Carbon Steel, Copper, Plastic
OHB125J10B	ABB	Carbon Steel, Plastic
KXTCRHEBFP	ABB	Carbon Steel, Plastic
KXT5RHESTH	ABB	Carbon Steel, Plastic
KXTHRHETR	ABB	Carbon Steel, Plastic
KXT5RHEBFP	ABB	Carbon Steel, Plastic
EXP10X225	ABB	Carbon Steel
KXT5EF-3PC	ABB	Copper
KXT1N12FLHDL4	ABB	Zinc, Cold Rolled Steel, Plastic
3RP2511-1AW30	Siemens	Silver Alloy, Plastic
5SM2322-6	Siemens	Copper, Plastic
3VA9373-0JG13	Siemens	Copper
3VA9373-0JF68	Siemens	Copper
S29450	Square D	Silver, Plastic, Carbon Steel
S37424	Square D	Silver, Copper
S29384	Square D	Copper, Plastic
S29404	Square D	Carbon Steel, Copper, Plastic
S31543	Square D	Carbon Steel, Copper, Plastic
S29338	Square D	Carbon Steel, Copper, Plastic
PDC6P20	Square D	Aluminum, Copper
<b>Circuit Breakers</b>		
XT4NU3250AFF000XXX	ABB	Carbon Steel, Copper, Plastic
XT5U340ABFF000XXX	ABB	Carbon Steel, Copper, Plastic
5SY4111-7	Siemens	Carbon Steel, Copper, Plastic
3VA6440-5HL31-0AA0	Siemens	Carbon Steel, Copper, Plastic
M9F43335	Square D	Carbon Steel, Copper, Plastic
M9F23363	Square D	Carbon Steel, Copper, Plastic
JGL36250	Square D	Carbon Steel, Copper, Plastic
MGL36400	Square D	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
AF205-30-11-14	ABB	Carbon Steel, Copper, Plastic
3RH2440-1BB40	Siemens	Carbon Steel, Copper, Plastic
3RT1065-6AF35	Siemens	Carbon Steel, Copper, Plastic
LC1F265	Square D	Carbon Steel, Copper, Plastic

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# UNIT UNDER TEST (UUT) Summary Sheet



**UUT23**

*Options / Component Summary (continued):*

Model Number	Manufacturer	Material
<b>Relay</b>		
PRC1T20CDL	Square D	Carbon Steel, Copper, Plastic
RE17RAMU	Square D	Carbon Steel, Copper, Plastic
3RH2262-1BB40	Siemens	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
CP1-11G-10	ABB	Carbon Steel, Copper, Plastic
CE4T-10R-02	ABB	Carbon Steel, Copper, Plastic
CL2-502G	ABB	Carbon Steel, Copper, Plastic
C2SS2-10B-20	ABB	Carbon Steel, Copper, Plastic
M2SS2-11C	ABB	Carbon Steel, Copper, Plastic
OL40U3PB	ABB	Carbon Steel, Copper, Plastic
3SU1102-0AB40-3BA0	Siemens	Carbon Steel, Copper, Plastic
3SU1100-0AB20-3CA0	Siemens	Carbon Steel, Copper, Plastic
3SU1500-0AA10-0AA0	Siemens	Carbon Steel, Copper, Plastic
3SU1002-2BL30-0AA0	Siemens	Carbon Steel, Copper, Plastic
HW1P-2FT8DG	IDEC	Plastic
9001KP5G9	Square D	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
2637060000	Weidmueller	Carbon Steel, Copper, Plastic
1370050010	Weidmueller	Carbon Steel, Copper, Plastic
1251070000	Weidmueller	Carbon Steel, Copper, Plastic
6720005420	Weidmueller	Carbon Steel, Copper, Plastic
<b>Surge Suppressor</b>		
2CTB802341R3300	ABB	Carbon Steel, Copper, Plastic
<b>Timer</b>		
Q1C5DTCF	Hammond	Copper, Laminated Electrical Steel

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT24

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV480-015-SP024

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
64	7	16	24	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156-24	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
		2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT24 was mounted using (4) 3/8" diameter grade 5 bolts, circular washers, 3"x3"x3/8" carbon steel plate washers and channel nuts. The UUT was bolted to the wall fixture through the interior corners of the enclosure. The bolts were spaced 22.5" heightwise and 11.0" widthwise.

