



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

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

OFFICE USE ONLY

APPLICATION #: **OSP – 0144-10**

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Schneider Electric IT Division

Manufacturer's Technical Representative: Jose Muniz

Mailing Address: Via de la Innovacion #408, Parque PIIT Apodaca, NL. CP 66628 Mexico

Telephone: +52 81 4739 2000 x82869 Email: Jose.Muniz@schneider-electric.com

Product Information

Product Name: Symmetra PX 100kW

Product Type: Uninterrupted Power Supply (UPS)

Product Model Number: See Certified Product Table attached
(List all unique product identification numbers and/or part numbers)

General Description: Symmetra PX 100kW UPS units consist of power modules, power distribution units (with or without Transformers), battery frames, and feed frames. All section types have one available size. InfraStrucXure RPP (remote power panel) units are included as optional equipment. Seismic enhancements made to the UUTs & modifications required to address anomalies observed during the tests shall be incorporated into the production units.

Mounting Description: Rigidly mounted to floor

Applicant Information

Applicant Company Name: Schneider Electric IT Division

Contact Person: Jose Muniz

Mailing Address: Via de la Innovacion #408, Parque PIIT Apodaca, NL. CP 66628 Mexico

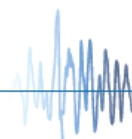
Telephone: +52 81 4739 2000 x82869 Email: Jose.Muniz@schneider-electric.com

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: 12/6/2016

Title: Regulatory Compliance Engineer Company Name: Schneider Electric IT Division

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





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

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

Company Name: Forell/Elsesser Engineers, Inc.

Name: Marco Scanu, SE California License Number: S4454

Mailing Address: 160 Pine St., 6th Flr., San Francisco, CA 94111

Telephone: (415) 837-0700 Email: m.scanu@forell.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): _____

Testing Laboratory 1

Company Name: Wyle Laboratories

Contact Name: Rod Thornberry

Mailing Address: 7800 Hwy 20, Huntsville AL 35806

Telephone: (256) 837-4411 Email: _____

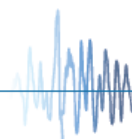
Testing Laboratory 2

Company Name: Dynamic Certification Laboratories

Contact Name: Kelly Laplace

Mailing Address: 1315 Greg Street, Suite 109, Sparks, NV 89431

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





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
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Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: Yes No

Design Basis of Equipment or Components (F_p/W_p) = 1.04

S_{DS} (Design spectral response acceleration at short period, g) = 1.39

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) = 1.0

Equipment or Component Natural Frequencies (Hz) = See attachment, UUT Summary Sheets

Overall dimensions and weight (or range thereof) = See attachment, Certified Products Table

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) = _____

C_d (Deflection amplification factor) = _____

I_p (Importance factor) = 1.5

Height to Center of Gravity above base = _____

Equipment or Component Natural Frequencies (Hz) = _____

Overall dimensions and weight (or range thereof) = _____

Tank(s) designed in accordance with ASME BPVC, 2015: Yes No

List of Attachments Supporting Special Seismic Certification

Test Report(s) Drawings Calculations Manufacturer's Catalog

Other(s) (Please Specify): Certified Products Table, Certified Subcomponents Table, UUT Summary Sheets

OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022

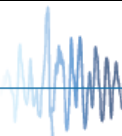
Signature:  Date: 1/9/2017

Print Name: M. R. Karim Title: SHFR

Special Seismic Certification Valid Up to : S_{DS} (g) = 1.39 z/h = 1.0

Condition of Approval (if applicable): _____

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



**Schneider Electric IT Division - Symmetra PX 100kW UPS
I. Certified Product Table**

| System Units | Width | Depth | Height | Max. Weight | Construction Material ¹ | Model Number | Testing Status |
|---|---------|---------|---------|-------------|------------------------------------|-------------------------|----------------|
| UPS Power Module Frame | 23.6 in | 42.1 in | 79.2 in | 805 lbs | 16 - 14 GA CFS, NEMA 1 | SYCF100KF | 57930R10 UUT1 |
| | | | | 1302 lbs | | | 57930R10 UUT2 |
| | | | | 1313 lbs | | | Extrapolated |
| Battery Frame Enclosure | 23.6 in | 42.1 in | 79.2 in | 929 lbs | 16 - 14 GA CFS, NEMA 1 | SYCFXR9 | 57930R10 UUT1 |
| | | | | 2758 lbs | | | 57930R10 UUT2 |
| | | | | 2779 lbs | | | Extrapolated |
| Modular RPP, 144kVA, 208V | 11.8 in | 42.1 in | 79.2 in | 330 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM144F ³ | 57930R10 UUT3a |
| Modular RPP, 277kVA, 400V3 | 11.8 in | 42.1 in | 79.2 in | 360 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM277H ³ | Interpolated |
| Modular RPP, 266kVA, 480:415V | 11.8 in | 42.1 in | 79.2 in | 1210 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM288G6H ³ | 57930R10 UUT3b |
| Symmetra PX100 MBP, 100kVA, 208V | 11.8 in | 42.1 in | 79.2 in | 380 lbs | 16 - 14 GA CFS, NEMA 1 | SYMBP100F | Interpolated |
| Symmetra PX100 Bottom Feed Side Car, 100kVA | 11.8 in | 42.1 in | 79.2 in | 327 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM100SC | 57930R10 UUT2 |
| Modular PDU, 100kVA, 208V, MBP | 23.6 in | 42.1 in | 79.2 in | 900 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM100F-M | 57930R10 UUT1 |
| Modular PDU, 100kVA, 208:208V, MBP | 23.6 in | 42.1 in | 79.2 in | 1954 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM100F6F-M | Extrapolated |
| Modular PDU, 100kVA, 480:208V, MBP | 23.6 in | 42.1 in | 79.2 in | 1920 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM100G6F-M | 57930R10 UUT2 |
| Modular PDU, 100kVA, 600:208V, MBP | 23.6 in | 42.1 in | 79.2 in | 1954 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM100L6F-M | Extrapolated |
| Modular PDU, 100kVA, 480:208V, MBP | 23.6 in | 42.1 in | 79.2 in | 1954 lbs | 16 - 14 GA CFS, NEMA 1 | PDPM100G6F-M | Extrapolated |

1. CFS=Cold Formed Carbon Steel
2. All units are rigidly floor mounted
3. RPP units were tested in a 47.2"-wide multi-section sample and are not intended to be installed alone.

Schneider Electric IT Division - Symmetra PX 100kW UPS

II. Certified Subcomponents Table

| Internal Components | Manufacturer | Part # | Testing Status |
|--------------------------------------|--------------------|--------------|--|
| Frames | | | |
| 12"Wx42"Dx78"H | Schneider Electric | 870-14174D | 57930R10 UUT-3 |
| | | 0M-815185A | Interpolated |
| | | 0G-PDPM100SC | 57930R10 UUT-2 |
| 24"Wx42"Dx79"H | Schneider Electric | 0G-SYCF100KF | 57930R10 UUT-1, 57930R10 UUT-2 |
| | | 0G-SYCFXR9 | 57930R10 UUT-1, 57930R10 UUT-2 |
| | | 0M-11082A | 57930R10 UUT-1 |
| | | 0M-10702 | 57930R10 UUT-2 |
| | | 0G-AR3100 | 57930R10 UUT-3 |
| Power Distribution | | | |
| Busbar 400A (RPP) | Schneider Electric | 0M-9744 | 57930R10 UUT-1, 57930R10 UUT-2, 57930R10 UUT-3 |
| | | 0M-8747 | 57930R10 UUT-3, 31152-1601 UUT-1 |
| Protection and Disconnections | | | |
| Circuit Breaker, 3P, 250A | Square D | 530-2454 | Extrapolated |
| Circuit Breaker, 3P, 400A | Square D | 530-2452 | 57930R10 UUT-1, 57930R10 UUT-2, 31152-1601 UUT-1 |
| | | 530-2552 | 57930R10 UUT-2 |
| | | 530-1913 | 57930R10 UUT-3 |
| Circuit Breaker, 4P, 400A | Square D | 530-2551 | 57930R10 UUT-1, 57930R10 UUT-2 |
| Circuit Breaker, 3P, 600A | Square D | 530-2549 | 57930R10 UUT-1, 57930R10 UUT-2, 31152-1601 UUT-1 |
| Circuit Breaker, 4P, 600A | Square D | 530-2550 | 31152-1601 UUT-1 |
| Power Distribution Modules | | | |
| PDM 20A | Schneider Electric | PDM3520 | 57930R10 UUT-1, 57930R10 UUT-3, 31152-1601 UUT-1 |
| | | PDM1320 | 57930R10 UUT-2, 57930R10 UUT-3, 31152-1601 UUT-1 |
| PDM 30A | Schneider Electric | PDM2330 | Interpolated |
| | | PDM3530 | Interpolated |
| PDM 40A | Schneider Electric | PDM3540 | Interpolated |
| PDM 50A | Schneider Electric | PDM3450 | Interpolated |
| PDM 60A | Schneider Electric | PDM3460 | 57930R10 UUT-2, 57930R10 UUT-3 |

