GUTOR™
by Schneider Electric

Industrial UPS engineering simplified

Gutor PXC

Gutor™ PXC is the first pre-engineered industrial UPS in its class designed to meet the requirements of both light and heavy industrial applications. Gutor PXC provides superior performance, protection, quality, ease of installation, and maintenance, while being unmatched for the shortest lead times in the industry.

schneider-electric.com

The first high-performance, pre-engineered, versatile industrial UPS with short lead time

High performance

- Compact footprint
- High efficiency: Up to 93% in double conversion mode, up to 99% in ECO mode
- Unity output power factor
- Wide operating temperature from 14 °F to 131 °F (-10 °C to 55 °C)
- Highly reliable and robust design based on traditional Gutor Industrial UPS system (15+ years design life) for low total cost of ownership
- Robust industrial switchgear cabinet with dust filters provides superior IP42/UL Type 1 protection standard
- 65 kA rated short circuit current Icc
- Excellent power conditioning and very low harmonic distortion
- Internal backfeed protection
- Wide input voltage range
- High overload capability
- High battery recharging power
- Network management card AP9635 ships standard with Ethernet IP, Modbus RS-485 and Modbus TCP, and IPv6 and out-of-band management support. Additional smart-slot available.
- Battery cold start without additional equipment
- Deep discharge protection
- PCBA conformal coated against moisture, dust, and chemicals

Pre-engineered

- Standardized engineering without compromise on performance to save on overall engineering solution cost
  - From fully customized engineering design to meet unique heavy industrial customer needs to standardized engineering design with easy add-on option kits to meet the requirements of both light and heavy industrial customers
  - Savings on overall industrial solution by reducing customized engineering design time and customized engineering documentation
- Low mean time to repair due to full front access servicing and internal modular design (power modules and fans)
- Compatible with diesel generators to ensure clean, uninterrupted power to critical equipment when generator power is used

Gutor PXC

Versatile

- Gutor PXC standard design meets the requirements of light industrial applications, as well as the requirements of heavy industrial applications with easy add-on performance upgrade kits
  - Healthcare
  - Transportation
  - Micro-electronics & Semiconductor
  - Food & Beverage
  - Pharmaceutical
  - Water & Wastewater
  - Manufacturing
  - Industrial Process
  - Mining
  - Power Generation
  - Oil & Gas
- Protection rating is easily and quickly upgraded in the field to IP54/NEMA Type 12 by replacing the standard dust filters with IP54/NEMA Type 12-rated dust filters. All IP54/NEMA Type 12 dust filters required for all the UPS air vents are available in one kit
- Seismic and vibration protection is also quickly upgraded in the field by installing OSHPD seismic kit onto the standard UPS design

Short lead time

- Transformerless-based UPS configurations and kits are stocked in distribution center for less than two weeks lead time
- Transformer-based UPS configurations have less than four weeks lead time

Available options

- Galvanic isolation transformers
  - Rectifier input: 480/208 V and 600/208 V
  - Bypass input: 480/208 V and 600/208 V
- Top cable entry cabinet for 25/37.5/50 kVA UPS (bottom cable entry as standard); top and bottom cable entry available as standard for 75/100 kVA UPS
- Five-year valve regulated lead acid batteries in cabinet with design matching UPS cabinet
  - Multiple backup times available
  - Vented lead acid and nickel cadmium batteries available on request
- Battery MCCB box to protect external batteries
- Second network management card
- UL924 emergency lighting
- IP54/NEMA Type 12 Dust Filters Kit to upgrade UPS enclosure protection rating to IP54/NEMA Type 12
- Empty auxiliary cabinet
- Seismic kit

Technical specifications/general data

UPS input	
Rectifier input voltage	3 x 208 V; 3 x 220 V
Rectifier input voltage tolerance	-10%/+10%
Rectifier input frequency	55 – 65 Hz
Rectifier current total harmonic distortion	< 5% at 100% load
Rectifier input power factor	typically 0.98 – 0.99
Bypass input voltage	3 x 208 V +/-10%; 3 x 220 V +/-10%
Bypass input frequency	60 Hz +/-8%
Battery	
Battery voltage	384 V
Battery type	Valve regulated lead acid (standard battery cabinet offer) Vented lead acid and nickel cadmium as configurable options (nonstandard)
UPS output	
Nominal UPS rating at 1.0 PF	25, 37.5, 50, 75, 100 kVA
Output voltage	3 x 208 V; 3 x 220 V
Voltage tolerance (static)	+/-1%
Overload	Inverter: 230% for 60 ms; 150% for 1 mn; 125% for 10 mn Bypass: 1,000% for 100 ms; 150% for 1 mn; 125% for 10 mn
Frequency	60 Hz
Frequency stability, free running	< 0.01%
Distortion factor	< 2% for linear load < 5% for nonlinear load
General data	
Ambient temperature range for storage	From -22 °F to 176 °F (-30 °C to 80 °C).
Ambient temperature range for operation	From 14 °F to 104 °F (-10 °C to 40 °C) at 100% nominal load From 105 °F to 131 °F (41 °C to 55 °C) with de-rating*
Altitude above sea level	< 3,280 ft (1,000 m) without load de-rating
Allowable air humidity	< 95% (noncondensing)
Noise level standard n+1 fan system	55 – 65 dBA depending on type
Degree of protection	IP42/UL Type 1
Paint	Light gray, RAL 7035 structure
Efficiency	Up to 93% depending on type Up to 99% in ECO Mode

* Installation manual requirements need to be considered

Dimensions	
25/37.5/50 kVA UPS (H x W x D)	2,100 mm x 600 mm x 800 mm (cable bottom entry) 2,100 mm x 1,000 mm x 800 mm (cable top entry with top entry cabinet ordered separately)
75/100 kVA UPS (H x W x D)	2,100 mm x 1,200 mm x 800 mm
Standards	
Safety	UL 1778 5th edition CSA C22.2 N0. 107.3
EMC/EMI/RFI	FCC 15B class A
Markings	UL, cUL
Transportation	ISTA 2B
Performance	UL 1778

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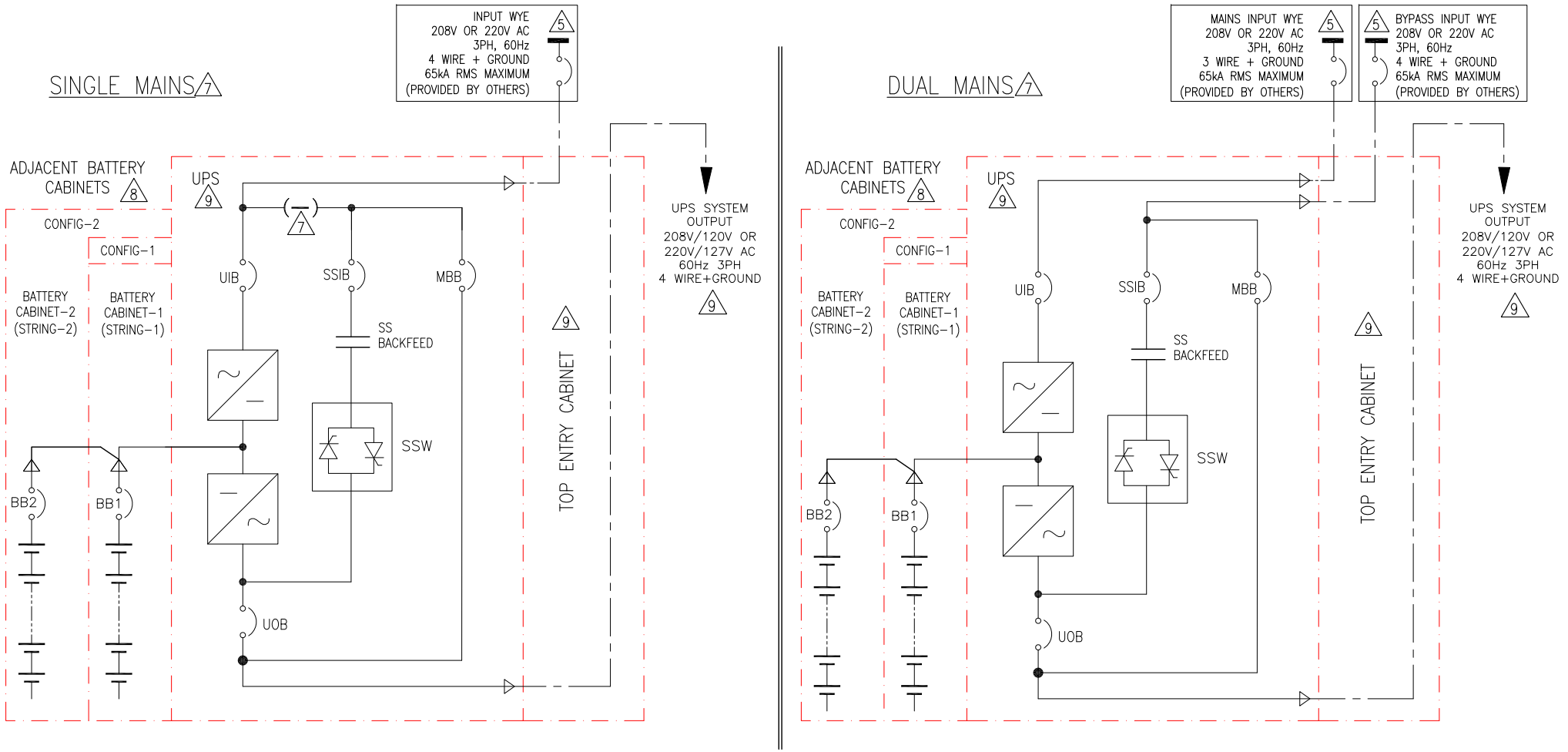
Life Is On Schneider Electric

TOP ENTRY WITH ADJACENT BATTERY CABINETS



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. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT, PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
4. MAXIMUM SHORT CIRCUIT CURRENT IS 65kA.

△5. SINGLE MAINS: INPUT TO BE 208V OR 220V AC 3PH WYE 4 WIRE+GROUND, EITHER SOLIDLY OR HIGH RESISTANCE GROUNDED, (CONTACT Schneider Electric IF OTHER).
DUAL MAINS: MAINS INPUT TO BE 208V OR 220V AC 3PH WYE 3 WIRE+GROUND,
BYPASS INPUT TO BE 208V OR 220V AC 3PH WYE 4 WIRE+GROUND, EITHER SOLIDLY OR HIGH RESISTANCE GROUNDED, (CONTACT Schneider Electric IF OTHER).

6. CABLE LUGS ARE NOT PROVIDED.

△7. DUAL MAINS CONFIGURATION IS A DEFAULT. FOR SINGLE MAINS CONFIGURATION USE SINGLE MAINS KIT (OM-99058) SUPPLIED WITH THE UPS. REFER TO INSTALLATION MANUAL.

△8. TWO BATTERY CABINETS SHOWN, MAXIMUM OF 3 BATTERY CABINETS CAN BE BAYED WITH UPS. FOR RUNTIME DETAILS REFER TO INSTALLATION MANUAL OR CONTACT SCHNEIDER ELECTRIC.

△9. FOR TECHNICAL SPECIFICATION, SKU NUMBERS ETC., REFER TO SHEET-7.