OSP-0457

BY: Mohammad Karim



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT24**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
24166-1, 24166-SD	Cooper B-Line	Cold Formed Carbon Carbon Steel
<b>Aux Contact</b>		
CAL4-11	ABB	Carbon Steel, Copper, Plastic
<b>Circuit Breaker Accessories</b>		
KXT1CU-3PC	ABB	Copper
OHB125J10B	ABB	Carbon Steel, Plastic
KXTBRHESTFP	ABB	Zinc, Carbon Steel, Plastic
LV426950	Square D	Carbon Steel, Silver, Plastic
LV426967	Square D	Tin, Aluminum
LV426974	Square D	Tin, Aluminum
PDC6BD6	Square D	Aluminum, Copper
LV426841	Square D	Carbon Steel, Copper, Plastic
LV426801	Square D	Carbon Steel, Copper, Plastic
M9V11263	Square D	Carbon Steel, Copper, Plastic
<b>Circuit Breakers</b>		
SU201M-K05	ABB	Carbon Steel, Copper, Plastic
F202AS-63/0.1	ABB	Carbon Steel, Copper, Plastic
XT1NU3015AFF000XXX	ABB	Carbon Steel, Copper, Plastic
M9F43170	Square D	Carbon Steel, Copper, Plastic
M9F23170	Square D	Carbon Steel, Copper, Plastic
BGL36015	Square D	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
WA4-13	ABB	Carbon Steel, Copper, Plastic
AF09-30-10-11	ABB	Carbon Steel, Copper, Plastic
3RH2440-1BB40	Siemens	Carbon Steel, Copper, Plastic
LC1D09BNE	Square D	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
CP1-11G-10	ABB	Carbon Steel, Copper, Plastic
CE4T-10R-02	ABB	Carbon Steel, Copper, Plastic
CL2-502G	ABB	Carbon Steel, Copper, Plastic
C2SS2-10B-20	ABB	Carbon Steel, Copper, Plastic
M2SS2-11C	ABB	Carbon Steel, Copper, Plastic
OL40U3PB	ABB	Carbon Steel, Copper, Plastic
<b>Power Supply</b>		
2637060000	Weidmueller	Carbon Steel, Copper, Plastic
1370050010	Weidmueller	Carbon Steel, Copper, Plastic
1251070000	Weidmueller	Carbon Steel, Copper, Plastic
6720005420	Weidmueller	Carbon Steel, Copper, Plastic
<b>Surge Suppressor</b>		
2CTB802341R3300	ABB	Carbon Steel, Copper, Plastic
<b>Relay</b>		
PRC1T20CDL	Square D	Carbon Steel, Copper, Plastic
RE17RAMU	GE	Carbon Steel, Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT25

