

NOTES:

1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.
2. PLEASE REFER TO INSTALLATION MANUAL FOR DETAILED INFORMATION.
3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS.
4. CABLE ENTRY IS REAR OF UNIT (VIA CONDUIT BOX).
5. FRONT AND REAR SERVICE CLEARANCE, TOP COOLING CLEARANCE REQUIRED.
- △ 6. ENCLOSURE STABILIZING BRACKET MUST BE INSTALLED ON 352mm WIDE STAND-ALONE UNIT TO ENHANCE STABILITY.
7. WEIGHT OF UNIT IS 309 kg.
- △ 8. OPTION REPRESENTED BY THIS DRAWING.
9. RUNTIME CAN BE EXTENDED WITH ADDITIONAL BATTERY MODULES AND BATTERY CABINETS (SEE CHART).
- △ 10. USE FLEXIBLE CONDUIT WITH SUFFICIENT LENGTH TO ALLOW THE UNIT TO BE MOVED OUT FOR SERVICE.

RUN-TIME CHART AT 0.8 PF

Battery position	Number of Battery Modules	Run-Time in Minutes
△ SUVTP10KH1B2	1	6
SUVTP10KH1B2+(1)SYBT4	2	18
SUVTP10KH1B2+(1)SYBT4+(1)SUVTBXR2B6S	4	47
SUVTP10KH1B2+(1)SYBT4+(1)SUVTBXR2B6S+(1)SYBT4	5	62
SUVTP10KH1B2+(1)SYBT4+(1)SUVTBXR2B6S+(2)SYBT4	6	78
SUVTP10KH1B2+(1)SYBT4+(1)SUVTBXR2B6S+(3)SYBT4	7	95
SUVTP10KH1B2+(1)SYBT4+(1)SUVTBXR6B6S	8	112
SUVTP10KH1B2+(1)SYBT4+(2)SUVTBXR6B6S	14	223
SUVTP10KH1B2+(1)SYBT4+(3)SUVTBXR6B6S	20	344
SUVTP10KH1B2+(1)SYBT4+(4)SUVTBXR6B6S	26	473

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TITLE: SMART-UPS VT, PARALLEL CAPABLE
10kVA, 400/230VAC, 3Ø
w/ (1) BATTERY MODULE, EXPANDABLE TO 2 MAIN MECHANICAL

