

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP) **APPLICATION #: OSP-0774** HCAI Special Seismic Certification Preapproval (OSP) X New Type: Renewal Manufacturer Information Manufacturer: **Cummins Power Systems** Manufacturer's Technical Representative: Kollin Kerr Mailing Address: 3850 Victoria Ave. N., Shoreview, MN 55126 Telephone: (651) 787-7056 Email: kollin.kerr@cummins.com Product Information Product Name: Emergency and Standby Power Systems Product Type: Automatic Transfer Switches Product Model Number: Various (See Attachment) CBR Bypass Transfer Switches. 1200A - 3000A, 208V - 600V. General Description: Mounting Description: Rigid, Floor Mounted Seismic enhancements made to the test units and/or modifications required to address **Tested Seismic Enhancements:** anomalies during the tests shall be incorporated into the production units. Applicant Information Applicant Company Name: TRU Compliance, by Structural Integrity Associates Contact Person: Daniel Zentner Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702 Telephone: (541) 292-5839 Email: dzentner@structint.com

Title: Program Manager



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OSP-0774



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

alifornia Licensed Structural Engineer Responsible for the Engineering and Test Report(s)	
ompany Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.	
ame: LACHEZAR HANDZHIYSKI California License Number: S6515	
lailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138	
Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC. Name: LACHEZAR HANDZHIYSKI California License Number: S6515 Mailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138 Telephone: Certification Method GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3 Other (Please Specify): Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL) Contact Person: Jermy Lange Mailing Address: 11034 Indian Trail, Dallas TX 752293513 DATE: 09/01/2023 DATE: 09/01/2023	
Certification Method	
GR-63-Core ICC-ES AC156 IEEE 344 IEEE 693 Other (Please Specify): For CODE Testing Laboratory	
Other (Please Specify):	
EOR CODE CO	
esting Laboratory	
company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)	
contact Person: Jeremy Lange	
lailing Address: 11034 Indian Trail, Dallas TX 752293513	
elephone: (972) 247-9657 Email: Jeremy@etIdallas.com	
O DATE: 09/01/2023	
PLI	
BUILDING	



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Seismic Parameters			
Design Basis of Equipment or Components	s (Fp/Wp) =1.50 (z/h = 1), 1.125 (z/h =	= 0)	
SDS (Design spectral response acce	leration at short period, g) = 2.0 at z/h=	1, 2.5 at z	z/h=0
ap (Amplification factor) =	2.5		
Rp (Response modification factor) =	6.0		
Ω_0 (System overstrength factor) =	2.0		
lp (Importance factor) =	1.5		
z/h (Height ratio factor) =	1 and 0		
Natural frequencies (Hz) =	See Attachment		
Overall dimensions and weight =	See Attachment		
HCAI Approval (For Office Use Only)	Approval Expires on 09/01/2029	E.	
Date: 9/1/2023	OSP-0774	G	
Name: Mohammad Karim		Title:	Supervisor, Health Facilities
Special Seismic Certification Valid Up to: S	SDS (g) = See Above	z/h =	See Above
Condition of Approval (if applicable):	DATE: 09/01/2023		
	OPNIA BUILDING CODE	202	



