OFFICE USE ONLY APPLICATION FOR OSHPD SPECIAL SEISMIC **CERTIFICATION PREAPPROVAL (OSP)** APPLICATION #: OSP - 0064 **OSHPD Special Seismic Certification Preapproval (OSP)** ☐ New ☐ Renewal **Manufacturer Information** Manufacturer: Square D by Schneider Electric Manufacturer's Technical Representative: Scott Littler, Principal Technical Expert Mailing Address: 330 Weakley Lane, Smyrna, TN 37167 Telephone: 615-267-9407 Email: scott.littler@se.com **Product Information** Product Name: Enclosed Circuit Breakers – Low Voltage (600V and below) Enclosed Circuit Breaker Units from 15A to 1200A ampacity ratings Product Type: Product Model Number: Varies (see attachment) (List all unique product identification numbers and/or part numbers) General Description: Enclosed Circuit Breaker Units from 15A to 1200A ratings consisting of molded case circuit breakers packaged in carbon or stainless-steel sheet metal framed enclosures (NEMA Type 1, 3, 3R, 4, 4X, 5, and 12) Mounting Description: Wall mounted - Rigid Applicant Information Applicant Company Name: TRU Compliance, by Structural Integrity Associates, Inc Contact Person: Galen Reid Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702 Telephone: 844-TRU-0200 Email: greid@structint.com I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016. Signature of Applicant: Date: 12/30/2019 Title: Program Manager Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

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





Page 1 of 3

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: TRU Compliance, by Structural Integrity Associates, Inc
Name: Andy Coughlin, SE California License Number: S6082
Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702
Telephone: 844-TRU-0200 Email: acoughlin@structint.com
Supports and Attachments Preapproval
Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required) Supports and attachments are not preapproved Certification Method Testing in accordance with: ☐ ICC-ES AC156 Other (Please Specify): ☐ OSP-0064
By: William Staehlin
Testing Laboratory DATE: 04/06/2021
Company Name: National Technical Systems – Huntsville (Formerly Wyle Laboratories)
Contact Name: Greg Mason
Mailing Address: 7800 Highway 20 West, Huntsville, AL 35806
Telephone: (256) 837-4411 Email: greg.mason@nts.com



04/06/2021



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: ⊠ Yes ☐ No
Design Basis of Equipment or Components $(F_p/W_p) = 1.79 (z/h=1.0), 1.38 (z/h=0.0)$
S _{DS} (Design spectral response acceleration at short period, g) = 2.38 (z/h=1.0), 3.06 (z/h=0.0)
a _p (In-structure equipment or component amplification factor) =2.5
R _p (Equipment or component response modification factor) =6.0
Ω_0 (System overstrength factor) = _2.0
I _p (Importance factor) = 1.5
z/h (Height factor ratio) = 1 and 0
Equipment or Component Natural Frequencies (Hz) = (See Attachment)
Overall dimensions and weight (or range thereof) = (See Attachment)
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: Yes No
Design Basis of Equipment or Components (V/W) =
S _{DS} (Design spectral response acceleration at short period, g) =
S _{D1} (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient) =
Ω ₀ (System overstrength factor) = By: William Staehlin
C _d (Deflection amplification factor) =
I_P (Importance factor) = 1.5 DATE: $04/06/2021$
Height to Center of Gravit <mark>y above</mark> base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
Tank(s) designed in accordance with ASME BPVC, 2015: Yes No
List of Attachments Supporting Special Seismic Certification
☐ Test Report(s) ☐ Drawings ☐ Calculations ☐ Manufacturer's Catalog
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025
Signature: Date: April 6, 2021
Print Name: William Staehlin Title: Senior Structural Engineer
Special Seismic Certification Valid Up to : S _{DS} (g) = <u>See Above</u> z/h = <u>See Above</u>
Condition of Approval (if applicable):

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





Page 3 of 3

04/06/2021

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

TABLE 1

Certified Product Construction Summary:

Enclosures constructed of carbon steel (CS) or stainless steel (SS) as noted in table below.

Certified Options Summary:

Models with suffix "A", "AWK", "DS", or "SS" provide a mechanism to operate the enclosed circuit breaker. These are NEMA type 12, 4, 4X, or 5. Models without suffix "A", "AWK", "DS", or "SS" provide no operating mechanism. These are NEMA types 1 or 3R.