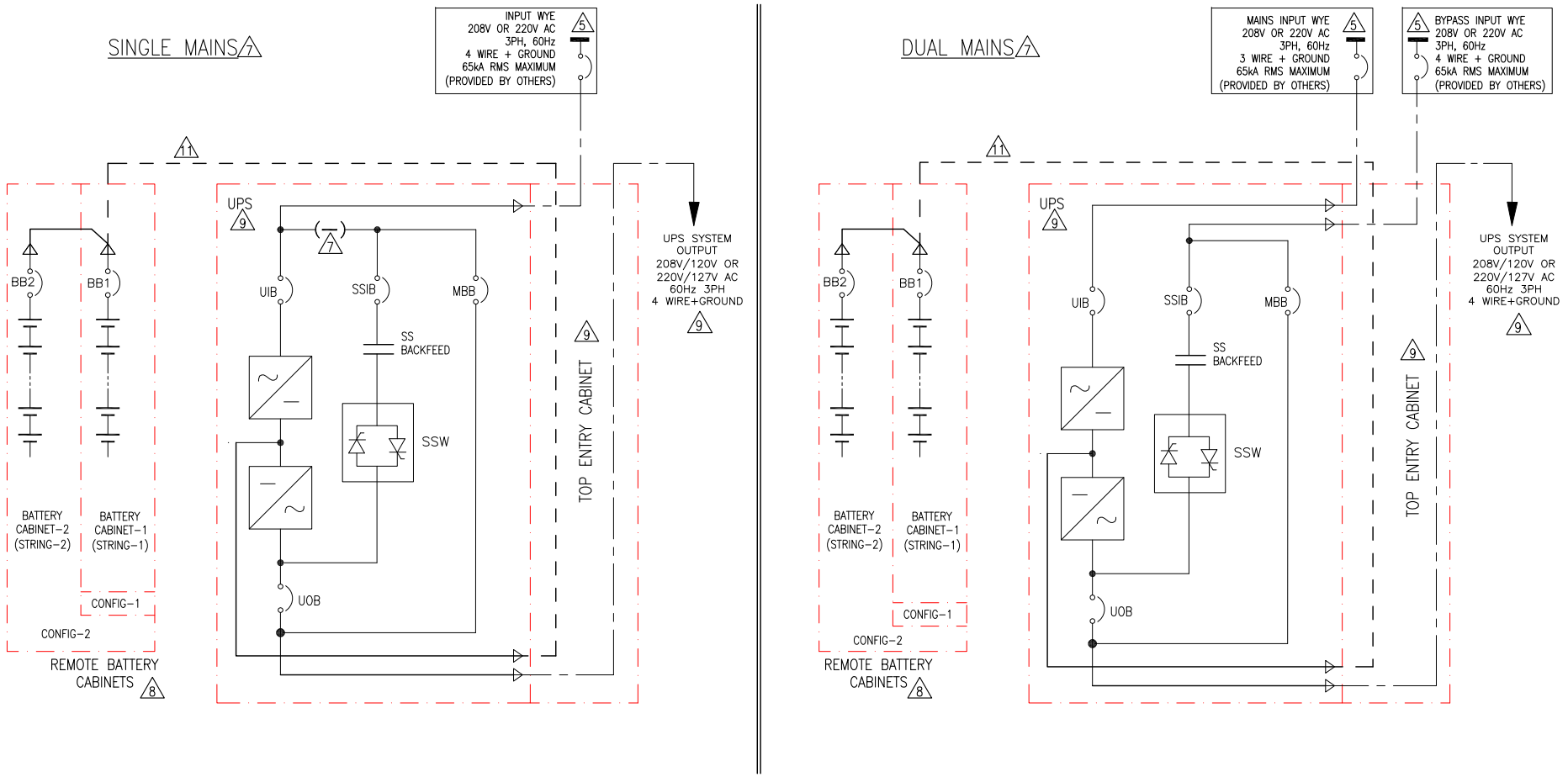
10. Schneider Electric RECOMMENDS TEMPERATURE RATING OF CONDUCTORS AT 90°C(194°F), REFERENCE TABLE 310.15(B)(16) OF NEC 75°C COLUMN, USE STANDARD COPPER CONDUCTORS (75°C(167°F) CABLE TERMINAL CONNECTORS ASSUMED).

LEGEND:
— — — AC CABLE (PROVIDED BY OTHERS)

Schneider Electric

TITLE: GUTOR PXC Input: 208V / 220V AC 3PH SINGLE/DUAL MAINS Output: 208V/220V AC 3PH 25/37.5/50 kW 1 MODULE UPS TOP ENTRY W/ ADJ. BATT CABINETS SYSTEM ONE LINE DIAGRAM		DWG NO: GUPXC25K50FTBBC1-SD	REV. 1
PROJECT: DRAWINGS	SHEET 3 OF 7	DRAWN BY: BALAMURUGAN	11-JAN-18
		ENGINEER: W WATKINS/A SINGH	12-JAN-18
		APPROVED BY: I K / N B	12-JAN-18
			ANGLE PROJECTION N.A

TOP ENTRY WITH REMOTE BATTERY CABINETS



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. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT, PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
4. MAXIMUM SHORT CIRCUIT CURRENT IS 65kA.

△5. SINGLE MAINS: INPUT TO BE 208V OR 220V AC 3PH WYE 4 WIRE+GROUND, EITHER SOLIDLY OR HIGH RESISTANCE GROUNDED, (CONTACT Schneider Electric IF OTHER).
DUAL MAINS: MAINS INPUT TO BE 208V OR 220V AC 3PH WYE 3 WIRE+GROUND,
BYPASS INPUT TO BE 208V OR 220V AC 3PH WYE 4 WIRE+GROUND, EITHER SOLIDLY OR HIGH RESISTANCE GROUNDED, (CONTACT Schneider Electric IF OTHER).

6. CABLE LUGS ARE NOT PROVIDED.

△7. DUAL MAINS CONFIGURATION IS A DEFAULT. FOR SINGLE MAINS CONFIGURATION USE SINGLE MAINS KIT (OM-99058) SUPPLIED WITH THE UPS. REFER TO INSTALLATION MANUAL.

△8. TWO BATTERY CABINETS SHOWN, MAXIMUM OF 3 BATTERY CABINETS CAN BE BAYED. FOR RUNTIME DETAILS REFER TO INSTALLATION MANUAL OR CONTACT SCHNEIDER ELECTRIC.

△9. FOR TECHNICAL SPECIFICATION, SKU NUMBERS ETC., REFER TO SHEET-7.

10. Schneider Electric RECOMMENDS TEMPERATURE RATING OF CONDUCTORS AT 90°C(194°F), REFERENCE TABLE 310.15(B)(16) OF NEC 75°C COLUMN, USE STANDARD COPPER CONDUCTORS (75°C(167°F) CABLE TERMINAL CONNECTORS ASSUMED).

△11. Schneider Electric RECOMMENDS ALL CABLES SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 210-19 OF NEC (FEEDER VOLTAGE DROP OF 3%). CONSULT YOUR LICENSED ENGINEER OF RECORDS FOR SITE-SPECIFIC "10MS/LR TIME CONSTANT CALCULATIONS FOR OVER-CURRENT PROTECTION AND BATTERY RUNTIMES.

LEGEND:
— — — AC CABLE (PROVIDED BY OTHERS)
— — — 500VDC CABLE (PROVIDED BY OTHERS)

Schneider Electric

TITLE:	GUTOR PXC Input: 208V / 220V AC 3PH SINGLE/DUAL MAINS Output: 208V/220V AC 3PH 25/37.5/50 kW 1 MODULE UPS TOP ENTRY W/REMOTE BATT. CABINETS SYSTEM ONE LINE DIAGRAM	DWG NO:	GUPXC25K50FTBBC1-SD
PROJECT:	DRAWINGS	REV.	1
SHEET	4 OF 7	DRAWN BY:	BALAMURUGAN 11-JAN-18
		ENGINEER:	W WATKINS/A SINGH 12-JAN-18
		APPROVED BY:	I K / N B 12-JAN-18
			ANGLE PROJECTION N.A

GUTOR PXC 1 MODULE SITE PLANNING DATA

UPS RATING (kVA/kW)	UPS SKU NUMBER	QTY. OF 12.5kW POWER MODULES	INPUT/ OUTPUT VOLTAGE (V)	INPUT				BYPASS AND OUTPUT			BATTERY			
				NOMINAL CURRENT (A)	MAXIMUM CURRENT (A)	UIB & RECOMMENDED EXTERNAL UPSTREAM OCPD (80% RATED)		NOMINAL CURRENT (A)	SSIB, MBB, UOB & RECOMMENDED EXTERNAL OUPUT OCPD (80% RATED)		FULL LOAD CURRENT @NOMINAL VOLTAGE (384V DC) (A)	FULL LOAD CURRENT @EOD VOLTAGE (321V DC) (A)	BB RATING	BATTERY BREAKER PART NUMBER (MAKE: SCHNEIDER ELECTRIC)
						TRIP / FRAME RATING	PART NUMBER (MAKE: SCHNEIDER ELECTRIC)		TRIP / FRAME RATING	PART NUMBER (MAKE: SCHNEIDER ELECTRIC)				
25	GUPXC25FS	2	208 / 208	75	91	125AT / 150AF	HGL36125	69	90AT/ 150AF	HGF36090	69	83	150AT/ 250AF	JLL37150D81
			220 / 220	71	86			66						
37.5	GUPXC37FS	3	208 / 208	112	137	175AT / 250AF	JGL36175	104	150AT/ 250AF	JGL36150	104	124	150AT/ 250AF	JLL37150D81
			220 / 220	106	129			98						
50	GUPXC50FS	4	208 / 208	149	182	225AT / 250AF	JGL36225	139	175AT/ 250AF	JGL36175	138	165	200AT/ 250AF	JLL37200D82
			220 / 220	141	172			131						

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. FOR BATTERY RUNTIME DATA REFER TO INSTALLATION MANUAL.
4. NOMINAL INPUT CURRENT BASED ON NOMINAL MAINS VOLTAGE + BATTERIES FULLY CHARGED AT RATED LOAD.
5. MAXIMUM INPUT CURRENT BASED ON FULL BATTERY RECHARGE + NOMINAL MAINS VOLTAGE AT RATED LOAD.
6. SUGGESTED INPUT OCPD BASED ON CONTINUOUS LOAD (OCPD = OVER CURRENT PROTECTION DEVICE).
7. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLED CONDITIONS AND SHORT CIRCUIT CURRENT /SELECTIVE CO-ORDINATION/ ARC-FLASH ANALYSIS.
8. SKU NUMBER FOR TOP ENTRY CABINET: GUPXCAT
9. SKU NUMBERS FOR BATTERY BREAKER BOX: GUPXCD37B FOR 25kVA UPS & 37.5kVA UPS, GUPXCD50B FOR 50kVA UPS
10. POWER AND CONTROL WIRING SHOULD BE SEGREGATED.

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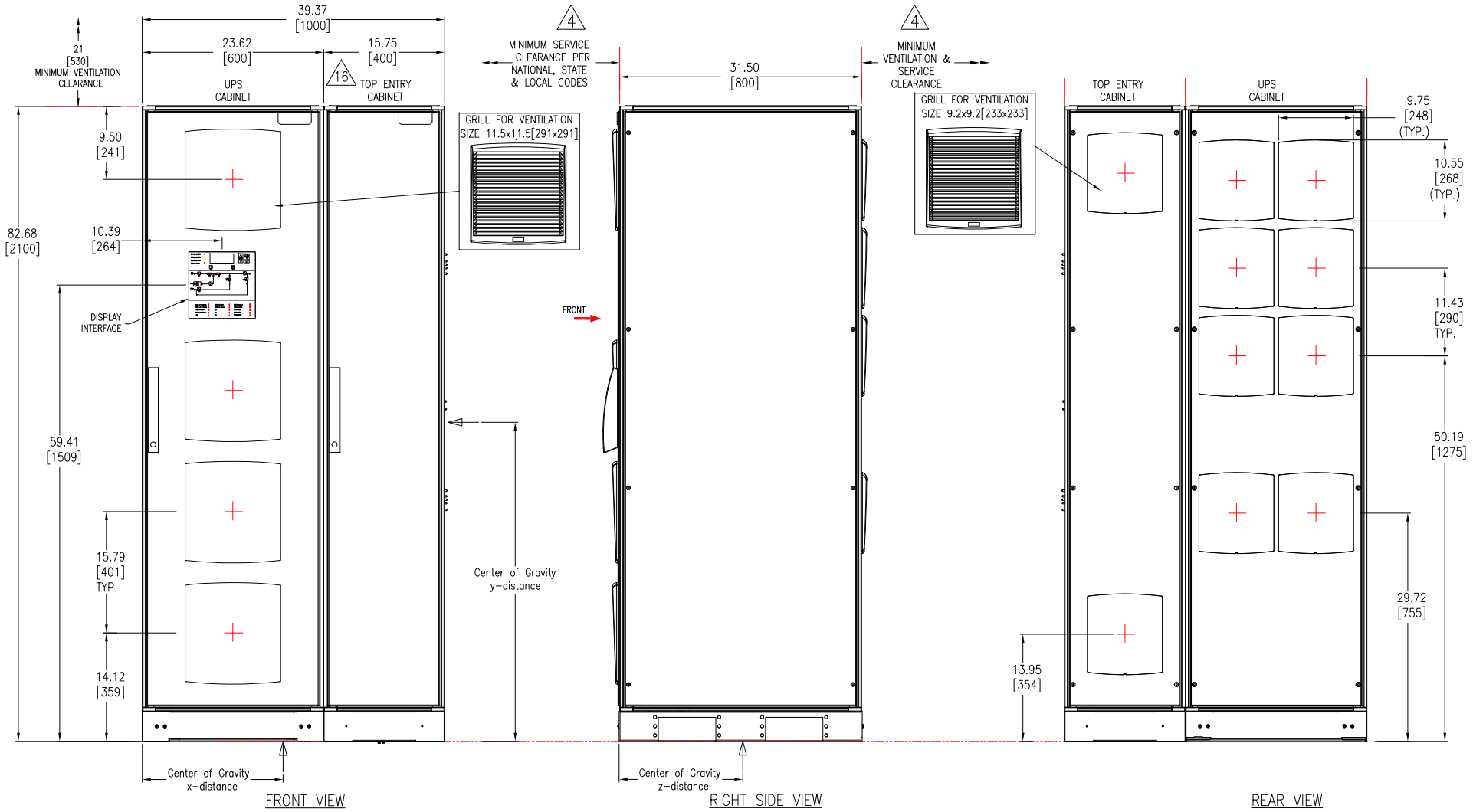
TITLE: GUTOR PXC
Input: 208V / 220V AC 3PH SINGLE/DUAL MAINS
Output: 208V/220V AC 3PH 25/37.5/50 kW
1 MODULE UPS WITH BATTERY SOLUTION
SITE PLANNING DATA

