

# Centennial College – Downsview Campus 30kW Scalable to 40kW Symmetra PX UPS Proposal

## UPS CONFIGURATION

|                                 |                                                                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UPS Model:                      | Symmetra PX 30kW Scalable to 40kW N+1, 208V<br><br>Please note to scale the UPS up to 40kW, the customer will need to purchase an additional 10KW power module, SYPM10KF2, and insert it into the UPS frame.                                                    |
| Mains Input:                    | Single                                                                                                                                                                                                                                                          |
| UPS Rating (kVA/kW/Output PF):  | 30 / 30 / 1.0                                                                                                                                                                                                                                                   |
| Maximum Input Current @ 40kW    | 137A<br><br>Please note that since the UPS is scalable to 40kW, the upstream breakers and feeders will need to be sized for 40kW.                                                                                                                               |
| Recommended Upstream Protection | 175A                                                                                                                                                                                                                                                            |
| Input Voltage:                  | 208V, 3ph, 60Hz (4W+GND)                                                                                                                                                                                                                                        |
| Output Voltage:                 | 208V, 3ph, 60Hz (4W+GND)                                                                                                                                                                                                                                        |
| Output connection:              | Hard wire 5-wire (3P + N + E)                                                                                                                                                                                                                                   |
| Maximum Output Current          | 111A                                                                                                                                                                                                                                                            |
| Runtime (Beginning of Life):    | <b>Using Internal batteries in UPS Frame (maximum four (4) rows of VRLA Batteries):</b><br>6min, 59sec at 30kW<br>4min, 5sec at 40kW<br><br><b>Using the internal batteries plus the Extended Runtime Cabinet, SYCFXR8-8:</b><br>34min at 30kW<br>22min at 40kW |
| Battery Type:                   | Modular VRLA Batteries                                                                                                                                                                                                                                          |
| Maintenance Bypass:             | Maintenance Bypass Panel (Wall Mounted)<br><br>Please note the electrical contractor will need to provide cabling between the maintenance bypass panel and UPS. See the SLD on the following page.                                                              |
| UPS Input Feed Entry:           | Top                                                                                                                                                                                                                                                             |
| UPS Output Cable Exit:          | Top                                                                                                                                                                                                                                                             |
| Accessories:                    | Network Management Card                                                                                                                                                                                                                                         |

### Physical (Weight and Dimensions)

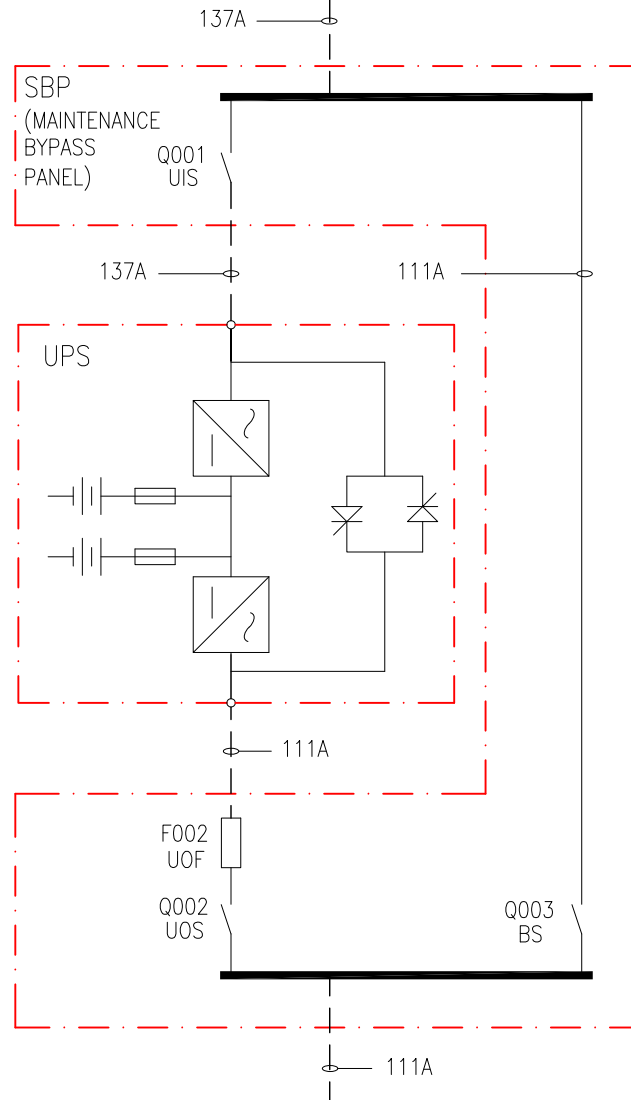
| DESCRIPTION                                                                                                                                                                                                 | QUANTITY | WEIGHT (lbs) | W x H x D (inches)                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|-------------------------------------------|
| Symmetra PX 40kW Scalable to 40kW N+1, 208V (SY40K40F)                                                                                                                                                      | 1        | 1,709        | 23.62" x 81.50" x 35.51"                  |
| Maintenance Bypass Panel (SBP40KFC1M1)                                                                                                                                                                      | 1        | 110.2        | 29.53" x 37.80" x 9.25"<br>(wall mounted) |
| Symmetra PX 40KW Extended Run Battery Frame with 8 Battery Modules & Startup (SYCFXR8-8)                                                                                                                    | 1        | 2,172        | 22.99" x 81.50" x 35.51"                  |
| *Recommended UPS Clearance: 40" front, 36" rear clearance<br>Please note that the extended battery cabinet is only required if the customer needs more runtime. See the runtimes listed in the chart above. |          |              |                                           |

### Schneider Services

- 7x24 UPS start-up and commissioning services
- 1-year on-site repair or replace with factory authorized Start-Up.

UTILITY SOURCE (PROVIDED BY OTHERS)  
208V WYE 4 WIRE + EQUIPMENT GROUND

MIB  
175A.T.



UPS SYSTEM OUTPUT  
40kW  
208V 4 WIRE & EQUIPMENT GROUND

#### NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. -----= CABLING PROVIDED BY OTHERS.
4. F002 (INTERNAL OUTPUT FUSE) = 125A.
5. INPUT OVERCURRENT PROTECTION IS BASED ON 80% RATING, FOR ANY DEVIATION, CONTACT SCHNEIDER ELECTRIC.
6. ALL AC POWER CABLING ARE 4 WIRE+EQUIPMENT GROUND.
7. UPS OUTPUT CABLES AND INPUT CABLES MUST BE IN SEPARATE CONDUITS.
8. POWER WIRING AND CONTROL WIRING MUST BE IN SEPARATE CONDUITS.
9. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLATION CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider Electric**

**TITLE:** Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40kW  
1 MODULE N+1 UPS WITH MAINTENANCE BYPASS PANEL  
SYSTEM ONE LINE DIAGRAM

**PROJECT:** SUBMITTAL DRAWINGS **SHEET** 1 OF 9

**DWG NO:** SYPX-40K40R2FF10SBP

|                  |        |           |
|------------------|--------|-----------|
| <b>DRAWN BY:</b> | BALA   | 31-MAY-16 |
| <b>ENGINEER:</b> | J RING | 31-MAY-16 |

