

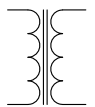


CONFIGURABLE POWER DISTRIBUTION, InfraStruxure PDU 60kW 208V/208V with transformer

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

| LEGEND | |
|---|-----------------|
| SYMBOL | DESCRIPTION |
|  | CIRCUIT BREAKER |
|  | SWITCH |
|  | TRANSFORMER |

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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW W/ TRANSFORMER
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
DRAWING GUIDE

PROJECT: DRAWINGS SHEET 1 OF 13

| | | | |
|--------------|------------------|-----------|------------|
| DWG NO: | PD60F6FK1 | REV. | 0 |
| DRAWN BY: | JAYAPRAKASH | 19-MAR-12 | ANGLE |
| ENGINEER: | J.RING/F.DIOSA | 19-MAR-12 | PROJECTION |
| APPROVED BY: | R.HANSEN/E.SILVA | 19-MAR-12 | N/A |

CONFIGURABLE POWER DISTRIBUTION - SPECIFICATIONS

1. AC Input

- 1.1 Nominal voltage : 208V 3PH WYE, 3W+G (provided by others)
- 1.2 Frequency : 60Hz
- 1.3 Input Circuit Breaker : 225A
- 1.4 Nominal current : 167A
- 1.5 Main Input conductor minimum size : #4/0 AWG (final conductor size shall be determined per local or national codes)

2. AC Output

- 2.1 Nominal voltage : 208V 3PH 4W+G
- 2.2 Nominal current : 167A
- 2.3 Full Load rating : 60kW
- 2.4 Distribution Panel : 2 x 225A, 42-position
- 2.5 Distribution Breaker Size : 150A (Max)

3. ENVIRONMENTS

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

4. ENCLOSURE

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

5. CONNECTIONS

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

NOTES:

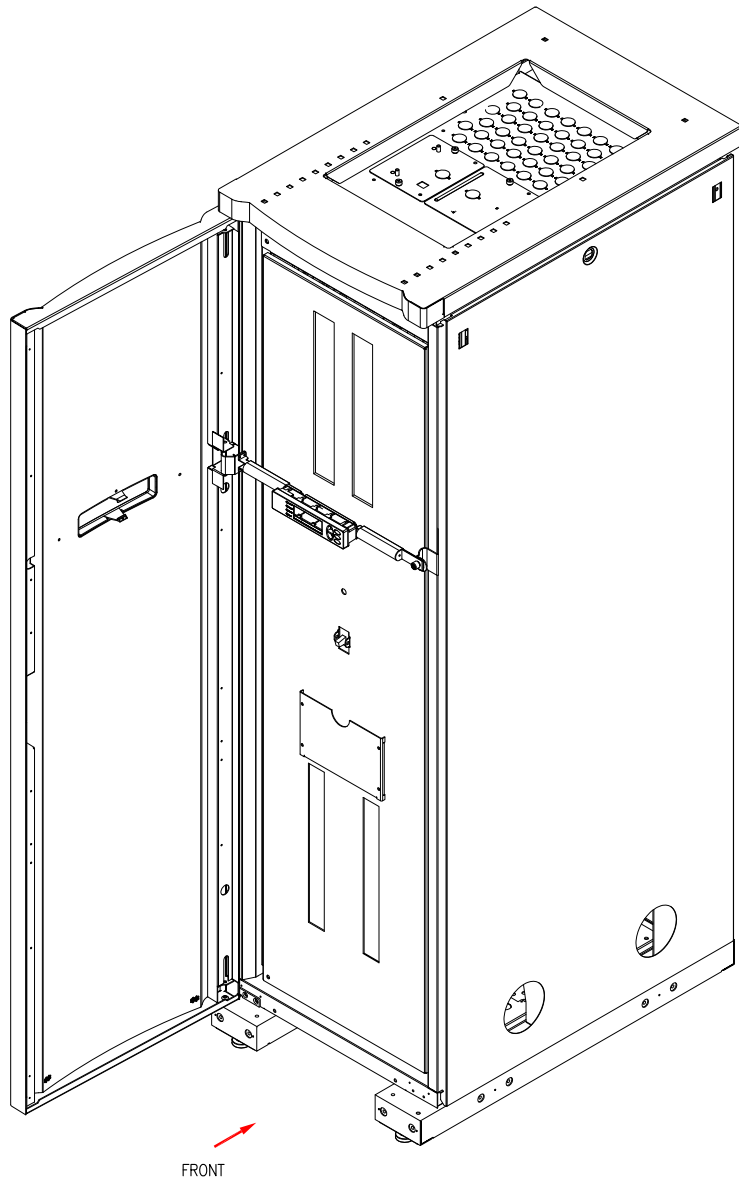
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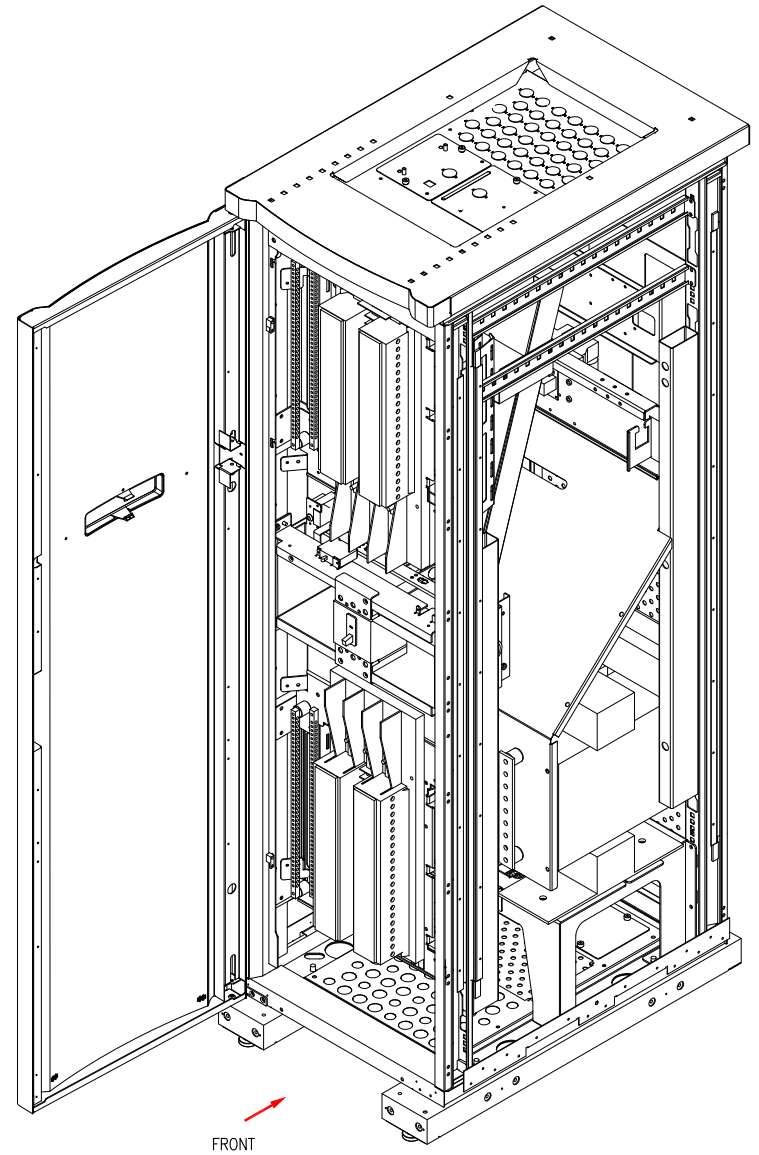


TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW W/ TRANSFORMER
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
SPECIFICATIONS
PROJECT: DRAWINGS SHEET 2 OF 13

| | | | |
|--------------|------------------|-----------|------------|
| DWG NO: | PD60F6FK1 | REV. | 0 |
| DRAWN BY: | JAYAPRAKASH | 19-MAR-12 | ANGLE |
| ENGINEER: | J.RING/F.DIOSA | 19-MAR-12 | PROJECTION |
| APPROVED BY: | R.HANSEN/E.SILVA | 19-MAR-12 | N/A |



ISOMETRIC VIEW



ISOMETRIC VIEW
(INSIDE PANELS REMOVED)

NOTES:

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TITLE: CONFIGURABLE POWER DISTRIBUTION
 InfraStruxure PDU 60kW W/ TRANSFORMER
 Input: 208V, 3PH, 60Hz
 Output: 208V, 3PH, 60Hz
 DIMETRIC VIEW

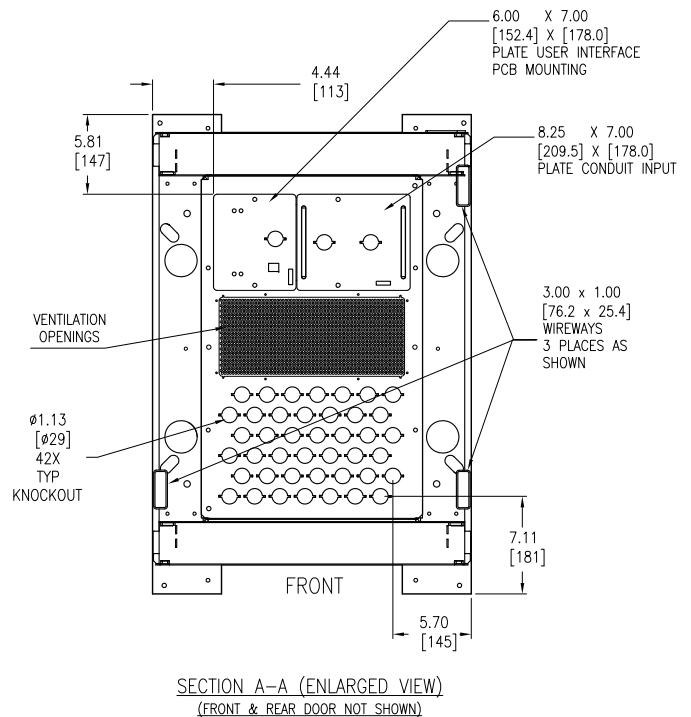
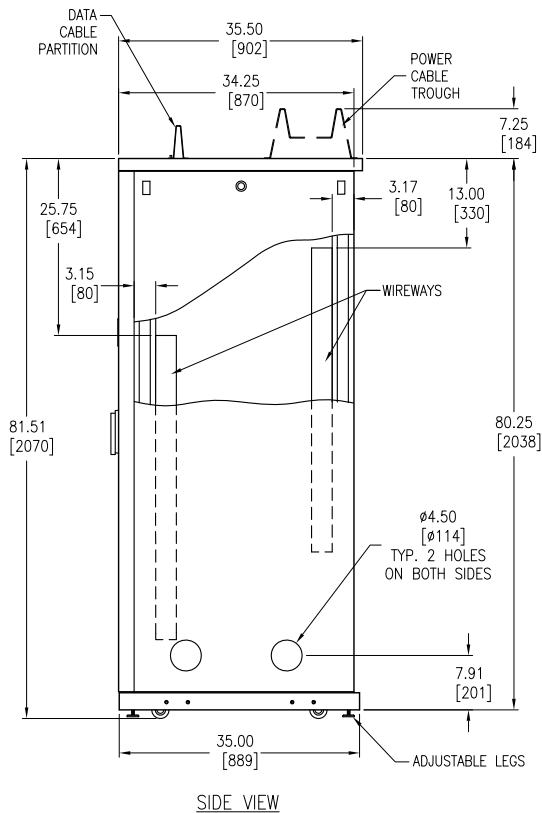
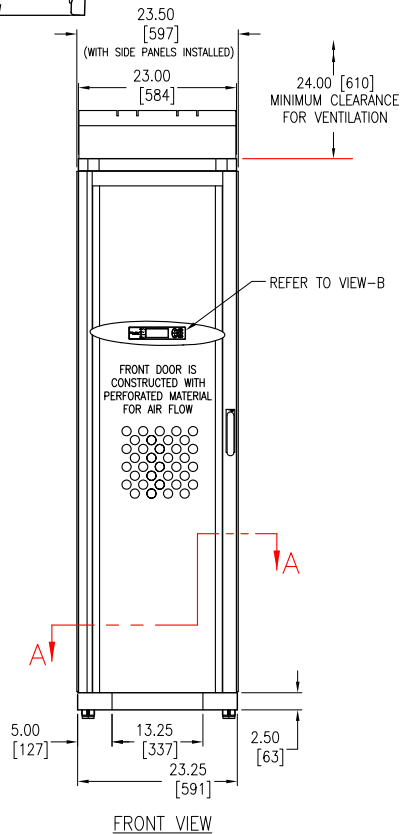
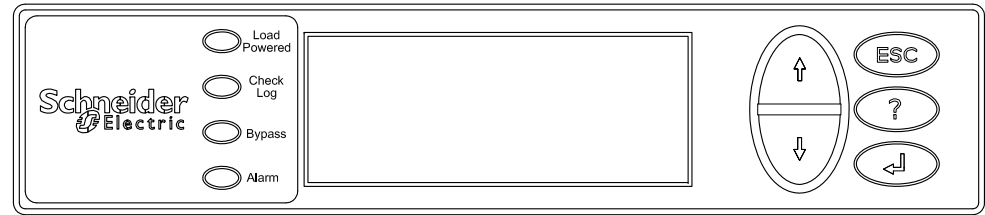
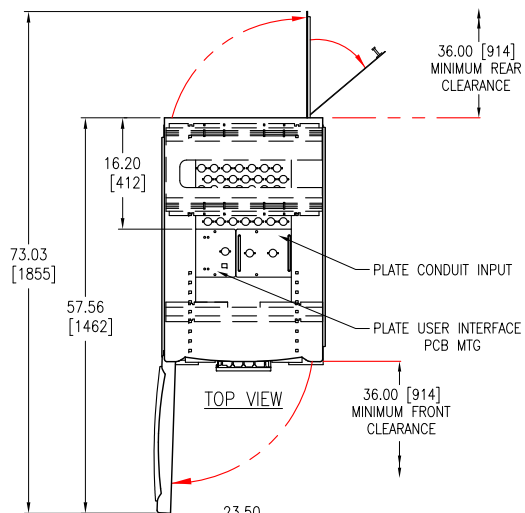
DWG NO: PD60F6FK1 REV: 0

DRAWN BY: JAYAPRAKASH 19-MAR-12 THIRD

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

APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12 PROJECTION

PROJECT: DRAWINGS SHEET 3 OF 13



- NOTES:
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 2. PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.
 3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS], UNLESS OTHERWISE SPECIFIED.
 4. CABLE ENTRY IS FROM SIDE, TOP OR BOTTOM OF THE UNIT.
 5. FRONT AND REAR ACCESS ARE REQUIRED FOR SERVICE.
 6. WEIGHT OF THE UNIT IS 1012 lb [460kg].
 7. FLOOR LOADING: 175 lb/ft² [853 kg/meter²].
 8. OPERATING TEMPERATURE: 32-104°F [0-40°C].
 9. DATA CABLE PARTITION AND POWER CABLE TROUGH ARE NOT PART OF THE SKU.
 10. COLOR: BLACK.

