CONFIGURABLE POWER DISTRIBUTION, InfraStruxure PDU 60kW 208V/208V Transformerless

Sheet No.	Component /Detail	Description
1	Draw ing Guide	InfraStruxure PDU 60kW 208V/208V Transformerless
2	Specification	InfraStruxure PDU 60kW 208V/208V Transformerless
3-6	Mechanical Layouts	InfraStruxure PDU 60kW 208V/208V Transformerless
7-11	Internal Views & Details	InfraStruxure PDU 60kW 208V/208V Transformerless
12-13	System One Line /Five line Diagram	InfraStruxure PDU 60kW 208V/208V Transformerless

LEGEND		
SYMBOL	DESCRIPTION	
°)	CIRCUIT BREAKER	
	SWITCH	

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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfroStruxure PDU 60kW TRANSFORMERLESS
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
DRAWING GUIDE

ITTLE: CONFIGURABLE POWER DISTRIBUTION InfraStruxure PDU 60kW TRANSFORMERLESS	DWG NO: PDRPP	REV.	
Input: 208V, 3PH, 60Hz Output: 208V, 3PH, 60Hz	DRAWN BY: JAYAPRAKASH	01-MAR-12	ANGLE
DRAWING GUIDE	ENGINEER: J.RING/F.DIOSA	19-MAR-12	PROJECTION
PROJECT: DRAWINGS SHEET 1 OF 13	APPROVED BY: R.HANSEN/E.SILVA	19-MAR-12	N/A

CONFIGURABLE POWER DISTRIBUTION - SPECIFICATIONS

1. AC Input

Nominal voltage: 208V 3PH WYE, 4W+G (provided by others)

Frequency: 60Hz 1.2

1.3 Input Circuit Breaker: 225A

1.4 Nominal current: 180A

Main Input conductor size: 4/0 AWG

2. AC Output

Nominal voltage: 208V 3PH 4W+G

Nominal current: 180A

Full Load rating: 64.8kW

Distribution Panel: 2 x 225A, 42-position

Distribution Breaker Size : 150A (Max)

3. ENVIRONMENTS

- The assembly is made for an ambient temperature for operation of : 0°C to 40°C.
- The assembly is made for an ambient temperature for storage of : 0°C to 45°C.

4. ENCLOSURE

- The assembly material is steel with surface coating.
- 4.2 The assembly is made for Indoor floor Installation.

5. CONNECTIONS

- Incoming and outgoing cables to be connected to terminals in component section.
- Input cable entry is through side, top or bottom of the unit.

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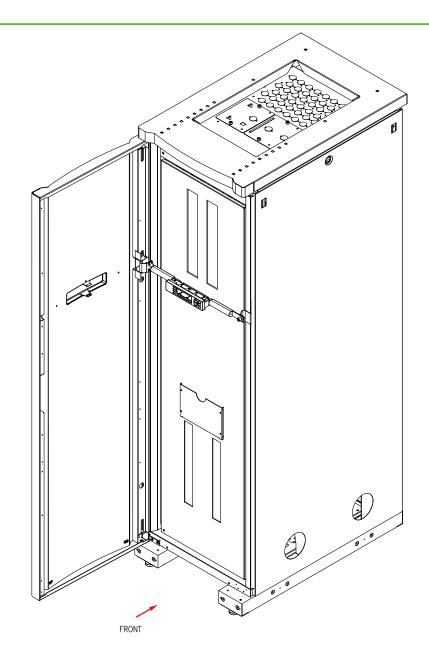


TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW TRANSFORMERLESS
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz SPECIFICATIONS
SPECIFICATIONS