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2101252-CR-001-R1



Cummins Power Systems TABL								
CBR Bypass Transfer Switches								
nstruction Summary:								
ers: 8ga carbon steel								
nmary:								
00A								
ion:	OF	COD	ECO					
ust be of similar configuration	and equivale	ent strength a	and stiffness	to those test	ed.			
022	Seismic (ertificativ	on Limiter	S _{DS} =	2.0 g z/h=1.0	= <i>1.5</i>		
	Jeisinie	.er tincatit	/// בוווונס.	S _{DS} ≠	2.5 g z/h=0.0			
Model	Dir	nensions	(in)4	Weight	Notes	υυτ		
	Depth	Width	Height	(lbs.)	Notes	001		
CBRF8, <mark>3P, NE</mark> MA1	3 73.9/0	ha49.8na	90.0rin	2,598	<mark>3-Po</mark> le, NEMA 1	Interp		
CBRF8, 3 <mark>P, NE</mark> MA3R	77.0	49.8	92.0	2,847	<mark>3-Po</mark> le, NEMA 3R	Interp		
CBRF8, 4 <mark>P, NE</mark> MA1	73.9	49.8	90.0	4,321	<mark>4-Po</mark> le, NEMA 1	Interp		
CBRF8, 4P, NEMA3R	77.0	49.8	92.0	4,570	4-Pole, NEMA 3R	Interp		
CBRG8, 3P, NEMA1	73.9	49.8	90.0	2,598	3-Pole, NEMA 1	Interp		
CBRG8, 3P, NEMA3R	77.0	49.8	92.0	2,847	3-Pole, NEMA 3R	Interp		
CBRG8, 4P, NEMA1	73.9	49.8	90.0	4,321	4-Pole, NEMA 1	Interp		
	77.0	49.8	92.0	4,570	4-Pole, NEMA 3R, standard	Interp		
CDRG8, 4P, NEMASR	77.0	49.8	92.0	4,570	4-Pole, NEMA 3R, test unit	2		
CBRH8, 3P, NEMA1	81.0	59.8	90.0	2,572	3-Pole, NEMA 1	Interp		
CBRH8, 3P, NEMA3R	84.1	59.8	92.0	2,866	3-Pole, NEMA 3R	Interp		
	81.0	59.8	90.0	5,434	4-Pole, NEMA 1	Interp		
CBRH8, 4P, NEMA1	01.0							
	84.1	59.8	92.0	5,728	4-Pole, NEMA 3R, standard ¹	Interp		
CBRH8, 4P, NEMA1 CBRH8, 4P, NEMA3R		59.8 59.8	92.0 92.0	5,728 6,030	<i>4-Pole, NEMA 3R, standard</i> ¹ <i>4-Pole, NEMA 3R, test unit</i> ¹	Interp 1		
	n steel ers: 8ga carbon steel mmary: 00A ion: ust be of similar configuration 022 Modet CBRF8, 3P, NEMA1 CBRF8, 4P, NEMA1 CBRF8, 4P, NEMA3R CBRF8, 4P, NEMA1 CBRG8, 3P, NEMA1 CBRG8, 3P, NEMA1 CBRG8, 4P, NEMA3R CBRG8, 4P, NEMA1 CBRG8, 4P, NEMA3R	n steel ers: 8ga carbon steel mmary: 00A ion: ust be of similar configuration and equivale 022 Seismic C Modet Dir Depth CBRF8, 3P, NEMA1 73.9 CBRF8, 4P, NEMA1 73.9 CBRG8, 3P, NEMA1 73.9 CBRG8, 3P, NEMA1 73.9 CBRG8, 3P, NEMA1 73.9 CBRG8, 3P, NEMA1 73.9 CBRG8, 4P, NEMA1 73.9 CBRG8, 4P, NEMA1 73.9 CBRG8, 4P, NEMA1 73.9 CBRG8, 4P, NEMA1 73.9	n steel ers: 8ga carbon steel mmary: 00A ion: 022 Modet Modet Dimensions Depth Width CBRF8, 3P, NEMA1 CBRF8, 4P, NEMA1 CBRG8, 3P, NEMA1 CBRG8, 3P, NEMA1 CBRG8, 3P, NEMA1 CBRG8, 4P, NEMA3 CBRG8,	nstruction Summary: n steel ers: 8ga carbon steel mmary: DOA ion: ust be of similar configuration and equivalent strength and stiffness O22 Seismic Certification Limits: O22 Seismic Certification Limits: O22 Seismic Certification Limits: O22 CBRF8, 3P, NEMA1 CBRF8, 3P, NEMA1 CBRF8, 4P, NEMA1 CBRG8, 3P, NEMA1 CBRG8, 3P, NEMA1 CBRG8, 4P, NEMA1 CBRG8, 4	Model Dimensions (in) Weight (lbs.) 022 Seismic Certification Limits: 502 505 505 505 505 505 505 505 505 505 505	Dimensions (in) Seismic Certification Limits: Sost 2.5 g z/h=0.0 I/i 002 Seismic Certification Limits: Sost 2.5 g z/h=0.0 I/i 004 Dimensions (in) Weight (lbs.) Notes I/i 002 Seismic Certification Limits: Sost 2.5 g z/h=0.0 I/i 015 Dimensions (in) Weight (lbs.) Notes I/i 016 Dimensions (in) Weight (lbs.) Notes I/i 017 Dimensions (in) Weight (lbs.) Notes I/i 018 CBRF8, 3P, NEMA1 73.9 49.8 90.0 2,598 3-Pole, NEMA1 018 CBRF8, 4P, NEMA1 73.9 49.8 90.0 4,321 4-Pole, NEMA1 018 CBRF8, 3P, NEMA1 73.9 49.8 92.0 2,598 3-Pole, NEMA1 019 CBRF8, 4P, NEMA3R 77.0 49.8 92.0 4,570 4-Pole, NEMA1 019 CBRG8, 3P, NEMA1 73.9 49.8 92.0 2,847 3-Pole, NEMA1 </td		