**APPROVED BY:** B S / E S 31-MAY-16

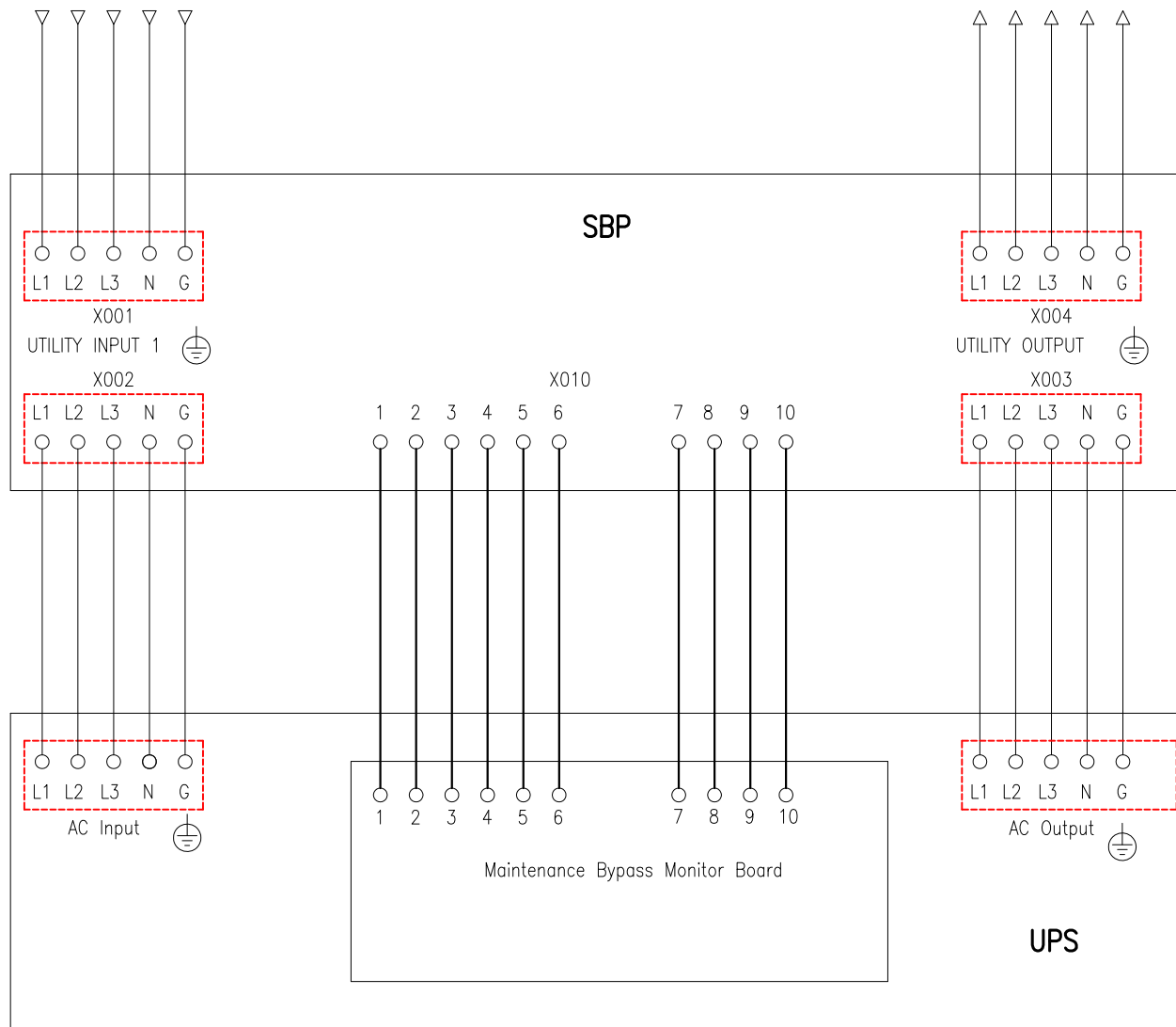
**REV.** 4

**ANGLE**

**PROJECTION**

UTILITY INPUT 208V WYE  
4 WIRE  
+ EQUIPMENT GROUND

SYSTEM OUTPUT 208V  
4 WIRE  
+ EQUIPMENT GROUND



**NOTES:**

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. CABLING PROVIDED BY OTHERS.
4. ALL AC CABLING ARE 4 WIRE+EQUIPMENT GROUND.
5. POWER WIRING AND CONTROL WIRING MUST BE IN SEPARATE CONDUITS.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider Electric**

**TITLE:** Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40kW  
1 MODULE N+1 UPS WITH MAINTENANCE BYPASS PANEL  
SYSTEM WIRING DIAGRAM