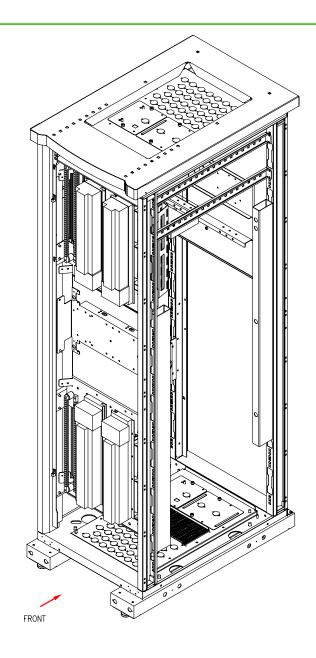
InfraStruxure PDU 60kW TRANSFORMERLESS		DWG NO: PDRPPNX10			REV.	
	Input: 208V, 3PH, 60Hz Output: 208V, 3PH, 60Hz	DRAWN BY:	JAYAPRAKASH	01-MAR-12	ANG	
	SPECIFICATIONS		ENGINEER:	J.RING/F.DIOSA	19-MAR-12	PROJE(
	PROJECT: DRAWINGS SHEET	2 0F 13	APPROVED BY:	R.HANSEN/E.SILVA	19-MAR-12	N_{2}

^{1.}INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL. STATE AND LOCAL CODES.

^{2.}PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS .







ISOMETRIC VIEW
(INSIDE PANELS REMOVED)

PROJECT: DRAWINGS SHEET 3 OF 13 APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12

NOTES

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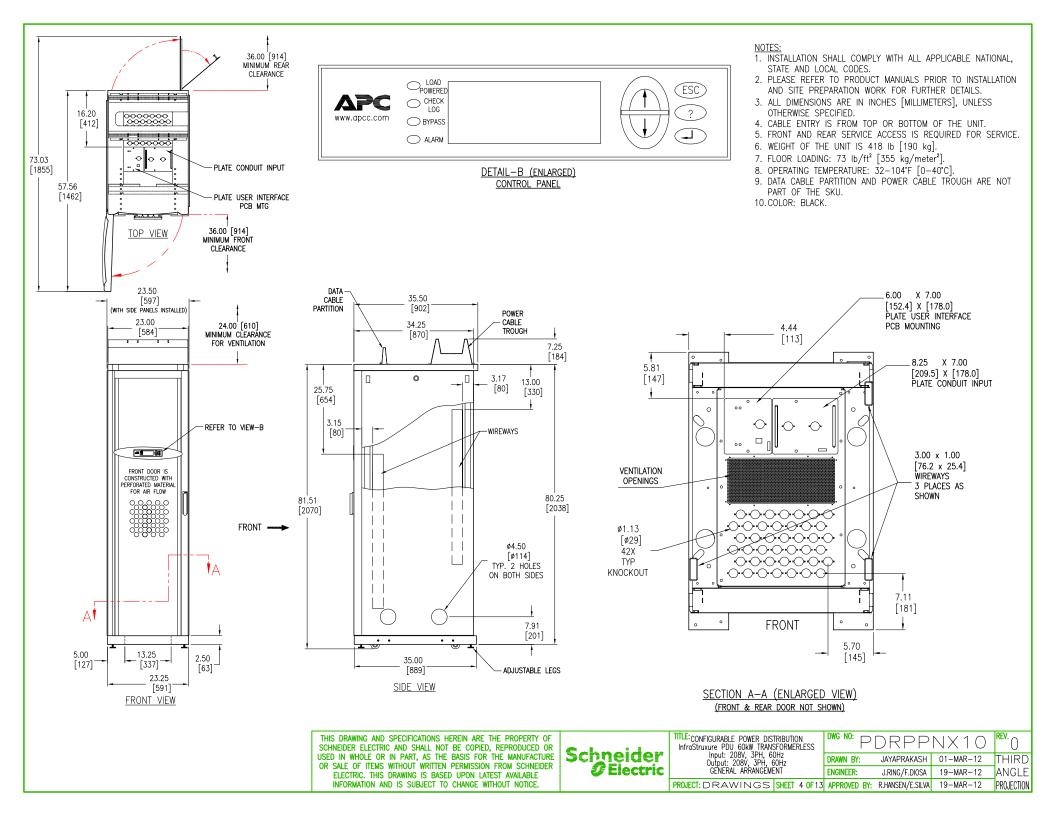
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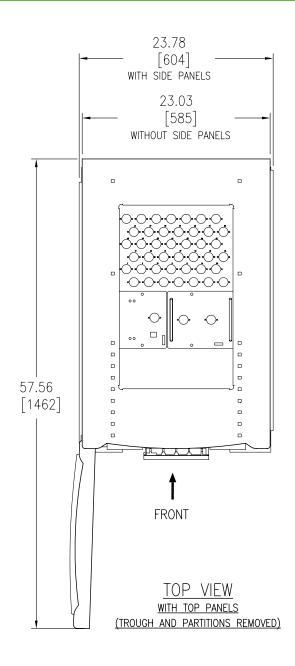
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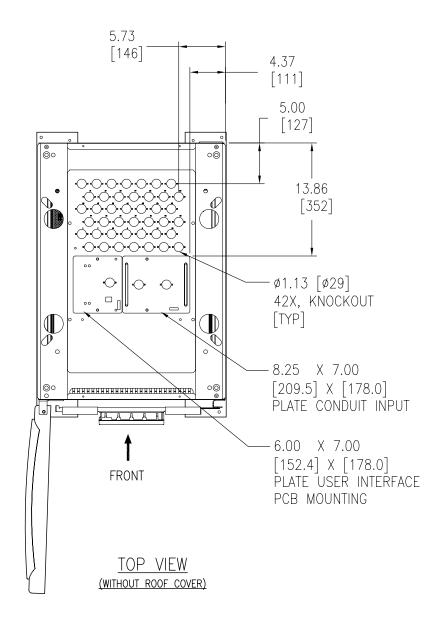
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ITTLE: CONFIGURABLE POWER DISTRIBUTION InfraStruxure PDU 60kW TRANSFORMERLESS Input: 208V, 3PH, 60Hz Output: 208V, 3PH, 60Hz DIMETRIC VIEW