PROJECT: DRAWINGS | SHEET 7 OF 7

DWG NO: GUPXC25K50FTBBC1-SD | REV. 0

DRAWN BY:	BALAMURUGAN	13-DEC-16
ENGINEER:	W WATKINS/A SINGH	14-DEC-17
APPROVED BY:	I K / N B	14-DEC-17

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].
   ALL DIMENSIONS ARE TO OUTSIDE EDGE OF THE CABINET, EXCLUDING DOOR LOCK AND ALL HARDWARE.
△4. FRONT ACCESS REQUIRED FOR SERVICE. MINIMUM REQUIRED FRONT CLEARANCE IS 31.5 [800].
   REAR CLEARANCE 4.0 [100] REQUIRED FOR VENTILATION. NO SIDE CLEARANCE REQUIRED.
5. RECOMMENDED CLEARANCE IS SUBJECT TO NATIONAL AND LOCAL CODES.
6. INPUT POWER CABLE ENTRY IS THROUGH TOP ENTRY CABINET ONLY.
7. FOR WEIGHT AND CENTER OF GRAVITY OF THE UNIT REFER TO THE TABLE-1.
8. OPERATING TEMPERATURE: 32°F TO 104°F [0°C TO 40°C].
9. DOOR SWING-ROTATES FREELY 180°.
10. COLOR: GRAY RAL7035.
11. A TORX (T-30) TYPE SCREW DRIVER IS REQUIRED TO REMOVE PANELS.
12. POWER CABLES SHALL BE IN SEPARATE CONDUITS FROM CONTROL AND COMMUNICATION CABLES.
13. ALL CABLE CONNECTIONS ARE BASED ON CUSTOMER SUPPLIED COPPER WIRE RATED 167°F(75°C).
14. FOR NEMA 12 CONFIGURATIONS, REAR FILTERS REQUIRED.
    TO INSTALL FILTER KIT, GUPXCK50F, OPEN EACH REAR VENTILATION GRILL TO ADD THE FILTER
    (ALL FILTERS FOR REAR OF THE UPS ARE INCLUDED IN THE KIT).
15. PROPER GASKETING FOR NEMA 12 APPLICATION REQUIRED,
    NOT PROVIDED BY SCHNEIDER ELECTRIC.
△16. UPS AND TOP ENTRY CABINET SHIPPED SEPARATELY.

TABLE-1

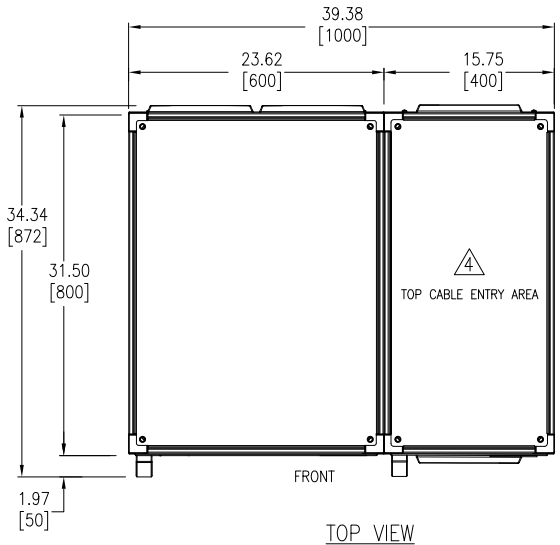
WEIGHT AND CENTER OF GRAVITY DETAILS					
UPS Rating (kVA/kW)	SKU NUMBER	Weight lb[kg]	X-Distance inch[mm]	Y-Distance inch[mm]	Z-Distance inch[mm]
25	GUPXC25F+GUPXCAT	925 [420]	16 [406]	40 [1016]	15 [381]
37.5	GUPXC37F+GUPXCAT	1100 [500]	16 [406]	45 [1143]	15 [381]
50	GUPXC50F+GUPXCAT	1200 [545]	16 [406]	45 [1143]	15 [381]

Schneider Electric

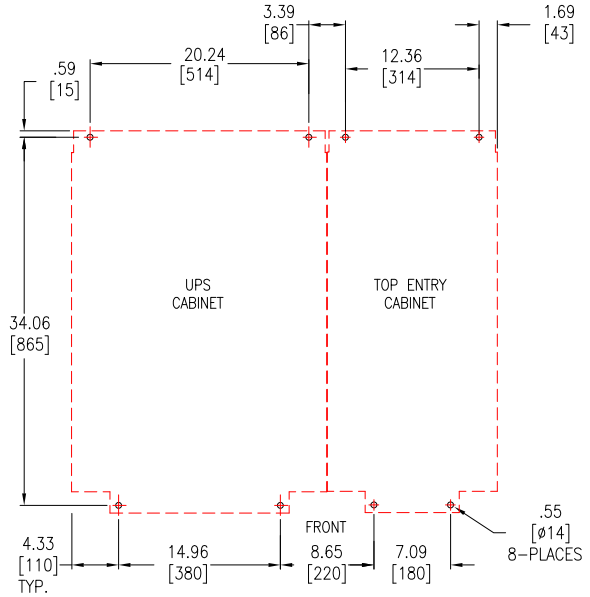
TITLE: GUTOR PXC
UPS 25kW, 37.5kW & 50kW With TOP ENTRY CABINET
Input: 208/220V, 3PH, 60Hz, Single/Dual Mains
Output: 208/220V, 3PH, 60Hz
GENERAL ARRANGEMENT

PROJECT: DRAWINGS | SHEET 1 OF 7

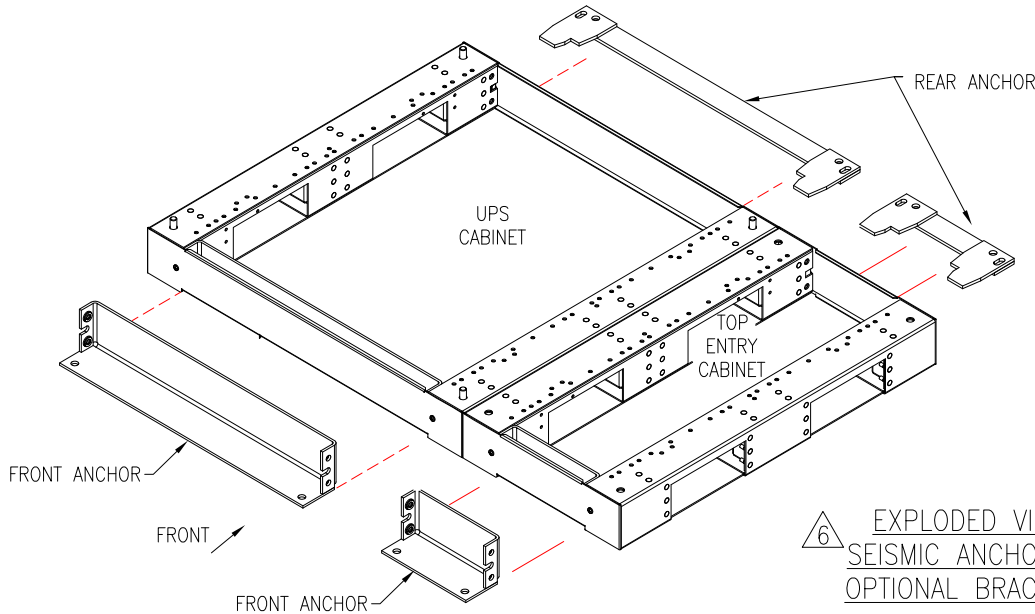
DWG NO:	GUPXC25K50F+GUPXCAT		REV. 2
DRAWN BY:	K.NAGENDRA	16-JAN-18	THIRD ANGLE PROJECTION
ENGINEER:	I KENNEDY	16-JAN-18	
APPROVED BY:	W WATKINS	16-JAN-18	



TOP VIEW



6 SEISMIC ANCHORING DETAILS BASE TOP VIEW



6 EXPLODED VIEW SEISMIC ANCHORING OPTIONAL BRACKETS

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. DRILL/PUNCH HOLES IN PLATE AS PER THE REQUIREMENT. REMOVE PLATE FROM CABINET BEFORE DRILLING/PUNCHING.
5. FLOOR ANCHORING BOLTS NOT PROVIDED.
△ 6. SEISMIC ANCHORING WITH OPTIONAL BRACKET KITS GUPXCK50S AND GUPXCK40S.

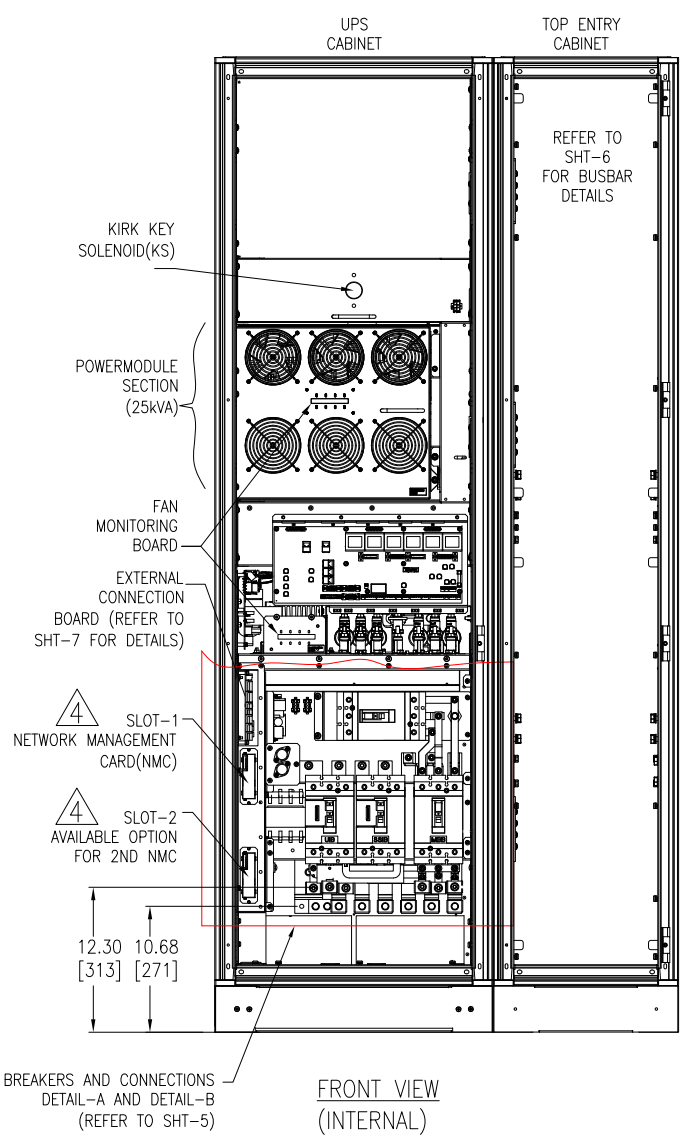
Schneider Electric

TITLE:	GUTOR PXC UPS 25kW, 37.5kW & 50kW With TOP ENTRY CABINET Input: 208/220V, 3PH, 60Hz, Single/Dual Mains Output: 208/220V, 3PH, 60Hz TOP & BOTTOM VIEW, ANCHORING
PROJECT:	DRAWINGS
SHEET	2 OF 7
DWG NO:	GUPXC25K50F+GUPXCAT
REV.	2
DRAWN BY:	K.NAGENDRA 16-JAN-18
ENGINEER:	I KENNEDY 16-JAN-18
APPROVED BY:	W WATKINS 16-JAN-18
	THIRD ANGLE PROJECTION

