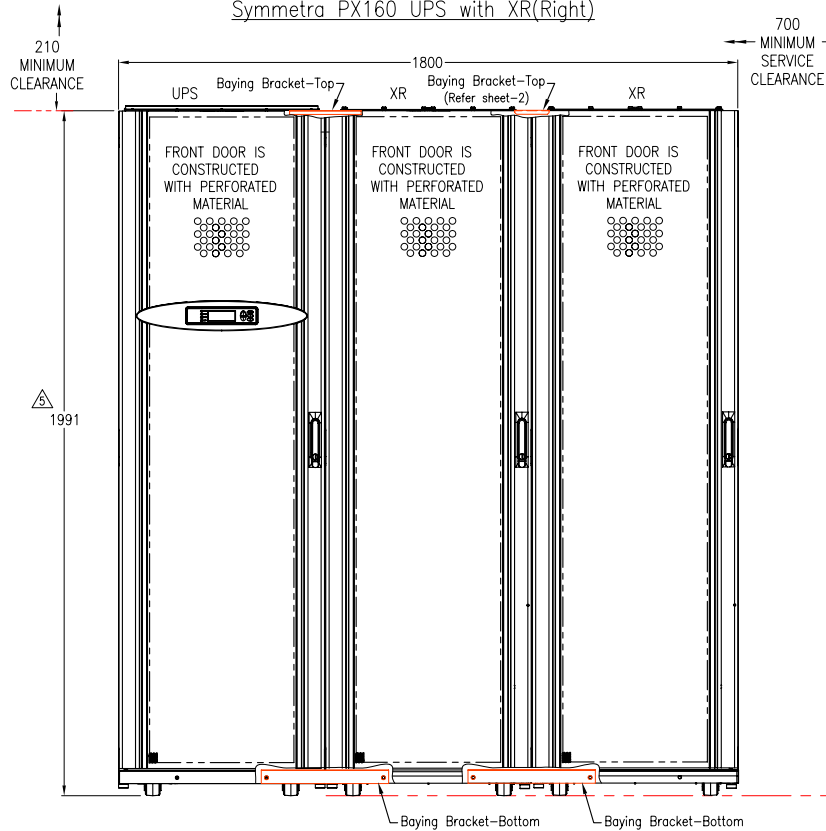
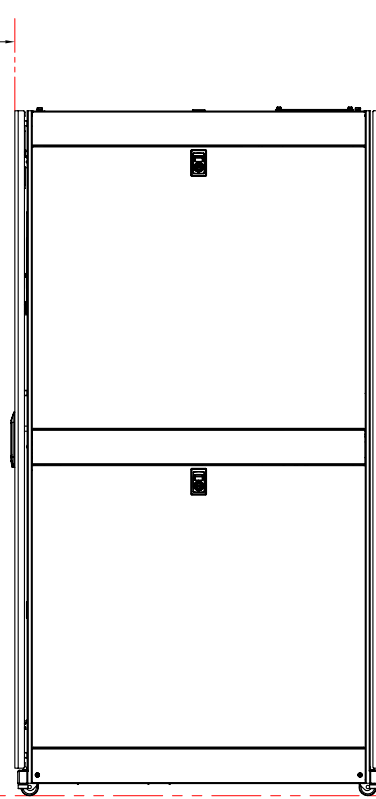