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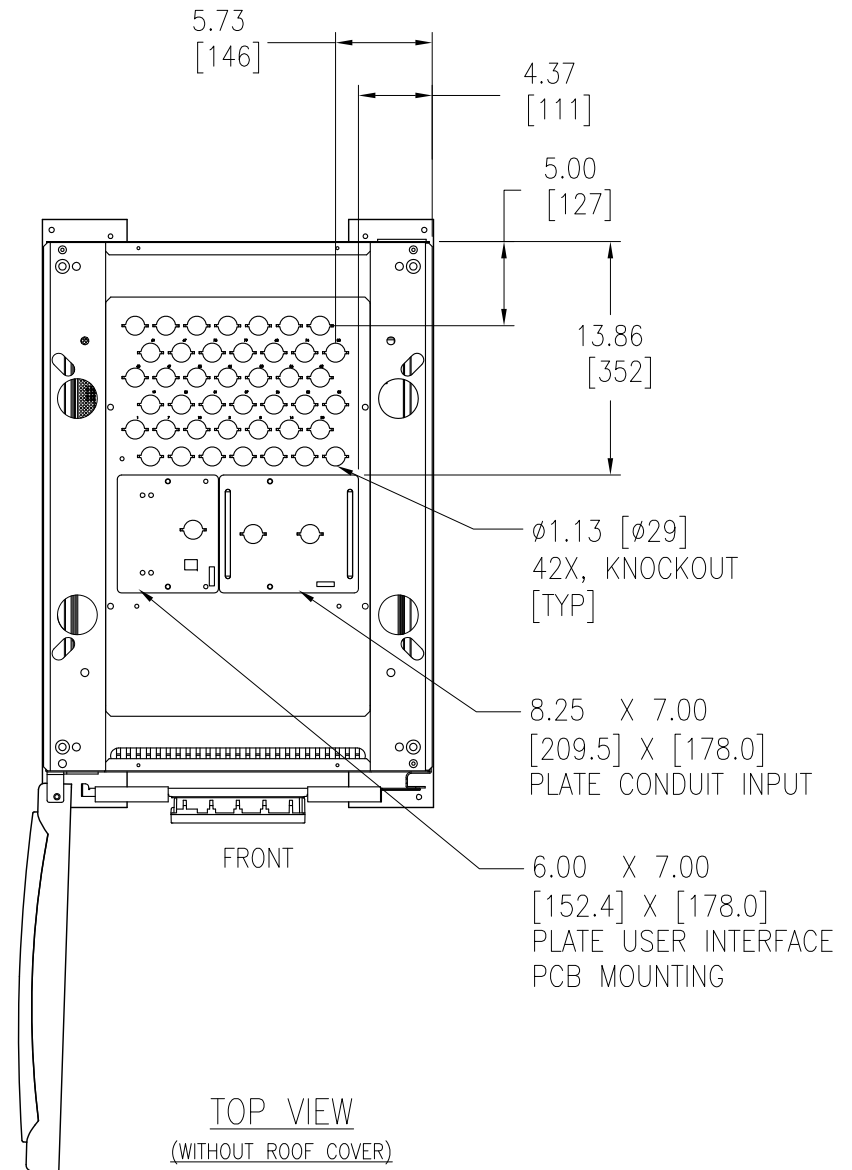
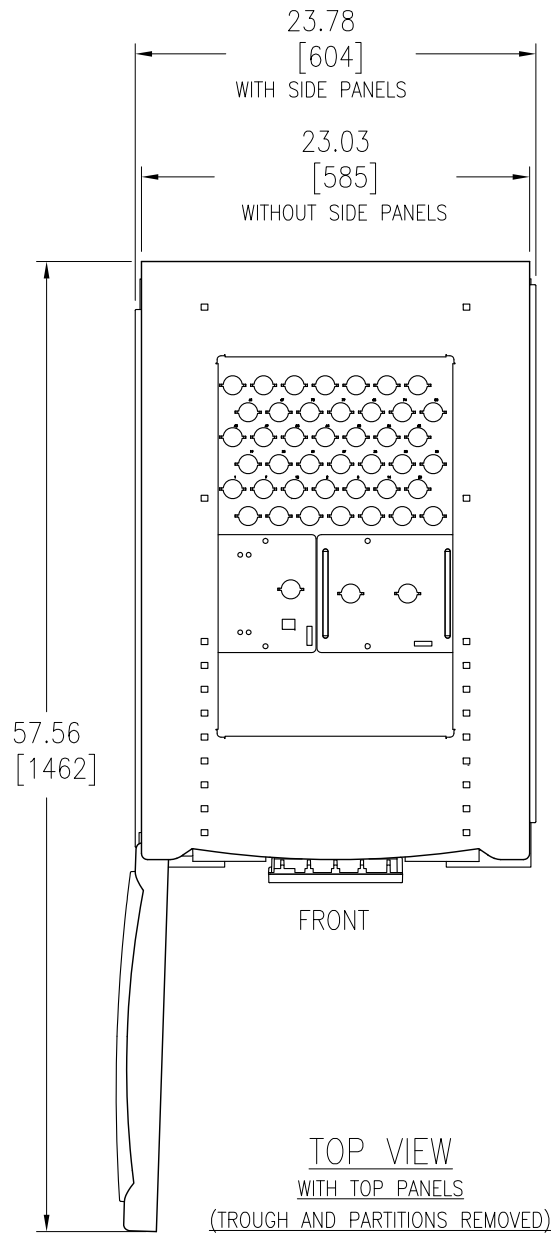
Schneider Electric

TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW W/ TRANSFORMER
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
GENERAL ARRANGEMENT

DWG NO: PD60F6FK1 REV. 1

DRAWN BY: JAYAPRAKASH 18-MAY-20 THIRD
ENGINEER: J.RING/F.DIOSA 18-MAY-20 ANGLE
APPROVED BY: R.HANSEN/E.SILVA 18-MAY-20 PROJECTION

PROJECT: DRAWINGS SHEET 4 OF 13



NOTES:

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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW W/ TRANSFORMER
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
TOP VIEWS