DWG NO:	DRPP	NX10	REV.
DRAWN BY:	JAYAPRAKASH	01-MAR-12	ANG
FNGINFFR:	J RING /F DIOSA	19-MAR-12	PROJEC







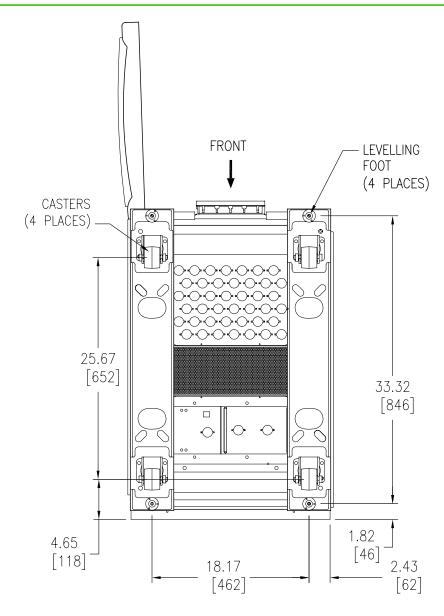
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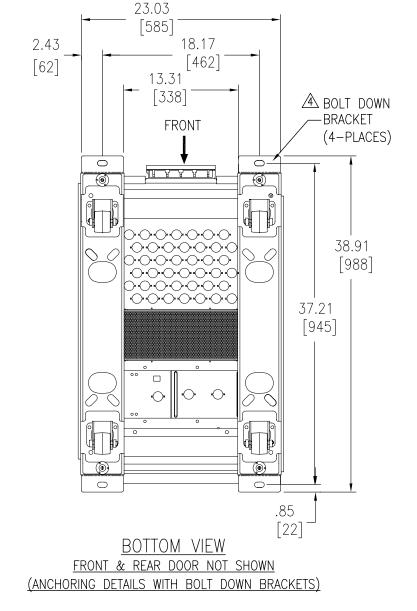
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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW TRANSFORMERLESS
Input: 208V, 3PH, 60Hz Output: 208V, 3PH, 60Hz TOP VIEWS
Output: 208V, 3PH, 60Hz
' TOP VIEWS