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV480-015-SP025

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 1

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

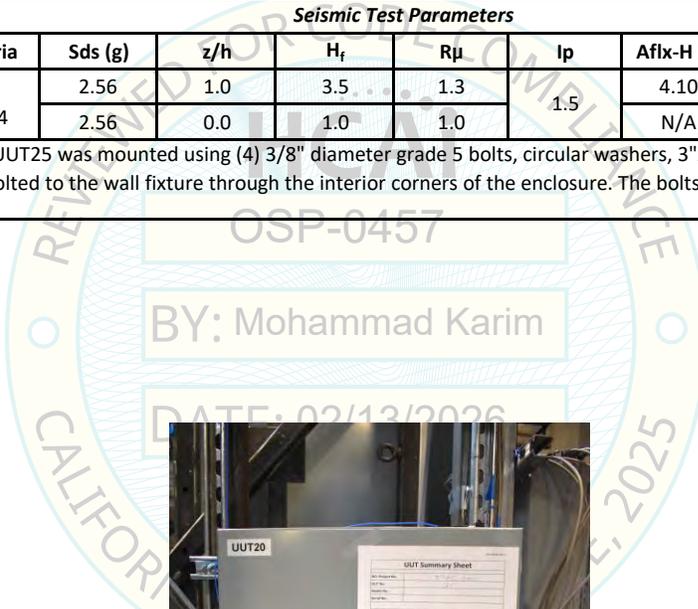
### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
51	7	16	24	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT25 was mounted using (4) 3/8" diameter grade 5 bolts, circular washers, 3"x3"x3/8" carbon steel plate washers and channel nuts. The UUT was bolted to the wall fixture through the interior corners of the enclosure. The bolts were spaced 22.5" heightwise and 11.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT25**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
24166-1, 24166-SD	Cooper B-Line	Cold Formed Carbon Carbon Steel
<b>Circuit Breaker Accessories</b>		
KXTFYOB	ABB	Copper, Plastic
KXTASORCFPB	ABB	Copper, Aluminum, Plastic
3VA99780AB12	Siemens	Copper, Plastic
3VA9978-0BB11	Siemens	Carbon Steel, Copper, Plastic
3VA9978-0BL30	Siemens	Carbon Steel, Copper, Plastic
3VA9978-0AA12	Siemens	Carbon Steel, Copper, Plastic
5SM2322-6	Siemens	Copper, Plastic
3VA9133-0JG11	Siemens	Copper
3VA9133-0JF68	Siemens	Copper
3VA9137-0FK31	Siemens	Carbon Steel, Plastic
<b>Circuit Breakers</b>		
5SY1017	Siemens	Carbon Steel, Copper, Plastic
3VA5195-5ED31-0AA0	Siemens	Carbon Steel, Copper, Plastic
<b>Contactors</b>		
3RT2015-2BB41	Siemens	Carbon Steel, Copper, Plastic
3RT2023-1BB40	Siemens	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
3SU1102-0AB40-3BA0	Siemens	Carbon Steel, Copper, Plastic
3SU1100-0AB20-3CA0	Siemens	Carbon Steel, Copper, Plastic
3SU1500-0AA10-0AA0	Siemens	Carbon Steel, Copper, Plastic
3SU1002-2BL30-0AA0	Siemens	Carbon Steel, Copper, Plastic
HW1P-2FT8DG	IDEC	Plastic
<b>Relay</b>		
3RH2262-1BB40	Siemens	Carbon Steel, Copper, Plastic

# UNIT UNDER TEST (UUT) Summary Sheet



## UUT26

**DCL Repot Number:** 91365-2001

**Test Dates:** 4/27/20

**Manufacturer:** Bevco Engineering Company, Inc.

**Product Line:** Custom Breaker Panel

**Model Number:** BEV480-400-SP026

**Product Construction Summary:** Cold Formed Carbon Steel, NEMA 12

**Note:** The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

### UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
365	17	36	60	N/A	N/A	N/A

### Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.56	1.0	3.5	1.3	1.5	4.10	3.07	N/A	N/A
	AC156-24	2.56	0.0	1.0	1.0		N/A	N/A	1.71	0.68

**Unit Mounting Description:** UUT26 was mounted using (4) 3/8" diameter grade 5 bolts, circular washers, 3"x3"x3/8" carbon steel plate washers and channel nuts through a welded bracket onto the wall fixture. The bolts were spaced 61.5" heightwise and 30.0" widthwise.