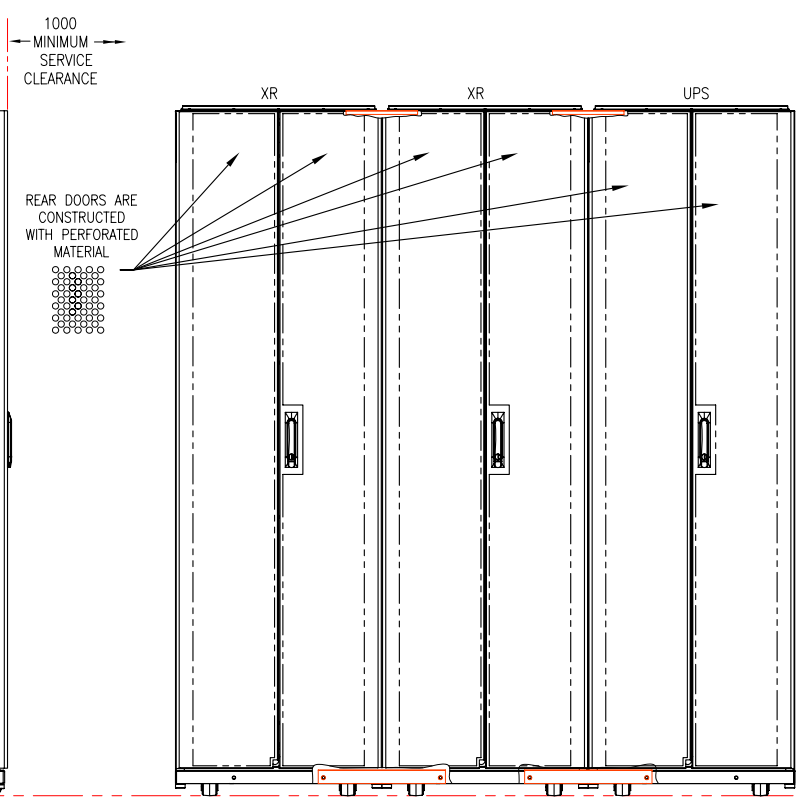
Symmetra PX160 UPS with XR(Right)



FRONT VIEW

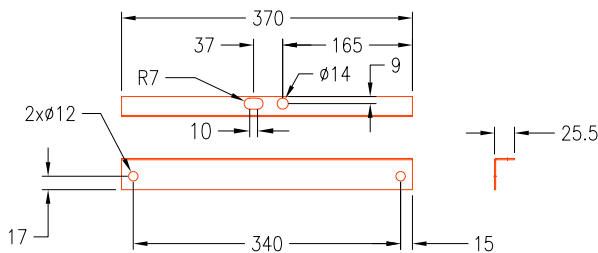


LEFT SIDE VIEW

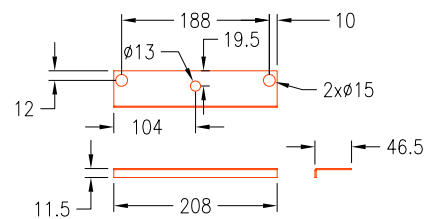


REAR VIEW

Baying Bracket-Bottom (PDU-XR OR XR TO UPS)



Baying Bracket-Top (PDU-XR OR XR TO UPS)



NOTES:

- PLEASE REFER TO APC PRODUCT MANUAL.
- ALL DIMENSIONS ARE IN MILLIMETERS.
- CABLE ENTRY DETAILS: TOP OR BOTTOM OF THE UNIT
- WEIGHT DETAILS :

RATING	128kW	160kW
WEIGHT	2452 kg	2812 kg

- MAXIMUM HEIGHT OF THE UPS UNIT IS 2011mm AND THE XR UNIT IS 1996mm (INCLUDES TOP ACCESSORIES, BOLTS AND NUTS THAT ARE MOUNTED ON TOP OF THE UNIT).
- MAXIMUM 4 BATTERY ENCLOSURES MAY BE USED WITH THE SYSTEM.
- INSTALLATION MUST COMPLY ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.