Mounting Configuration:

Wall mounted - rigid

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code:	СВС	2019	Seismic (Certification	on Limits:	S _{DS} =	3.06 g 2	z/h=0.0	= 1.5
Model Line	Model	Max	Día	mensions	(in)64	Weight	Material		UUT
Model Line	Model	Ampacity	Depth	Width	Height	(lb)	Materiat	нема гуре	001
	FA100A	/ ///////	R4.88/	9.13	St19.5	in 13	CS	12	22
	F*100***	100	4.88	9.13	19.5	13	CS	12	Interp.
	L 100	100	4.88	9.13	19,5	16	SS	4, 4X, 5	Interp.
	H*100*		4.75	7.90	17.0	16	cs	1	Interp.
	B125***	125	4.88	9.13	19.5	16	cs	1, 3R	Interp.
	H150*	150	6.28	15.4	32.26	24	CS	1, 3R	Interp.
	J250AWK		7.94	9.72	32.26	24	CS	12	25
With Operating	J250***	250	7.94	9.72	32.26	24	CS	12	Interp.
Mechanism	J250DS	250	7.94	9.72	32.26	28	SS	4, 4X, 5	3
	J250***		7.94	9.72	32.26	28	SS	4, 4X, 5	Interp.
	LA400AWK	400	7.25	13.75	42.25	52	CS	12	27
	L*400***	400	7.25	13.75	42.25	52	CS	12	Interp.
	L*600***	600	8.2	20.42	59.63	110	CS	12	Interp.
	M800***	800	9.5	20.75	40.88	86	CS	12	Interp.
	L1200*	1200	7.75	20.25	51.88	107	CS	1	Interp.
	P1200***	1200	9.5	20.75	53	104.7	CS	12	Interp.
			4.75	7.9	17	11	CS	1	Interp.
	F*100**	100	4.88	8.88	18	16	CS	3R	Interp.
	H*100*	100	4.13	8.63	18.13	14	CS	1	Interp.
Without Operating			4.13	9.88	19.5	14	CS	1	Interp.
Mechanism	B125***	125	4.88	9.13	19.5	16	CS	1, 3R	Interp.
	H150*	150	6.28	15.4	32.26	24	CS	1, 3R	Interp.
	Q**200***	200	4.25	7.63	23.13	11.84	CS	1	Interp.
	Q 200	200	4.75	7.63	23.13	15.28	CS	3R	Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



 $S_{DS} = 2.38 g z/h=1.0$

1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

TABLE 1

Certified Product Construction Summary:

Enclosures constructed of carbon steel (CS) or stainless steel (SS) as noted in table below.

Certified Options Summary:

Models with suffix "A", "AWK", "DS", or "SS" provide a mechanism to operate the enclosed circuit breaker. These are NEMA type 12, 4, 4X, or 5. Models without suffix "A", "AWK", "DS", or "SS" provide no operating mechanism. These are NEMA types 1 or 3R.

Mounting Configuration:

Wall mounted - rigid

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code:	СВС	2019	Seismic (Certification	on Limits:		2.38 g 2 3.06 g 2	/ _	= 1.5
Model Line	Model	Max	Dia	mensions	(in)64	Weight			UUT
Model Line	Model	Ampacity	Depth	Width	Height	(lb)	Material	NEMA Type	001
	Q**225***	225	R4.75//	9.88	26.25	in 18	CS	1	Interp.
	Q23225NRB	225	5.5	9.88	26.25	23	Ccs	3R	23
	Q**225***	225	5.5	9.88	26.25	23	CS	3R	Interp.
	1250**	\ \W	5.5	8.9	26.4	17.37	cs	1	Interp.
	J250** J*250**	S	5.63	19	20	19	cs	1	Interp.
	J 230		7.12	19	20.25	27	CS	3R	Interp.
	J250R	250	6.28	14.47	31.05	34	CS	3R	24
	1250**		6.28	14.47	31.05	34	CS	3R	Interp.
	J250** J*250**		6	14.36	31.36	33	CS	1	Interp.
William I O and I'm	J 250		6	15.4	32.4	33	CS	1	Interp.
Without Operating Mechanism	L*400***	400	6.63	15.4	27.4	36	CS	1	Interp.
Mechanism			7.88	15.38	44	60	CS	3R	Interp.
	L 400		6.5	15.38	44.5	46	CS	1	Interp.
			6.5	16.5	45.63	46	CS	1	Interp.
	M800*	800	9.75	21	40.38	98	CS	1, 3R	Interp.
	M*1200** P1200* L1200*	1200	7.75	20.25	51.8	107	CS	1	Interp.
	P1200R	1200	9.75	21	52.13	160	CS	3R	4
	M*1200** P1200*		9.75	21	52.13	160	CS	1, 3R	Interp.