TITLE: CONFIGURABLE POWER DIST InfraStruxure PDU 60kW TRANS	DWG NO: PDRPPNX10			REV.	
Input: 208V, 3PH, 60Hz Output: 208V, 3PH, 60Hz		DRAWN BY:	JAYAPRAKASH	01-MAR-12	THIRD
TOP VIEWS	ENGINEER:	J.RING/F.DIOSA	19-MAR-12	ANGLE	
PROJECT: DRAWINGS	SHEET 5 OF 13	APPROVED BY:	R.HANSEN/E.SILVA	19-MAR-12	PROJECTION





BOTTOM VIEW

NOTES:

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- 3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS], UNLESS OTHERWISE SPECIFIED.
- △4. TO STABILIZE THE ENCLOSURE (IF IT IS NOT JOINED WITH ANOTHER COMPONENT) USE THE AR8112BLK BOLT-DOWN KIT. ATTACH THE BRACKETS TO THE UNIT AS SHOWN. USE CODE COMPLIANT FASTENERS TO SECURE THE UNIT TO THE FLOOR.

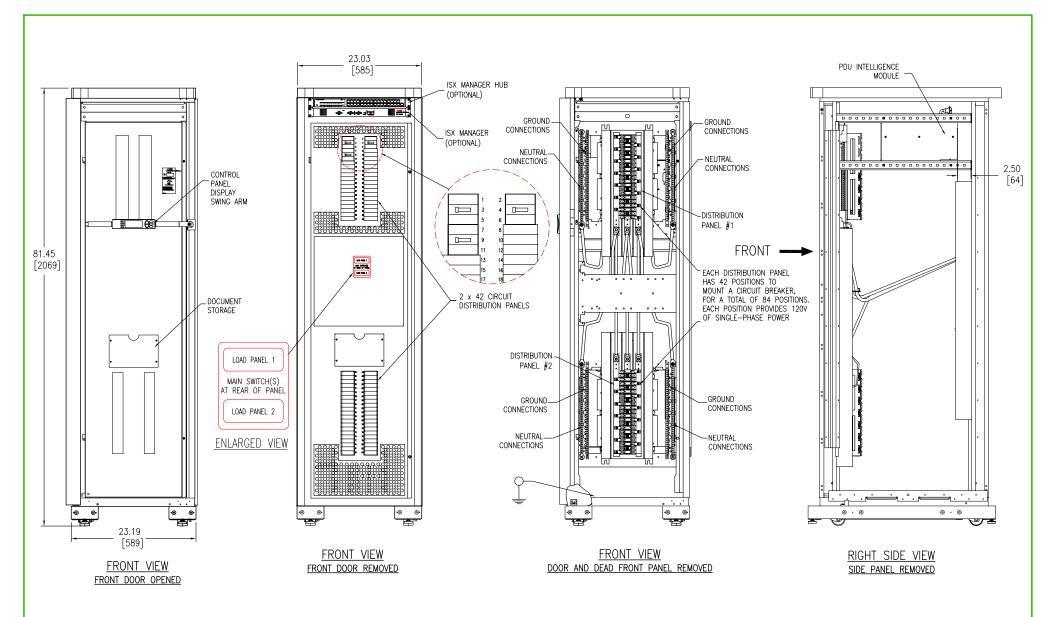
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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW TRANSFORMERLESS
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
BOTTOM VIEW & ANCHORING DETAILS

PROJECT: DRAWINGS SHEET 6 OF 13 APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12