Notes:

1. Test unit weights exceed standard production weights for their respective models due to added subcomponents.

2. 3-pole models are depopulated and lighter versions of 4-pole models but use the same frame construction. This allows the 3-pole models to be qualified based on tests of 4-pole models.

3. There are no structural differences between NEMA 1 and NEMA 3R versions. Primary difference is weatherproofing seals. This allows the NEMA 1 models to be qualified based on tests of NEMA 3R models.

4. *F*-frame and *G*-frame models use the same frame and enclosure construction and materials. The mechanism is the primary difference but the same overall design is still used. The G-Frame and H-Frame models tested represent the most seismically vulnerable configurations. This allows the F-frame models to be qualified based on tests of G-frame and H-frame models.

2101252-CR-001-R1



Manufacturer: Model Line:	Cummins Power Systems CBR Bypass Transfer Switche	25	Table Description: Electrical Subcomponents				
Building Code: CBC 2022		Seismic Certificat	Seismic Certification Limits: $S_{DS} = 2.0 g z/h = 1.0$ $S_{DS} = 2.5 g z/h = 0.0$				
Component Type	Manufacturer	Model	R CODE Description	Not	es	UUT	
Controller	Cummins	PC80	Bypass Switch Controller	Electronics and Plas	tic	1, 2	
		A064J913	Transfer Switch for CBRH8, 3-pole			Interp.	
		A058W675	Transfer Switch for CBRH8, 4-pole			1	
Transfer Switch	Cummins	A064J909	Transfer Switch for CBRG8, 3-pole	Conner Carbon Stor		Interp.	
Transfer Switch	Cummins	A064J911	Transfer Switch for CBRG8, 4-pole	Copper, Carbon Stee	el, Plastic	2	
		A064J905 BY • N	Transfer Switch for CBRF8, 3-pole			Interp.	
		A064J907	Transfer Switch for CBRF8, 4-pole			Interp.	
		A064J914	Bypass Switch for CBRH8, 3-pole			Interp.	
		A059N002	Bypass Switch for CBRH8, 4-pole			1	
Durana Curitala	Cummins	A064J910	Bypass Switch for CBRG8, 3-pole	Common Combon Char		Interp.	
Bypass Switch		A064J912	Bypass Switch for CBRG8, 4-pole	Copper, Carbon Steel, Plastic		2	
		A064J906	Bypass Switch for CBRF8, 3-pole			Interp.	
		A064J908	Bypass Switch for CBRF8, 4-pole			Interp.	
Solid Neutral	Cumping	A067C112	H-Frame Neutral P. for 3P transfer sw	Conner Carbon Sto		1	
Solid Neutral	Cummins	A071Z748	F/G-Frame Neutral P. for 3P transfer sw	Copper, Carbon Steel		2	
Dower Supply	Delta Electronics	DRP-24V120W1BA	2 lbs.	Stainland Staal Flag	tranica	Interp.	
Power Supply	Group	DRP-24V120W2BN	2 lbs.	Stainless Steel, Elec	tronics	1	
Thermostat	Stego	01160.0-00	2 lbs.	Plastic, Copper		1	
Heater	Stego	02810.90-00	2 lbs.	Plastic, Resistive Ele	ment	1	
Fuse Holder	Ferraz Shawmut	USCC1	2 lbs.	Plastic, Copper		1	
Power Meter	Schneider	METSEPN8244	2 lbs.	Plastic, Electronics		1	
PCB	Cummins	A067J612	<i>Source indication PCB branching feedback signals for controls & interlock operations</i>	Plastic, Electronics		1, 2	