SPECIAL SEISMIC CERTIFICATION MODEL LINE NUMBERING



1801118-CR-001 R0

	Electric Enclosed Circuit Break	ers		T.	ABLE 1.1
			Enclosures		
Circuit B				Enclosure	
Catalog No. Prefix	Rating	Poles	NEMA 1 Flush	NEMA 1 Surface	NEMA 3R
FAL, FHL, FCL	15-100A	1, 2, 3	FA100F	FA100S	FA100RB
BDL, BGL, BJL	15-125 A	2, 3	DIGE	DIDEC	DISEDD
BKL	15-30 A	2	- B125F	B125S	B125RB
HDL	15-100 A	3	-	HD100S	-
HDL, JDL	125-250 A	3	-	JD250S	-
HDL, HGL	15-150 A	R 201	H150F	H150S	H150R
HJL, HLL	15-100 A	2	COM		
HDL, HGL, HJL, HLL	15-150 A	3	J250F	J250S	H150R
JDL, JGL, JJL, JLL	150-250 A	2,3	PD R		
QBL, QDL, QGL, QJL	70-225 A	2		Q22200NS	Q22200NRB
QBL, QDL, QGL, QJL	70-225 A	0.52,3-0	06-Q23225NF	Q23225NS	Q23225NRB
LAL, LHL, Q4L	125-400 A	2, 3	LA400F	LA400S	LA400R
LAL	125-400 A	illia³n :	Staehlin WW	LA400LS	-
MGL, MJL, PGL, PJL, PKL, PLL	300-800 A	2, 3		M800S	M800R
PGL, PJL, PKL, PLL	250-1200 A	2,3	2021	P1200S	M1200R
Circuit B	reaker	347007	NEMA 4, 4X, 5 304 Stainless Steel	NEMA 12 W/Knockouts	NEMA 12 W/out Knockouts
FAL, FHL, FCL	15-100A	1, 2, 3	FA100DS	FA100A	FA100AWK
מסו מכי מיי	15-100 A	2, 3	3		
BDL, BGL, BJL	15-100 A	A SAME TO THE REPORT OF THE PARTY OF THE PAR			
BDL, BGL, BJL	110-125 A	2, 3	B125S	B125A	B125AWK
<u> </u>			B125S	B125A	B125AWK
BDL, BGL, BJL	110-125 A 15-30 A	2,3	NEMA 4, 4X, 5 304 Stainless Steel	B125A NEMA 4, 4X, 5 316 Stainless Stee	NEMA 12/3R
BDL, BGL, BJL BKL	110-125 A 15-30 A	2,3	NEMA 4, 4X, 5	NEMA 4, 4X, 5	NEMA 12/3R
BDL, BGL, BJL BKL Circuit B	110-125 A 15-30 A reaker	2,3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS	NEMA 4, 4X, 5 316 Stainless Stee -	NEMA 12/3R W/out Knockouts FA100AWK
BDL, BGL, BJL BKL Circuit B	110-125 A 15-30 A reaker 15-100 A	1, 2, 3	NEMA 4, 4X, 5 304 Stainless Steel	NEMA 4, 4X, 5	NEMA 12/3R I W/out Knockouts
BDL, BGL, BJL BKL Circuit Ba FAL, FHL, FCL HDL, HGL, HJL, HLL	110-125 A 15-30 A reaker 15-100 A 15-150A	1, 2, 3 2, 3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS	NEMA 4, 4X, 5 316 Stainless Stee -	NEMA 12/3R W/out Knockouts FA100AWK
BDL, BGL, BJL BKL Circuit B FAL, FHL, FCL HDL, HGL, HJL, HLL JDL, JGL, JJL, JLL	110-125 A 15-30 A reaker 15-100 A 15-150A 150-250 A	1, 2, 3 2, 3 2, 3 2, 3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS J250DS	NEMA 4, 4X, 5 316 Stainless Stee - J250SS	NEMA 12/3R W/out Knockouts FA100AWK J250AWK
BDL, BGL, BJL BKL Circuit Bi FAL, FHL, FCL HDL, HGL, HJL, HLL JDL, JGL, JJL, JLL LAL, LHL, Q4L	110-125 A 15-30 A reaker 15-100 A 15-150A 150-250 A 125-400 A	1, 2, 3 2, 3 2, 3 2, 3 2, 3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS J250DS	NEMA 4, 4X, 5 316 Stainless Stee - J250SS	NEMA 12/3R W/out Knockouts FA100AWK J250AWK LA400AWK