DRAWN BY: JAYAPRAKASH 01-MAR-12 THIRD ENGINEER: J.RING/F.DIOSA 19-MAR-12 ANGLE



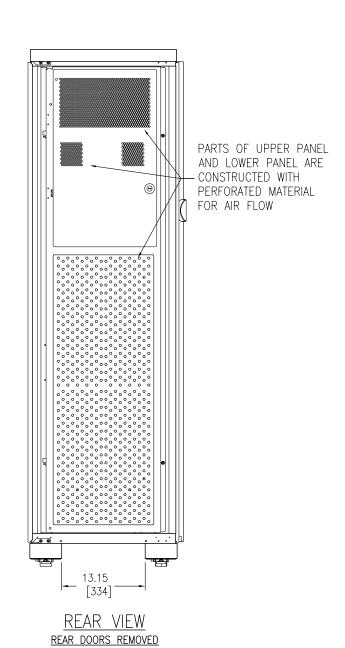
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- 4. SOME STRUCTURAL DETAILS HAVE BEEN OMITTED FOR THE PURPOSE OF CLARITY.

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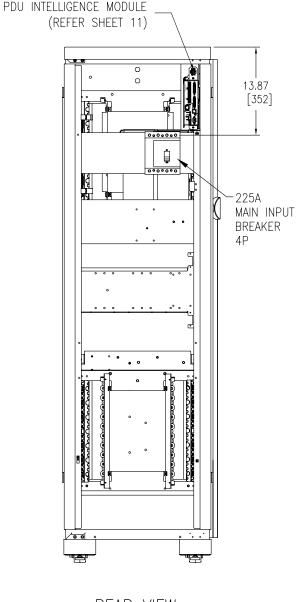


TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW TRANSFORMERLESS
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz INTERNAL VIEW
INTERNAL VIEW

TITLE: CONFIGURABLE POWER DISTRIBUTION InfraStruxure PDU 60kW TRANSFORMERLESS	DWG NO: PDR	REV.	
Input: 208V, 3PH, 60Hz Output: 208V, 3PH, 60Hz	DRAWN BY: JAYAPF	RAKASH 01-MAR-12	THIRD
INTERNAL VIEW	ENGINEER: J.RING/	F.DIOSA 19-MAR-12	ANGLE
PROJECT: DRAWINGS SHEET 7 OF 13	APPROVED BY: R.HANSEI	N/E.SILVA 19-MAR-12	PROJECTION



PDU **INTELLIGENCE** MODULE 0 MAIN INPUT SWITCH .INTERNAL • POWER FLOW DIAGRAM (REFER SHEET 9) LOID PRIEL 1 0,0,0,0,0,0,0,0,0 4



REAR VIEW
PANELS & DOORS REMOVED

PROJECT: DRAWINGS SHEET 8 OF 13 APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12

NOTES:

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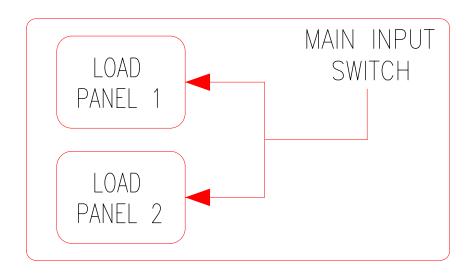
REAR VIEW