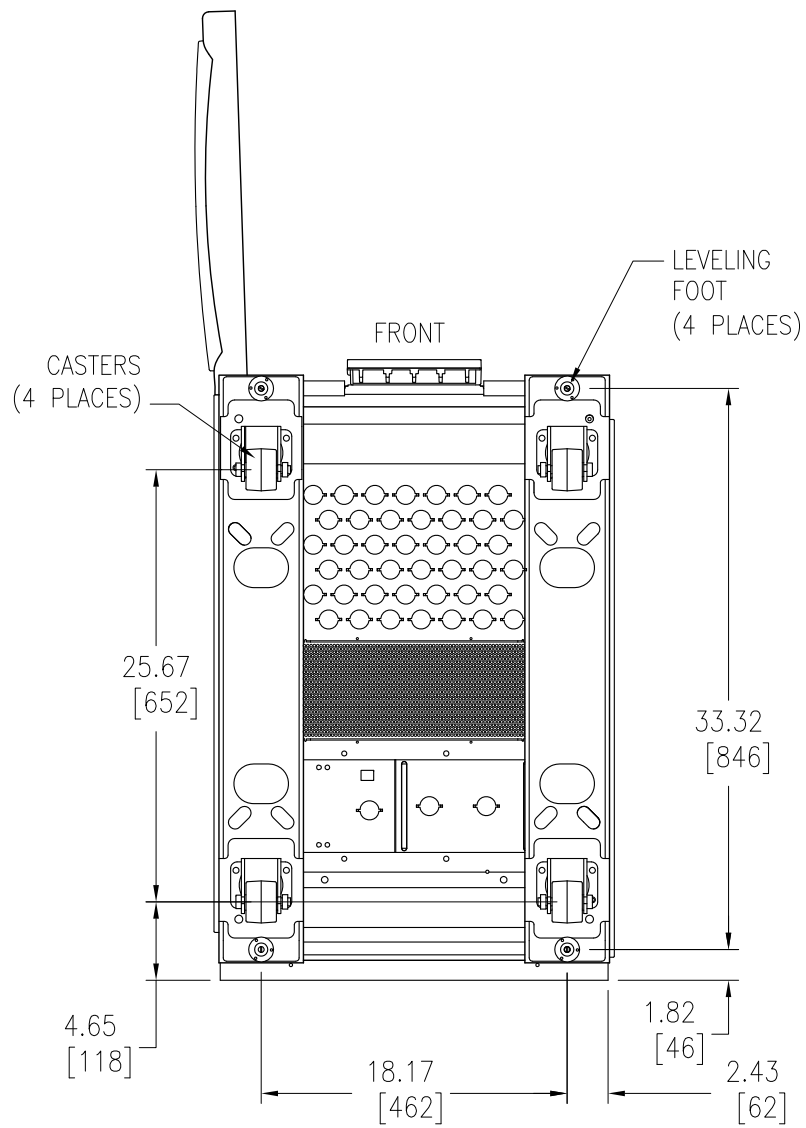
DWG NO: PD60F6FK1 REV. 0

DRAWN BY: JAYAPRAKASH 10-DEC-11 THIRD

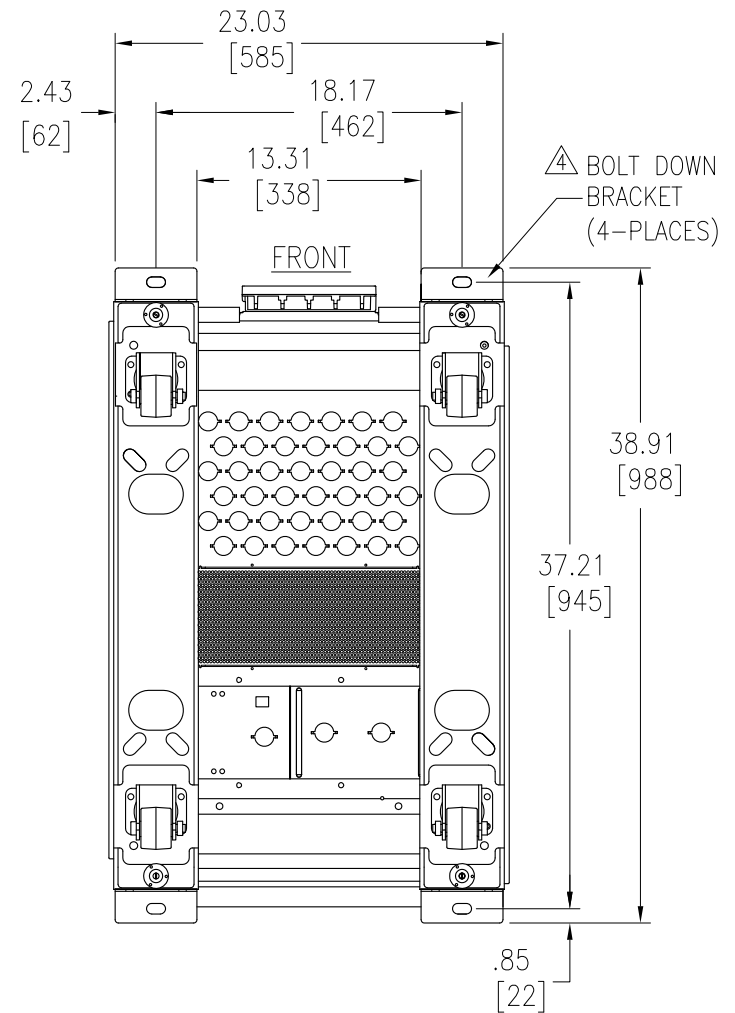
ENGINEER: J.RING/F.DIOSA 19-MAR-12 ANGLE

PROJECT: DRAWINGS SHEET 5 OF 13

APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12 PROJECTION



BOTTOM VIEW



BOTTOM VIEW
FRONT & REAR DOOR NOT SHOWN
(ANCHORING DETAILS WITH
BOLT DOWN BRACKETS)

NOTES:

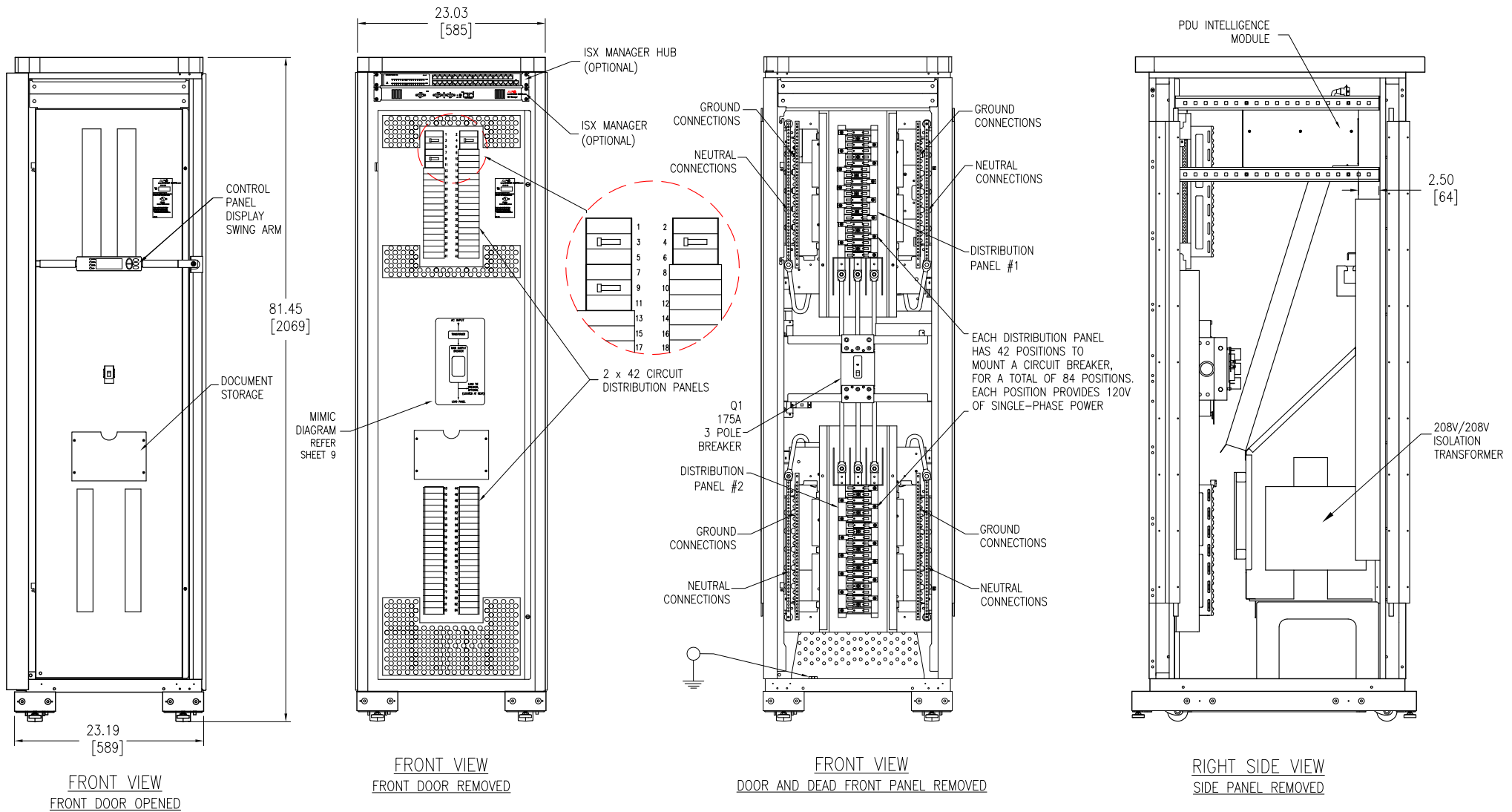
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 3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]. UNLESS OTHERWISE SPECIFIED.
- △ 4. TO STABILIZE THE ENCLOSURE (IF IT IS NOT JOINED WITH ANOTHER COMPONENT) USE THE AR8112BLK BOLT-DOWN KIT. ATTACH THE BRACKETS TO THE UNIT AS SHOWN. USE CODE COMPLIANT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

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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW W/ TRANSFORMER
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
BOTTOM VIEW & ANCHORING DETAILS
PROJECT: DRAWINGS | SHEET 6 OF 13

| | | | |
|--------------|------------------|-----------|------------|
| DWG NO: | PD60F6FK1 | REV: | 0 |
| DRAWN BY: | JAYAPRAKASH | 10-DEC-11 | THIRD |
| ENGINEER: | J.RING/F.DIOSA | 19-MAR-12 | ANGLE |
| APPROVED BY: | R.HANSEN/E.SILVA | 19-MAR-12 | PROJECTION |



NOTES:

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

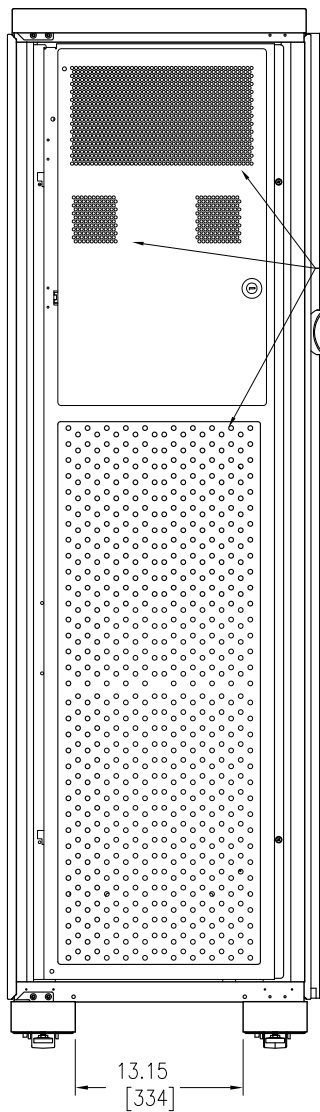
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TITLE: CONFIGURABLE POWER DISTRIBUTION
 InfraStruxure PDU 60kW W/ TRANSFORMER
 Input: 208V, 3PH, 60Hz
 Output: 208V, 3PH, 60Hz
 INTERNAL VIEW