**PROJECT:** SUBMITTAL DRAWINGS **SHEET** 2 OF 9

**DWG NO:** SYPX-40K40R2FF10SBP

**DRAWN BY:** BALA 31-MAY-16

**ENGINEER:** J RING 31-MAY-16

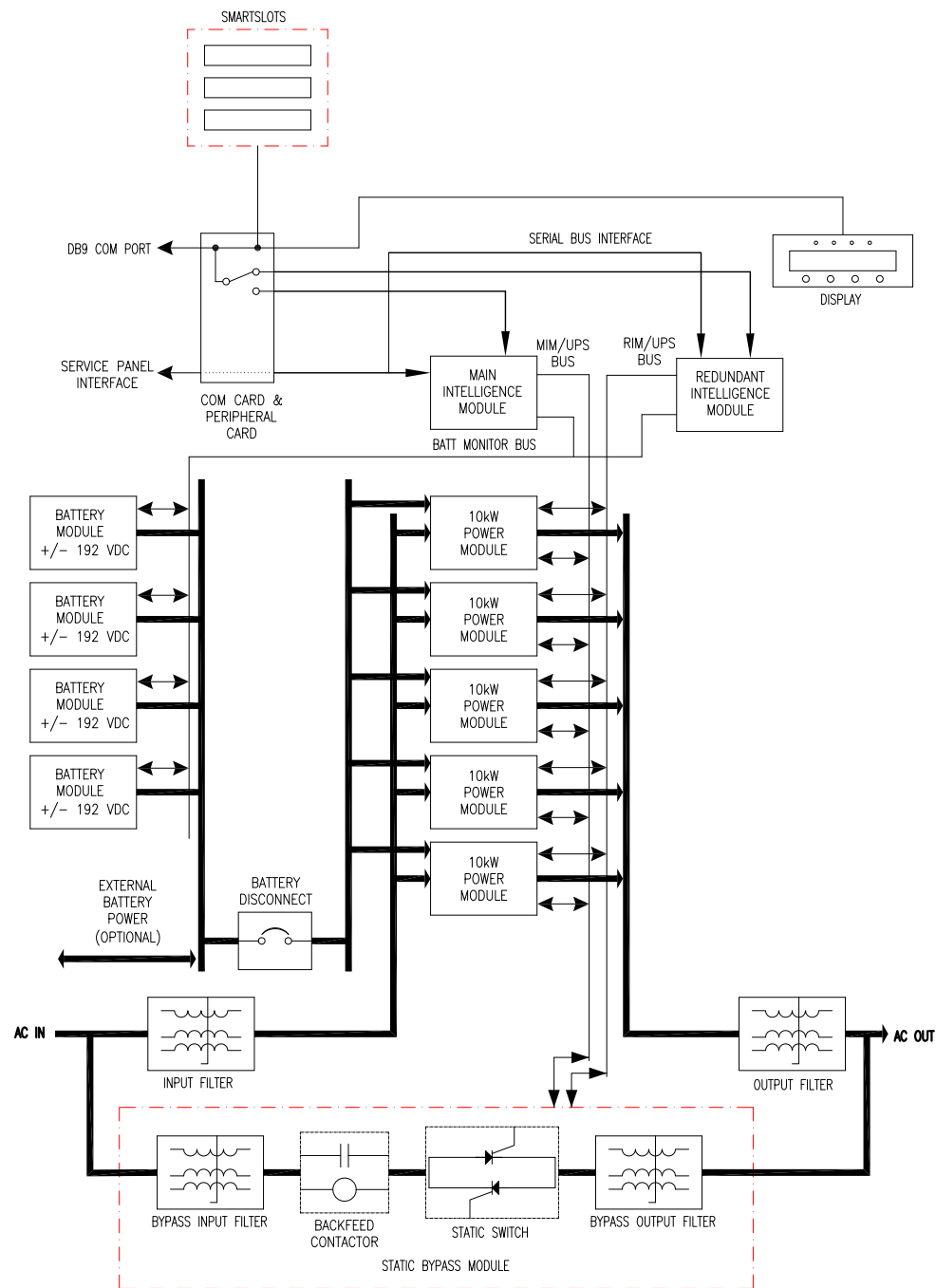
**APPROVED BY:** B S / E S 31-MAY-16

**REV.** 4

**ANGLE**

**PROJECTION**

**N.A.**



# NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider**  
Electric

**TITLE:** Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40kW  
1 MODULE N+1 UPS  
BLOCK DIAGRAM

**PROJECT:** SUBMITTAL DRAWINGS **SHEET** 3 OF 9

**DWG NO:** SYPX-40K40R2FF10SBP

**DRAWN BY:** BALA 31-MAY-16

**ENGINEER:** J RING 31-MAY-16

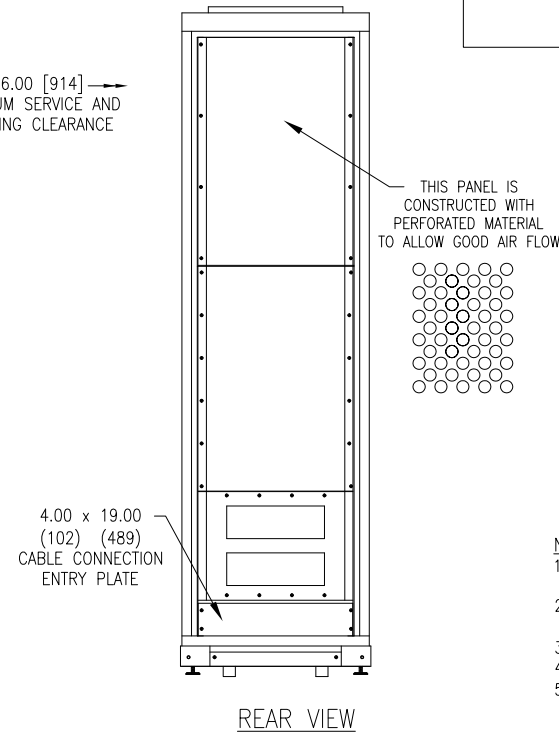
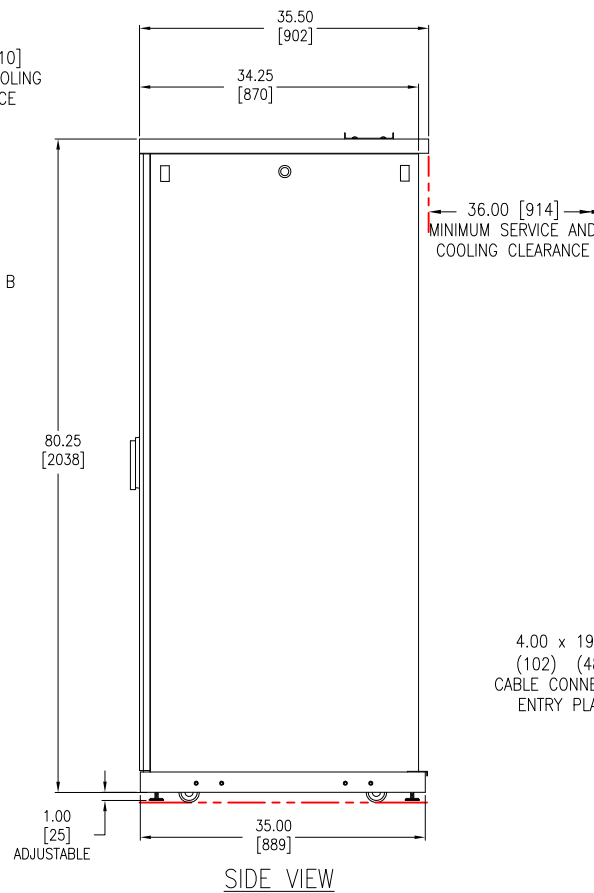
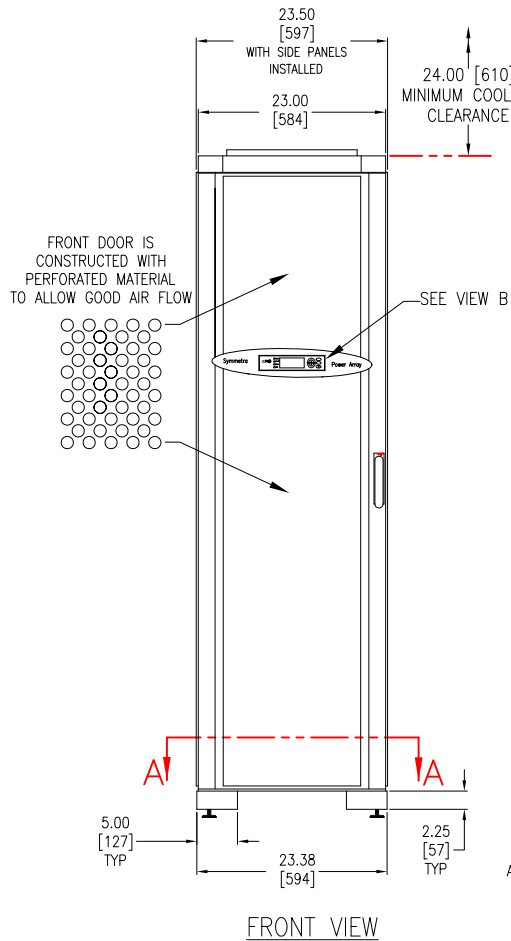
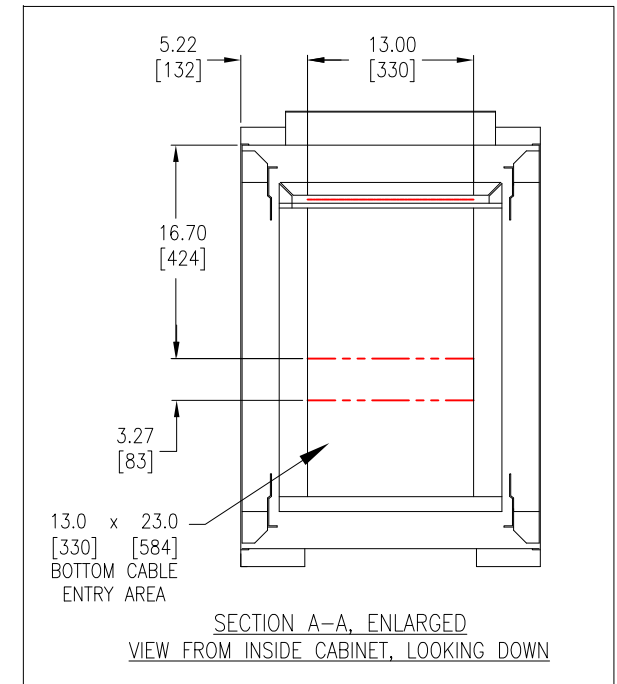
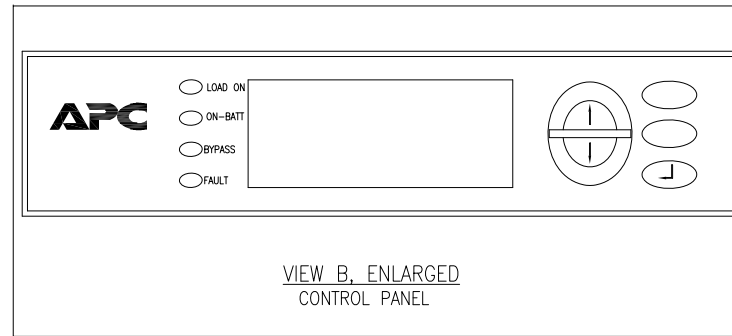
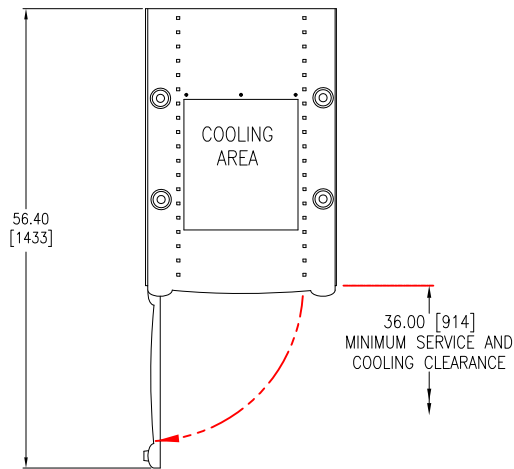
**APPROVED BY:** B S / E S 31-MAY-16

**REV.** 3

**ANGLE**

**PROJECTION**

**N . A**



#### NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. CABLE ENTRY IS BOTTOM OR LOWER BACK PANEL OF ENCLOSURE.
5. NET WEIGHT OF UNIT IS 1705 LBS (775 kg). SHIPPING WEIGHT OF UNIT IS 1808 LBS (822 kg)

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider Electric**

TITLE: Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40kW  
1 MODULE N+1 UPS  
UPS MAIN MECHANICAL

PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 9

DWG NO: SYPX-40K40R2FF10SBP

DRAWN BY: BALA 31-MAY-16

ENGINEER: J RING 31-MAY-16

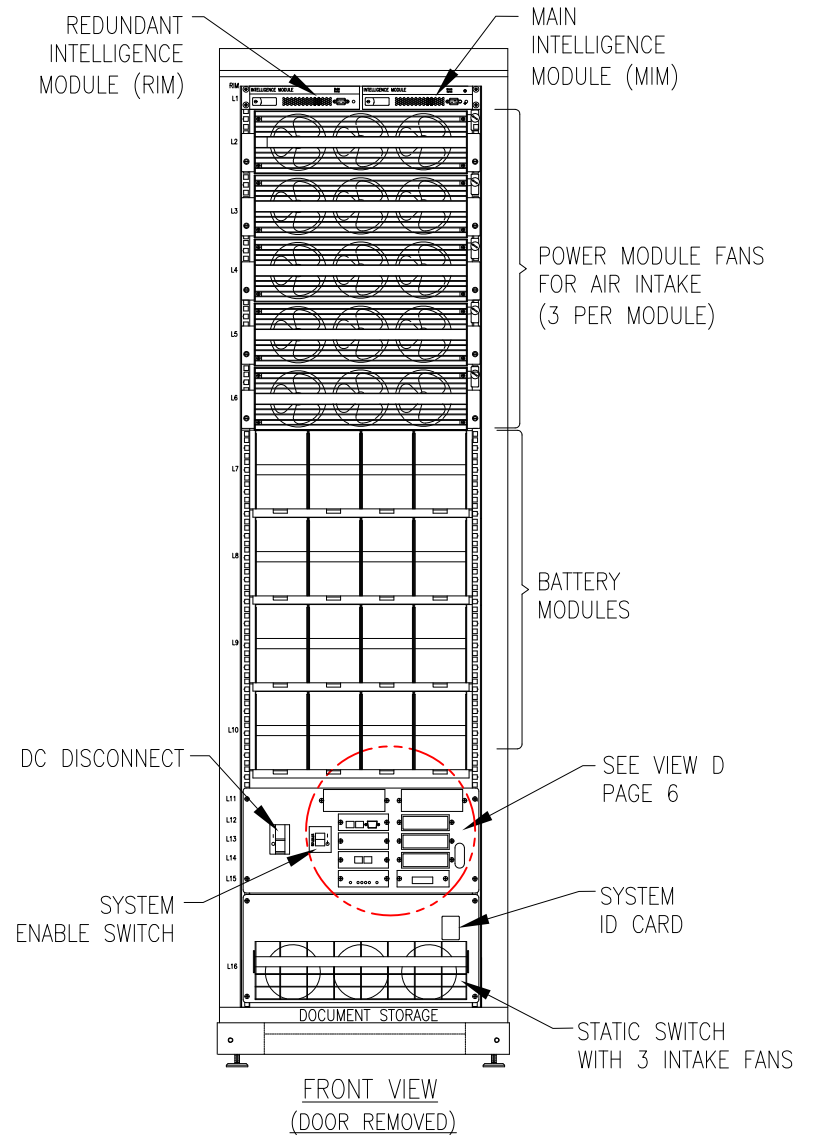
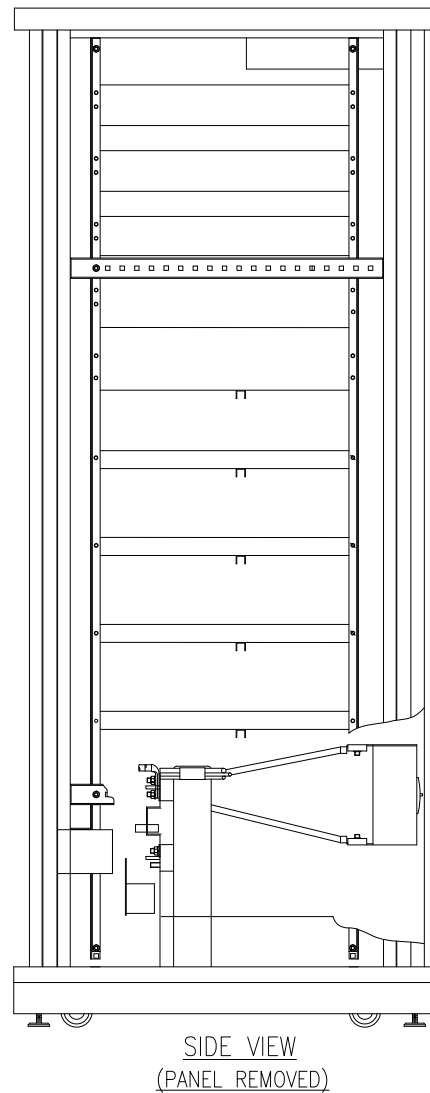
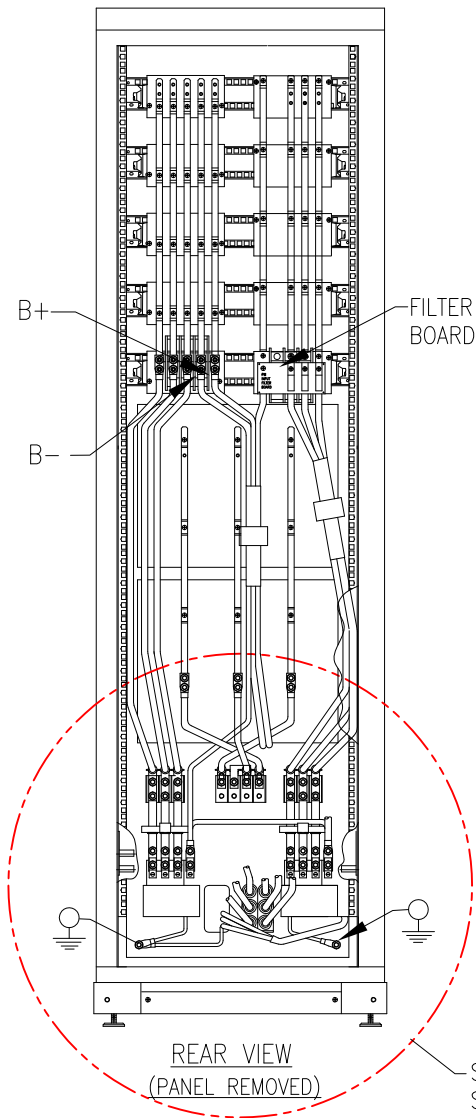
APPROVED BY: B S / E S 31-MAY-16

REV. 4

THIRD

ANGLE

PROJECTION



#### NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. CABLE ENTRY IS FROM BOTTOM OR LOWER BACK OF UNIT.
5. CABINET SHOWN IS WITHOUT DOORS AND PANELS. SOME STRUCTURAL DETAILS AND MOUNTING BRACKETS HAVE BEEN OMITTED FOR CLARITY.
6. WIRING CONFIGURATION SHOWN IS FOR REFERENCE ONLY.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider**  
Electric

**TITLE:** Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40kW  
1 MODULE N+1 UPS  
UPS INTERNAL MECHANICAL

**PROJECT:** SUBMITTAL DRAWINGS **SHEET 5 OF 9**

**DWG NO:** SYPX-40K40R2FF10SBP

**DRAWN BY:** BALA 31-MAY-16

**ENGINEER:** J RING 31-MAY-16

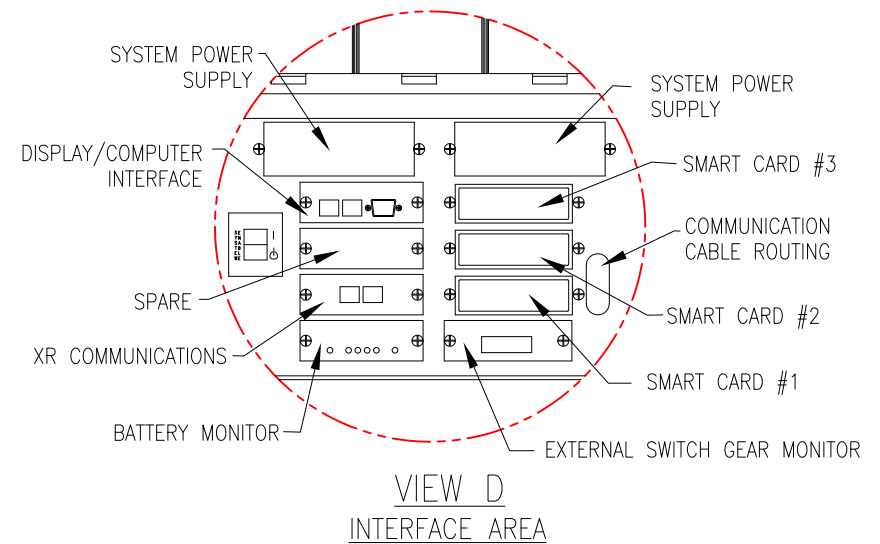
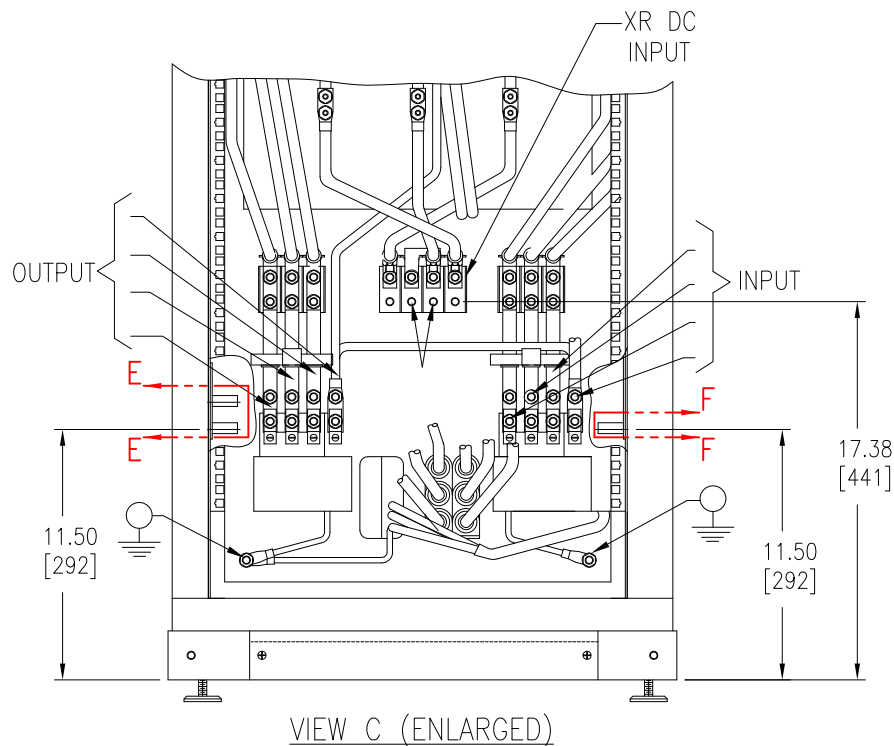
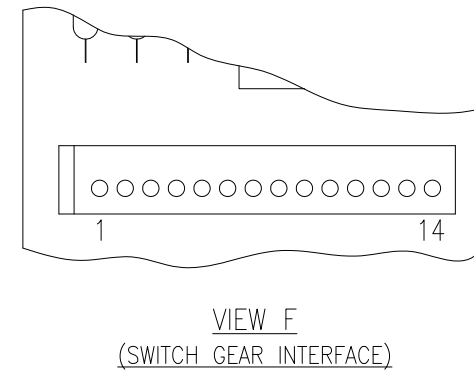
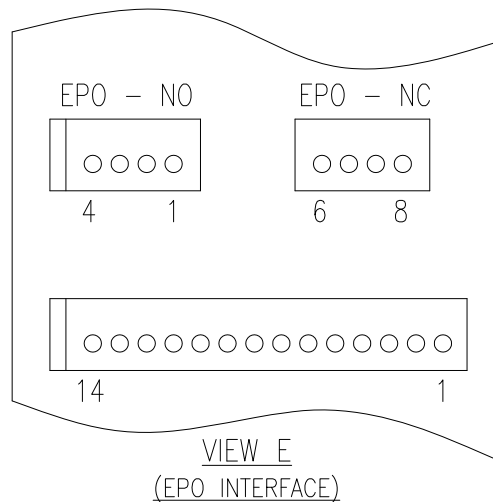
**APPROVED BY:** B S / E S 31-MAY-16