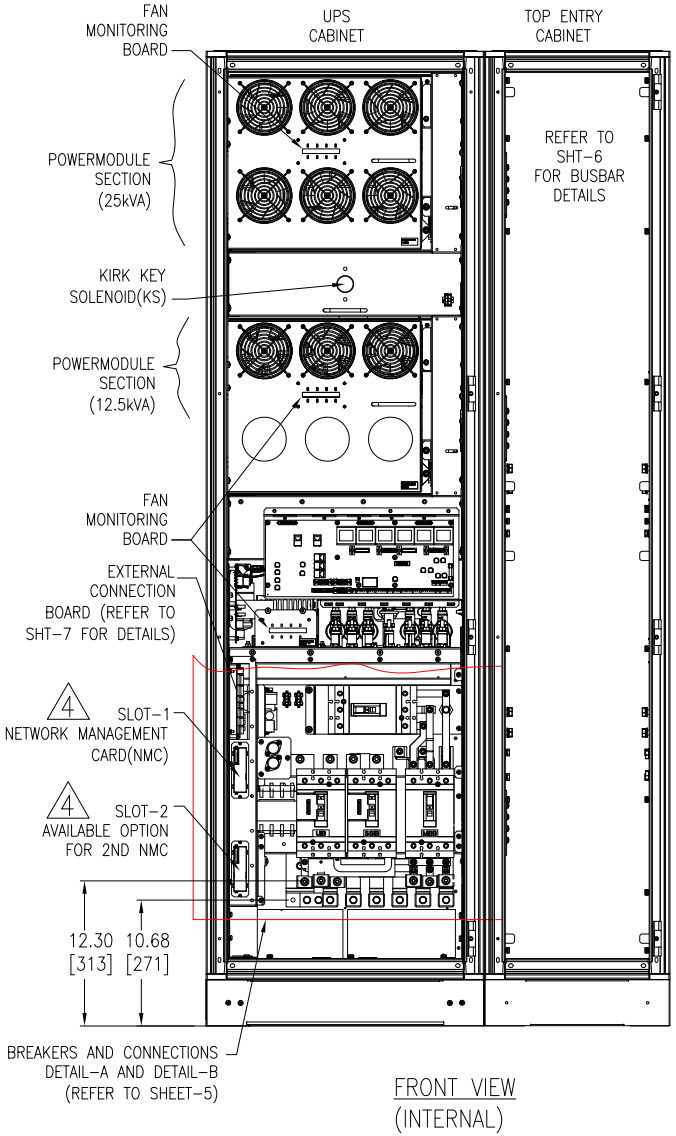
TYPICAL 25kW WITH TOP ENTRY CABINET CONFIGURATION

TYPICAL 37.5kW WITH TOP ENTRY CABINET CONFIGURATION

{ONLY FRONT VIEW SHOWN FOR CONVENIENCE. OTHER DETAILS REFER TO 50kW CONFIGURATION With Top entry Cabinet}



FRONT VIEW (INTERNAL)



FRONT VIEW (INTERNAL)

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. SMART SLOT-1 IS POPULATED WITH A NETWORK MANAGEMENT CARD (NMC) OM-9635CHGUTOR FROM THE FACTORY. THE SECOND SMART SLOT CAN BE POPULATED WITH ANOTHER NMC AP9635. CONFIGURE BY DOWNLOADING THE LATEST GUTOR PXC FIRMWARE ON THE SCHNEIDER ELECTRIC WEBSITE. FOR DETAILS, REFER TO THE INSTALLATION MANUAL.
5. STANDARD CONFIGURATION (FROM FACTORY) IS DUAL MAINS. KIT (OM-99058) IS PROVIDED TO CHANGE THE CONFIGURATION TO SINGLE MAINS. FOR DUAL TO SINGLE CONVERSION DETAILS, REFER TO THE INSTALLATION MANUAL.

25kW UPS BREAKER RATINGS

DEVICE	RATING	TYPE
UIB	125A,240V	3 POLE MCCB
SSIB/MBB/UOB	90A,240V	3 POLE MCCB

37.5kW UPS BREAKER RATINGS

DEVICE	RATING	TYPE
UIB	175A,240V	3 POLE MCCB
SSIB/MBB/UOB	150A,240V	3 POLE MCCB

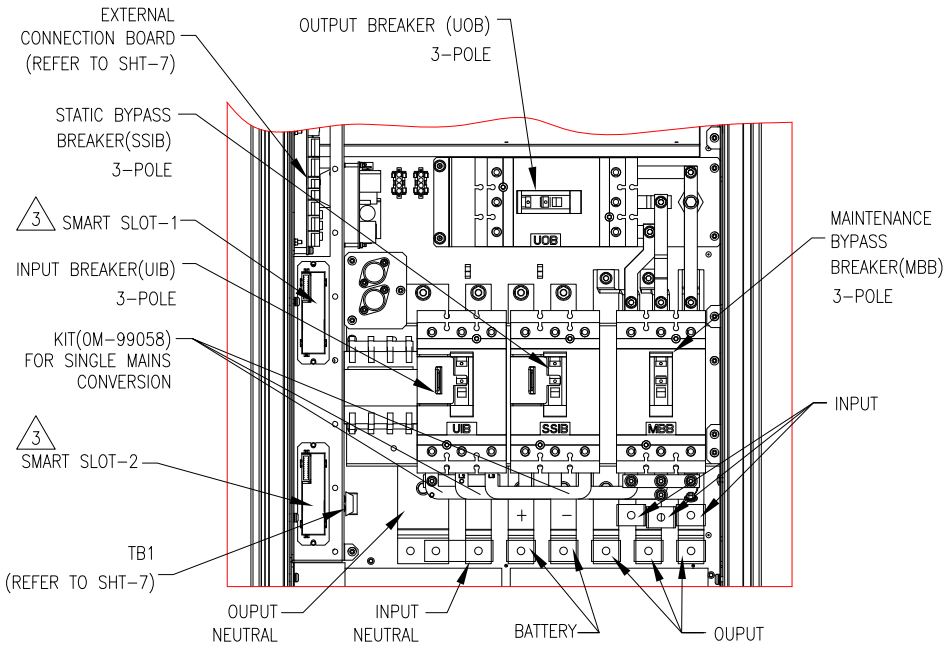
Schneider Electric

TITLE: GUTOR PXC
UPS 25kW, 37.5kW & 50kW With TOP ENTRY CABINET
Input: 208/220V, 3PH, 60Hz, Single/Dual Mains
Output: 208/220V, 3PH, 60Hz
INTERNAL DETAILS-2

PROJECT: DRAWINGS | SHEET 4 OF 7

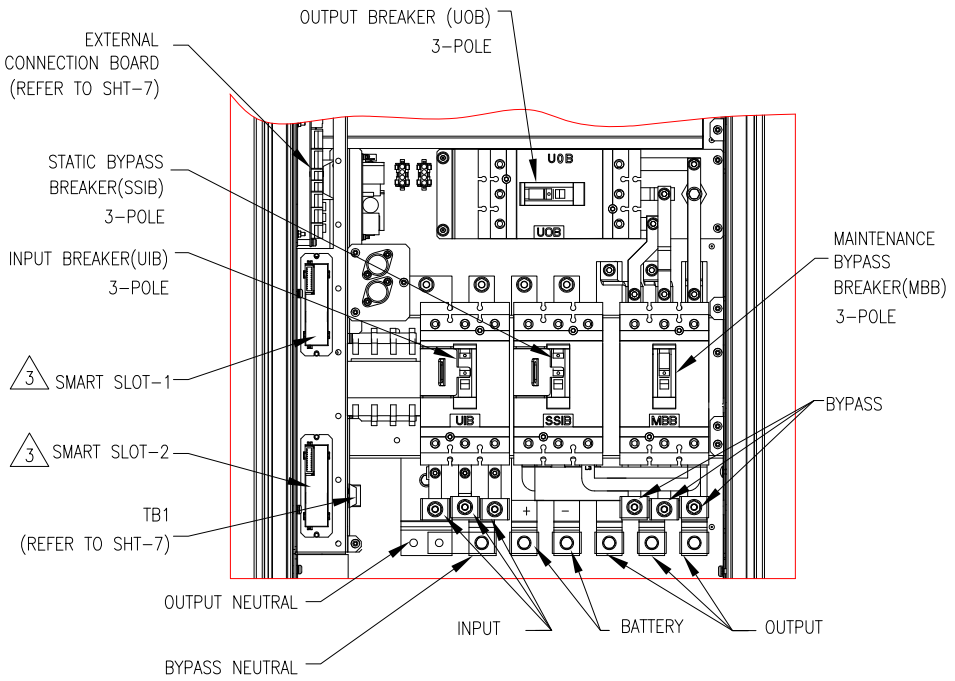
DWG NO: GUPXC25K50F+GUPXCAT		REV. 2
DRAWN BY: K.NAGENDRA	16-JAN-18	THIRD ANGLE PROJECTION
ENGINEER: I KENNEDY	16-JAN-18	
APPROVED BY: W WATKINS	16-JAN-18	

SINGLE MAINS CONNECTION DETAILS △4 △5

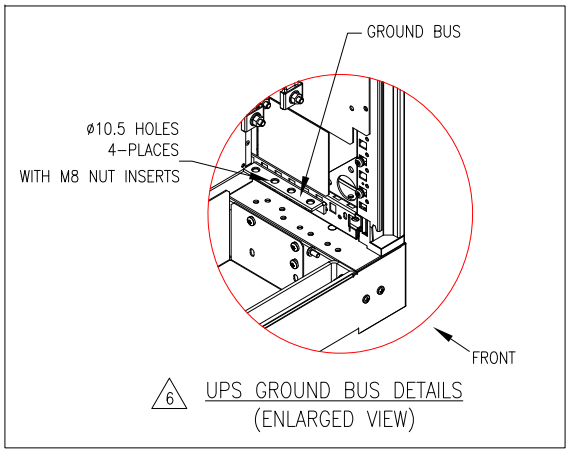


DETAIL-A
(ENLARGED VIEW)

DUAL MAINS CONNECTION DETAILS △4 △5



DETAIL-B
(ENLARGED VIEW)



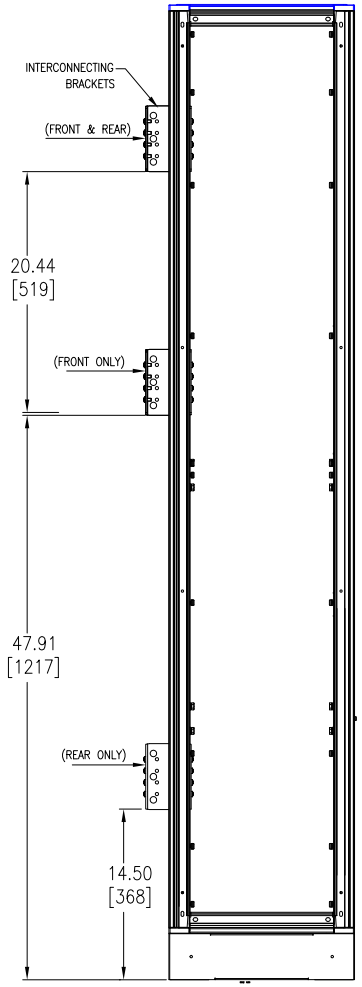
△6 UPS GROUND BUS DETAILS
(ENLARGED VIEW)

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. SMART SLOT-1 IS POPULATED WITH A NETWORK MANAGEMENT CARD (NMC) 0M-9635CHGUTOR FROM THE FACTORY. THE SECOND SMART SLOT CAN BE POPULATED WITH ANOTHER NMC AP9635. CONFIGURE BY DOWNLOADING THE LATEST GUTOR PXC FIRMWARE ON THE SCHNEIDER ELECTRIC WEBSITE. FOR DETAILS, REFER TO THE INSTALLATION MANUAL.
△4. STANDARD CONFIGURATION (FROM FACTORY) IS DUAL MAINS. KIT (0M-99058) IS PROVIDED TO CHANGE THE CONFIGURATION TO SINGLE MAINS. FOR DUAL TO SINGLE CONVERSION DETAILS, REFER TO THE INSTALLATION MANUAL.
△5. ALL THE CABLES FROM TOP ENTRY CABINET BUSBARS ARE TO BE CONNECTED TO CORRESPONDING BUSBARS INSIDE THE UPS CABINET, EXECPT FOR SINGLE MAINS WHERE BYPASS CABLES ARE TO BE REMOVED.
△6. TOP ENTRY GROUND BUSBAR CABLES ARE TO BE CONNECTED TO CORRESPONDING GROUND BUSBARS INSIDE THE UPS CABINET.