Schneider Electric IT Division - Symmetra PX 100kW UPS

II. Certified Subcomponents Table

| Internal Components | Manufacturer | Part # | Testing Status |
|----------------------------------|--|---------------|--|
| Transformers | | | |
| LVT, 208:208, 150kVA | Philippine Electric Corporation (PhEC) | 430-0664 | Interpolated |
| LVT, 480:208, 150kVA | Philippine Electric Corporation (PhEC) | 430-0663 | 57930R10 UUT-2 |
| | | 430-0361A | Interpolated |
| LVT, 600:208, 150kVA | Philippine Electric Corporation (PhEC) | 430-0662 | Interpolated |
| AUTOTRANSFORMER, 480:415, 288kVA | Philippine Electric Corporation (PhEC) | 430-0462 | 57930R10 UUT-3 |
| LVT, 208:208, 60kVA | Schneider Electric | 430-10064 | 31152-1601 UUT-2 |
| LVT, 208:208, 150kVA | Schneider Electric | 430-10067 | Interpolated |
| LVT, 480:208, 150kVA | Schneider Electric | 430-10063 | Interpolated |
| LVT, 600:208, 150kVA | Schneider Electric | 430-92022 | Interpolated |
| LVT, 480:415, 175kVA | Schneider Electric | 430-10068 | 31152-1601 UUT-1 |
| Miscellaneous (Power) | | | |
| Battery unit | Schneider Electric | SYBTU1-PLP | 57930R10 UUT-1, 57930R10 UUT-2 |
| Battery unit | Schneider Electric | SYBTU2-PLP | Extrapolated ¹ |
| Power Module 10kVA | Schneider Electric | OG-SYPM10KF | 57930R10 UUT-1, 57930R10 UUT-2 |
| Power Module 10kVA | Schneider Electric | OG-SYPM10KF2 | Extrapolated ¹ |
| Static Bypass Switch | Schneider Electric | OG-SYSW100KF | 57930R10 UUT-1, 57930R10 UUT-2 |
| SWITCH GEAR MONITOR ASSEMBLY | Schneider Electric | OG-SYCSGMON | 57930R10 UUT-1, 57930R10 UUT-2 |
| Battery Shelf | Schneider Electric | 870-13409 | 57930R10 UUT-1, 57930R10 UUT-2 |
| Miscellaneous (Control) | | | |
| Display Assy. (122 X 32 dot) | Schneider Electric | OG-9233 | 57930R10 UUT-3 31152-1601 UUT-1 |
| PCB Type XRDP MR1 | Schneider Electric | OG-9354 | 57930R10 UUT-1, 57930R10 UUT-2 |
| PCB Type XRDP MR1 | Schneider Electric | OG-9354-01 | 57930R10 UUT-3 |
| PCB Metering + PS | Schneider Electric | OG-SY2CSPS | 57930R10 UUT-1, 57930R10 UUT-2 |
| GENERIC XR COMM ASSY PX2 | SCHNEIDER ELECTRIC | OG-SY2CXRCOM | 57930R10 UUT-1, 57930R10 UUT-2 |
| INTELLIGENCE MOD PX2 208V | SCHNEIDER ELECTRIC | OG-SYMIM16-KF | 57930R10 UUT-1, 57930R10 UUT-2 |
| BATTERY MONITOR ASSEMBLY PX2 | SCHNEIDER ELECTRIC | OG-SYC2BTMON | 57930R10 UUT-1, 57930R10 UUT-2 |
| PCB TYPE SYM PDU | Schneider Electric | OP3464 | 57930R10 UUT-1, 57930R10 UUT-2 |
| 3Pole, 5A Control Breaker | Schneider Electric | 530-1136 | 57930R10 UUT-3 |
| 1Pole, 5A Control Breaker | Schneider Electric | 530-1497 | 57930R10 UUT-1, 57930R10 UUT-2, 31152-1601 UUT-1 |
| 240VAC, 50/60Hz (230CFM) Fan | EBM | 490-2187 | 57930R10 UUT-2 |