2101252-CR-001-R1



<i>Manufacturer: Model Line:</i>	Cummins Power Systems CBR Bypass Transfer Swit	ponents	TABI	.E 2		
Building Code: CBC 2022		Seismic Certifica	tion Limits: $S_{DS} = 2.0 g z/h = 1.0$ $S_{DS} = 2.5 g z/h = 0.0$	<i>I_P</i> = 1.5		
Component Type	Manufacturer	Model	R CODE Description	Not	tes	UUT
		SP50AR	2 lbs.			Interp.
		SP50QR	2 lbs.			Interp.
		SP50SR	2 lbs.			2
	Hammond HPS	SP50KHR	216s.P-0774			Interp.
		PH1000AJ	26 lbs.			Interp.
Transformer		PH1000SP BV·	M ²⁶ lbs.mad Karim	Diantia Charl Comm		2
		PH1000MGJ	26 lbs.	Plastic, Steel, Copp	er windings	Interp.
		PH1000MQMJ	26 lbs.			Interp.
		B050-2001-GA	4 lbs.			1
	Mieron	B050-2041-GA	4 lbs.			Interp.
	Micron	B050-2101-GA	4 lbs.			Interp.
		B150-2044-GAF	10 lbs.			1
	Electroswitch Co.	78PJ03A-011	Lockout Relay			1
Drotostivo Dolovo	Schweitzer Electric	SEL 751	Power Relay	Diantia Electronica		1
Protective Relays	Time Mark Co.	360-24V1SEC	Timing Relay	Plastic, Electronics		1
	Basler Electric	ES-32	Power Relay			2
		YA29A3	2 lbs., 250MCM Compression Lug			Interp.
		YA30A3	2 lbs., 300MCM Compression Lug			Interp.
		YA31A3	2 lbs., 350MCM Compression Lug			Interp.
Power Cable Lugs	BURNDY	YA32A3	2 lbs., 400MCM Compression Lug	Aluminum/Copper		Interp.
		YA34A3	2 lbs., 500MCM Compression Lug			Interp.
		YA36A3	2 lbs., 600MCM Compression Lug			Interp.
		YA39A5	2 lbs., 750MCM Compression Lug			1, 2

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2101252-CR-001-R1



Manufacturer: Model Line:	Cummins Power Systems CBR Bypass Transfer Swite	nents	TABLE 2		
Building Code: CBC 2	2022	Seismic Certificati	ion Limits: $S_{DS} = 2.0 g z/h = 1.0$ $S_{DS} = 2.5 g z/h = 0.0$	<i>I_P</i> = 1.5	
Component Type	Manufacturer	Model	R CODE Description	Not	es UUT
	Cummins/ILSCO —	A054S076	3 lbs., H-frame Right-hand Mechanical Lug		1
		A054S078	3 lbs., H-frame Left-hand Mechanical Lug		1
Power Cable Lugs		D3980	3lbs., G-frame Mechanical Lug	Aluminum/Copper	2
	ILSCO	D3984	3 lbs., F-frame Mechanical Lug		Interp
		PB4-750	3 lbs., Ground Lug		1, 2
Display	Square D	SPD Display	Display for Surge Device	Plastic, Electronics	1
		TVS1IMA1201	10 lbs.		Inter
		TVS2IMA1201	10 lbs.		Inter
		TV <mark>S3IMA1201</mark>	10 lbs.		Inter
		TVS4IMA1201	10 lbs.		Interp
		TVS5IMA1201	10 lbs.		Interp
		TVS6IMA1201	10 lbs.		Interp
		TVS8IMA1201	10 lbs.		Interp
		TVS9IMA1201	10 lbs.		Interp
Surge Suppressor	Square D	TVS1IMA24O1	10 lbs.	Copper, Plastic, Alun	ninum, PCB Interp
		TVS2IMA24O1	10 lbs.		1, 2
		TVS3IMA24O1	10 lbs.		Interp
		TVS4IMA24O1	10 lbs.		Inter
		TVS5IMA24O1	10 lbs.		Inter
		TVS6IMA24O1	10 lbs.		Inter
		TVS8IMA2401	10 lbs.		Inter
		TVS4HIMA12O1	10 lbs.		Inter
		TVS8HIMA12O1	10 lbs.		Inter