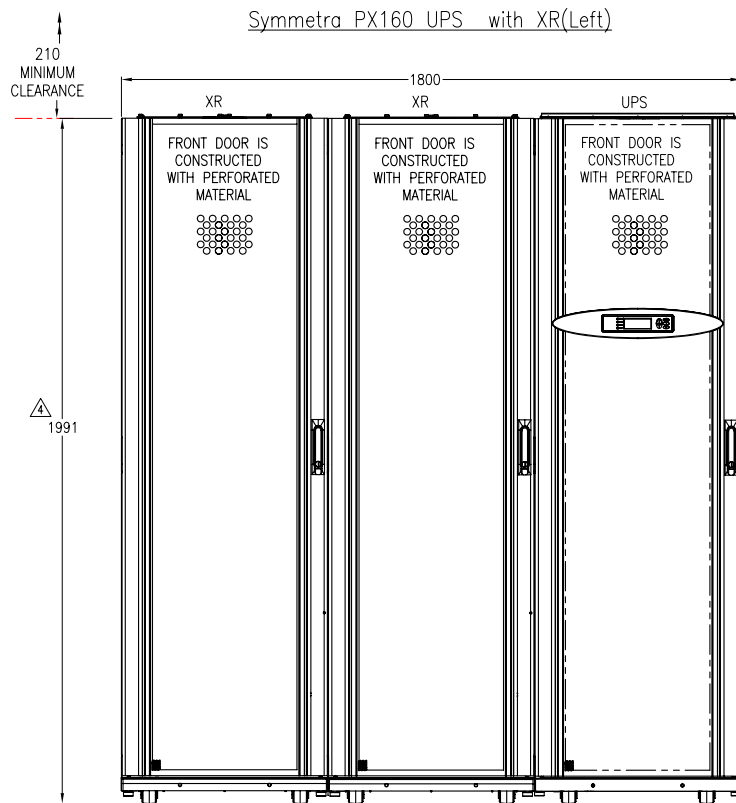
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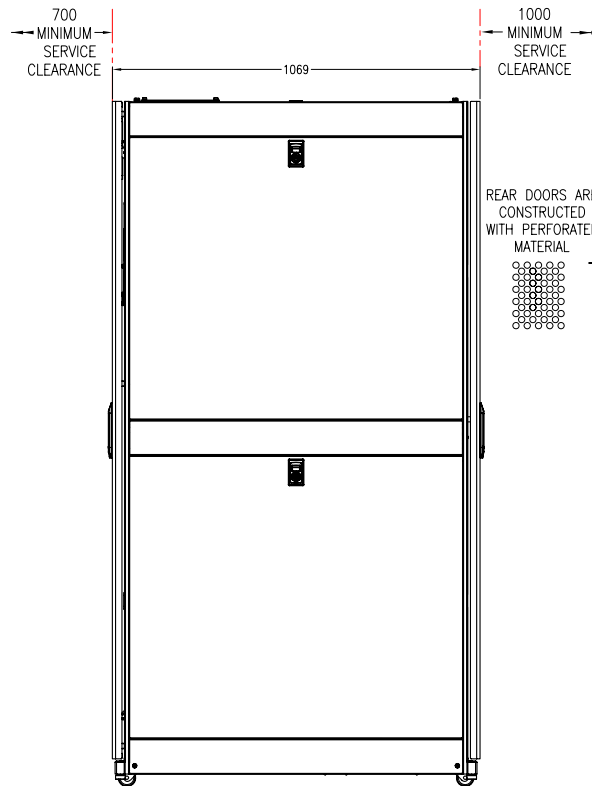
TITLE:
SYMMETRA PX160
128kW SCALABLE TO 160kW, 400V,3PH
WITH XR CABINET
MECHANICAL LAYOUT-1
PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 5