PROJECT: SUBMITTAL DRAWING SHEET: 1 OF 9

DWG NO: SUVTP10KH1B2

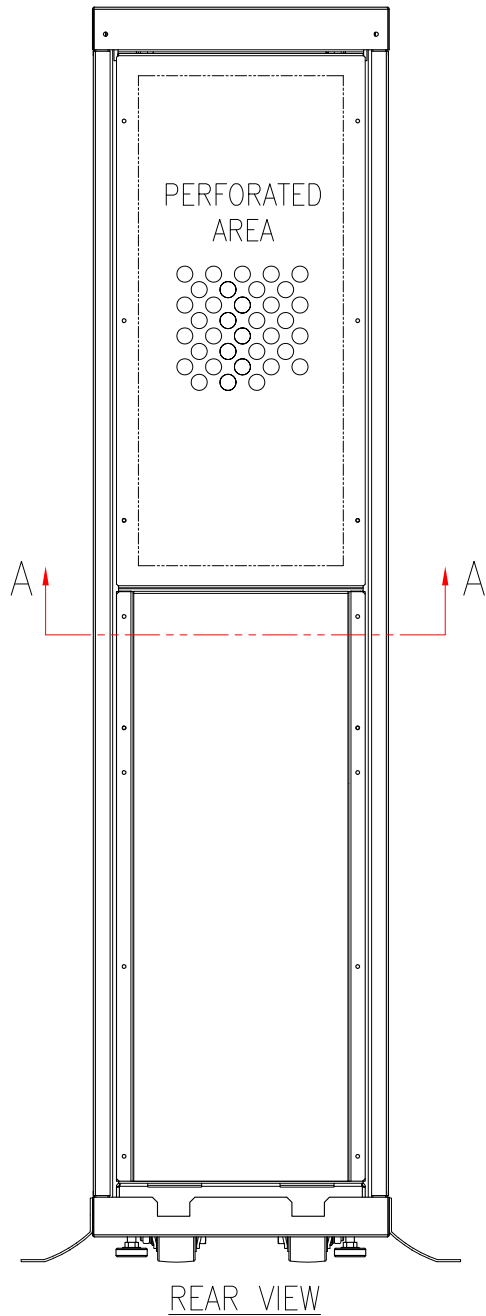
DRAWN: C KRISHNA/S CUNHA 06FEB2015

ENGINEER: D PETERSEN/A WARNER 10MAR2009

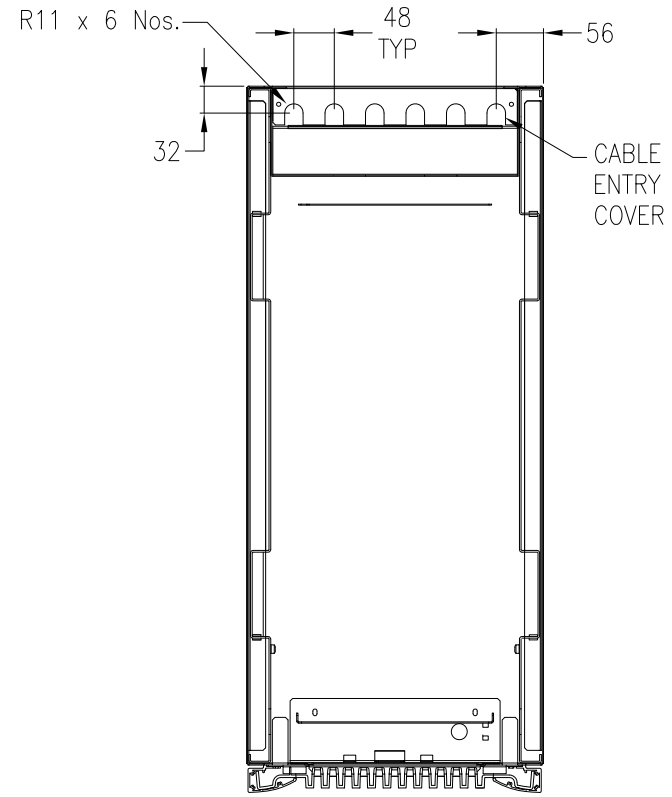
APPROVED: C LARSEN/S WAGH/E SILVA 10MAR2009