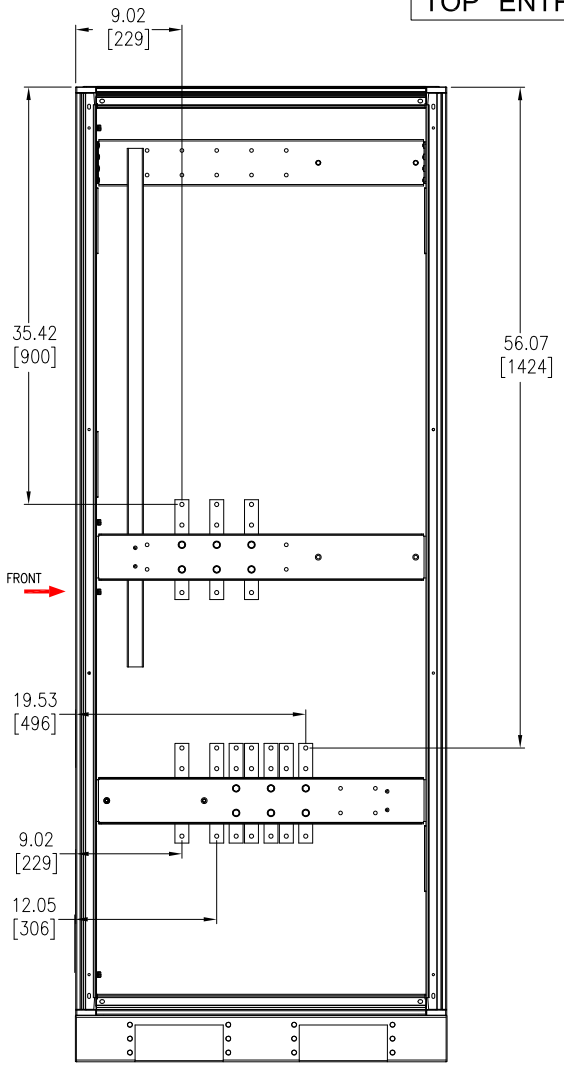
Schneider Electric

TITLE:	GUTOR PXC UPS 25kW, 37.5kW & 50kW With TOP ENTRY CABINET Input: 208/220V, 3PH, 60Hz, Single/Dual Mains Output: 208/220V, 3PH, 60Hz INTERNAL DETAILS-3
PROJECT:	DRAWINGS
SHEET	5 OF 7
DWG NO:	GUPXC25K50F+GUPXCAT
REV.	2
DRAWN BY:	K.NAGENDRA 16-JAN-18
ENGINEER:	I KENNEDY 16-JAN-18
APPROVED BY:	W WATKINS 16-JAN-18
	THIRD ANGLE PROJECTION

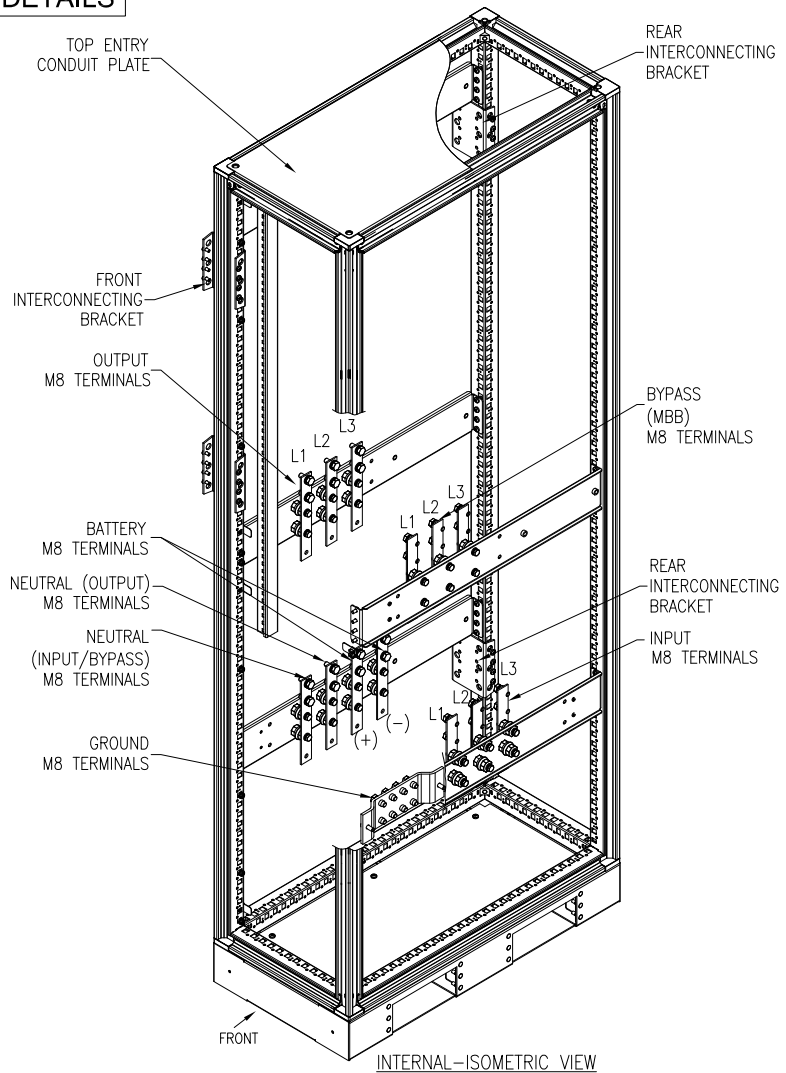
TOP ENTRY CABINET DETAILS



INTERNAL FRONT VIEW



INTERNAL RIGHT SIDE VIEW



INTERNAL–ISOMETRIC VIEW
IINPUT/OUTPUT DETAILS

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. FOR THE TOP ENTRY CABINET CABLE CONNECTIONS, REFER TO CONNECTION DETAILS TO THE UPS ON SHEET–5.

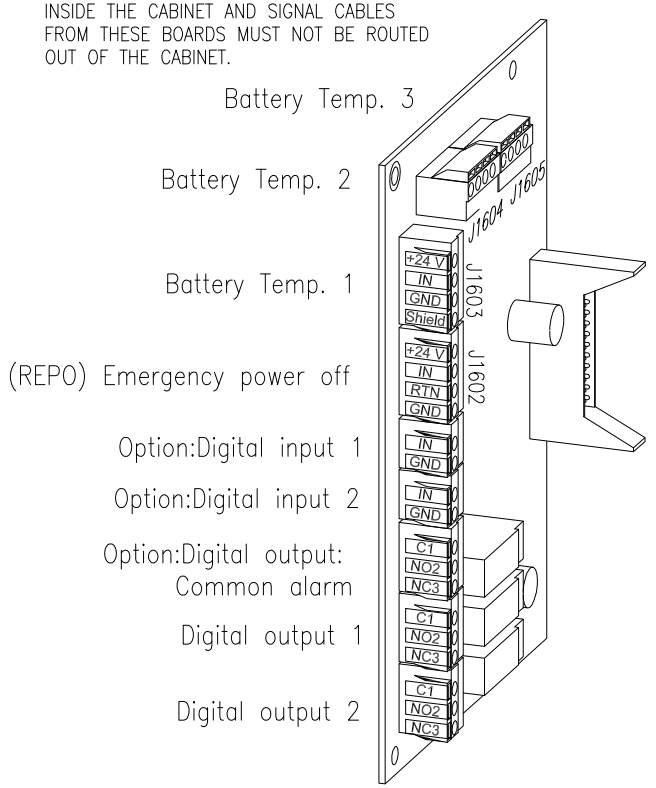
INSTALLATION PROCEDURE
1. REMOVE UPS RIGHT SIDE PANEL, THEN LINE–UP CABINETS WITH TOP ENTRY CABINET ON THE RIGHT.
2. REMOVE REAR PANEL FROM EACH OF THE CABINETS.
3. REMOVE DEAD FRONT PANELS FROM TOP ENTRY CABINET.
4. INSTALL CABINET INTERCONNECT BRACKETS, TWO IN FRONT AND TWO IN REAR WHERE SHOWN, USE C–CLAMPS TO HOLD CABINETS TOGETHER. THIS WILL ENABLE THE BRACKETS TO BE INSTALLED MORE EASILY. USE FOUR SCREWS ON EACH SIDE OF THE BRACKETS TO SECURE TO FRAME.
5. RE–INSTALL REAR PANELS. INSTALL SIDE PANEL ON TOP ENTRY CABINET.
6. REMOVE TOP ENTRY CONDUIT PANEL FOR KNOCKOUTS. INSTALL KNOCKOUTS AND RE–INSTALL PANEL.
7. OPTION: CONVERT THE UNIT FROM DUAL TO SINGLE INPUT. REFER TO DETAIL–A FOR SINGLE INPUT TO CONNECT THE CABLES TO THE UPS CABINET.
8. REFER TO DETAIL–B FOR DUAL INPUT TO CONNECT THE CABLES TO THE UPS CABINET.
9. RE–INSTALL DEAD FRONTS.

Schneider Electric

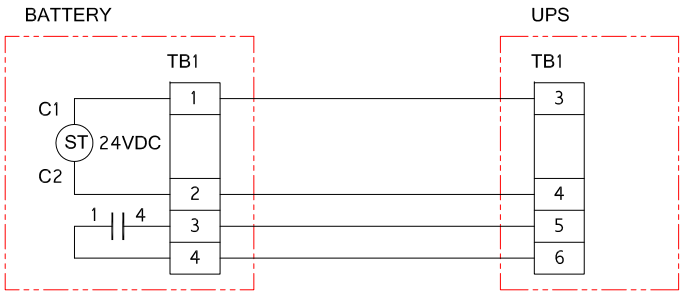
TITLE:	GUTOR PXC UPS 25kW, 37.5kW & 50kW With TOP ENTRY CABINET Input: 208/220V, 3PH, 60Hz, Single/Dual Mains Output: 208/220V, 3PH, 60Hz INTERNAL DETAILS–3
PROJECT: DRAWINGS	SHEET 6 OF 7
DWG NO:	GUPXC25K50F+GUPXCAT
REV.	2
DRAWN BY:	K.NAGENDRA 16–JAN–18
ENGINEER:	I KENNEDY 16–JAN–18
APPROVED BY:	W WATKINS 16–JAN–18
	THIRD ANGLE PROJECTION

EXTERNAL CONNECTION BOARD

THE DIGITAL INPUTS IN THE EXTERNAL CONNECTED BOARDS ARE DESIGNED FOR CONNECTION TO EQUIPMENT INSIDE THE CABINET AND SIGNAL CABLES FROM THESE BOARDS MUST NOT BE ROUTED OUT OF THE CABINET.