2101252-CR-001-R1



<i>Manufacturer: Model Line:</i>	Cummins Power Systems CBR Bypass Transfer Swite		Table Desc	ccription: Electrical Subcompo	onents	TABI	-E 2
Building Code: CBC 2022		Seismic Certificat	tion Limits:	S _{DS} = 2.0g z/h = 1.0 S _{DS} = 2.5g z/h = 0.0	<i>I_P</i> = 1.5		
Component Type	Manufacturer	Model	SR COE	E Description	No	otes	UUT
Surge Suppressor	Square D	TVS4HIMA2401 TVS9IMA1801 TVS8HIMA1801	10 lbs. 10 lbs. 10 lbs.	A LER	Copper, Plastic, Alu	ıminum, PCB	Interp. Interp. Interp.
			OSP-0	774			
		DAT ELOPATA	Mohamma E: 09/01	ad Karim			

UNIT UNDER TEST (UUT) SUMMARY SHEET



2101252-CR-001-R1

UUT	Unit Description	Report Number	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	۱ _Р
1	H-Frame, 4-Pole, NEMA 3R	2101252-TR-001-R1	Environmental Testing Lab (ETL)	2022	Yes	2.0 2.5	1.0 0.0	1.5
G-Frame, 4-Pole, NEMA 3R	2101252-TR-001-R1	Environmental Testing Lab (ETL)	2022	Yes	2.0 2.5	1.0 0.0	1.5	
		NED FOR	CODE CC	Mp.				
					2			
			SP-0774					
			hammad Kari		0			
		C DATE:	09/01/2023		22			
		KORNIA P		004				
		B	UILDING					
tes:								

UNIT UNDER TEST (UUT) SUMMARY SHEET

2101252-CR-001-R1



Model Line: CBR	2H8-3000	Dim 0th	UUT ension (in) Width 59.8	Height	Test Re	Lowes	t Natural	?-TR-001	JUT - <i>R0 (UUT</i> ncy (Hz)	
Model Number: CBR Serial Number: N/A Weight (lbs.) 6,030 Building Code CBC 2022	2H8-3000	Dim oth .1 UUT High	UUT ension (in) Width 59.8) Height		Lowes	t Natural	?-TR-001	-R0 (UUT	
Serial Number: N/A Weight (lbs.) 6,030 Building Code CBC 2022	Dep	oth 1 UUT High	ension (in) Width 59.8) Height		Lowes	t Natural		•	1)
Weight (lbs.) 6,030 Building Code CBC 2022	Dep	oth 1 UUT High	ension (in) Width 59.8) Height		Lowes	-	Freque	ncy (Hz)	
(lbs.) 6,030 Building Code CBC 2022		oth 1 UUT High	Width 59.8	Height	Eront		-	Freque	ncy (Hz)	
6,030 Building Code CBC 2022		.1 UUT High	59.8	-	Eront	_	1			
Building Code CBC 2022	84	UUT High		82.0		-Back	Side	-Side	Ver	tical
CBC 2022		-	act Dagas	92.0	7.	99	5.	14	14	.92
CBC 2022		Test Criter	iest Passel	d Seismic Run In	formatio	n	•			
			a	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
			CORC	002.0	1.0	1 5	2.20	2.40	1.07	0.67
Product Construction St		ICC-ES AC15		2.5	0.0	1.5	3.20	2.40	1.67	0.67
FIGURE CONSTRUCTION ST	ummary:	E		Test Mounting	Details:	-				
Enclosure: 12ga carbon st	teel, NEMA 3	BR;								
Frame primary members:	: 8ga carbon	steel; 4-Pole	WULMULAD		The second	T	X	<.		-
H-Frame, 3000A		4	OSF	2-0774		Su-		10	0	
Options/Subcomponent	t Summa <mark>ry:</mark>						Saf			
Description Mfr.		Part Numbe	r Mohar	nmad Karin	SE	0				
Bypass Switch Cum	nmins	A059N002	-					T		
Controller Cum	nmins	PC80	TE. O	0/01/2022						1
Display Squa	are D	SPD Display	TE. U	9/01/24/23	status (E.			The second	
Fuse Holder Ferra	az Shawmut	USCC1								Ling
Heater Steg	r0	02810.90-00			L					
PCB Cum	nmins	A067J612								
BURI	NDY	YA39A5	4 Du							No. of Lot House o
Power Cable Lugs Cum	nmins/ILSCO	A054S076, A	0545078	DING						
ILSC	0	PB4-750							î -	
Power Meter Schn	neider	METSEPN82	44							
Power Supply Delta Grou	a Electronics Ip	DRP-24V120	W2BN					1		
Eleci	troswitch Co.	78PJ03A-011	!	and the second	-		T		1	
Protective Relays Schw	veitzer Electri	SEL 751				PT				
Time	e Mark Co.	360-24V1SI	EC	1. 1. 10		2.1	11	Mar .		
Solid Neutral Cum	nmins	A067C112					13 /	1		
Surge Suppressor Squa	are D	TVS2IMA24C	21	1						
Thermostat Steg	r0	01160.0-00		1						
Transfer Switch Cum	nmins	A058W675		UUT1 is base mo	unted - rig	gid using	g four (4) 3	/4" Grade	e 5 bolts a	ind
Transformer Micro	on	B050-2001-G B150-2044-G		washers. Unit maintained : manufacturer rec included in testin	quirement	after sh	nake table	test. Cor	-	