Note 1: Structurally identical to tested unit except for branding.

OSP APPLICATION
Schneider Electric- Symmetra PX 100kW UPS
III. UUT Summary Sheets

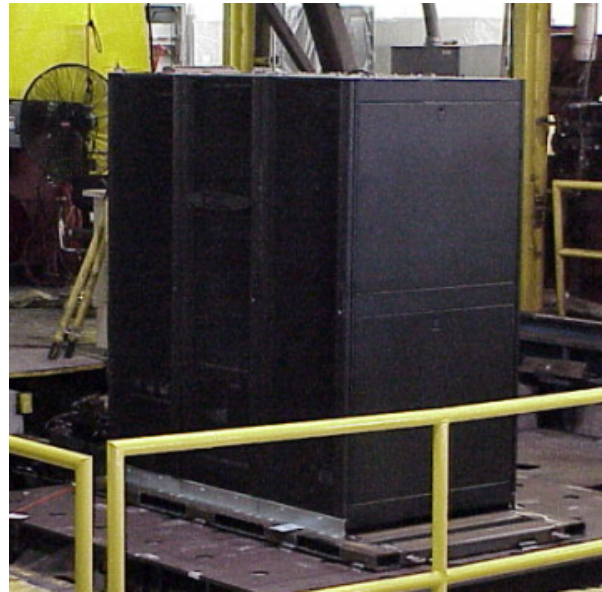
Date: 1/2/2017

Test Report 57930R10 – UUT 1

Symmetra PX 100kW (min. Loading)

70" W x 43" D x 79" H, 2,634 lbs.

Floor mounted using: (24) ½" - 13 Grade 5 bolts



| System Unit | Width | Depth | Height | Weight | Material | Component No. |
|-------------------------|---------|---------|---------|---------|--------------|---------------|
| UPS Power Module Frame | 23.6 in | 42.1 in | 79.2 in | 805 lbs | 16-14 GA CFS | SYCF100KF |
| Battery Frame Enclosure | 23.6 in | 42.1 in | 79.2 in | 929 lbs | 16-14 GA CFS | SYCFXR9 |
| Power Distribution Unit | 23.6 in | 42.1 in | 79.2 in | 900 lbs | 16-14 GA CFS | PDPM100F-M |

CFS=Cold Formed Carbon Steel

| Building Code | Test Criteria | S _{DS} (g) | z/h | Horizontal | | Vertical | |
|---------------------|------------------|---------------------|--|------------------------|------------------------|------------------------|------------------------|
| | | | | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-H} (g) |
| CBC 2016 | ICC-ES AC 156 | 1.45 | 1 | 2.32 | 1.74 | 0.97 | 0.39 |
| Natural Frequencies | | | Test Results | | | | |
| F-B | S-S | V | The UUT maintained structural integrity and functionality after the AC156 test. UUT full of contents during testing. | | | | |
| 13.0 | 6.8 | 15 | | | | | |