TOP DOOR REMOVED

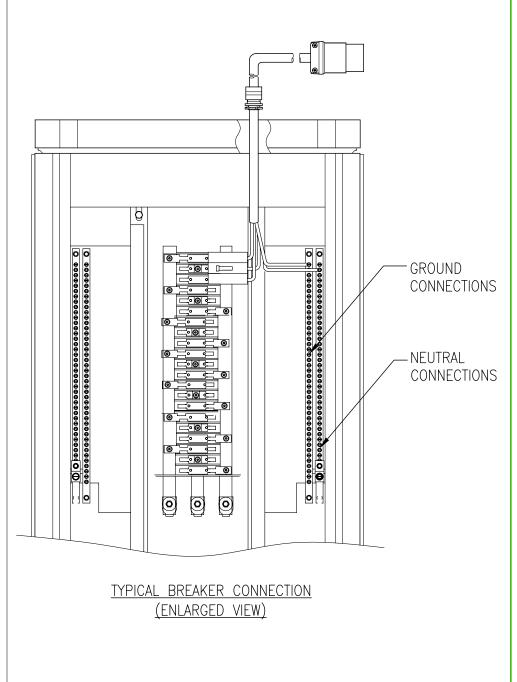
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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW TRANSFORMERLESS
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
REAR VIEWS

S	DWG NO: F	PDRPP	NX10	KEV.
	DRAWN BY:	JAYAPRAKASH	01-MAR-12	THIRD
	ENGINEER:	J.RING/F.DIOSA	19-MAR-12	ANGLE



INTERNAL POWER FLOW DIAGRAM



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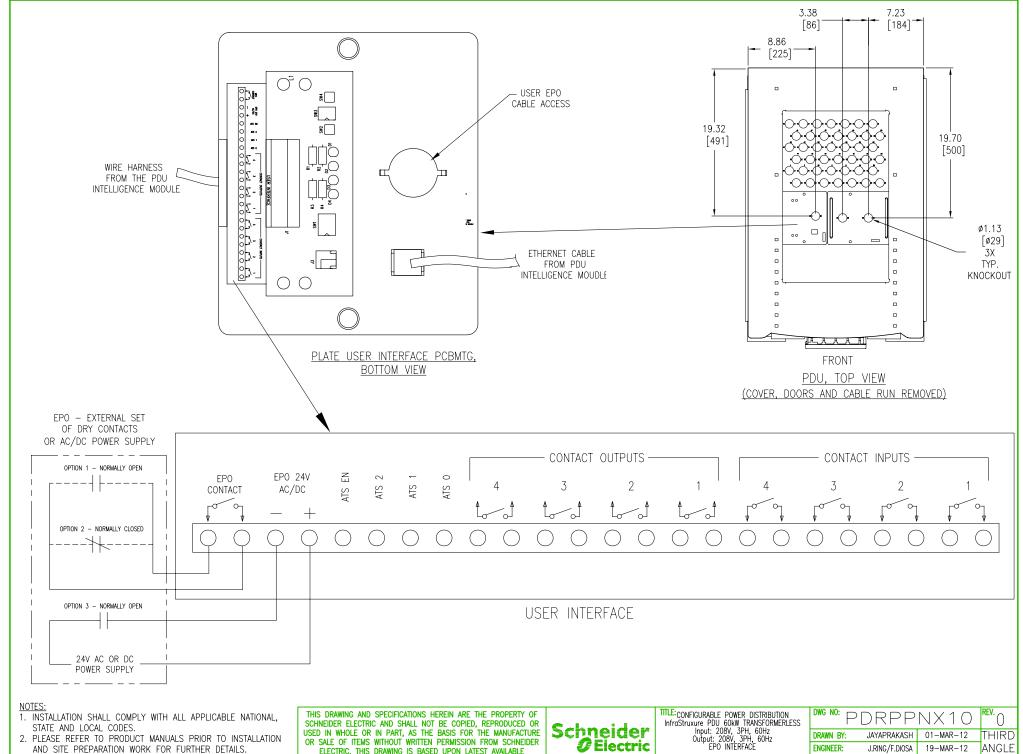
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InfraStruxure PDU 60kW TRANSFORMERLESS	DWG NO:	DRPP	NX10
Input: 208V, 3PH, 60Hz Output: 208V, 3PH, 60Hz	DRAWN BY:	JAYAPRAKASH	01-MAR-12
MIC DIAGRAM & TYPICAL BREAKER CONNECTION	FNGINFFR:	J RING/F DIOSA	19-MAR-12

PROJECT: DRAWINGS SHEET 9 OF 13 APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12

19-MAR-12

THIRD



AND SITE PREPARATION WORK FOR FURTHER DETAILS.