UNIT UNDER TEST (UUT) SUMMARY SHEET

2101252-CR-001-R1



Manufacturer:	Cummins Pow	er System	S							
Model Line:	CBR Bypass Tra	-						L 1	JUT	2
Model Number:	CBRG8-2000									-
Serial Number:	N/A				Test Re	port:	2101252	2-TR-001	-RO (UUT	2)
			UU	T Properties		-				
Weight			Dimension (ir	ı)		Lowes	t Natural	Freque	ncy (Hz)	
(lbs.)	De	epth	Width	Height	Front	t-Back	Side	-Side	Ver	tical
4,570	7	7.0	49.8	92.0	11	59	5.	77	17	.34
		UUT	Highest Passe	d Seismic Run In	formatio	on				
Building Co	de	Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022			ACIECOR	002.0	1.0	1.5	2.20	2.40	1.07	0.67
CBC 2022		ICC-ES	AC156	2.5	0.0	1.5	3.20	2.40	1.67	0.67
Product Construct	ion Summary:			Test Mounting	Details:					
Enclosure: 12ga car										
Frame primary mer	nbers: 8ga carbo	n steel; 4-	Pole;			1 de	A A	-		
G-Frame, 2000A		2	OS	P-0774				~		
Options/Subcomp	onent Summa <mark>ry</mark>	r: //////				A.		0		
Description	Mfr.	Part Nu	<i>mbér</i> Moha	mmad kana		20		-		
Bypass Switch	Cummins	A064J9.	12		1	RUL				
Controller	Cummins	PC80		0/01/2022		11		1		
Display	Square D		DATE. C	510172025		V			-	The state
РСВ	Cummins	A067J6.	12			CHIES -	2			E T
Power Cable Lugs	BURNDY	YA39A5			V Les					n la la
Tower Cable Lugs	ILSCO	D3980,	PB4-750		\mathcal{O}	1				
Protective Relays	Basler Electric	ES-32	APU	TNGC		1				
Solid Neutral	Cummins	A071Z7-	48 901			1				
Surge Suppressor	Square D	TVS2IM	A2401							
Transfer Switch	Cummins	A064J9.	11						1	
Transformer	Hammond HPS	SP50SR PH1000							/	
					~			/	1	1
				and the second	Server a		/	1.	1	1 ste
						4		1	1	1
				UUT2 is base mo washers.	unted - ri	gid using	g four (4) 3	/4" Grade	e 5 bolts a	and
				 Wasners. Unit maintained: 	structura	integrit	ty and rem	ained fur	nctional r	er
				manufacturer rec		-	-			
				included in testin	-					-