DWG NO: SY128K160H-MM1
DRAWN: K.NAGENDRA
ENGINEER: P.BONDE/S.LEE
APPROVED: C.LARSEN/S.WAGH/E.SILVA

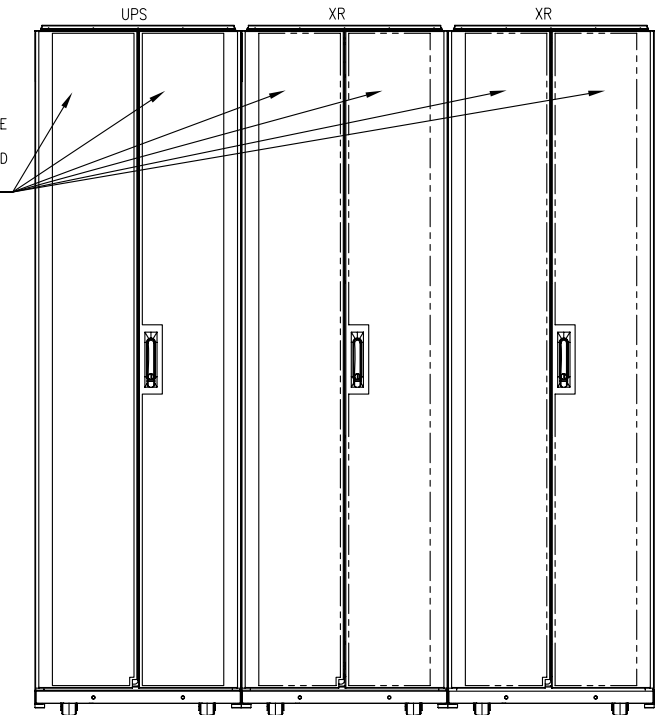
REV. 0
19-NOV-07
04-DEC-07
04-DEC-07
FIRST ANGLE PROJECTION



FRONT VIEW

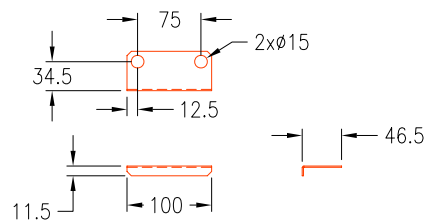


LEFT SIDE VIEW



REAR VIEW

Baying Bracket-Top (XR TO XR)



NOTES:

- PLEASE REFER TO APC PRODUCT MANUAL.
- ALL DIMENSIONS ARE IN MILLIMETERS.
- CABLE ENTRY DETAILS: TOP OR BOTTOM OF THE UNIT.
- MAXIMUM HEIGHT OF THE UPS UNIT IS 2011mm AND THE XR UNIT IS 1996mm
(INCLUDES TOP ACCESSORIES, BOLTS AND NUTS THAT ARE MOUNTED ON TOP OF THE UNIT).
- MAXIMUM 4 BATTERY ENCLOSURES MAY BE USED WITH THE SYSTEM.
- INSTALLATION MUST COMPLY ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS

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TITLE:
SYMMETRA PX160
128kW SCALABLE TO 160kW, 400V,3PH
WITH XR CABINET
MECHANICAL LAYOUT-2