OSP APPLICATION
Schneider Electric- Symmetra PX 100kW UPS
III. UUT Summary Sheets

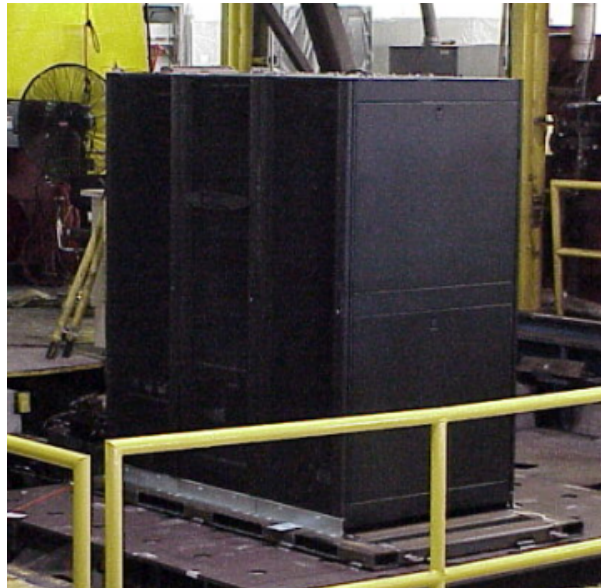
Date: 1/2/2017

Test Report 57930R10 – UUT 1, cont'd

Symmetra PX 100kW (min. Loading)

70"W x 43"D x 79" H, 2,634 lbs.

Floor mounted using: (24) ½" - 13 Grade 5 bolts



| Internal Components | Manufacturer | Part # |
|--|--------------------|---------------|
| FRAME 1.6mm (16GA), 79Hx24Wx42D in SSW / BYPASS ASSEMBLY | Schneider Electric | 0G-SYCF100KF |
| SWITCH GEAR MONITOR ASSEMBLY | Schneider Electric | 0G-SYSW100KF |
| PCB Type XRDP MR1 | Schneider Electric | 0G-SYCSGMON |
| PCB Metering + PS | Schneider Electric | 0G-9354 |
| GENERIC XR COMM ASSY PX2 | Schneider Electric | 0G-SY2CSPS |
| INTELLIGENCE MOD PX2 208V | Schneider Electric | 0G-SY2CXRCOM |
| SYMMETRA PX 10kW POWER MODULE | Schneider Electric | 0G-SYMIM16-KF |
| FRAME 2.0mm (14 GA), 79Hx24Wx42D in | Schneider Electric | SYPM10KF |
| BATTERY MONITOR ASSEMBLY PX2 | Schneider Electric | 0G-SYCFXR9 |
| SYMMETRA PX BATTERY UNIT | Schneider Electric | 0G-SYC2BTMON |
| Battery Shelf | Schneider Electric | SYBTU1-PLP |
| FRAME 2.6mm (12 GA), 78Hx24Wx42D | Schneider Electric | 870-13409 |
| BUSBAR 400A (RPP) | Schneider Electric | 0M-11082A |
| CIRCUIT BREAKER 4P, 400A | Schneider Electric | 0M-9744 |
| CIRCUIT BREAKER 3P, 600A | Square D | 530-2551 |
| CIRCUIT BREAKER 3P, 400A | Square D | 530-2549 |
| PCB TYPE SYM PDU | Square D | 530-2452 |
| CONTROL BREAKER 1P, 5A | Schneider Electric | 0P3464 |
| PDM 20A | Schneider Electric | 530-1497 |
| | Schneider Electric | PDM3520 |

Schneider Electric- Symmetra PX 100kW UPS

III. UUT Summary Sheets

Test Report 57930R10 – UUT 2

Symmetra PX 100kW (max. Loading)

83”W x 43”D x 79” H, 6,307 lbs.