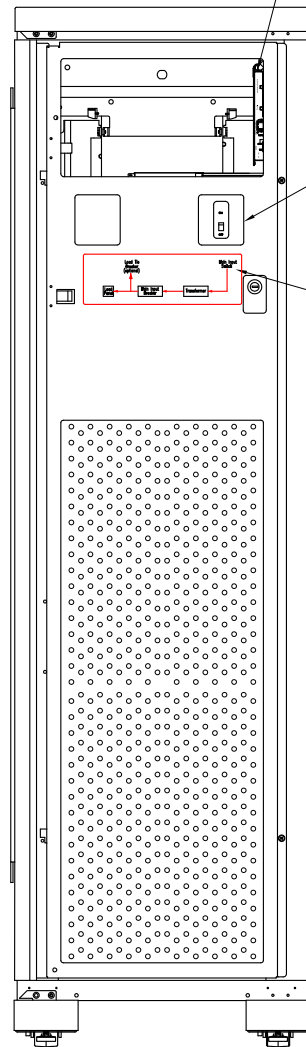
PROJECT: DRAWINGS SHEET 7 OF 13

| | | | |
|--------------|------------------|-----------|------------|
| DWG NO: | PD60F6FK1 | REV: | 0 |
| DRAWN BY: | JAYAPRAKASH | 10-DEC-11 | THIRD |
| ENGINEER: | J.RING/F.DIOSA | 19-MAR-12 | ANGLE |
| APPROVED BY: | R.HANSEN/E.SILVA | 19-MAR-12 | PROJECTION |



REAR VIEW
REAR DOORS REMOVED

PARTS OF UPPER PANEL AND LOWER PANEL ARE CONSTRUCTED WITH PERFORATED MATERIAL FOR AIR FLOW



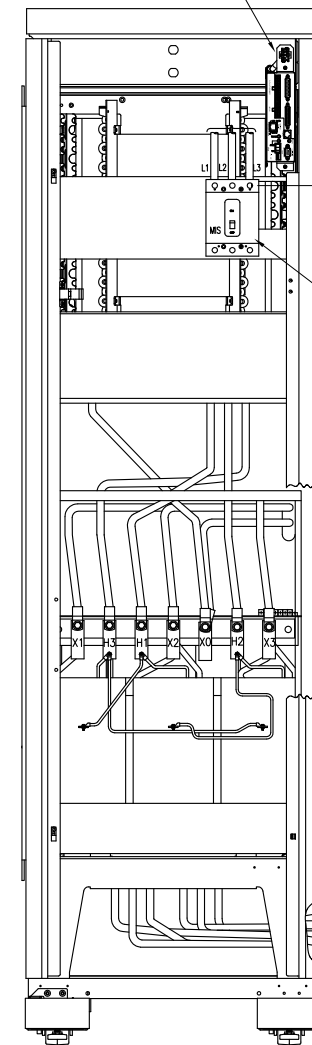
REAR VIEW
TOP DOOR REMOVED

PDU INTELLIGENCE MODULE

MAIN INPUT SWITCH

UPS LOAD TESTING DIAGRAM (REFER SHEET 9)

PDU INTELLIGENCE MODULE (REFER SHEET 11)



REAR VIEW
PANELS & DOORS REMOVED

13.87 [352]

225A/250A MAIN INPUT SWITCH

UPS INPUT/OUTPUT

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

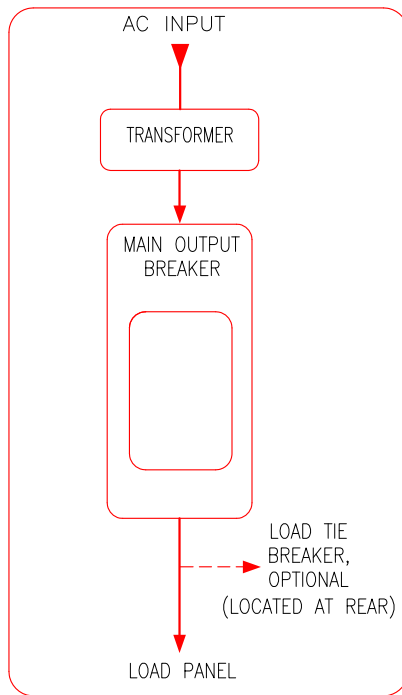
PROJECT: DRAWINGS SHEET 8 OF 13

DWG NO: PD60F6FK1 REV. 1

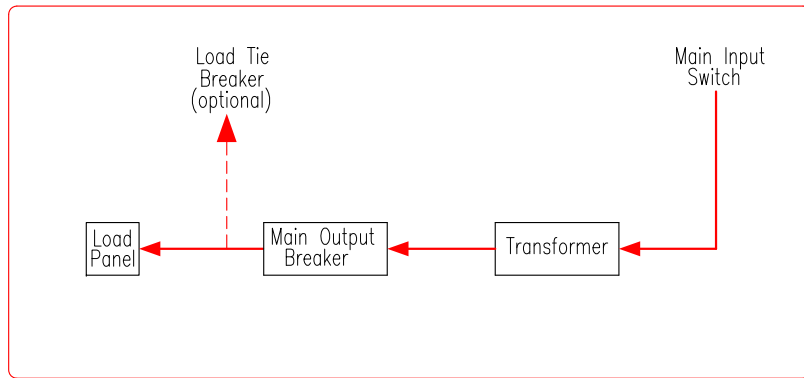
DRAWN BY: JAYAPRAKASH 18-MAY-20 THIRD

ENGINEER: J.RING/F.DIOSA 18-MAY-20 ANGLE

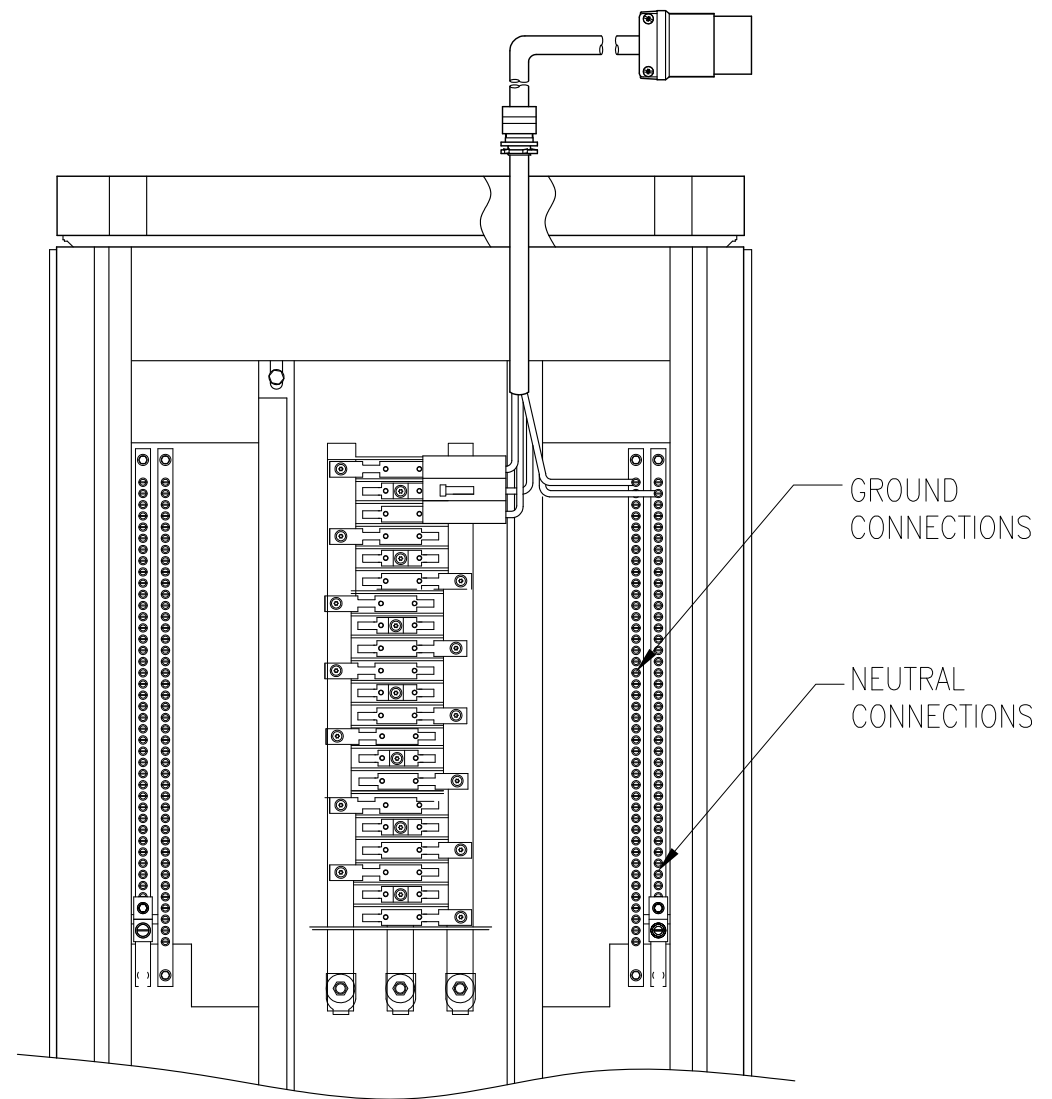
APPROVED BY: R.HANSEN/E.SILVA 18-MAY-20 PROJECTION