DWG NO: SY128K160H-MM2

DRAWN: K.NAGENDRA 19-NOV-07

ENGINEER: P.BONDE/S.LEE 04-DEC-07

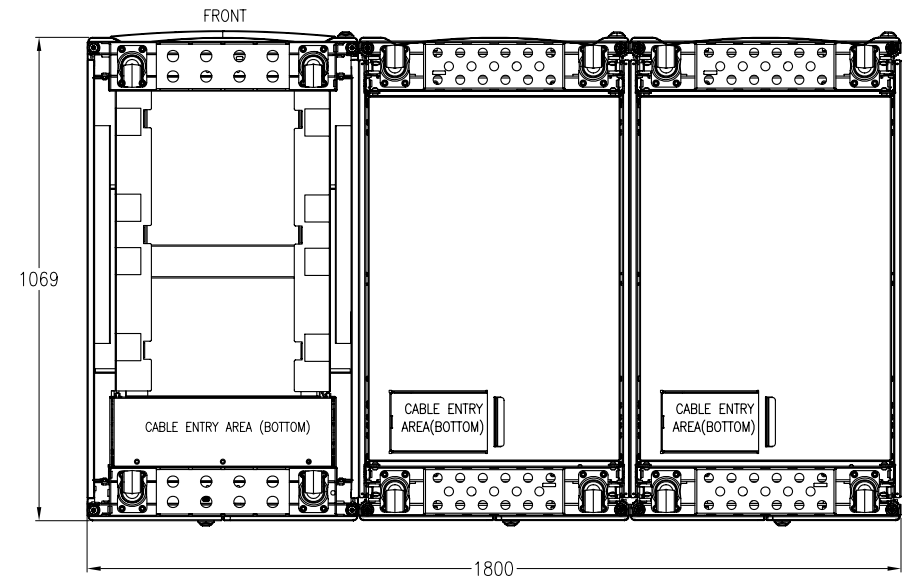
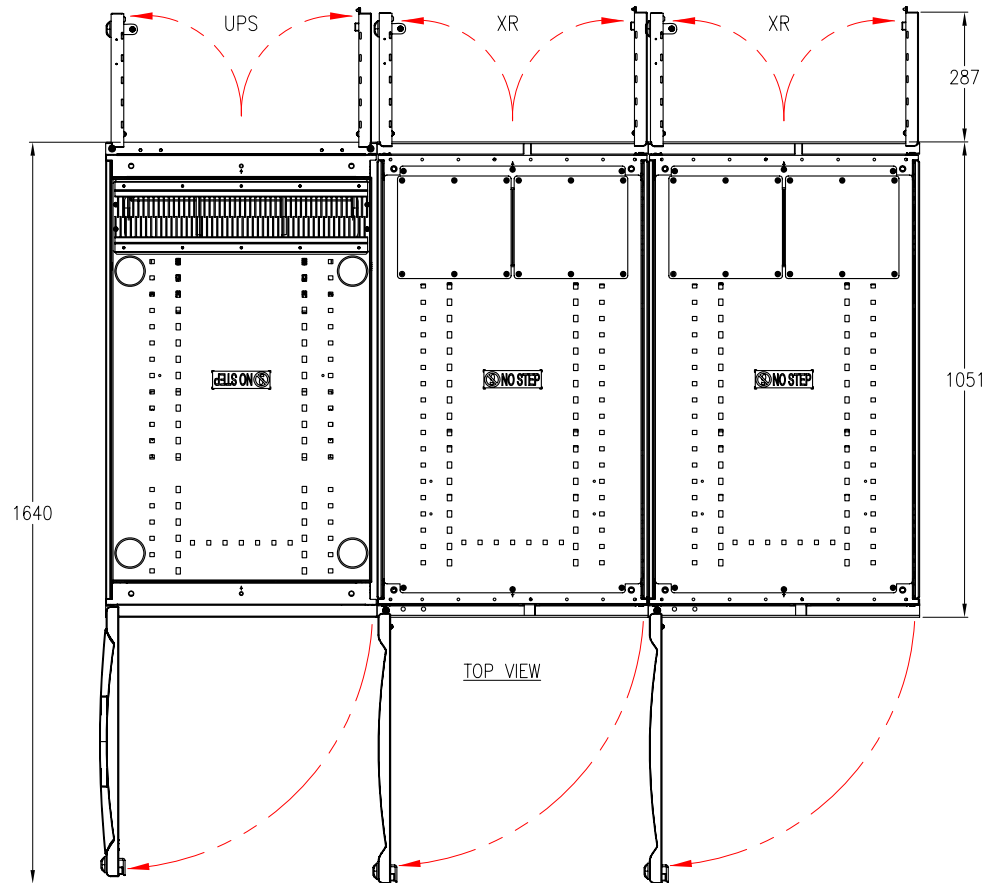
APPROVED: C.LARSEN/S.WAGH/E.SILVA 04-DEC-07

REV. 0

FIRST
ANGLE
PROJECTION

PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 5

Symmetra PX160 UPS with XR(Right)



NOTES:

1. PLEASE REFER TO APC PRODUCT MANUAL.
2. ALL DIMENSIONS ARE IN MILLIMETERS.
3. FOR TOP OR BOTTOM CABLE ENTRY REMOVE TOP OR BOTTOM CONDUIT PLATE, DRILL OR PUNCH HOLES WITHIN PROVIDED CABLE ENTRY AREA. REFIT COVER AND INSTALL CONDUITS.
4. INSTALLATION MUST COMPLY ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS

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TITLE:
SYMMETRA PX160
128kW SCALABLE TO 160kW, 400V, 3PH
WITH XR CABINET
TOP AND BOTTOM VIEWS-1

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 5

DWG NO: SY128K160H-MM3

DRAWN: K.NAGENDRA 19-NOV-07

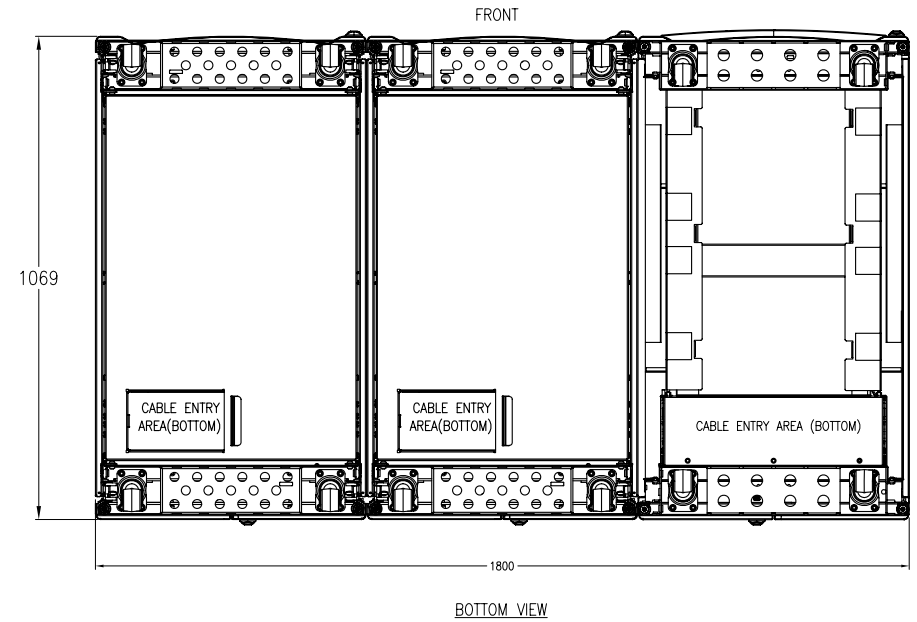
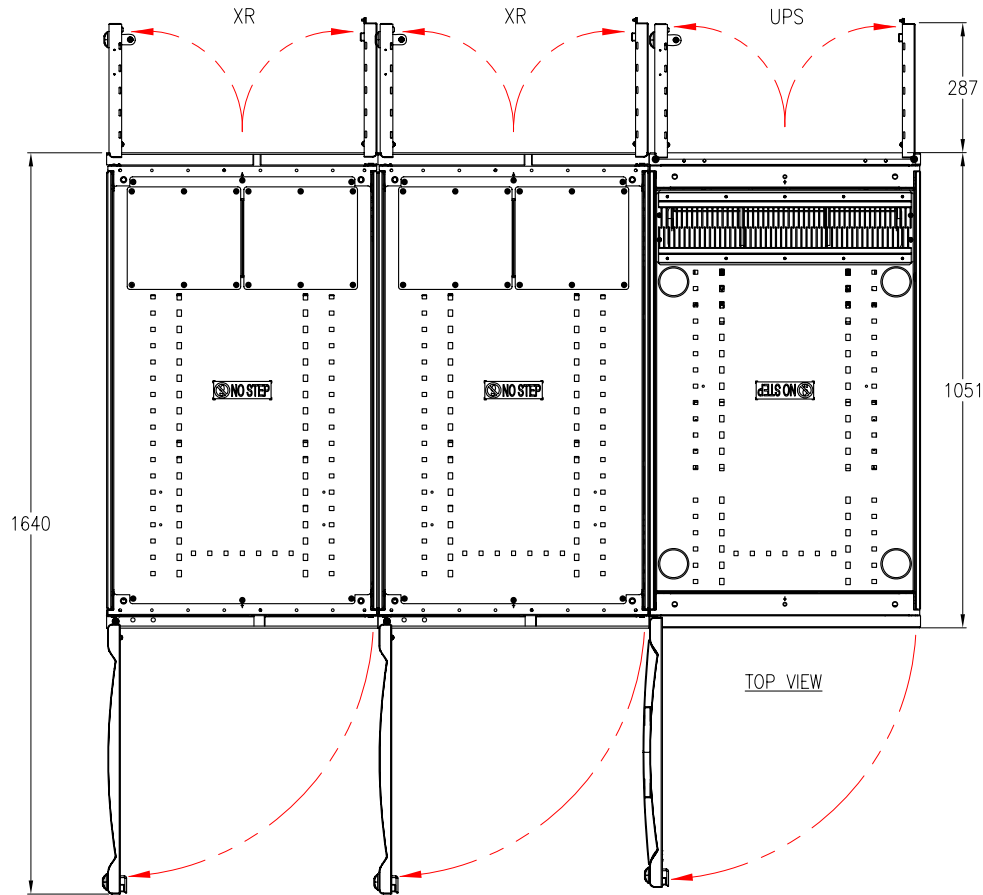
ENGINEER: P.BONDE/S.LEE 04-DEC-07