Floor mounted using: (28) ½”- 13 Grade 5 bolts



| System Unit | Width | Depth | Height | Weight | Material | Component No. |
|-------------------------|---------|---------|---------|----------|--------------|---------------|
| UPS Power Module Frame | 23.6 in | 42.1 in | 79.2 in | 1302 lbs | 16-14 GA CFS | SYCF100KF |
| Battery Frame Enclosure | 23.6 in | 42.1 in | 79.2 in | 2758 lbs | 16-14 GA CFS | SYCFXR9 |
| Power Distribution Unit | 23.6 in | 42.1 in | 79.2 in | 1920 lbs | 16-14 GA CFS | PDPM100G6F-M |
| Bottom Feed | 11.8 in | 42.1 in | 79.2 in | 327 lbs | 16-14 GA CFS | PDPM100SC |

| Building Code | Test Criteria | S _{Ds} (g) | z/h | Horizontal | | Vertical | |
|---------------------|------------------|---------------------|--|------------------------|------------------------|------------------------|------------------------|
| | | | | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-H} (g) |
| CBC 2016 | ICC-ES AC 156 | 1.63 | 1 | 2.61 | 1.96 | 1.09 | 0.44 |
| Natural Frequencies | | | Test Results | | | | |
| F-B | S-S | V | The UUT maintained structural integrity and functionality after the AC156 test. UUT full of contents during testing. | | | | |
| 6.8 | 4.5 | 19 | | | | | |

Schneider Electric- Symmetra PX 100kW UPS

III. UUT Summary Sheets

Test Report 57930R10 – UUT 2, cont'd

Symmetra PX 100kW (max. Loading)

83"W x 43"D x 79" H, 6,307 lbs.

Floor mounted using: (28) ½" - 13 Grade 5 bolts



| Internal Components | Manufacturer | Part # |
|-------------------------------------|--------------------|---------------|
| FRAME 1.6mm (16GA), 79Hx24Wx42D in | Schneider Electric | 0G-SYCF100KF |
| SSW / BYPASS ASSEMBLY | Schneider Electric | 0G-SYSW100KF |
| SWITCH GEAR MONITOR ASSEMBLY | Schneider Electric | 0G-SYCSGMON |
| PCB Type XRDP MR1 | Schneider Electric | 0G-9354 |
| PCB Metering + PS | Schneider Electric | 0G-SY2CSPS |
| GENERIC XR COMM ASSY PX2 | Schneider Electric | 0G-SY2CXRCOM |
| INTELLIGENCE MOD PX2 208V | Schneider Electric | 0G-SYMIM16-KF |
| SYMMETRA PX 10kW POWER MODULE | Schneider Electric | 0G-SYPM10KF |
| FRAME 2.0mm (14 GA), 79Hx24Wx42D in | Schneider Electric | 0G-SYCFXR9 |
| BATTERY MONITOR ASSEMBLY PX2 | Schneider Electric | 0G-SYC2BTMON |
| APC SYMMETRA PX BATTERY UNIT | Schneider Electric | SYBTU1-PLP |
| Battery Shelf | Schneider Electric | 870-13409 |
| FRAME 2.6mm (12 GA), 78Hx24Wx42D | Schneider Electric | 0M-10702 |
| LV TRANSFORMER 480:208, 150kVA | Ph.E.C. | 430-0663 |
| BUSBAR 400A (RPP) | Schneider Electric | 0M-9744 |
| CIRCUIT BREAKER 4P, 400A | Square D | 530-2551 |
| CIRCUIT BREAKER 3P, 400A | Square D | 530-2552 |
| CIRCUIT BREAKER 3P, 600A | Square D | 530-2549 |
| CIRCUIT BREAKER 3P, 400A | Square D | 530-2452 |
| PCB TYPE SYM PDU | Schneider Electric | 0P3464 |
| FAN 240VAC, 50/60Hz (230CFM) | EBM | 490-2187 |
| CONTROL BREAKER 1P, 5A | Schneider Electric | 530-1497 |
| PDM 20A | Schneider Electric | PDM1320 |
| PDM 60A | Schneider Electric | PDM3460 |
| FRAME 1.52mm (16GA), 78Hx12Wx42D | Schneider Electric | 0G-PDPM100SC |