BDL, BGL, BJL BKL Circuit B FAL, FHL, FCL HDL, HGL, HJL, HLL JDL, JGL, JJL, JLL LAL, LHL, Q4L LDL, LGL, LJL, LLL, LRL	110-125 A 15-30 A reaker 15-100 A 15-150A 150-250 A 125-400 A 250-600A	1, 2, 3 2, 3 2, 3 2, 3 2, 3 3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS J250DS	NEMA 4, 4X, 5 316 Stainless Stee - J250SS	NEMA 12/3R W/out Knockouts FA100AWK J250AWK LA400AWK L600AWK
BDL, BGL, BJL BKL Circuit B. FAL, FHL, FCL HDL, HGL, HJL, HLL JDL, JGL, JJL, JLL LAL, LHL, Q4L LDL, LGL, LJL, LLL, LRL LGL, LLL, LRL	110-125 A 15-30 A reaker 15-100 A 15-150A 150-250 A 125-400 A 250-600A 250-600A	1, 2, 3 2, 3 2, 3 2, 3 2, 3 3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS J250DS LA400DS -	NEMA 4, 4X, 5 316 Stainless Stee - J250SS	NEMA 12/3R W/out Knockouts FA100AWK J250AWK LA400AWK L600AWK L600AWKMC
BDL, BGL, BJL BKL Circuit BL FAL, FHL, FCL HDL, HGL, HJL, HLL JDL, JGL, JJL, JLL LAL, LHL, Q4L LDL, LGL, LJL, LLL, LRL LGL, LLL, LRL MGL, MJL, PGL, PJL, PKL, PLL PGL, PJL, PKL, PLL	110-125 A 15-30 A reaker 15-100 A 15-150A 150-250 A 125-400 A 250-600A 250-600A 300-800 A	1, 2, 3 2, 3 2, 3 2, 3 3 3 2, 3 2, 3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS J250DS LA400DS M800DS -	NEMA 4, 4X, 5 316 Stainless Stee - J250SS - - M800SS	NEMA 12/3R W/out Knockouts FA100AWK J250AWK LA400AWK L600AWK L600AWKMC M800AWK
BDL, BGL, BJL BKL Circuit BL FAL, FHL, FCL HDL, HGL, HJL, HLL JDL, JGL, JJL, JLL LAL, LHL, Q4L LDL, LGL, LJL, LLL, LRL LGL, LLL, LRL MGL, MJL, PGL, PJL, PKL, PLL PGL, PJL, PKL, PLL	110-125 A 15-30 A reaker 15-100 A 15-150A 150-250 A 125-400 A 250-600A 250-600A 300-800 A 250-1200 A uit Breaker Enclosure	1, 2, 3 2, 3 2, 3 2, 3 3 3 2, 3 2, 3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS J250DS LA400DS M800DS -	NEMA 4, 4X, 5 316 Stainless Stee - J250SS - - M800SS	NEMA 12/3R W/out Knockouts FA100AWK J250AWK LA400AWK L600AWK L600AWKMC M800AWK
BDL, BGL, BJL BKL Circuit BI FAL, FHL, FCL HDL, HGL, HJL, HLL JDL, JGL, JJL, JLL LAL, LHL, Q4L LDL, LGL, LJL, LLL, LRL LGL, LLL, LRL MGL, MJL, PGL, PJL, PKL, PLL PGL, PJL, PKL, PLL	110-125 A 15-30 A reaker 15-100 A 15-150A 150-250 A 125-400 A 250-600A 250-600A 300-800 A 250-1200 A uit Breaker Enclosure	1, 2, 3 2, 3 2, 3 2, 3 3 3 2, 3 2, 3	NEMA 4, 4X, 5 304 Stainless Steel FA100DS J250DS LA400DS M800DS -	NEMA 4, 4X, 5 316 Stainless Stee - J250SS - - M800SS - uitBreakers	NEMA 12/3R W/out Knockouts FA100AWK J250AWK LA400AWK L600AWK L600AWKMC M800AWK