**REV.** 4

**THIRD**

**ANGLE**

**PROJECTION**



#### NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider**  
Electric

**TITLE:** Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40kW  
1 MODULE N+1 UPS  
UPS INTERFACE DETAILS

**PROJECT:** SUBMITTAL DRAWINGS **SHEET** 6 OF 9

**DWG NO:** SYPX-40K40R2FF10SBP

**DRAWN BY:** BALA 31-MAY-16

**ENGINEER:** J RING 31-MAY-16

**APPROVED BY:** B S / E S 31-MAY-16

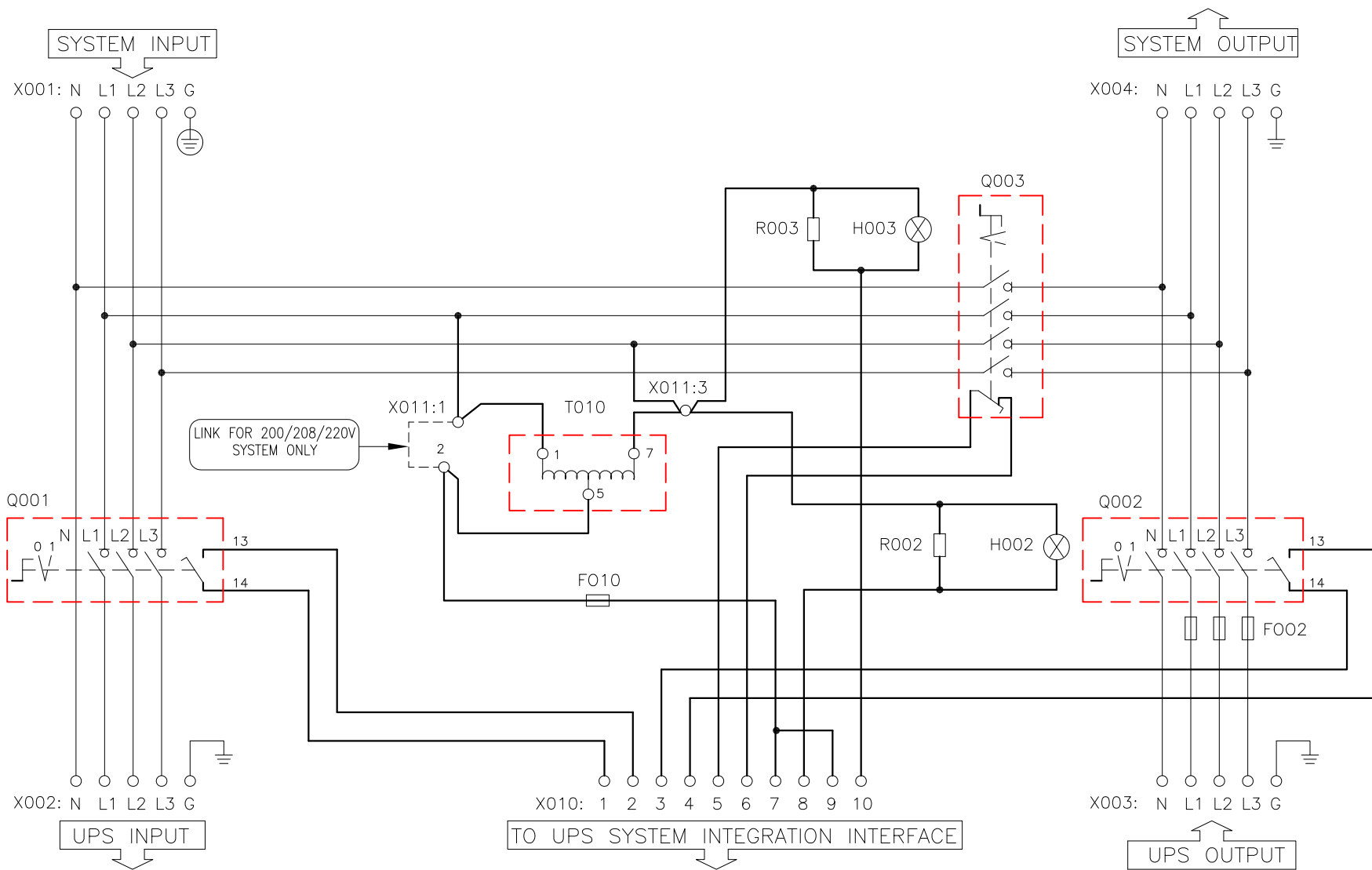
**REV.** 4

**THIRD**

**ANGLE**

**PROJECTION**





#### NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ----- CABLING PROVIDED BY OTHERS.
4. SYSTEM INPUT MUST BE 4 WIRE + GROUND WYE-SOURCE.
5. F002 (INTERNAL OUTPUT FUSE) - 125A.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider Electric**

**TITLE:** Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40KW  
SERVICE BYPASS PANEL  
ELECTRICAL SCHEMATIC

**PROJECT:** SUBMITTAL DRAWINGS **SHEET 7 OF 9**

**DWG NO:** SYPX-40K40R2FF10SBP

**DRAWN BY:** BALA 31-MAY-16

**ENGINEER:** J RING 31-MAY-16

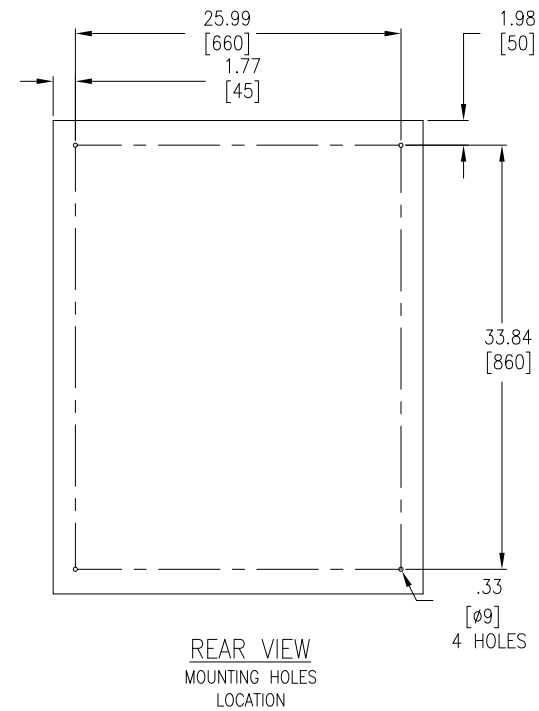
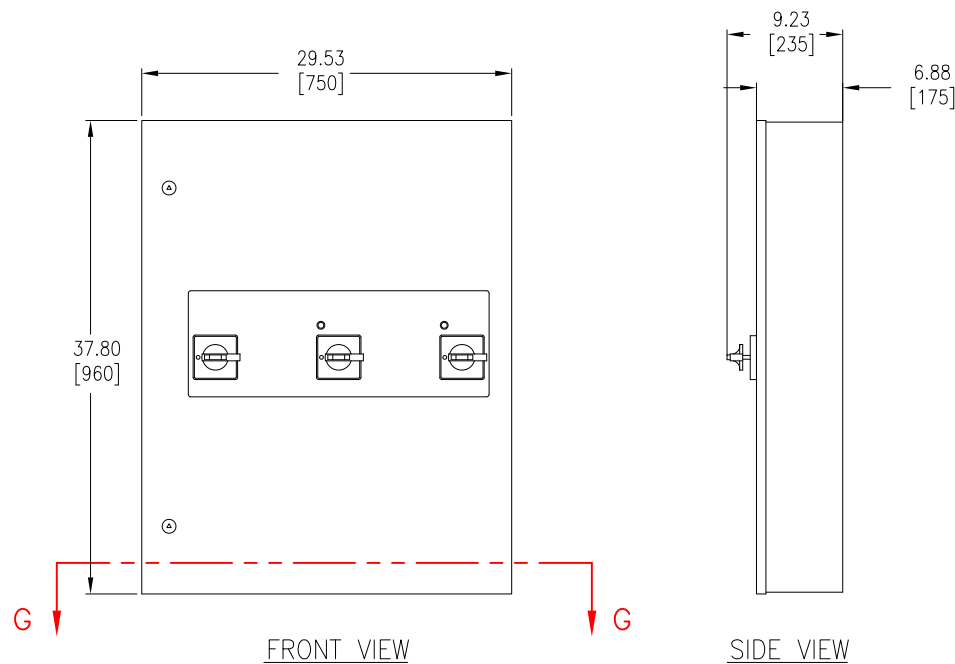
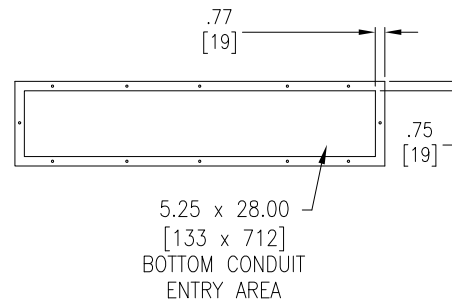
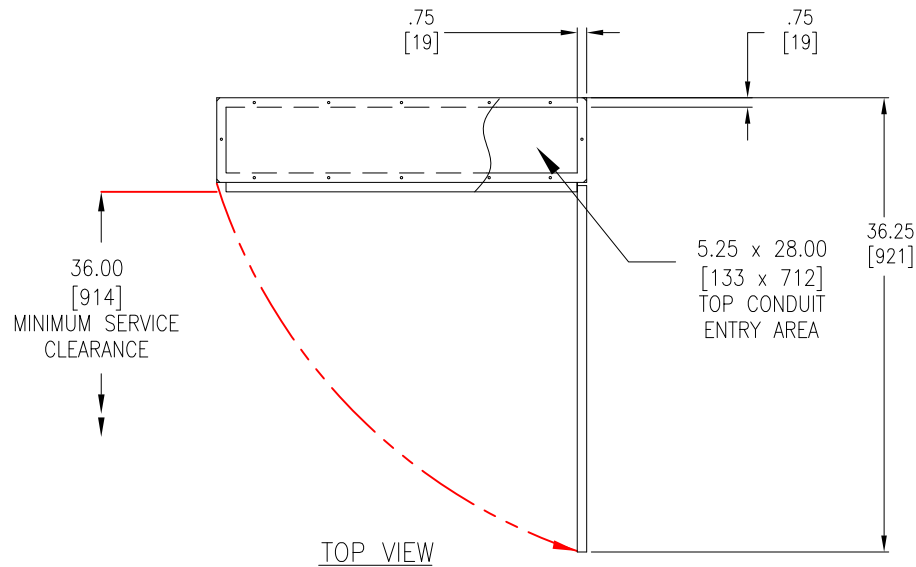
**APPROVED BY:** B S / E S 31-MAY-16