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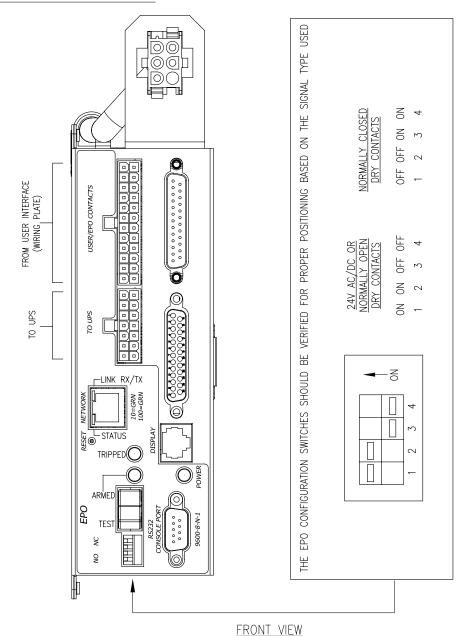
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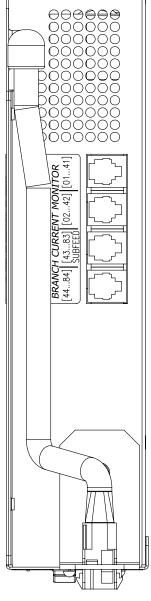
ENGINEER: J.RING/F.DIOSA 19-MAR-12 ANGLE

PROJECTION

PROJECT: DRAWINGS SHEET 100F13 APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12

PDU INTELLIGENCE MODULE





TOP VIEW

CONNECTORS ARE PREWIRED IF PDU IS PURCHASED WITH BRANCH CURRENT MONITORING SYSTEM

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- 2. PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.

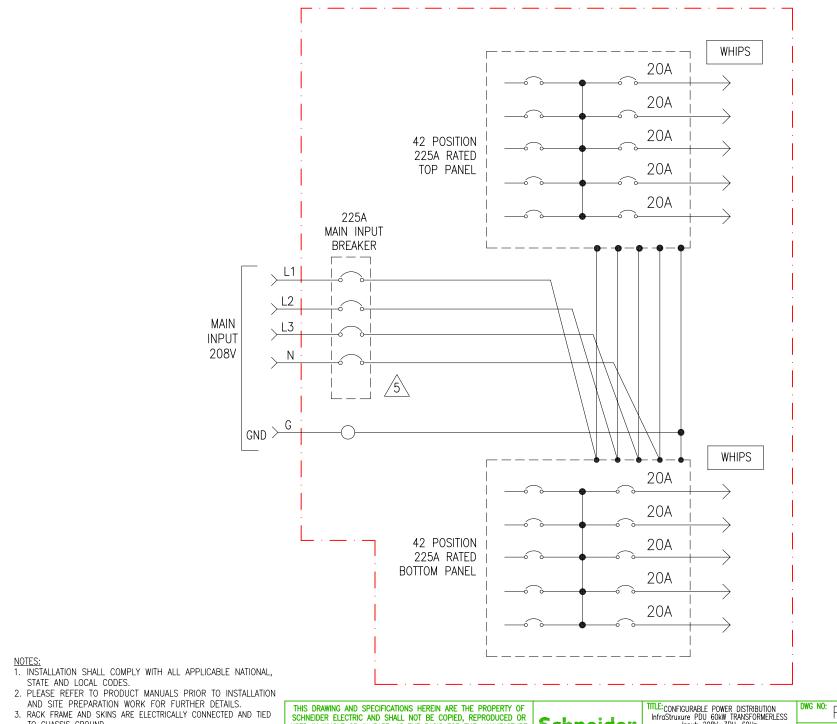
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TITLE: CONFIGURABLE POWER DISTRIBUTION InfroStruxure PDU 60kW TRANSFORMERLESS Input: 208V, 3PH, 60Hz Output: 208V, 3PH, 60Hz INTELLIGENCE MODULE