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

Schneider TRU COMPLIANCE

1801118-CR-001 R0

 Manufacturer:
 Schneider Electric
 Table Description:
 Molded Case Circuit Breakers

 Model Line:
 15 - 1200A Enclosed Circuit Breakers

Building Code: CBC 2019 Seismic Certification Limits: $S_{DS} = 2.38 \text{ g} \quad z/h = 1.0$ $S_{DS} = 3.06 \text{ g} \quad z/h = 0.0$

		$S_{DS} = 3.06 \text{g} \text{z/h} = 0.0$		
Manufacturer	Model	RCODEDescription	Notes	UUT
	F*	15-100A, 208-600V, 6 lbs.		Extrap.
	FAL34100	100A, 480V, 6 lbs.		22
	B*	15-125A, 208-600V, 4 lbs.		Interp.
	OH*	15-250A, 208-600V, 5 lbs.		Interp.
	Q*	70-250A, 208-600V, 5 lbs.		Interp.
	QJL32250 _{BV} . \/	250A, 600V, 5 lbs.		23
	OJ*	150-250A, 208-600V, 5 lbs.		Interp.
Square D	JGL36250	250A, 600V, 5 lbs.		24
	K*	110-250A, 208-600V, 10 lbs.		Interp.
	(*)	250-600A, 208-600V, 14 lbs.		Interp.
	LAL36400	400A, 600V, 14.lbs.		27
	M*	300-800A, 208-600V, 24lbs.		Interp.
	L*	250-1200A, 208-600V, 24 lbs.		Interp.
	P*	600-1200A, 208-600V, 36 lbs.		Interp.
	PLL34000S12	1200A, 600V. 36 lbs.		4
		F* FAL34100 B* H* Q* QJL32250 J* JSL36250 K* LAL36400 M* L* P*	Manufacturer Model Description F* 15-100A, 208-600V, 6 lbs. FAL34100 100A, 480V, 6 lbs. B* 15-125A, 208-600V, 4 lbs. H* 15-250A, 208-600V, 5 lbs. Q* 70-250A, 208-600V, 5 lbs. QJL32250 250A, 600V, 5 lbs. J* 150-250A, 208-600V, 5 lbs. J* 150-250A, 208-600V, 10 lbs. K* 110-250A, 208-600V, 10 lbs. L* 250-600A, 208-600V, 14 lbs. M* 300-800A, 208-600V, 24 lbs. L* 250-1200A, 208-600V, 24 lbs. P* 600-1200A, 208-600V, 36 lbs.	Manufacturer Model Description Notes F* 15-100A, 208-600V, 6 lbs. FAL34100 100A, 480V, 6 lbs. FAL34100 100A, 480V, 6 lbs. B* 15-125A, 208-600V, 4 lbs. 15-250A, 208-600V, 5 lbs. Cyt 70-250A, 208-600V, 5 lbs. Cyt 70-250A, 208-600V, 5 lbs. Cyt 70-250A, 208-600V, 5 lbs. Cyt 150-250A, 208-600V, 5 lbs. Cyt 150-250A, 208-600V, 5 lbs. Cyt 110-250A, 208-600V, 5 lbs. Cyt Cyt 110-250A, 208-600V, 10 lbs. Cyt Cyt <t< td=""></t<>

^{*} The sub–components listed here include part numbers which provided identify configuration, manufacturer, and materials. Tested sub–components and interpolated/extrapolated items have the same manufacturer and materials and have similar configuration and construction as the tested units.