MIMIC DIAGRAM



INTERNAL MIMIC DIAGRAM



TYPICAL BREAKER CONNECTION (ENLARGED VIEW)

NOTES:

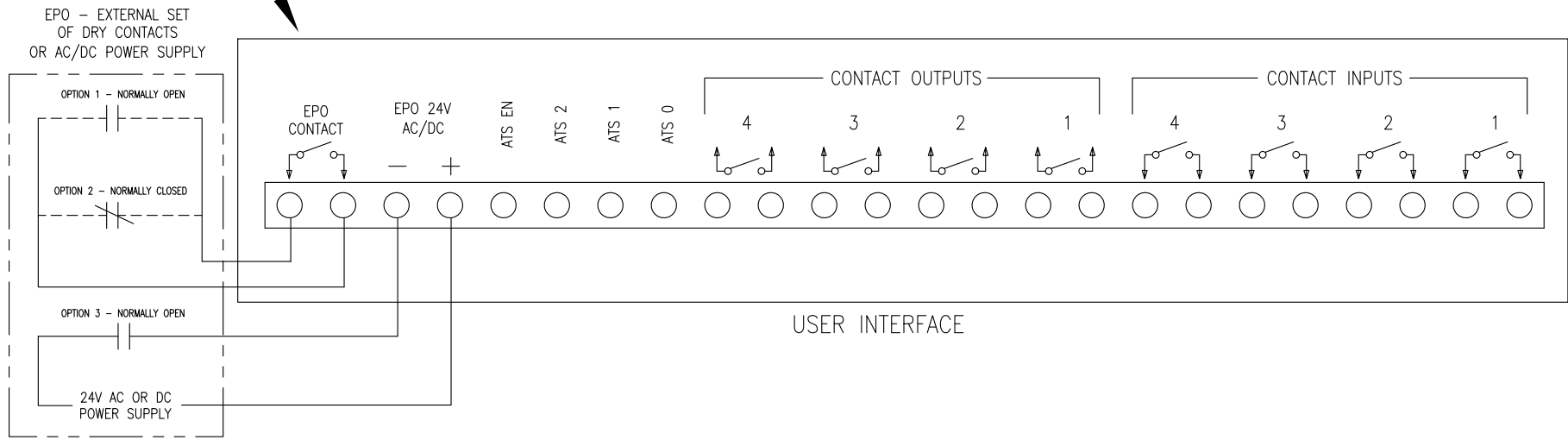
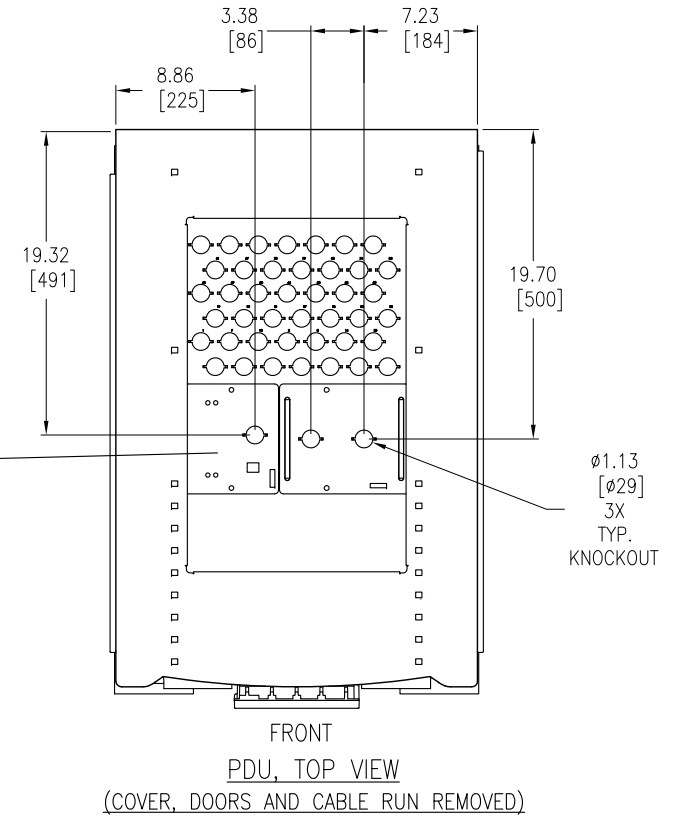
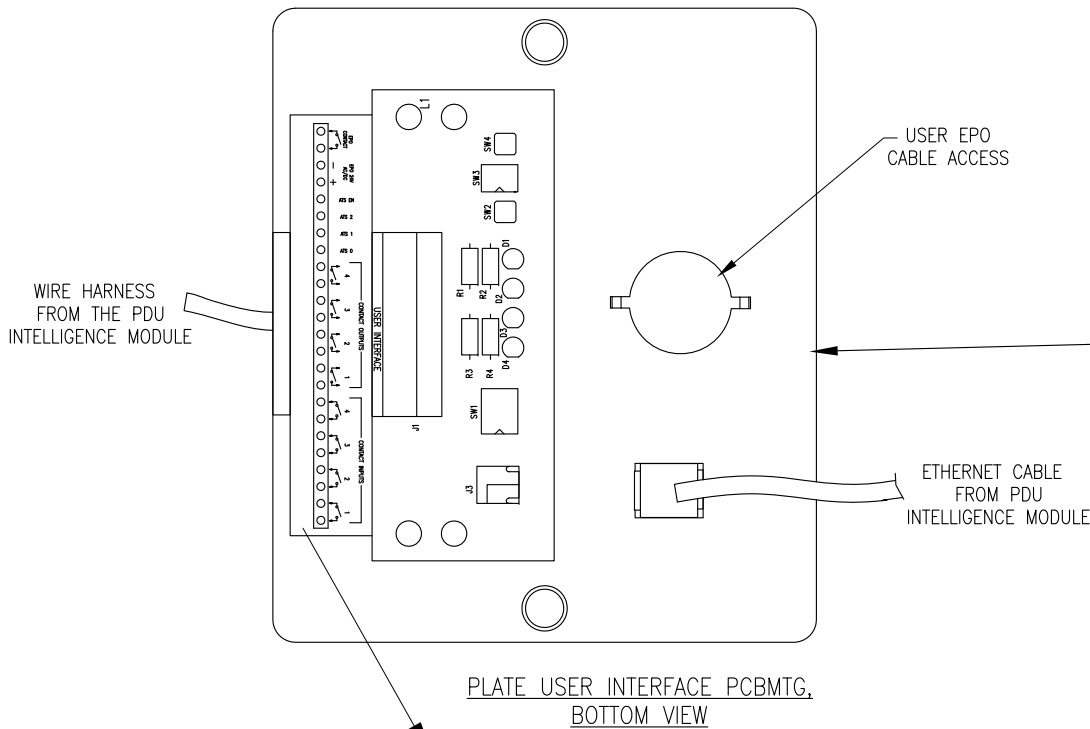
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TITLE: CONFIGURABLE POWER DISTRIBUTION
 InfraStruxure PDU 60kW W/ TRANSFORMER
 Input: 208V, 3PH, 60Hz
 Output: 208V, 3PH, 60Hz
 MIMIC DIAGRAM & TYPICAL BREAKER CONNECTION

| | | | |
|--------------|------------------|-----------|------------|
| DWG NO: | PD60F6FK1 | REV: | 0 |
| DRAWN BY: | JAYAPRAKASH | 10-DEC-11 | THIRD |
| ENGINEER: | J.RING/F.DIOSA | 19-MAR-12 | ANGLE |
| APPROVED BY: | R.HANSEN/E.SILVA | 19-MAR-12 | PROJECTION |