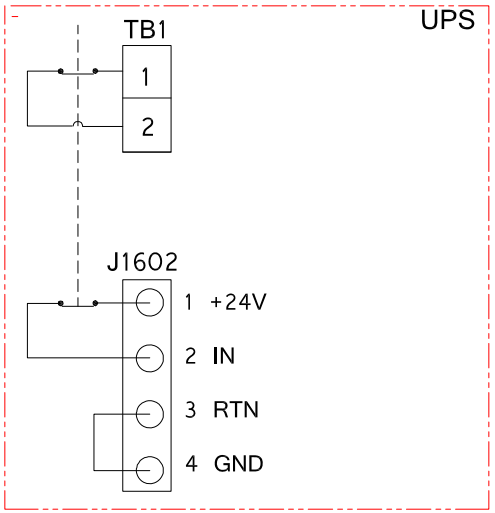


BATTERY BREAKER WIRING DETAILS △3

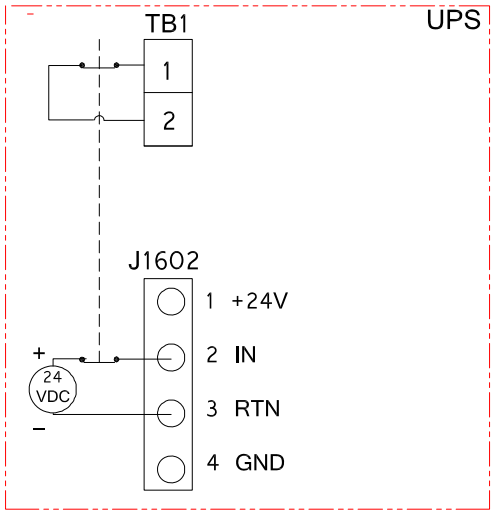


REPO AND SHUNT TRIP DETAILS

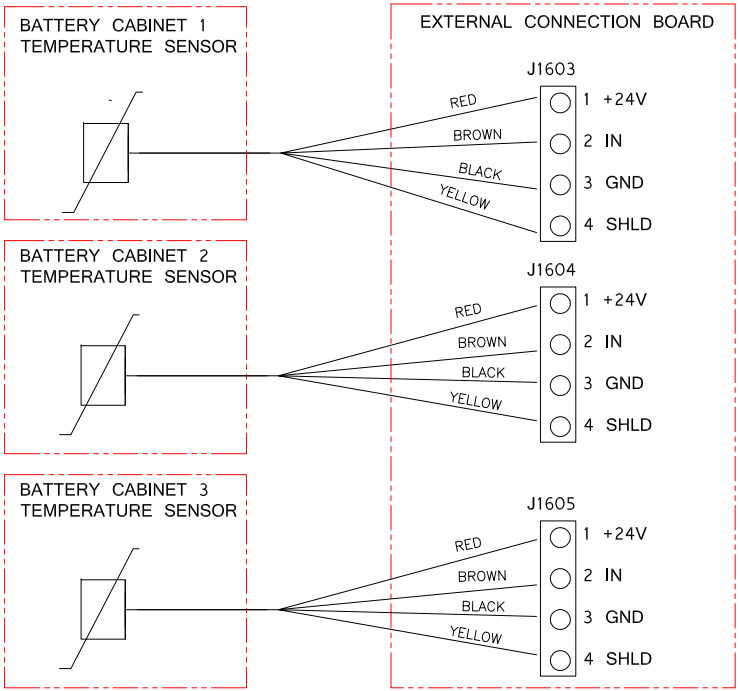
REPO WITH INTERNAL SUPPLY



REPO WITH EXTERNAL SUPPLY



CABLE CONNECTIONS FOR TEMPERATURE SENSORS IN BATTERY CABINETS



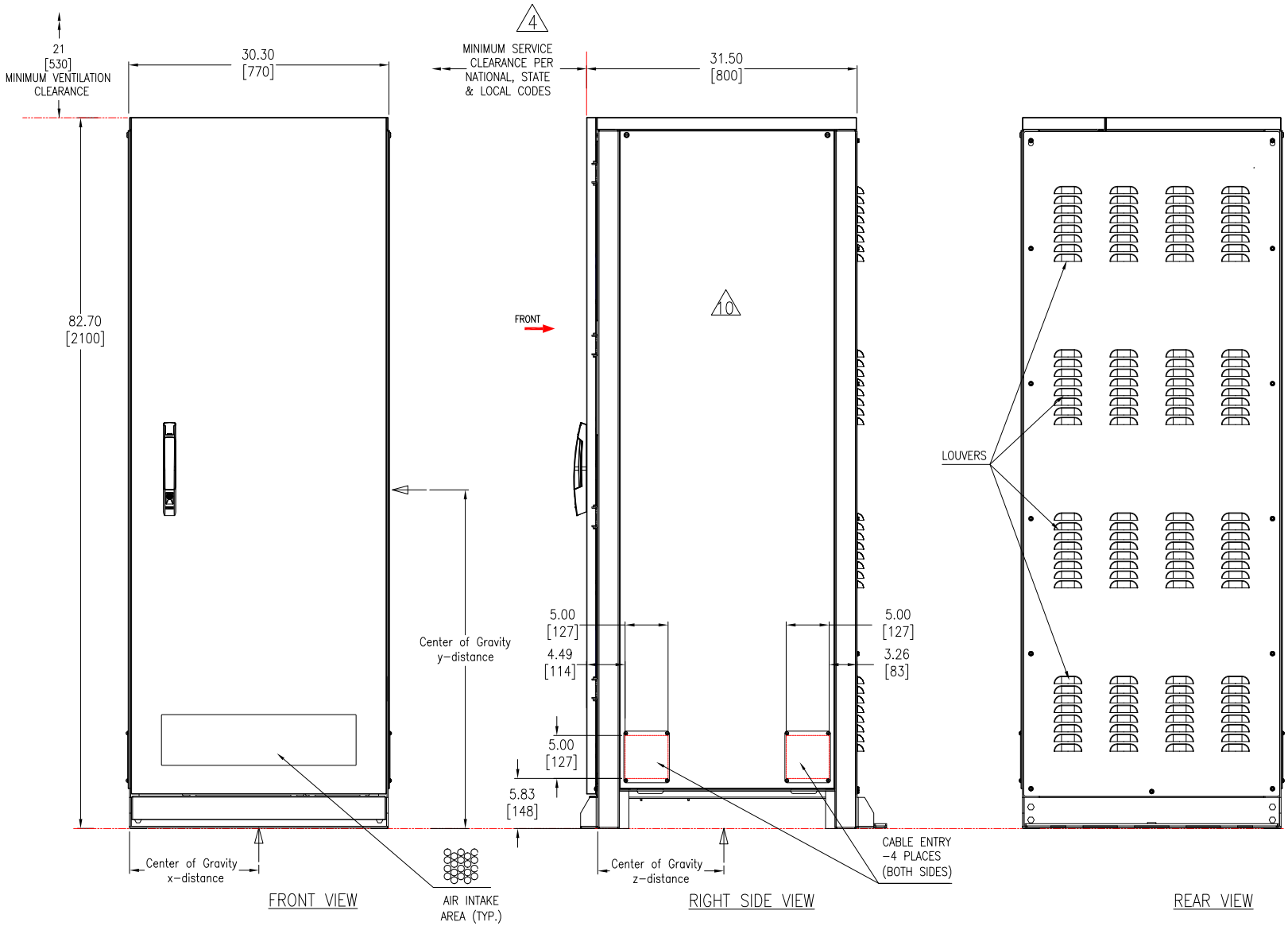
NOTES:

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. FOR MORE THAN ONE BATTERY CABINET, REFER TO THE BATTERY CABINET DRAWINGS GUPXCB-1 AND GUPXCB-2.

Schneider Electric

TITLE: GUTOR PXC UPS 25kW, 37.5kW & 50kW With TOP ENTRY CABINET Input: 208/220V, 3PH, 60Hz, Single/Dual Mains Output: 208/220V, 3PH, 60Hz EXTERNAL CONNECTIONS, REPO & SHUNT TRIP DETAILS		DWG NO: GUPXC25K50F+GUPXCAT	REV. 2
		DRAWN BY: K.NAGENDRA	16-JAN-18
		ENGINEER: I KENNEDY	16-JAN-18
PROJECT: DRAWINGS	SHEET 7 OF 7	APPROVED BY: W WATKINS	16-JAN-18

THIRD ANGLE PROJECTION



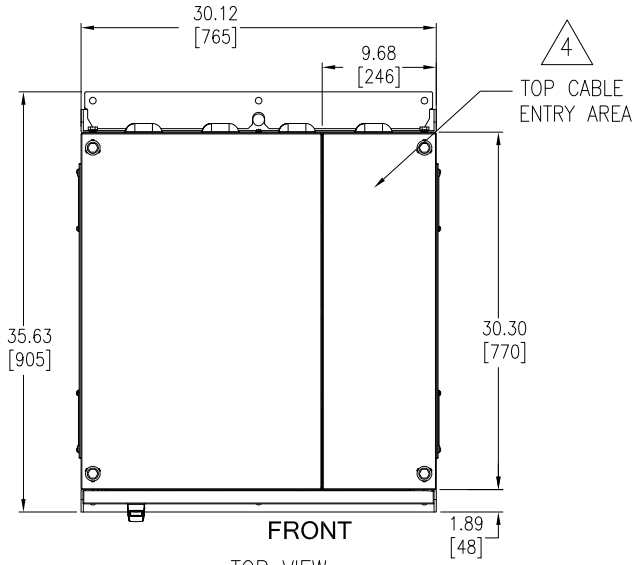
NOTES:

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. ONLY FRONT ACCESS REQUIRED FOR SERVICE. MINIMUM RECOMMENDED FRONT CLEARANCE IS 31.5[800].
5. CABLE ENTRY IS FROM TOP, BOTTOM, RIGHT OR LEFT SIDE OF THE UNIT.
6. WEIGHT OF THE UNIT REFER TO THE TABLE ON SHEET-5
7. OPERATING TEMPERATURE: 32°F TO 104°F [0°C TO 40°C]. RECOMMENDED TEMPERATURE AT 77°F[25°C].
8. DOOR OPENS 110°.
9. COLOR: GRAY RAL7035.
△10. ALL CABINETS SHIPPED WITH SIDE PANELS.

Schneider Electric

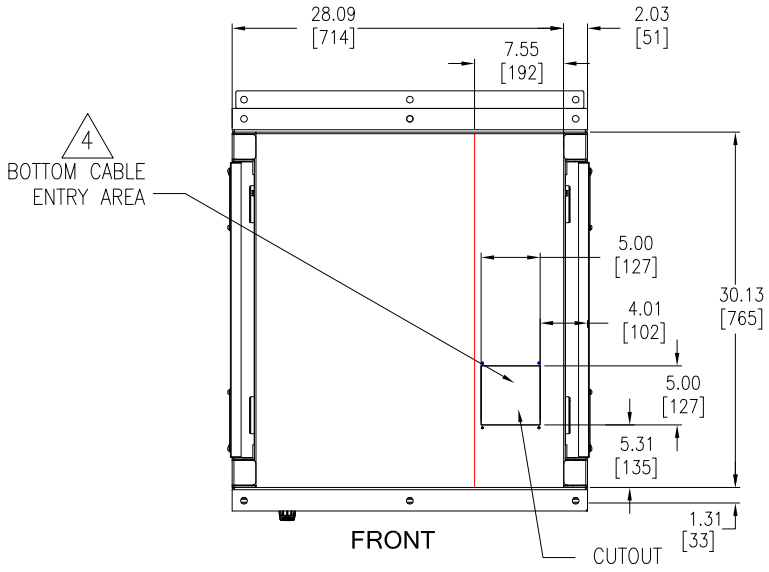
TITLE:	GUTOR PXC BATTERY CABINET 100-210 W/C Input: 450Vdc, 3PH, 60Hz Output: 450Vdc, 3PH, 60Hz GENERAL ARRANGEMENT	DWG NO:	GUPXCB-2
PROJECT: DRAWINGS	SHEET 1 OF 7	REV.	0
DRAWN BY:	K.NAGENDRA	14-FEB-17	THIRD ANGLE PROJECTION
ENGINEER:	IRENE KENNEDY	14-FEB-17	
APPROVED BY:	W.WATKINS	14-FEB-17	

TOP ENTRY CONDUIT LOCATION

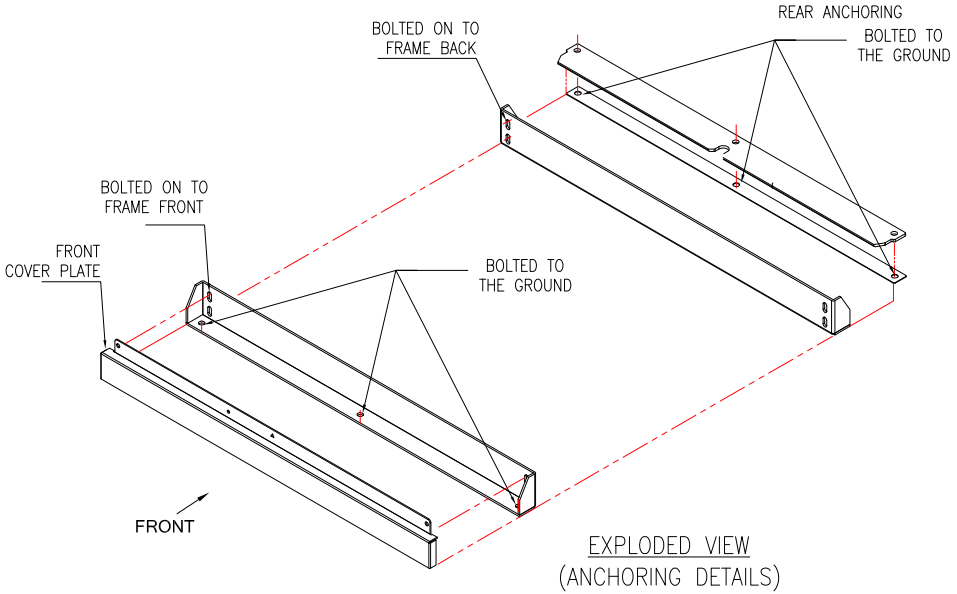


TOP VIEW

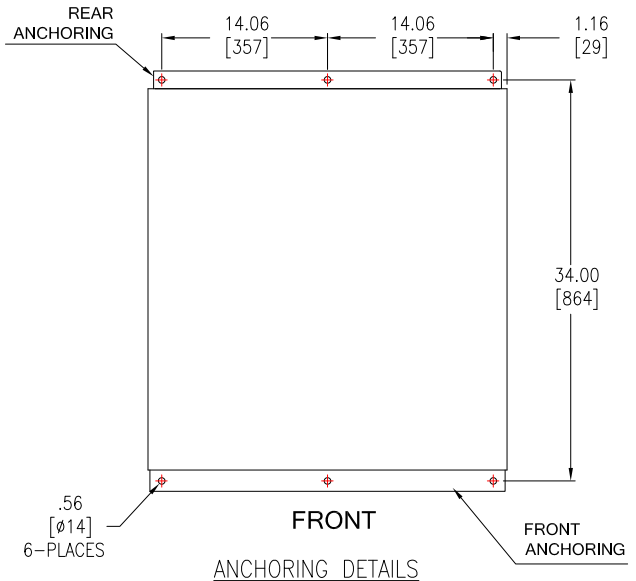
BOTTOM ENTRY CONDUIT LOCATION



BOTTOM VIEW
(BASE TOP VIEW)