1801118-CR-001 R0

Manufacturer:	Schneider Electric					
Model Line:	15 - 1200A Enclosed C Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _P
3	J250DS	58773R11	NTS Huntsville (Formerly Wyle Labs)	2.38 3.06	1.0 0.0	1.5
4	P1200R	58773R11	NTS Huntsville (Formerly Wyle Labs)	2.38	1.0	1.5
22	FA100A	53276-4	NTS Huntsville (Formerly Wyle Labs)	2.70 3.16	1.0 0.0	1.5
23	Q23225NRB	53276-6 ^{ODE} C	NTS Huntsville (Formerly Wyle Labs)	2.46 3.10	1.0 0.0	1.5
24	J250R	53276-4	NTS Huntsville (Formerly Wyle Labs)	2.70 3.16	1.0 0.0	1.5
25	J250AWK	53276-2 051-0064	NTS Huntsville (Formerly Wyle Labs)	2.51 3.10	1.0 0.0	1.5
27	LA400AWK	53276-5 By: William Stae	NTS H <mark>untsvi</mark> lle (Formerly Wyle Labs)	2.50 3.17	1.0 0.0	1.5
		DATE 04/06/202				
	S.	BAILEGIIGOIZGE	200			
		COP	OF.			
		OPNIA BUILDING	Co			
Madage						
Notes:						



UUT 3

1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

Model Number: J250DS Serial Number: N/A

Product Construction Summary:

Stainless steel enclosure

Options/Subcomponent Summary:

JDL36250 250A Molded Case Circuit Breaker

			UUT Pr	operties		7					
Weight			Lowest Natural Frequency (Hz)								
(lb)	Depth	Depth Width SHeight 64				-Back	Side	-Side	Vertical		
28	7.94 9.72 32.26				//////////////////////////////////////	/A	N	/A	N	/A	
		UUT Highe.	st Passed S	eismic Run	Inform	ation					
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CDC	2019	ICC-ES AC15	612004/0	2,38	1.0	1.5	3.81	2.86	2.05	0.83	
CBC	, 2013	ICC-ES ACIS	075004)/	3.06	0.0	1.5	3.01	2.00	2.03	0.63	

Test Mounting Details:



UUT was rigid wall mounted using (3) 1/4" grade 5 bolts and flat washers torqued to 7 ft-lbs.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.



UUT 4

1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

Model Number: P1200R Serial Number: N/A

Product Construction Summary:

Carbon steel enclosure

Options/Subcomponent Summary:

PLL34000S12 1200A Molded Case Circuit Breaker

			UUT Pro	operties		7						
Weight Dimension (in)						Lowes	t Natural	Frequen	cy (Hz)			
(lb)	Depth	Width OSHeight 64			Front-Back Side-			-Side Vertical		tical		
160	9.75	9.75 21 52			N/A		N/A		N/A			
		UUT Highes	st Passed Se	eismic Run	Informa	ation						
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CDO	C 2019	ICC ES AC1E	ICC-ES AC156 (2004)		1.0	1.5	3.81	2.00		0.83		
CBC	C 2013	ICC-ES ACIS	012004)/01	3.06	0.0	1.5	3.81	2.86	2.05	0.83		

Test Mounting Details:



UUT was rigid wall mounted using (4) 1/4" grade 5 bolts and flat washers torqued to 7 ft-lbs. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



UUT 22

1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

Model Number: FA100A Serial Number: N/A

Product Construction Summary:

Carbon steel enclosure

Options/Subcomponent Summary:

FAL34100 100A Molded Case Circuit Breaker

			\sim	 									
	UUT Properties												
Weight		Lowest	t Natural	Frequen	cy (Hz)								
(lb)	Depth	Width OS Height 64			Front	-Back	Side-Side		Vertical				
13	4.88 9.13 19.5				//////////////////////////////////////	/A	N/A		N/A				
		UUT Highe.	st Passed Se	eismic Rur	Informa	ation			,				
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CDC	2019	ICC FC AC1F	-ES AC156 (2004)		1.0		4.22	2.24	2.12	0.85			
CBC	C 2019	ICC-ES ACIS	0 (2004)	3.16	0.0	1.5	4.32	3.24	2.12	0.85			