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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW W/ TRANSFORMER
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
EPO INTERFACE

PROJECT: DRAWINGS SHEET 10 OF 13

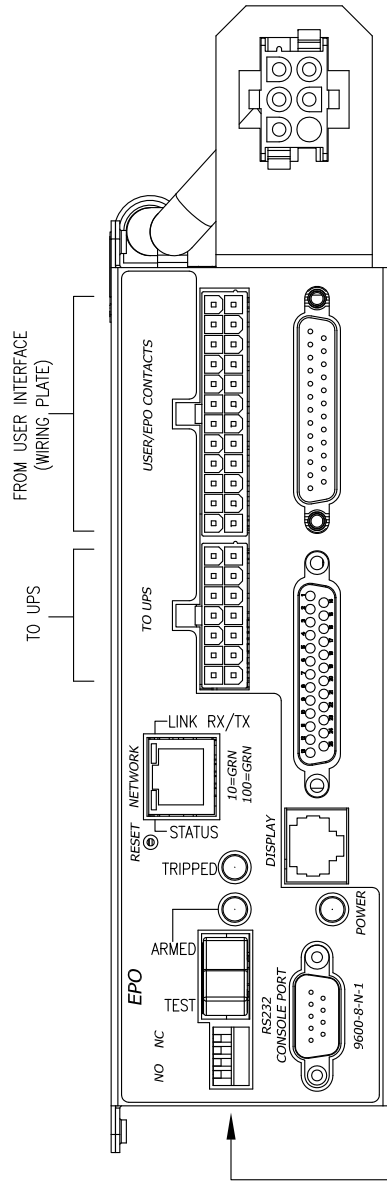
DWG NO: PD60F6FK1 REV. 0

DRAWN BY: JAYAPRAKASH 10-DEC-11 THIRD

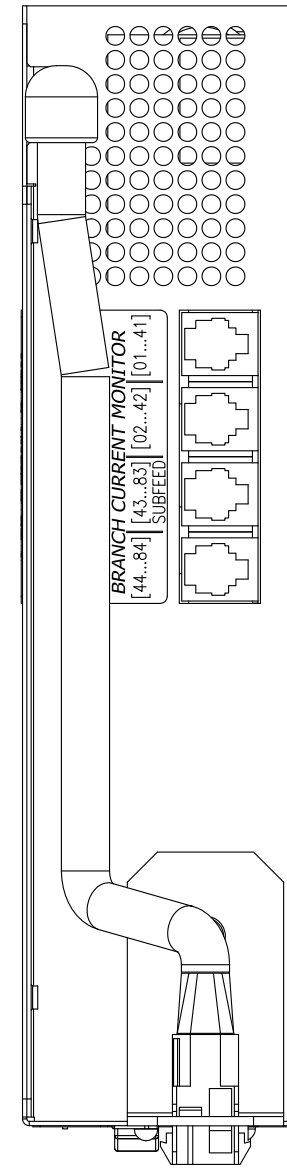
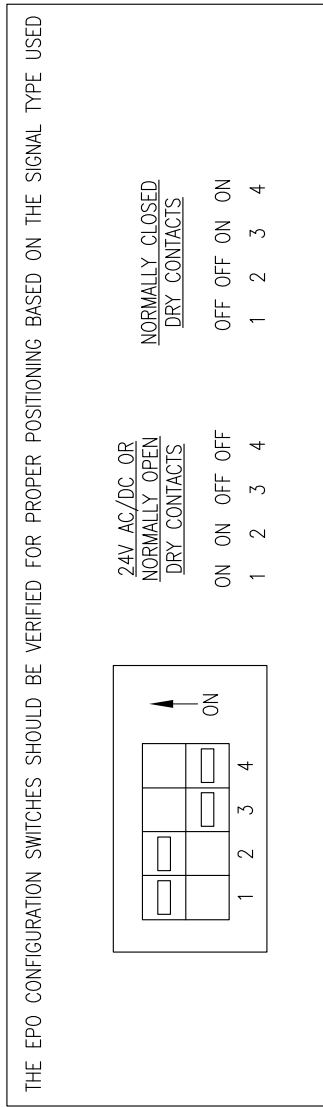
ENGINEER: J.RING/F.DIOSA 19-MAR-12 ANGLE

APPROVED BY: R.HANSEN/E.SILVA 19-MAR-12 PROJECTION

PDU INTELLIGENCE MODULE



FRONT VIEW



TOP VIEW

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

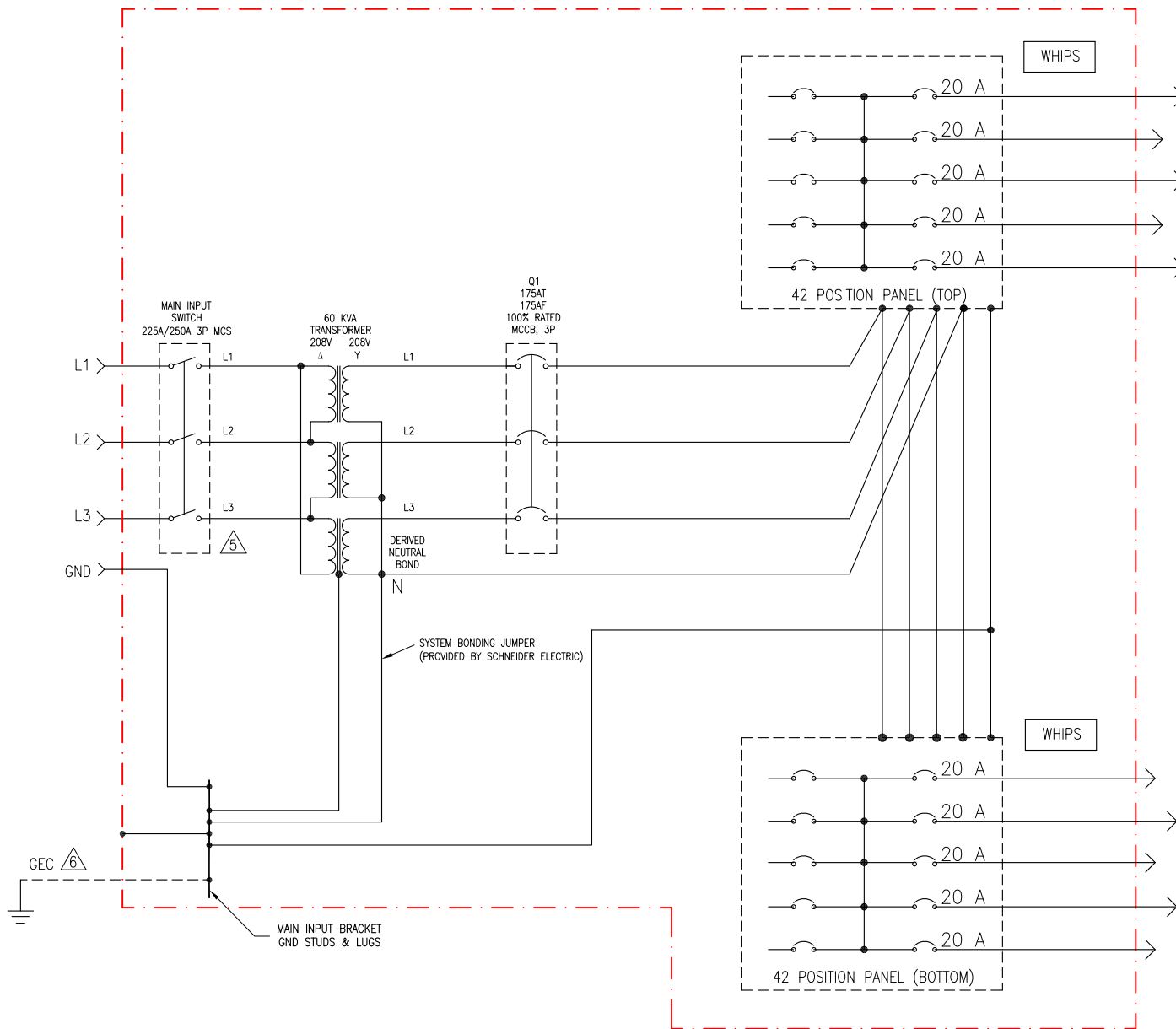
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TITLE: CONFIGURABLE POWER DISTRIBUTION
InfraStruxure PDU 60kW W/ TRANSFORMER
Input: 208V, 3PH, 60Hz
Output: 208V, 3PH, 60Hz
INTELLIGENCE MODULE