**REV.** 1

**ANGLE**

**PROJECTION**

**N.A.**



#### NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. CONDUIT ENTRY IS TOP OR BOTTOM OF UNIT.
5. NET WEIGHT OF UNIT IS 121 LBS (55 kg).

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider Electric**

TYPE : SBP-80A-SS (SINGLE OPERATION, SINGLE MAINS)

**TITLE:** Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40kW  
SERVICE BYPASS PANEL  
MAIN MECHANICAL

PROJECT: SUBMITTAL DRAWINGS SHEET 8 OF 9

**DWG NO:** SYPX-40K40R2FF10SBP

**DRAWN BY:** BALA 31-MAY-16

**ENGINEER:** J RING 31-MAY-16

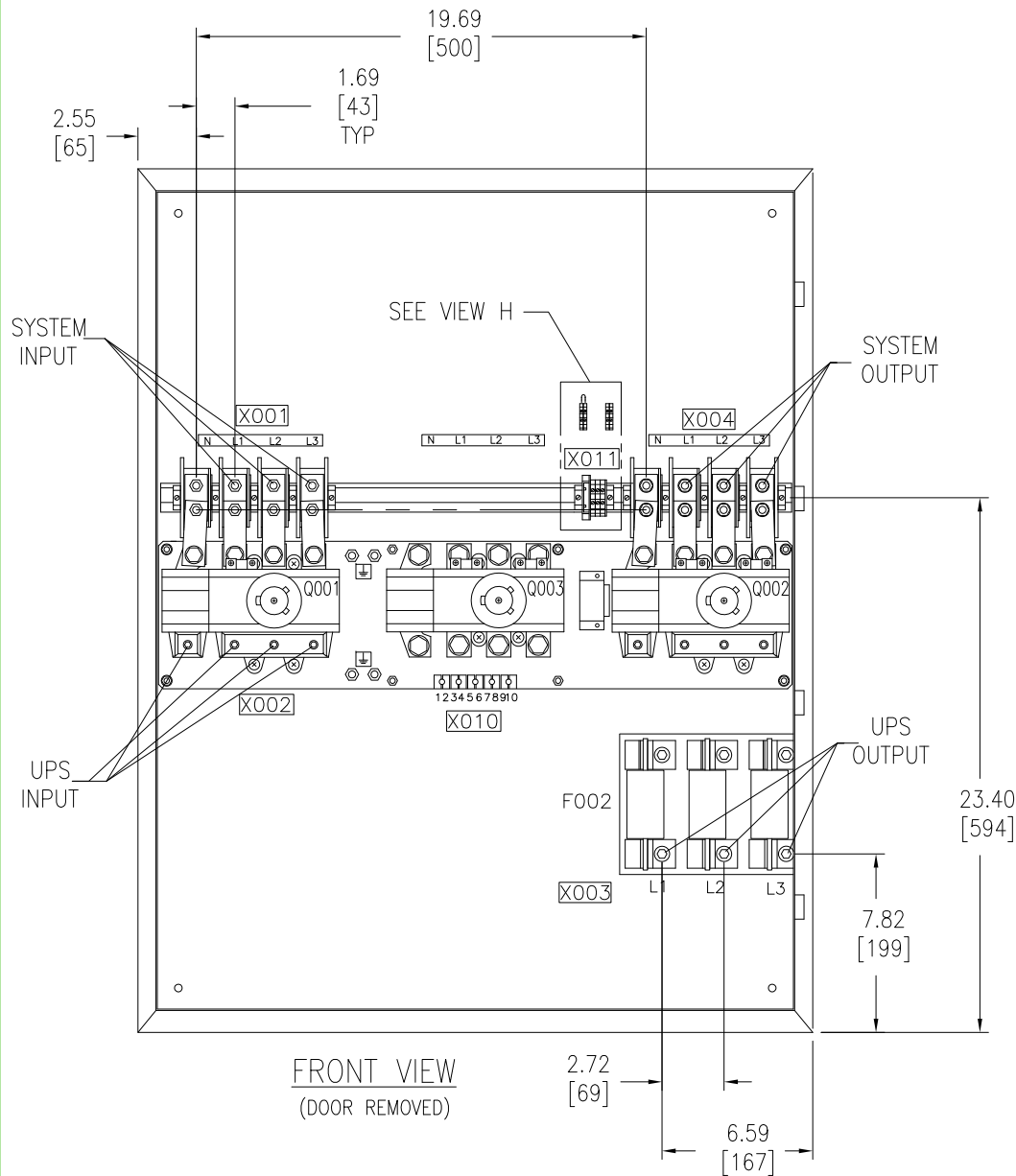
**APPROVED BY:** B S / E S 31-MAY-16

**REV.** 1

**THIRD**

**ANGLE**

**PROJECTION**



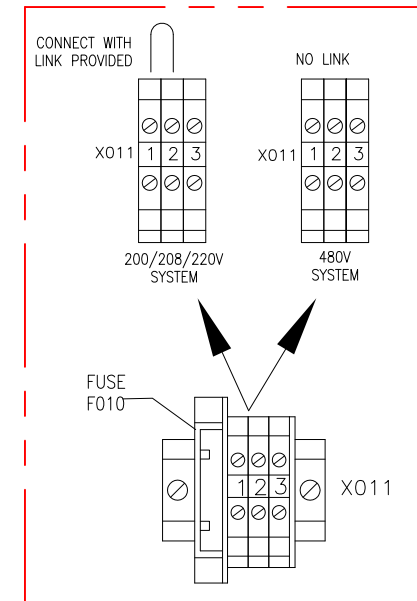
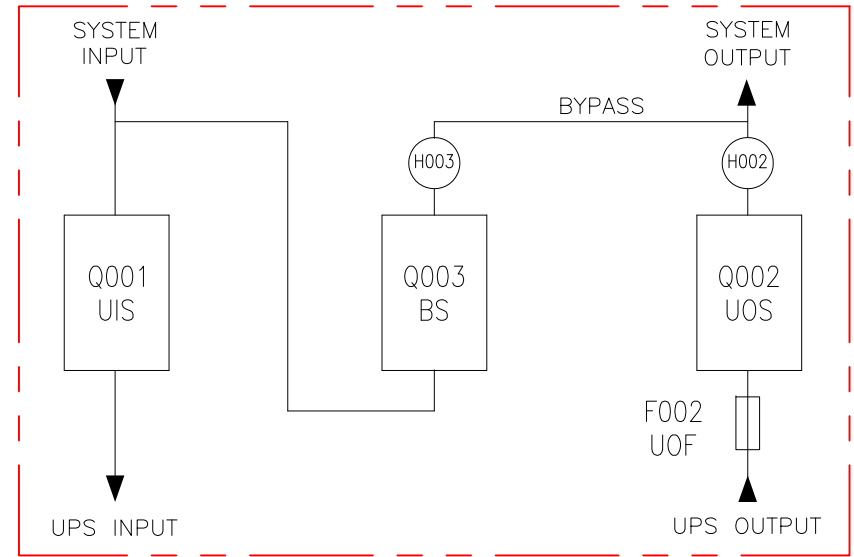
#### NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. CONDUIT ENTRY IS TOP OR BOTTOM OF UNIT.
5. F002 (INTERNAL OUTPUT FUSE) = 125A.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

**Schneider Electric**

#### POWER FLOW DIAGRAM



VIEW H (ENLARGED)  
CONTROL WIRING

TITLE: Symmetra PX 40  
Input: 208V AC 3PH SINGLE MAINS  
Output: 208V AC 3PH 40KW  
SERVICE BYPASS PANEL  
INTERNAL MECHANICAL