# UNIT UNDER TEST (UUT) Summary Sheet



**UUT26**

**Options / Component Summary:**

Model Number	Manufacturer	Material
<b>Enclosures</b>		
603616-12, 603616-SD	Cooper B-Line	Cold Formed Carbon Carbon Steel
<b>Aux Contact</b>		
CAL4-11	ABB	Carbon Steel, Copper, Plastic
<b>Circuit Breaker Accessories</b>		
KXT4CU-3PC	ABB	Copper
KXTAUVR1	ABB	Copper, Aluminum, Plastic
KXTAAXCDQSYFP	ABB	Carbon Steel, Copper, Plastic
OHB125J10B	ABB	Carbon Steel, Plastic
KXTCRHEBFP	ABB	Carbon Steel, Plastic
KXT5RHESTH	ABB	Carbon Steel, Plastic
KXTHRHETR	ABB	Carbon Steel, Plastic
KXT5RHEBFP	ABB	Carbon Steel, Plastic
EXP10X225	ABB	Carbon Steel
KXT5EF-3PC	ABB	Copper
KXT1N12FLHDL4	ABB	Zinc, Cold Rolled Steel, Plastic
3RP2511-1AW30	Siemens	Silver Alloy, Plastic
5SM2322-6	Siemens	Copper, Plastic
3VA9373-0JG13	Siemens	Copper
3VA9373-0JF68	Siemens	Copper
S29450	Square D	Silver, Plastic, Carbon Steel
S37424	Square D	Silver, Copper
S29384	Square D	Copper, Plastic
S29404	Square D	Carbon Steel, Copper, Plastic
S31543	Square D	Carbon Steel, Copper, Plastic
S29338	Square D	Carbon Steel, Copper, Plastic
PDC6P20	Square D	Aluminum, Copper
<b>Circuit Breakers</b>		
SU201M-K63	ABB	Carbon Steel, Copper, Plastic
F202AC-40/0.03	ABB	Carbon Steel, Copper, Plastic
XT4NU3250AFF000XXX	ABB	Carbon Steel, Copper, Plastic
XT5U340ABFF000XXX	ABB	Carbon Steel, Copper, Plastic
5SY4111-7	Siemens	Carbon Steel, Copper, Plastic
3VA6440-5HL31-0AA0	Siemens	Carbon Steel, Copper, Plastic
M9F43335	Square D	Carbon Steel, Copper, Plastic
M9F23363	Square D	Carbon Steel, Copper, Plastic
JGL36250	Square D	Carbon Steel, Copper, Plastic
MGL36400	Square D	Carbon Steel, Copper, Plastic
<b>Relay</b>		
PRC1T20CDL	Square D	Carbon Steel, Copper, Plastic
RE17RAMU	GE	Carbon Steel, Copper, Plastic
3RH2262-1BB40	Siemens	Carbon Steel, Copper, Plastic

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# UNIT UNDER TEST (UUT) Summary Sheet



**UUT26**

*Options / Component Summary (continued):*

Model Number	Manufacturer	Material
<b>Contactors</b>		
AF205-30-11-14	ABB	Carbon Steel, Copper, Plastic
3RH2440-1BB40	Siemens	Carbon Steel, Copper, Plastic
3RT1065-6AF35	Siemens	Carbon Steel, Copper, Plastic
LC1F265	Square D	Carbon Steel, Copper, Plastic
<b>Pilot Devices</b>		
CP1-11G-10	ABB	Carbon Steel, Copper, Plastic
CE4T-10R-02	ABB	Carbon Steel, Copper, Plastic
CL2-502G	ABB	Carbon Steel, Copper, Plastic
C2SS2-10B-20	ABB	Carbon Steel, Copper, Plastic
M2SS2-11C	ABB	Carbon Steel, Copper, Plastic
OL40U3PB	ABB	Carbon Steel, Copper, Plastic
3SU1102-0AB40-3BA0	Siemens	Carbon Steel, Copper, Plastic
3SU1100-0AB20-3CA0	Siemens	Carbon Steel, Copper, Plastic
3SU1500-0AA10-0AA0	Siemens	Carbon Steel, Copper, Plastic
3SU1002-2BL30-0AA0	Siemens	Carbon Steel, Copper, Plastic
9001KP5G9	Square D	Carbon Steel, Copper, Plastic
HW1P-2FT8DG	IDEC	Plastic
<b>Power Supply</b>		
2637060000	Weidmueller	Carbon Steel, Copper, Plastic
1370050010	Weidmueller	Carbon Steel, Copper, Plastic
1251070000	Weidmueller	Carbon Steel, Copper, Plastic
6720005420	Weidmueller	Carbon Steel, Copper, Plastic
<b>Surge Suppressor</b>		
2CTB802341R3300	ABB	Carbon Steel, Copper, Plastic
<b>Timer</b>		
Q1C5DTCF	Hammond	Copper, Laminated Electrical Steel