| | | | |
|--------------|------------------|-----------|------------|
| DWG NO: | PD60F6FK1 | REV. | 0 |
| DRAWN BY: | JAYAPRAKASH | 10-DEC-11 | THIRD |
| ENGINEER: | J.RING/F.DIOSA | 19-MAR-12 | ANGLE |
| APPROVED BY: | R.HANSEN/E.SILVA | 19-MAR-12 | PROJECTION |



NOTES:

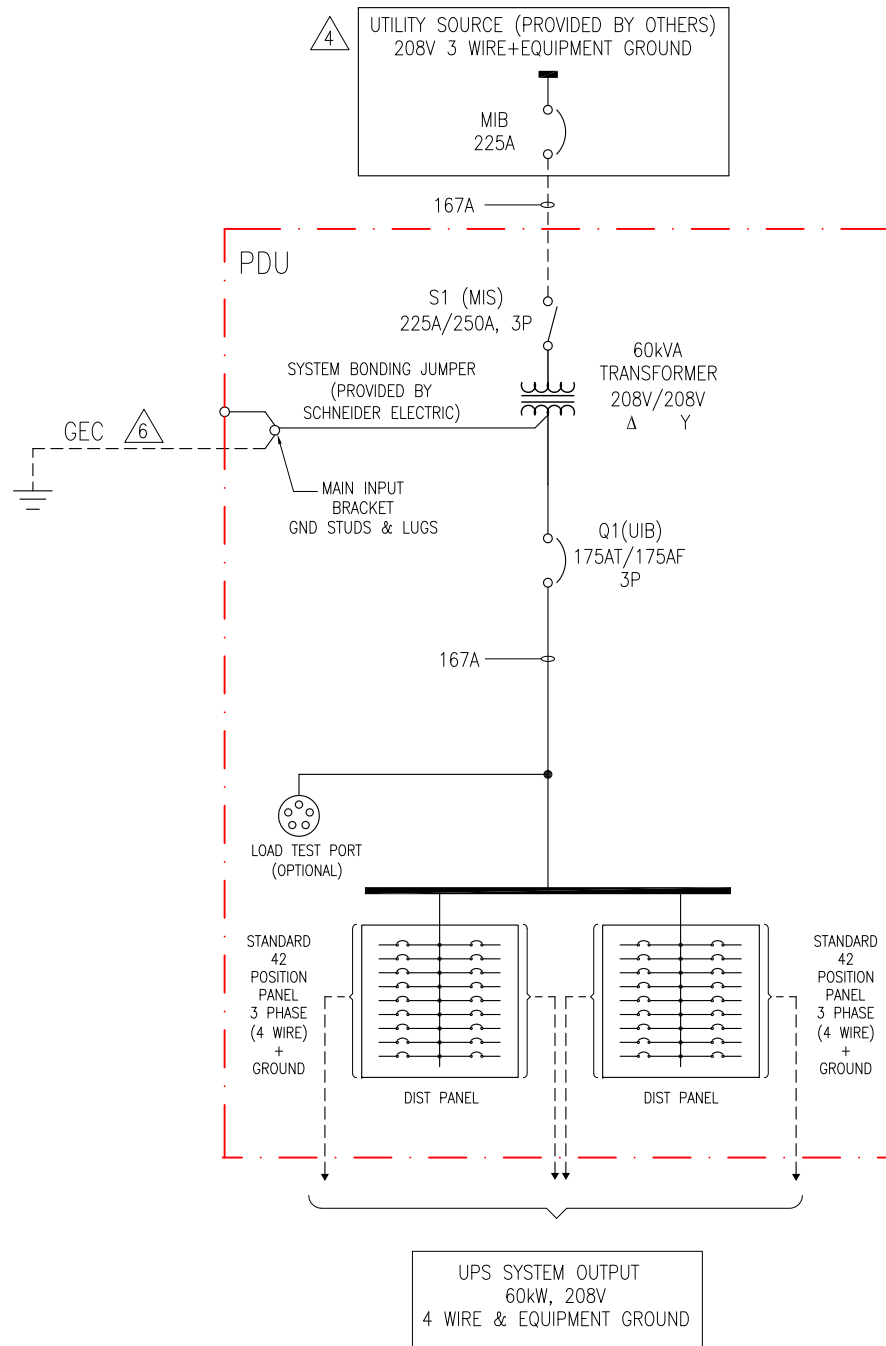
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.
3. RACK FRAME AND SKINS ARE ELECTRICALLY CONNECTED AND TIED TO CHASSIS GROUND.
4. TRANSFORMER BASE IS GROUNDED THROUGH FRAME.
- △5. SHUNT TRIP ON EPO SIGNAL
- △6. THIS SYSTEM SHALL BE INSTALLED AS A SEPARATELY DERIVED SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES THE GROUNDING ELECTRODE CONDUCTOR (GEC) IS PROVIDED BY OTHERS.

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TITLE: CONFIGURABLE POWER DISTRIBUTION
 InfraStruxure PDU 60kW W/ TRANSFORMER
 Input: 208V, 3PH, 60Hz
 Output: 208V, 3PH, 60Hz
 FIVE LINE DIAGRAM
 PROJECT: DRAWINGS SHEET 12 OF 13

| | | | |
|--------------|-----------------|-----------|------------|
| DWG NO: | PD60F6FK1 | REV. | 1 |
| DRAWN BY: | JAYAPRAKASH | 18-MAY-20 | ANGLE |
| ENGINEER: | EMANUEL MARTNEZ | 18-MAY-20 | PROJECTION |
| APPROVED BY: | VICTOR ESPINOSA | 18-MAY-20 | N.A |



LEGEND:

----- AC CABLE - PROVIDED BY OTHERS.

———— AC BUS

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.
3. 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 3 WIRE + EQUIPMENT GROUND (PROVIDED BY OTHERS).
5. INPUT OVERCURRENT PROTECTION AND WIRING MUST BE INSTALLED FOR A FULLY RATED 60kW SYMMETRA 3 PHASE. INPUT OVERCURRENT PROTECTION IS BASED ON 80% RATING. ANY DEVIATION PLEASE CONTACT SCHNEIDER ELECTRIC.
- △6. THIS SYSTEM SHALL BE INSTALLED AS A SEPARATELY DERIVED SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES. THE GROUNDING ELECTRODE CONDUCTOR (GEC) IS PROVIDED BY OTHERS.

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TITLE: CONFIGURABLE POWER DISTRIBUTION
 InfraStruxure PDU 60kW W/ TRANSFORMER
 Input: 208V, 3PH, 60Hz
 Output: 208V, 3PH, 60Hz
 SYSTEM ONE LINE DIAGRAM

| | | | |
|--------------|------------------|-----------|------------|
| DWG NO: | PD60F6FK1 | REV. | 1 |
| DRAWN BY: | JAYAPRAKASH | 18-MAY-20 | THIRD |
| ENGINEER: | J.RING/F.DIOSA | 18-MAY-20 | ANGLE |
| APPROVED BY: | R.HANSEN/E.SILVA | 18-MAY-20 | PROJECTION |