APPROVED: C.LARSEN/S.WAGH/E.SILVA 04-DEC-07

REV. 0

FIRST
ANGLE
PROJECTION

Symmetra PX160 UPS with XR(Left)



NOTES:

1. PLEASE REFER TO APC PRODUCT MANUAL.
2. ALL DIMENSIONS ARE IN MILLIMETERS.
3. FOR TOP OR BOTTOM CABLE ENTRY REMOVE TOP OR BOTTOM CONDUIT PLATE, DRILL OR PUNCH HOLES WITHIN PROVIDED CABLE ENTRY AREA. REFIT COVER AND INSTALL CONDUITS.
4. INSTALLATION MUST COMPLY ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS

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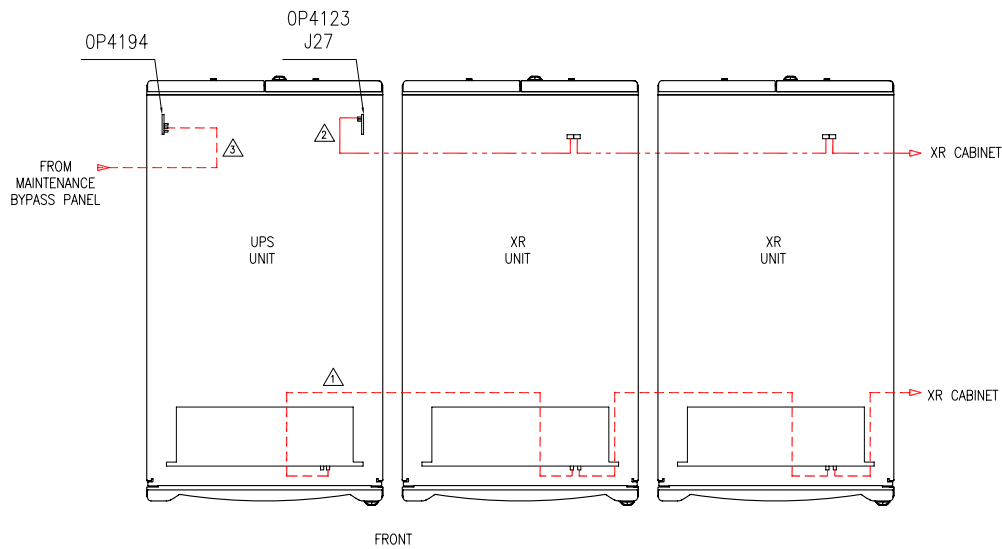
APC
www.apc.com