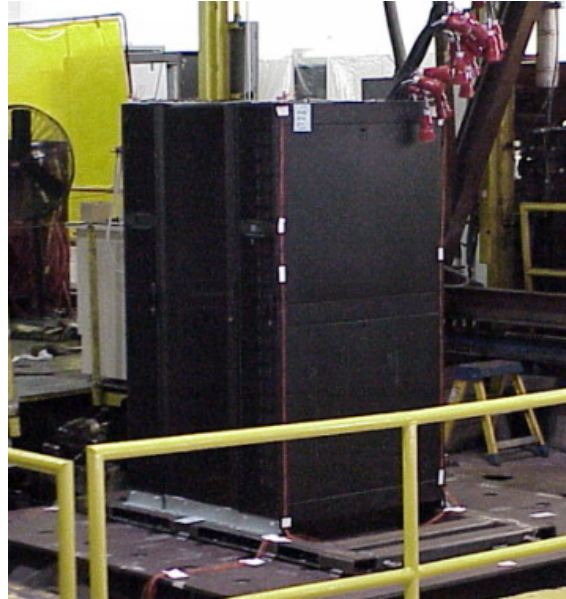
OSP APPLICATION
Schneider Electric- Symmetra PX 100kW UPS
III. UUT Summary Sheets

Date: 1/2/2017

Test Report 57930R10 – UUT 3

InfraStruXure RPP
47”W x 44”D x 79” H, 1738 lbs.
Floor mounted using: (16) ½”- 13 Grade 5 bolts

UUT3a on Left, UUT3b on Right



| System Unit | Width | Depth | Height | Weight | Material | Component No. |
|--------------------|---------|---------|---------|----------|--------------|----------------|
| Remote Power Panel | 11.8 in | 42.1 in | 79.2 in | 330 lbs | 16-14 GA CFS | PDPM144F |
| AR3100 Cabinet | 23.6 in | 42.1 in | 79.2 in | 198 lbs | 16-14 GA CFS | AR3100 Cabinet |
| Remote Power Panel | 11.8 in | 42.1 in | 79.2 in | 1210 lbs | 16-14 GA CFS | PDPM288G6H |

| Building Code | Test Criteria | S _{Ds} (g) | z/h | Horizontal | | Vertical | |
|---------------------|------------------|---------------------|--|------------------------|------------------------|------------------------|------------------------|
| | | | | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-H} (g) |
| CBC 2016 | ICC-ES AC 156 | 1.41 | 1 | 2.26 | 1.69 | 0.94 | 0.38 |
| Natural Frequencies | | | Test Results | | | | |
| F-B | S-S | V | The UUT maintained structural integrity and functionality after the AC156 test. UUT full of contents during testing. | | | | |
| 9.6 | 3.8 | 31.0 | | | | | |

| Internal Components | Manufacturer | Part # |
|------------------------------------|--|------------|
| FRAME 1.6mm (16GA), 78Hx12Wx42D | Schneider Electric | 870-14174D |
| BUSBAR 400A (RPP) | Schneider Electric | 0M-9744 |
| DISPLAY ASSY. (122 X 32 dot) | Schneider Electric | 0G-9233 |
| PCB TYPE XRDP MR1 | Schneider Electric | 0G-9354-01 |
| CONTROL BREAKER 3P, 5A | Schneider Electric | 530-1136 |
| PDM 20A | Schneider Electric | PDM3520 |
| FRAME 1.6mm (16GA), 79Hx24Wx42D in | Schneider Electric | 0G-AR3100 |
| AUTOTRANSFORMER, 480:415, 288kVA | Philippine Electric Corporation (PhEC) | 430-0462 |
| BUSBAR 400A (RPP) | Schneider Electric | 0M-8747 |
| CIRCUIT BREAKER, 3P, 400A | Square D | 530-1913 |
| PDM 20A | Schneider Electric | PDM1320 |
| PDM 60A | Schneider Electric | PDM3460 |