EXPLODED VIEW
(ANCHORING DETAILS)



ANCHORING DETAILS
(BASE TOP VIEW)

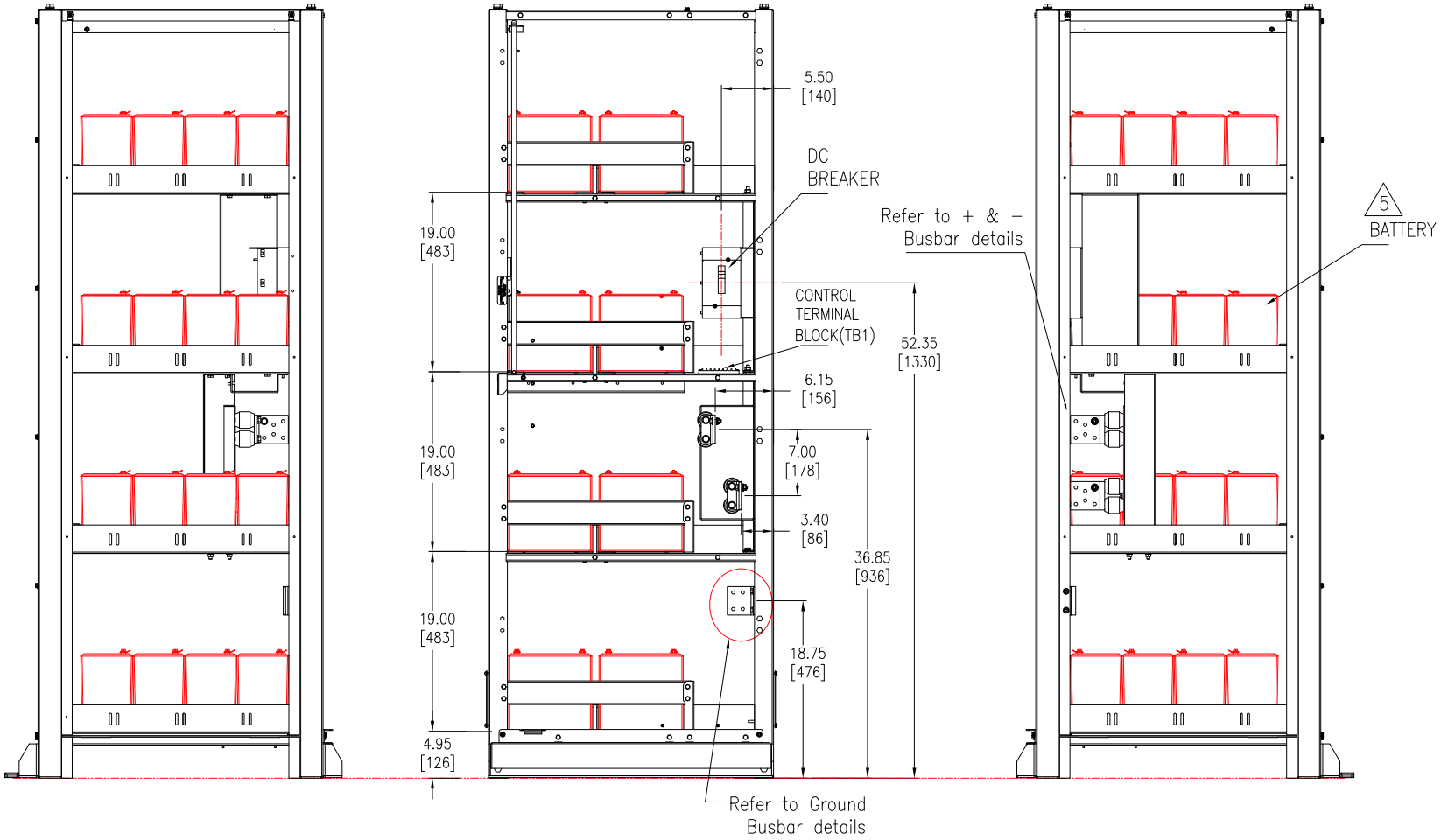
NOTES:

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. DRILL/PUNCH HOLES IN PLATE AS PER REQUIREMENT. REMOVE PLATE FROM CABINET BEFORE DRILLING/PUNCHING.

Schneider Electric

TITLE:	GUTOR PXC BATTERY CABINET 100-210 W/C Input: 450Vdc, 3PH, 60Hz Output: 450Vdc, 3PH, 60Hz TOP & BOTTOM VIEW, ANCHORING DETAILS
PROJECT: DRAWINGS	SHEET 2 OF 7

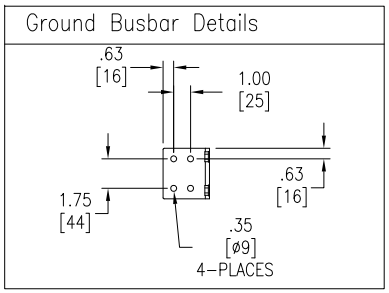
DWG NO:	GUPXCB-2		REV. 0
DRAWN BY:	K.NAGENDRA	14-FEB-17	THIRD ANGLE PROJECTION
ENGINEER:	IRENE KENNEDY	14-FEB-17	
APPROVED BY:	W.WATKINS	14-FEB-17	

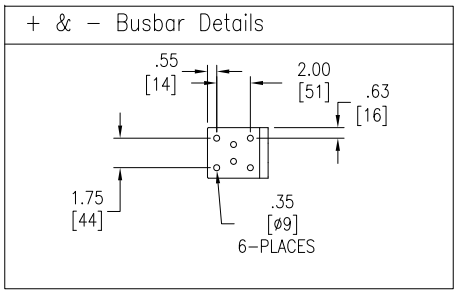


INTERNAL LH SIDE VIEW

INTERNAL FRONT VIEW
(DOOR AND PANELS REMOVED FOR CLARITY)

INTERNAL RH SIDE VIEW





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. FOR BATTERY INTERFACE DETAILS REFER TO UPS INSTALLATION MANUAL.
△5. BATTERY ARRANGEMENT SHOWN ABOVE IS TYPICAL.

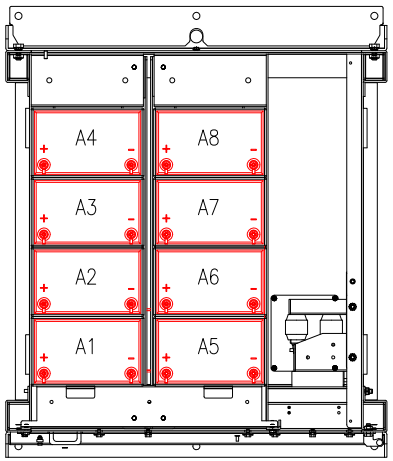
Schneider Electric

TITLE: GUTOR PXC
BATTERY CABINET 100–210 W/C
Input: 450Vdc, 3PH, 60Hz
Output: 450Vdc, 3PH, 60Hz
INTERNAL VIEW

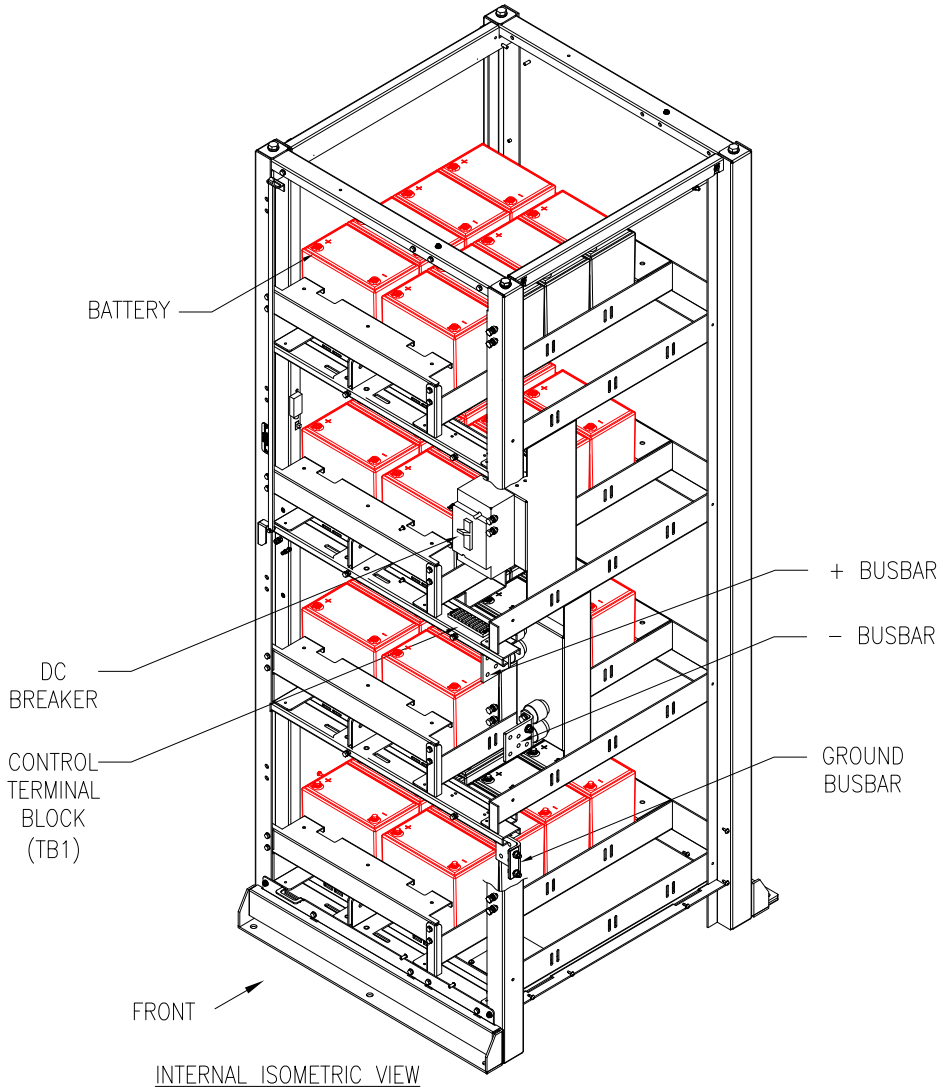
DWG NO: GUPXCB–2 REV. 0

DRAWN BY:	K.NAGENDRA	14–FEB–17	THIRD ANGLE PROJECTION
ENGINEER:	IRENE KENNEDY	14–FEB–17	
APPROVED BY:	W.WATKINS	14–FEB–17	

PROJECT: DRAWINGS SHEET 3 OF 7



SECTIONAL VIEW A–A
TOP VIEW
(BATTERY SHOWN FOR REFERENCE)



INTERNAL ISOMETRIC VIEW
(FRAME CUT AND SHOWN FOR CONVENIENCE)

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. FOR CONNECTION DETAILS REFER TO UPS INSTALLATION MANUAL.