PROJECT: SUBMITTAL DRAWINGS SHEET 9 OF 9

DWG NO: SYPX-40K40R2FF10SBP

DRAWN BY: BALA 31-MAY-16

ENGINEER: J RING 31-MAY-16

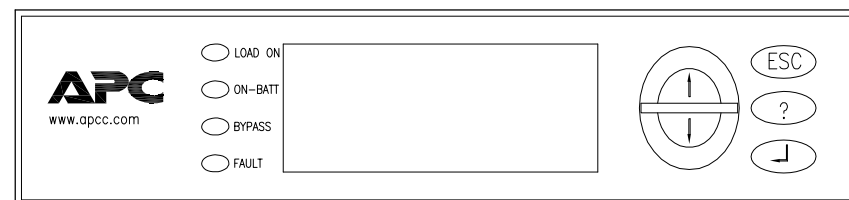
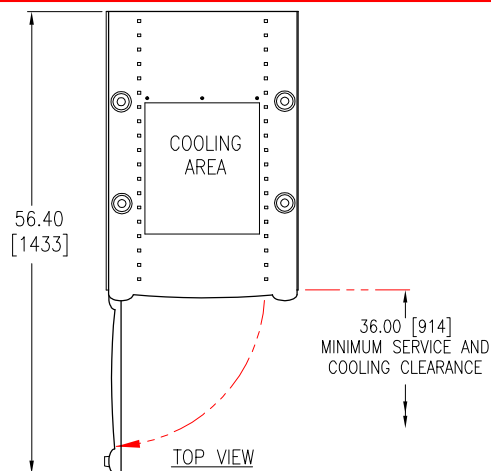
APPROVED BY: B S / E S 31-MAY-16

REV. 1

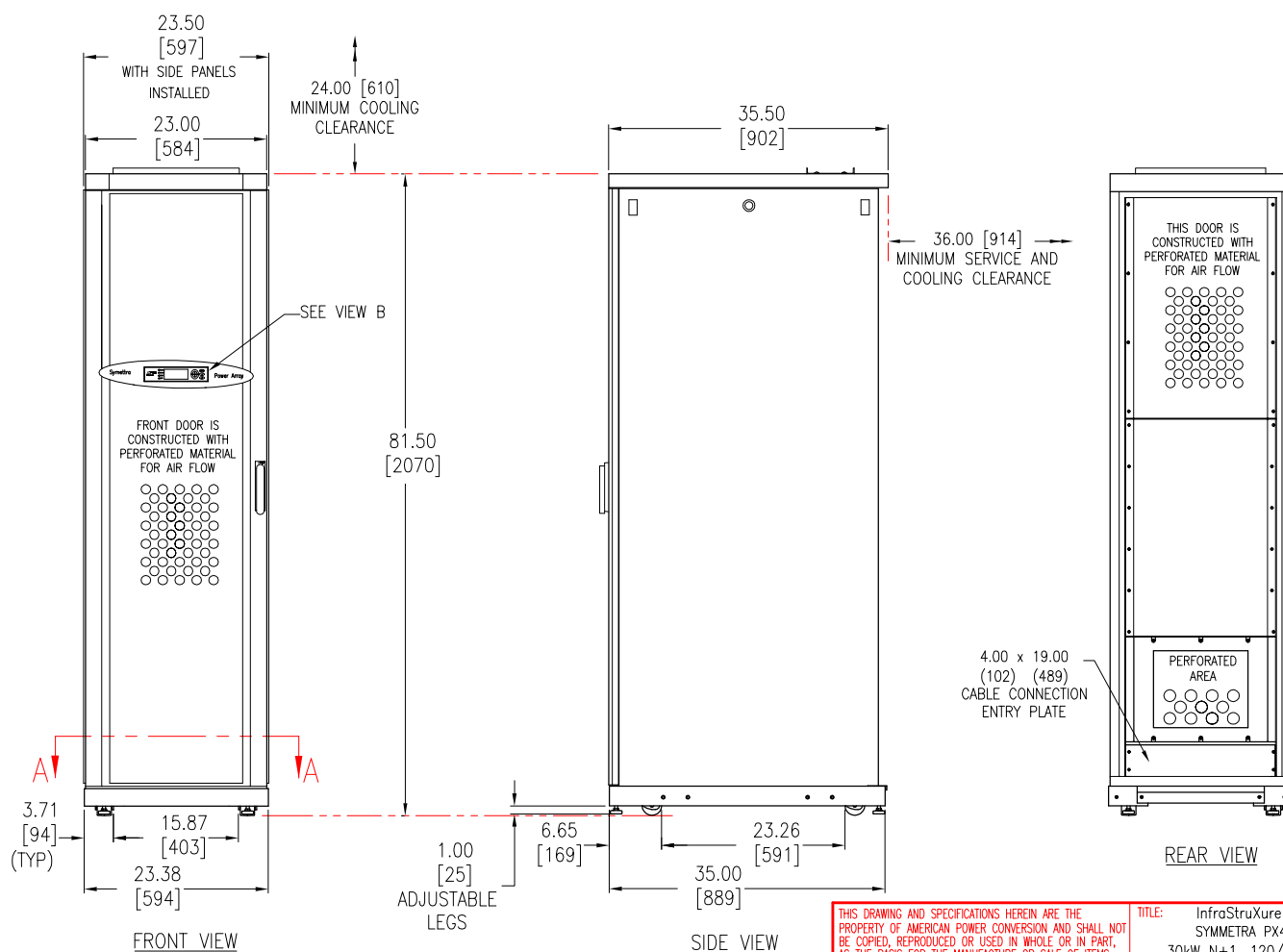
THIRD

ANGLE

PROJECTION



VIEW B (ENLARGED)  
CONTROL PANEL



NOTES:

1. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
2. CABLE ENTRY IS BOTTOM, SIDE OR REAR OF UNIT.
3. NET WEIGHT OF UNIT IS 1440 LBS [654 kg].
4. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

TITLE: InfraStruXure 40kW  
SYMMETRA PX40 UPS  
30kW N+1, 120/208V, 3PH  
MAIN MECHANICAL  
PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 4

DWG NO: SYPX-30K40R2F10-MM1 REV: 5  
DRAWN BY: M.CRAVEN 10/14/05  
CHECKED BY: J.RING/ F.DIOSA 10/14/05  
ENGINEER: R.HANSEN/ E.SILVA 10/14/05

**APC**  
AMERICAN POWER CONVERSION  
132 FAIRGROUNDS RD  
WEST KINGSTON, RI 02892



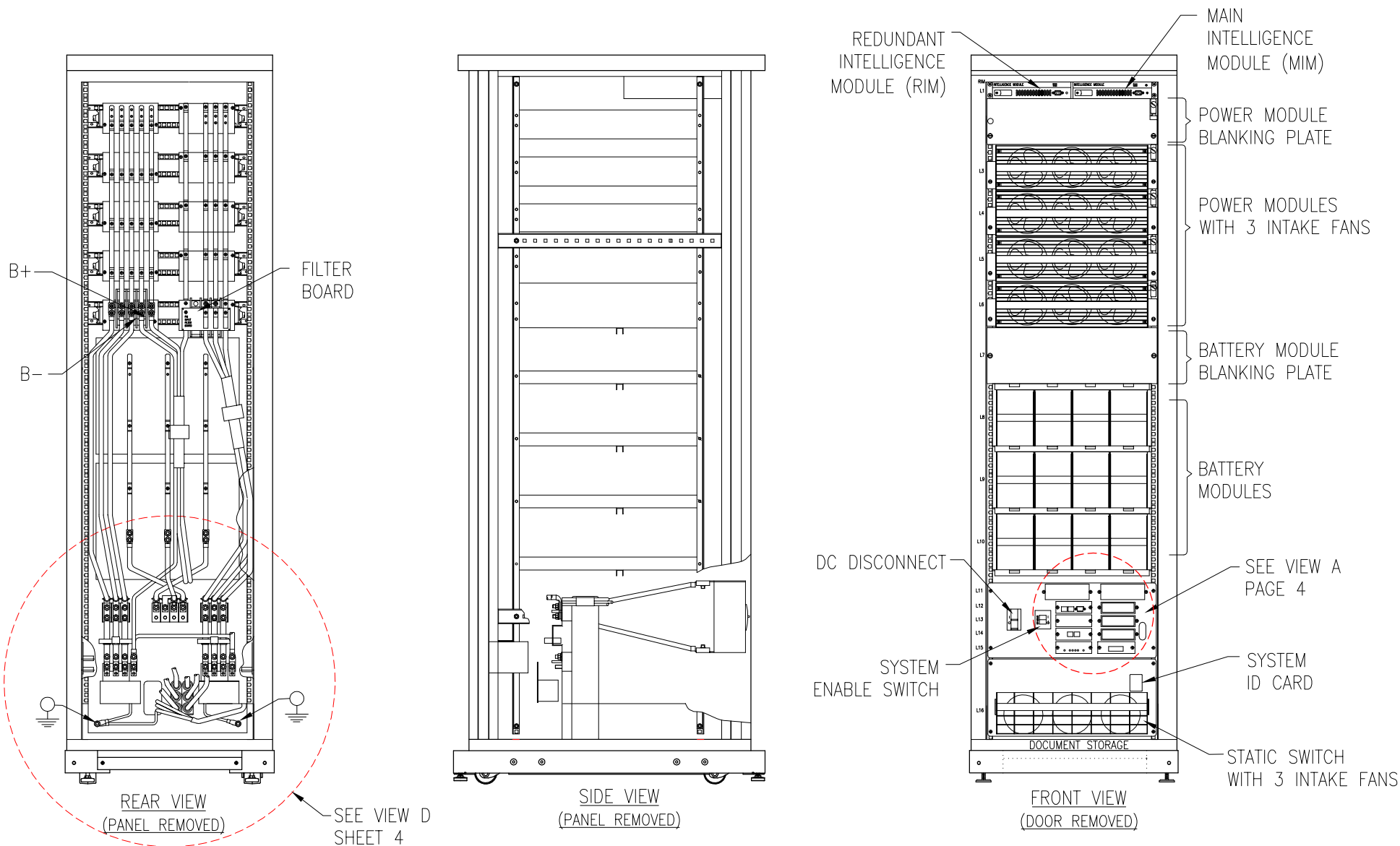
1. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
2. SOME STRUCTURAL DETAILS HAVE BEEN OMITTED FOR CLARITY.
3. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS, WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