DWG NO: PDRPPNX10			REV.
DRAWN BY:	JAYAPRAKASH	01-MAR-12	THIRD
ENGINEER:	J.RING/F.DIOSA	19-MAR-12	ANGLE

PROJECT: DRAWINGS SHEET 110F13 APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12



TO CHASSIS GROUND. 4. TRANSFORMER BASE IS GROUNDED THROUGH FRAME.

△5. SHUNT TRIP ON EPO SIGNAL

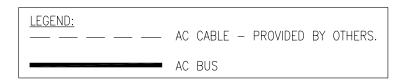
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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfroStruxure PDU 60kW TRANSFORMERLESS
Input: 208Y, 3PH, 60Hz
Output: 208Y, 3PH, 60Hz
FIVE LINE DIAGRAM

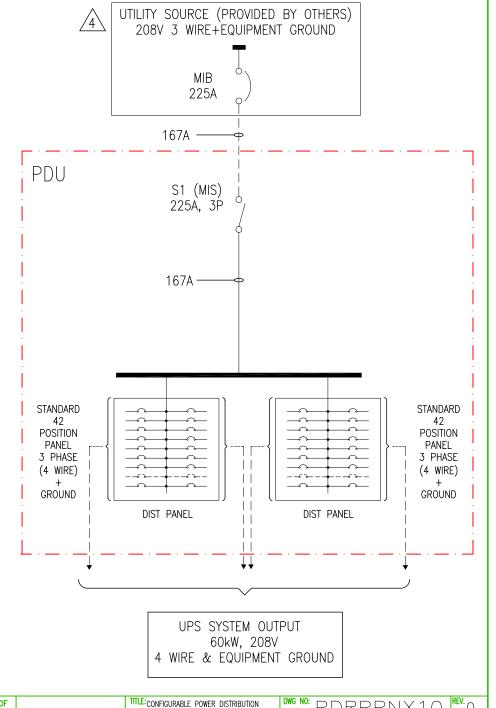
PDRPPNX10 DRAWN BY: JAYAPRAKASH 01-MAR-12

ANGLE PROJECTION ENGINEER: J.RING 19-MAR-12 PROJECT: DRAWINGS SHEET 120F13 APPROVED BY: B.SHERIDAN/E.SILVA 19-MAR-12



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- PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.
- DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT, PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
- △4. AC SOURCE TO BE 208VAC 3PH 4 WIRE + EQUIPMENT GROUND (PROVIDED BY OTHERS).
- INPUT OVERCURRENT PROTECTION AND WIRING MUST BE INSTALLED FOR A FULLY RATED 40kW SYMMETRA 3 PHASE.
 - INPUT OVERCURRENT PROTECTION IS BASED ON 80% RATING. ANY DEVIATION PLEASE CONTACT SCHNEIDER ELECTRIC.



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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfroStruxure PDU 60kW TRANSFORMERLESS
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
SYSTEM ONLE LINE DIAGRAM

DWG NO: PDRPPNX10 REV. 0

DRAWN BY: JAYAPRAKASH 01-MAR-12 ANGLE

Output: 208V, 3PH, 60Hz
SYSTEM ONLE LINE DIAGRAM

PROJECT: DRAWINGS SHEET 130F13 APPROVED BY:B.SHERIDAN/F.DIOSA

OLD HARR-12 ANGLE

ENGINEER: J.RING/A.WARNER 19-MAR-12 PROJECTION

PROJECT: DRAWINGS SHEET 130F13 APPROVED BY:B.SHERIDAN/F.DIOSA