TITLE:
SYMMETRA PX160
128kW SCALABLE TO 160kW, 400V,3PH
WITH XR CABINET
TOP AND BOTTOM VIEWS-2
PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 5

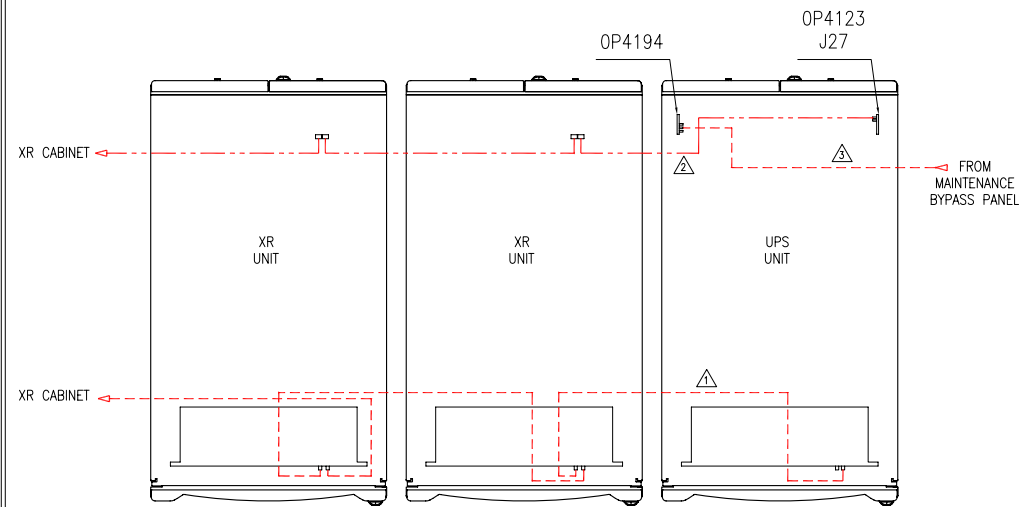
DWG NO: SY128K160H-MM4
DRAWN: K.NAGENDRA 19-NOV-07
ENGINEER: P.BONDE/S.LEE 04-DEC-07
APPROVED: C.LARSEN/S.WAGH/E.SILVA 04-DEC-07

REV. 0
FIRST ANGLE PROJECTION

COMMUNICATION CABLES IN INSTALLATION
UPS WITH XR (RIGHT)



COMMUNICATION CABLES IN INSTALLATION
UPS WITH XR (LEFT)



LEGENDS:

----- EPO CONNECTIONS
----- COMMUNICATION CABLES

- 1 COMMUNICATION CABLE FROM THE LAST XR BATTERY ENCLOSURE IN THE ROW TO THE UPS I/O PORT 2.
- 2 BATTERY TRIP CABLE FROM XR BATTERY ENCLOSURE TO THE J27 CONNECTOR OF EPO/ANCILLARY INTERFACE BOARD (OP4123).
- 3 COMMUNICATION CABLE FROM MAINTENANCE BYPASS PANEL TO THE MAINTENANCE BYPASS INTERFACE BOARD (OP4194).

NOTES:

- PLEASE REFER TO APC PRODUCT MANUAL.
- INSTALLATION MUST COMPLY ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS

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APC
www.apc.com

TITLE: SYMMETRA PX160
128kW SCALABLE TO 160kW, 400V, 3PH
WITH XR CABINET
WIRING DETAILS
PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 5

DWG NO: SY128K160H-ME1
DRAWN: K.NAGENDRA
ENGINEER: P.BONDE/S.LEE
APPROVED: C.LARSEN/S.WAGH/E.SILVA

REV. 0
19-NOV-07
04-DEC-07
04-DEC-07
FIRST ANGLE PROJECTION