|        |                                                                                   |              |
|--------|-----------------------------------------------------------------------------------|--------------|
| TITLE: | InfraStruXure 40kW<br>SYMMETRA PX40 UPS<br>30kW N+1, 120/208V, 3PH<br>BOTTOM VIEW |              |
|        | PROJECT: SUBMITTAL DRAWINGS                                                       | SHEET 2 of 2 |

|             |                     |      |          |
|-------------|---------------------|------|----------|
| DWG NO:     | SYPX-30K40R2F10-MM2 | REV. | 1        |
| DRAWN BY:   | M.CRAVEN            |      | 10/14/05 |
| CHECKED BY: | J.RING/ F.DIOSA     |      | 10/14/05 |
| ENGINEER:   | R.HANSEN/ E.SILVA   |      | 10/14/05 |





#### NOTES:

1. CABLE ENTRY IS BOTTOM, SIDE OR REAR OF UNIT.
2. CABINET IS SHOWN WITHOUT DOORS AND PANELS. SOME STRUCTURAL DETAILS AND MOUNTING BRACKETS HAVE BEEN OMITTED FOR CLARITY.
3. WIRING CONFIGURATION SHOWN IS FOR REFERENCE ONLY.
4. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

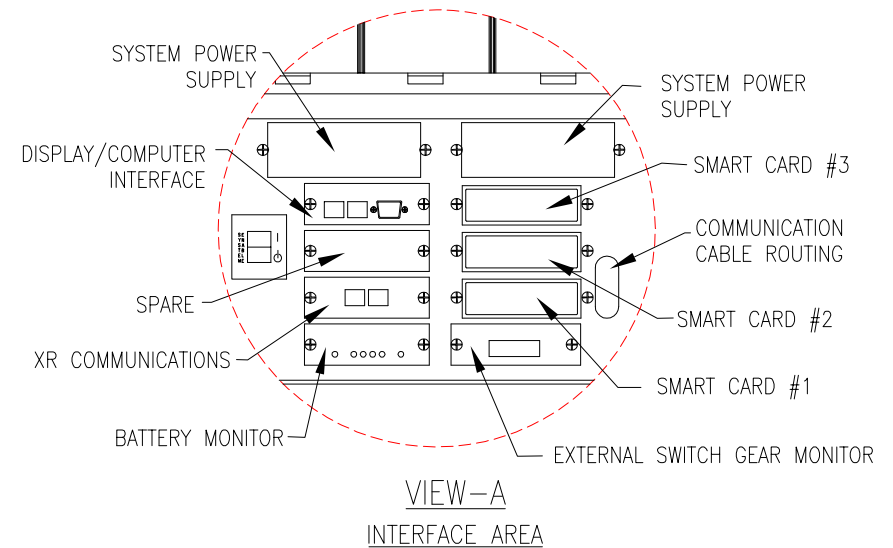
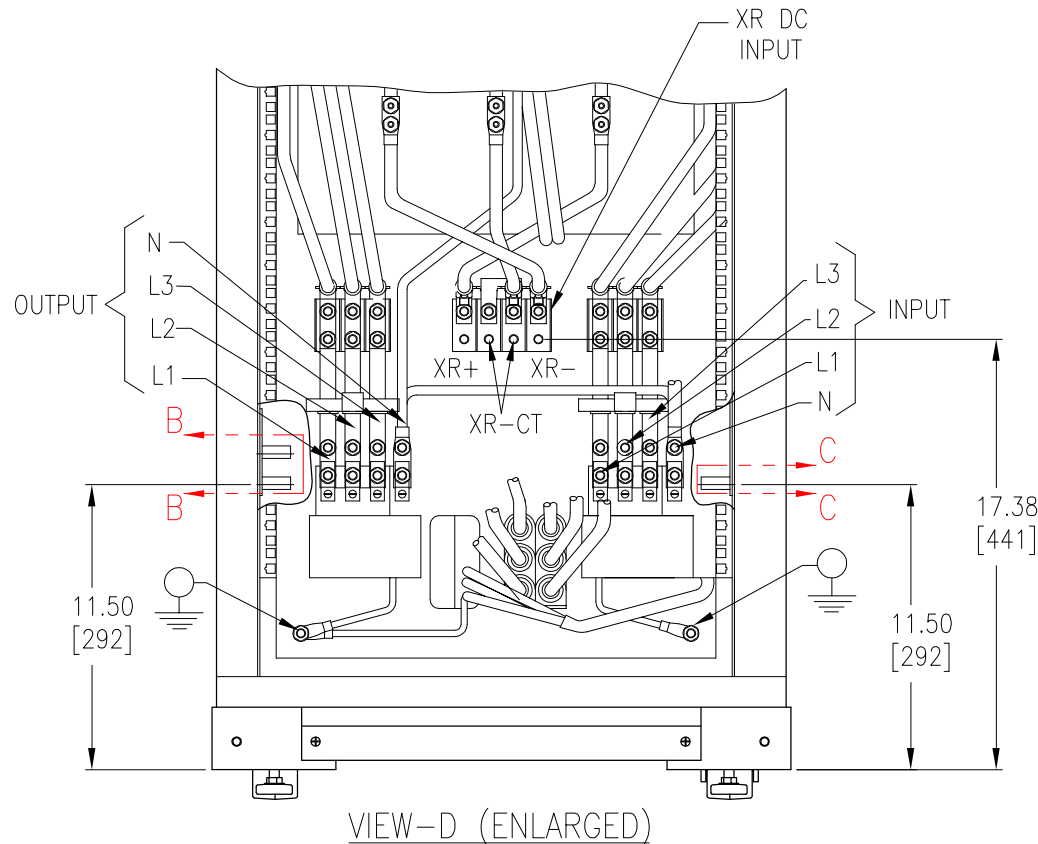
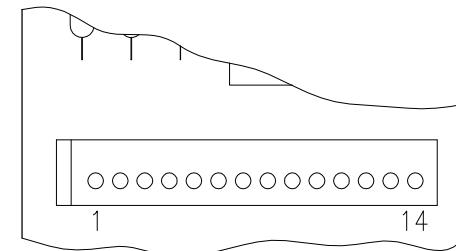
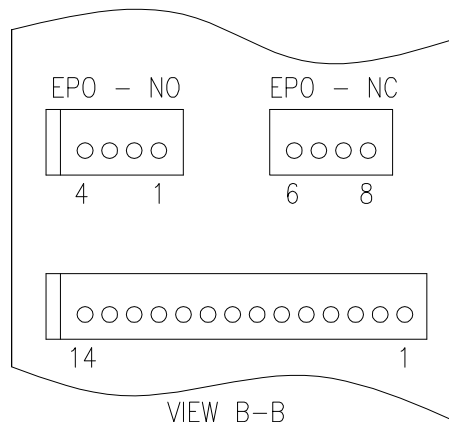
TITLE: InfraStruXure 40kW  
SYMMETRA PX40 UPS  
30kW N+1, 120/208V, 3PH  
INTERNAL VIEWS

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 4

DWG NO: SYPX-30K40R2F10-ME1  
REV: 6  
DRAWN BY: M. CRAVEN  
CHECKED BY: J. RING/ F. DIOSA  
ENGINEER: R. HANSEN/ E. SILVA

10/14/05  
10/14/05  
10/14/05

**APC**  
AMERICAN POWER CONVERSION  
132 FARRINGTONS RD  
WEST KINGSTON, RI 02892



#### NOTES:

1. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
2. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF AMERICAN POWER CONVERSION AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM APC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

TITLE: InfraStruXure 40kW  
SYMMETRA PX40 UPS  
30kW N+1, 120/208V, 3PH  
UPS DETAILS  
PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 4

DWG NO: SYPX-30K40R2F10-ME2 REV: 5  
DRAWN BY: M.CRAVEN 10/14/05  
CHECKED BY: J.RING/ F.DIOSA 10/14/05  
ENGINEER: R.HANSEN/ E.SILVA 10/14/05

**APC**  
AMERICAN POWER CONVERSION  
132 FAIRGROUNDS RD  
WEST KINGSTON, RI 02892