OSP APPLICATION
 Schneider Electric- Symmetra PX 100kW UPS
 III. UUT Summary Sheets

Date: 1/2/2017

Test Report 31152-1601 – UUT1

Power Distribution Unit 175kVA PDPM175G6H
 24"W x 42"D x 79" H, 2000 lbs.
 Floor mounted using: (8) ½" diameter Grade 5 bolts



| Building Code | Test Criteria | S _{DS} (g) | z/h | Horizontal | | Vertical | |
|----------------------------|------------------|---------------------|--|------------------------|------------------------|------------------------|------------------------|
| | | | | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-H} (g) |
| CBC 2016 | ICC-ES AC 156 | 1.39 | 1 | 2.22 | 1.67 | 0.93 | 0.37 |
| Natural Frequencies | | | Test Results | | | | |
| F-B | S-S | V | The UUT maintained structural integrity and functionality after the AC156 test. UUT full of contents during testing. | | | | |
| 11.5 | 5.5 | 27 | | | | | |

| Subcomponents | Manufacturer | Part # |
|------------------------------------|---------------------|-----------|
| 24"X42"x78"H Frame | Schneider Electric | 0M-814974 |
| Busbar assembly | Schneider Electric | 0M-8747 |
| Circuit breaker 600A | Schneider Electric | 530-2550 |
| Circuit breaker 400A | Schneider Electric | 530-2452 |
| Circuit breaker 600A | Schneider Electric | 530-2549 |
| Xfmr 175kVA 480D 415Y | Schneider Electric | 430-10068 |
| Display assembly | Schneider Electric | 0G-9233 |
| PCB Type XRDP MR2 | Schneider Electric | 0G-9357 |
| Circuit breaker 1Pole, 5A | Schneider Electric | 530-1497 |
| Fan 240VAC, 50/60Hz (2800-3300rpm) | EBM Industries, Inc | 490-0181 |
| PDM 20A | Schneider Electric | PDM3520 |
| PDM 20A | Schneider Electric | PDM1320 |
| Seismic kit | Schneider Electric | SYOPT600 |

OSP APPLICATION
Schneider Electric- Symmetra PX 100kW UPS
III. UUT Summary Sheets

Date: 1/2/2017

Test Report 31152-1601 – UUT2

Power Distribution Unit 60kVA PD60F6FK1

24"W x 36"D x 81" H, 1070 lbs.

Floor mounted using: (4) ½" diameter Grade 5 bolts



| Building Code | Test Criteria | S _{DS} (g) | z/h | Horizontal | | Vertical | |
|----------------------------|------------------|---------------------|--|------------------------|------------------------|------------------------|------------------------|
| | | | | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-H} (g) |
| CBC 2016 | ICC-ES AC 156 | 1.98 | 1 | 3.17 | 2.38 | 1.33 | 0.53 |
| Natural Frequencies | | | Test Results | | | | |
| F-B | S-S | V | The UUT maintained structural integrity and functionality after the AC156 test. UUT full of contents during testing. | | | | |
| 4.5 | 4.5 | 19.5 | | | | | |

| Subcomponents | Manufacturer | Part # |
|----------------------------|--------------------|--------------|
| 23.5"X34.5"x81.5"H Frame | Schneider Electric | 0M-1326B |
| Panel board 42-poles, 225A | Schneider Electric | 530-2189 |
| Xfmr 60kVA 208D 208Y | Schneider Electric | 430-10064 |
| Circuit breaker 175A | ABB | 530-0306 |
| Switch 225A | ABB | 540-0083A |
| Display assembly | Schneider Electric | 0G-9215RM-A |
| Circuit breaker 1Pole, 15A | Airpax | 530-0039-001 |
| PCB Type XPDU MR1 + PS | Schneider Electric | 0M-5103 |
| Seismic kit | Schneider Electric | SYOPT015 |