Schneider Electric

TITLE:	GUTOR PXC BATTERY CABINET 100–210 W/C Input: 450Vdc, 3PH, 60Hz Output: 450Vdc, 3PH, 60Hz INTERNAL DETAILS	DWG NO:	GUPXCB–2
		REV.	0
PROJECT: DRAWINGS	SHEET 4 OF 7	DRAWN BY: K.NAGENDRA	14–FEB–17
		ENGINEER: IRENE KENNEDY	14–FEB–17
		APPROVED BY: W.WATKINS	14–FEB–17
			THIRD ANGLE PROJECTION

BATTERY CABINET SKU NUMBER	NUMBER OF CABINET(S)	Runtime(min) at Full load (calculated)		
		25 kVA	37.5 kVA	50 kVA
GUPXCB150EN100	1	7	-	-
GUPXCB150EN150	1	16	9	-
	2	42	-	-
GUPXCB150EN205	1	25	15	-
	2	-	36	-
GUPXCB200EN205	1	-	-	9
GUPXCB150CD100	1	7	-	-
GUPXCB150CD150	1	16	9	-
	2	42	-	-
GUPXCB150CD210	1	25	15	-
	2	-	36	-
GUPXCB200CD210	1	-	-	9

BATTERY CABINET SKU NUMBER	Cabinet Weight lbs (kg)	Center of Gravity inch(mm)		
		x-distance	y-distance	z-distance
GUPXCB150EN100	1325 (602	14 (356)	37 (940)	13 (330)
GUPXCB150EN150	1650 (750)	14 (356)	37 (940)	15 (381)
GUPXCB150EN205	2000 (909)	13 (330)	38 (965)	14 (356)
GUPXCB200EN205	2000 (909)	13 (330)	38 (965)	14 (356)
GUPXCB150CD100	1300 (591)	14 (356)	37 (940)	13 (330)
GUPXCB150CD150	1500 (682)	14 (356)	37 (940)	13 (330)
GUPXCB150CD210	1900 (864)	13 (330)	38 (965)	14 (356)
GUPXCB200CD210	1900 (864)	13 (330)	38 (965)	14 (356)

TORQUE SPECIFICATIONS	
M6	5.0Nm (3.60lb-ft)
M8	17.5Nm (12.91lb-ft)
M10	30.0Nm (22.0lb-ft)
M12	50.0Nm (36.87lb-ft)

PART NUMBER EXPLANATION

Example: GUPXCB150EN100

CB Rating
150 = 150A
200 = 200A

Battery
100 = 100 Watt/Cell
150 = 150 Watt/Cell
205 = 205 Watt/Cell
210 = 210 Watt/Cell

Battery Type
EN = Enersys
CD = C & D

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. REFER TO BATTERY INSTALLATION MANUAL FOR CABLING DETAILS.

Schneider Electric

TITLE: GUTOR PXC
BATTERY CABINET 100-210 W/C
Input: 450Vdc, 3PH, 60Hz
Output: 450Vdc, 3PH, 60Hz
RUNTIME DATA & SPECIFICATION

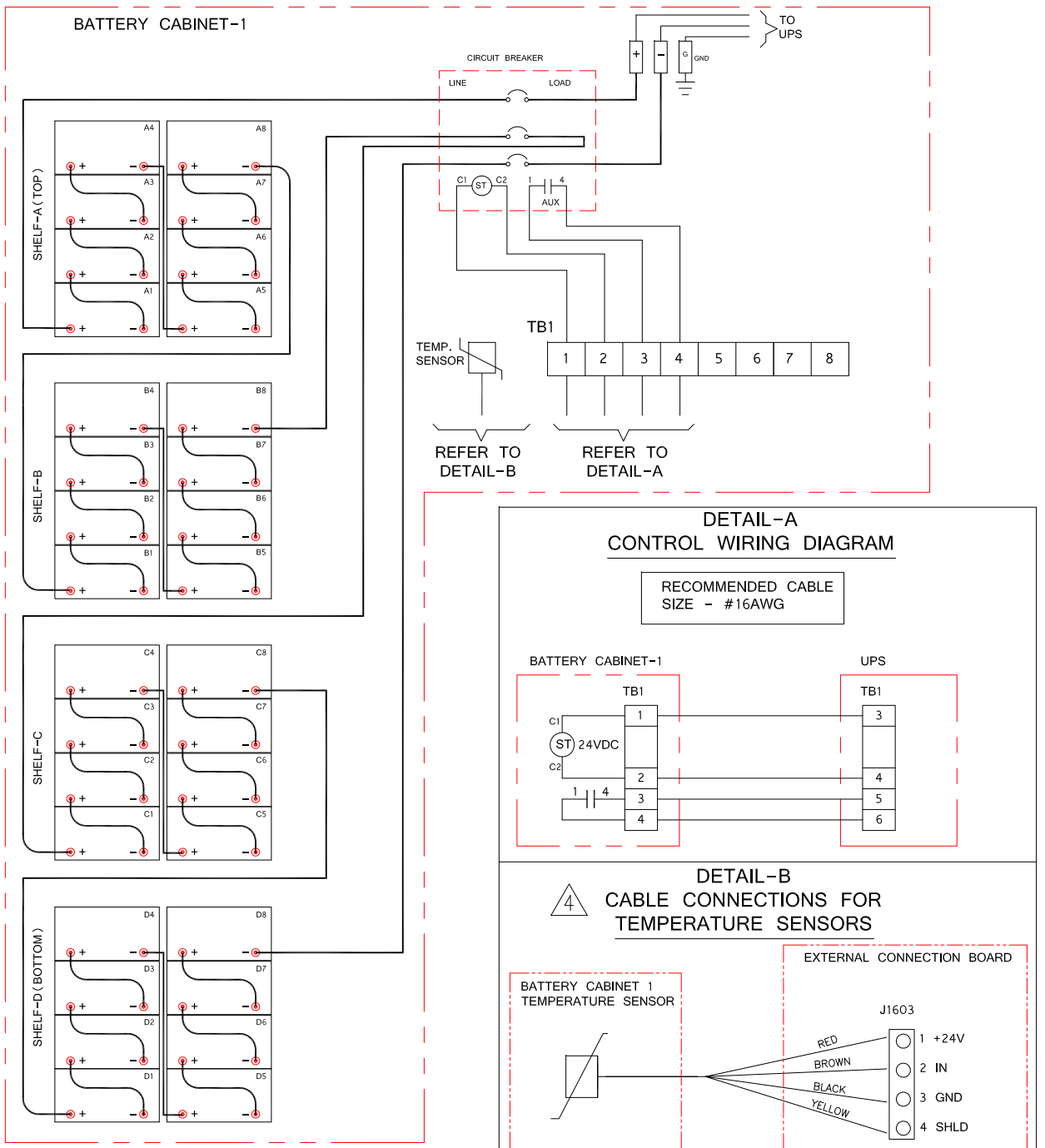
PROJECT: DRAWINGS | SHEET 5 OF 7

DWG NO: GUPXCB-2 | REV. 0

DRAWN BY:	K.NAGENDRA	14-FEB-17
ENGINEER:	IRENE KENNEDY	14-FEB-17
APPROVED BY:	W.WATKINS	14-FEB-17

THIRD ANGLE PROJECTION

TYPICAL CABLING DIAGRAM (ONE CABINET)



DETAIL-A
CONTROL WIRING DIAGRAM

RECOMMENDED CABLE SIZE - #16AWG

DETAIL-B
CABLE CONNECTIONS FOR TEMPERATURE SENSORS

△4

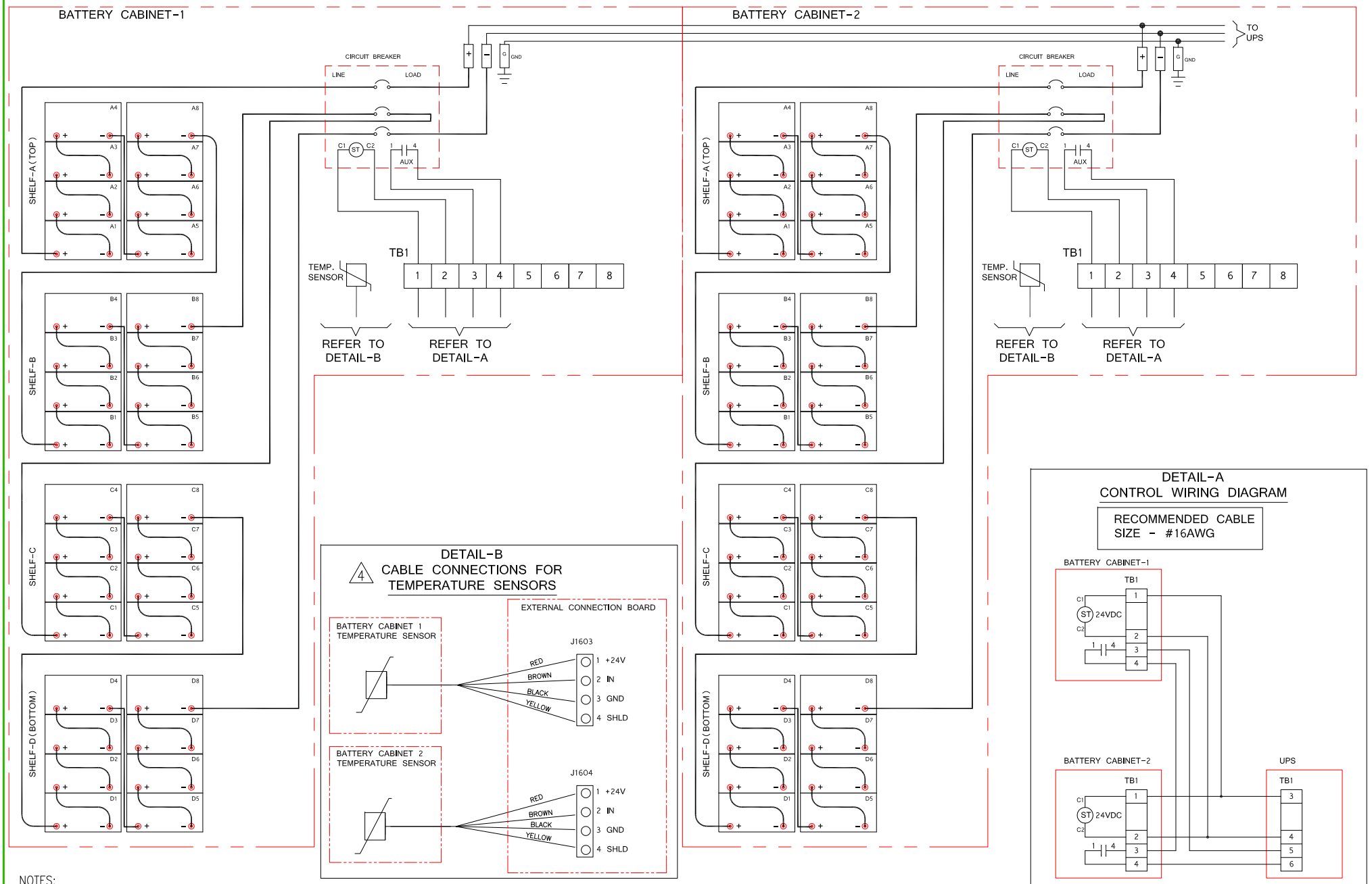
NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. REFER TO BATTERY INSTALLATION MANUAL FOR CABLING DETAILS.
△4. FOR REMOTE CABINET, CONNECT THE TEMPERATURE SENSOR TO BATTERY CABINET TB1, PINS 5,6,7 & 8. WIRING NOT PROVIDED TO UPS.

Schneider Electric

TITLE:	GUTOR PXC BATTERY CABINET 100-210 W/C Input: 450Vdc, 3PH, 60Hz Output: 450Vdc, 3PH, 60Hz CABLING DETAILS-1	DWG NO: GUPXCB-2	REV. 0
		DRAWN BY: K.NAGENDRA	14-FEB-17
		ENGINEER: IRENE KENNEDY	14-FEB-17
PROJECT: DRAWINGS	SHEET 6 OF 7	APPROVED BY: W.WATKINS	14-FEB-17

THIRD ANGLE PROJECTION

TYPICAL CABLING DIAGRAM (TWO CABINETS)



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. REFER TO BATTERY INSTALLATION MANUAL FOR CABLING DETAILS.
△4. FOR REMOTE CABINET, CONNECT THE TEMPERATURE SENSOR TO BATTERY CABINET TB1, PINS 5,6,7 & 8. WIRING NOT PROVIDED TO UPS.

Schneider Electric

TITLE:	GUTOR PXC BATTERY CABINET 100-210 W/C Input: 450Vdc, 3PH, 60Hz Output: 450Vdc, 3PH, 60Hz CABLING DETAILS-2
PROJECT: DRAWINGS	SHEET 7 OF 7
DWG NO:	GUPXCB-2
REV.	0
DRAWN BY:	K.NAGENDRA 14-FEB-17
ENGINEER:	IRENE KENNEDY 14-FEB-17
APPROVED BY:	W.WATKINS 14-FEB-17
	THIRD ANGLE PROJECTION