Test Mounting Details:



UUT was rigid wall mounted using (3) 1/4" grade 5 bolts and flat washers torqued to 7 ft-lbs. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



UUT 23

1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

Model Number: Q23225NRB Serial Number: N/A

Product Construction Summary:

Carbon steel enclosure

Options/Subcomponent Summary:

QBL32225 225A Molded Case Circuit Breaker

					MANAAN C								
			UUT PI	roperties		7							
Weight		Dimension (in	nsion (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OSR	eight 64	tht 64 Front-Back			Side-Side		tical			
23	5.5	5.5 9.88 26.2			WWW.WWW.N	I/A	N/A		N/A				
		UUT Highe:	st Passed S	eismic Rur	Inform.	ation			,				
Buildi	ing Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CDO	C 2019	ICC-ES AC15	c (2604/0	2,46	1.0	1 5	3.94	2.95	2.08	0.84			
CBC	2019	ICC-ES ACIS	6 <u>1</u> 2004)/	3.10	0.0	1.5	3.94	2.95	2.08	0.84			

Test Mounting Details:



UUT was rigid wall mounted using (3) 1/4" grade 5 bolts and flat washers torqued to 7 ft-lbs. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



UUT 24

1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

Model Number: J250R Serial Number: N/A

Product Construction Summary:

Carbon steel enclosure

Options/Subcomponent Summary:

JGL36250 250A Molded Case Circuit Breaker

			UUT Pr	operties		Z.				
Weight		Lowest Natural Frequency (Hz)								
(lb)	Depth	Width OS Height 64			Front-Back		Side-Side		Vertical	
34	6.28 14.47 31.05				M/A		N/A		N/A	
		UUT Highes	st Passed S	eismic Rur	Inform	ation				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2019	ICC-ES AC15	612604/0	c/2,70 ₀	1.0	1.5	4.32	3.24	2.12	0.85
СВС	. 2019	ICC-ES ACIS	042004)/	3.16	0.0	1.5	4.32	3.24	2.12	0.65

Test Mounting Details:



UUT was rigid wall mounted using (4) 1/4" grade 5 bolts and flat washers torqued to 7 ft-lbs. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

TRU Compliance, by Structural Integrity Associates, Inc.

04/06/2021 OSP-0064 Page 13 of 15



UUT 25

1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

Model Number: J250AWK Serial Number: N/A

Product Construction Summary:

Carbon steel enclosure

Options/Subcomponent Summary:

JGL36250 250A Molded Case Circuit Breaker

			UUT Pro	operties		7					
Weight	Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OS Height 64		Front-Back		Side-Side		Vertical		
24	7.94	9.72	32	26 N/A		N/A		N/A			
		UUT Highe:	st Passed Se	eismic Run	Inform	ation					
Building Code		Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2019		ICC-ES AC156 (2004) / O		2,51	1.0	1.5	4.01	3.01	2.07	0.84	
				3.10	0.0						

Test Mounting Details:



UUT was rigid wall mounted using (3) 1/4" grade 5 bolts and flat washers torqued to 7 ft-lbs. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



UUT 27

1801118-CR-001 R0

Manufacturer: Schneider Electric

Model Line: 15 - 1200A Enclosed Circuit Breakers

Model Number: LA400AWK Serial Number: N/A

Product Construction Summary:

Carbon steel enclosure

Options/Subcomponent Summary:

LAL36400 400A Molded Case Circuit Breaker

			UUT Pr	operties		7					
Weight	Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OS Height 64		Front-Back		Side-Side		Vertical		
52	7.25	13.75	42	42.25		N/A		N/A		N/A	
		UUT Highes	st Passed S	eismic Rur	Inform	ation					
Building Code		Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2019		ICC-ES AC156 (2004) / O		2,50	1.0	1.5	4.00	3.00	2.12	0.86	
				3.17	0.0						

Test Mounting Details:



UUT was rigid wall mounted using (3) 1/4" grade 5 bolts and flat washers torqued to 7 ft-lbs. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

TRU Compliance, by Structural Integrity Associates, Inc.

04/06/2021 OSP-0064 Page 15 of 15