REV. 2

FIRST ANGLE PROJ



REAR VIEW



↑
FRONT

SECTION - AA

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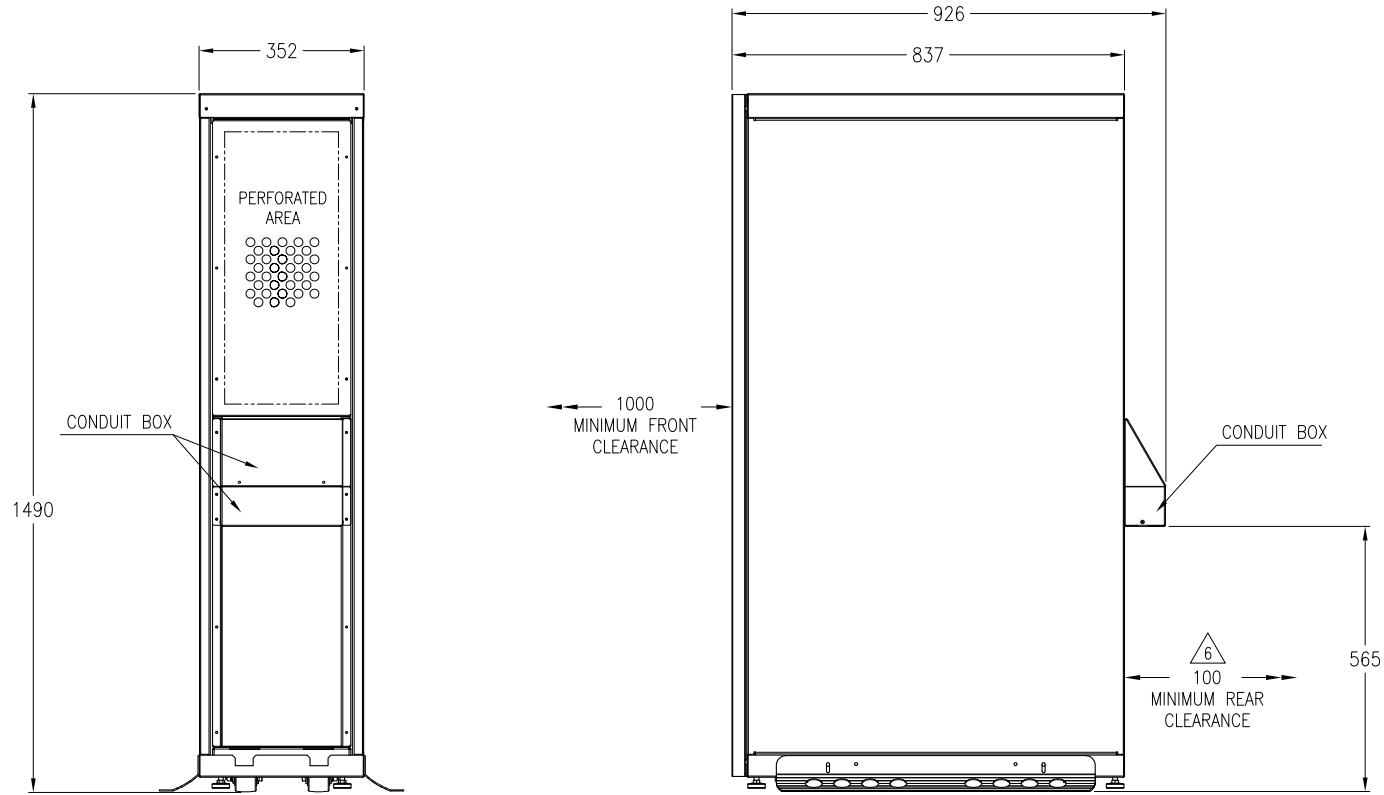
TITLE:
SMART-UPS VT, PARALLEL CAPABLE
10kVA, 400/230VAC, 3Ø
w/ (1) BATTERY MODULE, EXPANDABLE TO 2
REAR VIEW & SECTION

PROJECT: SUBMITTAL DRAWING SHEET: 2 OF 9

DWG NO: **SUVTP10KH1B2** REV. 2

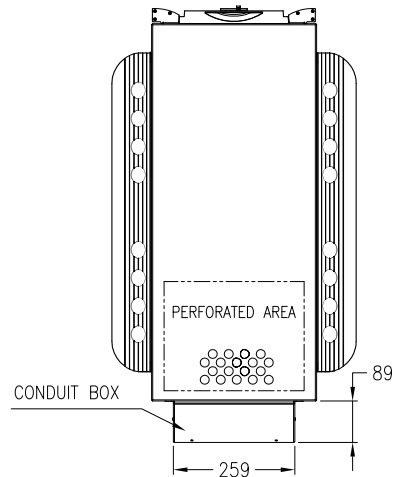
DRAWN: C KRISHNA/S CUNHA	06FEB2015	FIRST ANGLE PROJ
ENGINEER: D PETERSEN/A WARNER	10MAR2009	
APPROVED: C LARSEN/S WAGH/E SILVA	10MAR2009	

UNIT WITH OPTIONAL CONDUIT BOX



REAR VIEW

SIDE VIEW



TOP VIEW

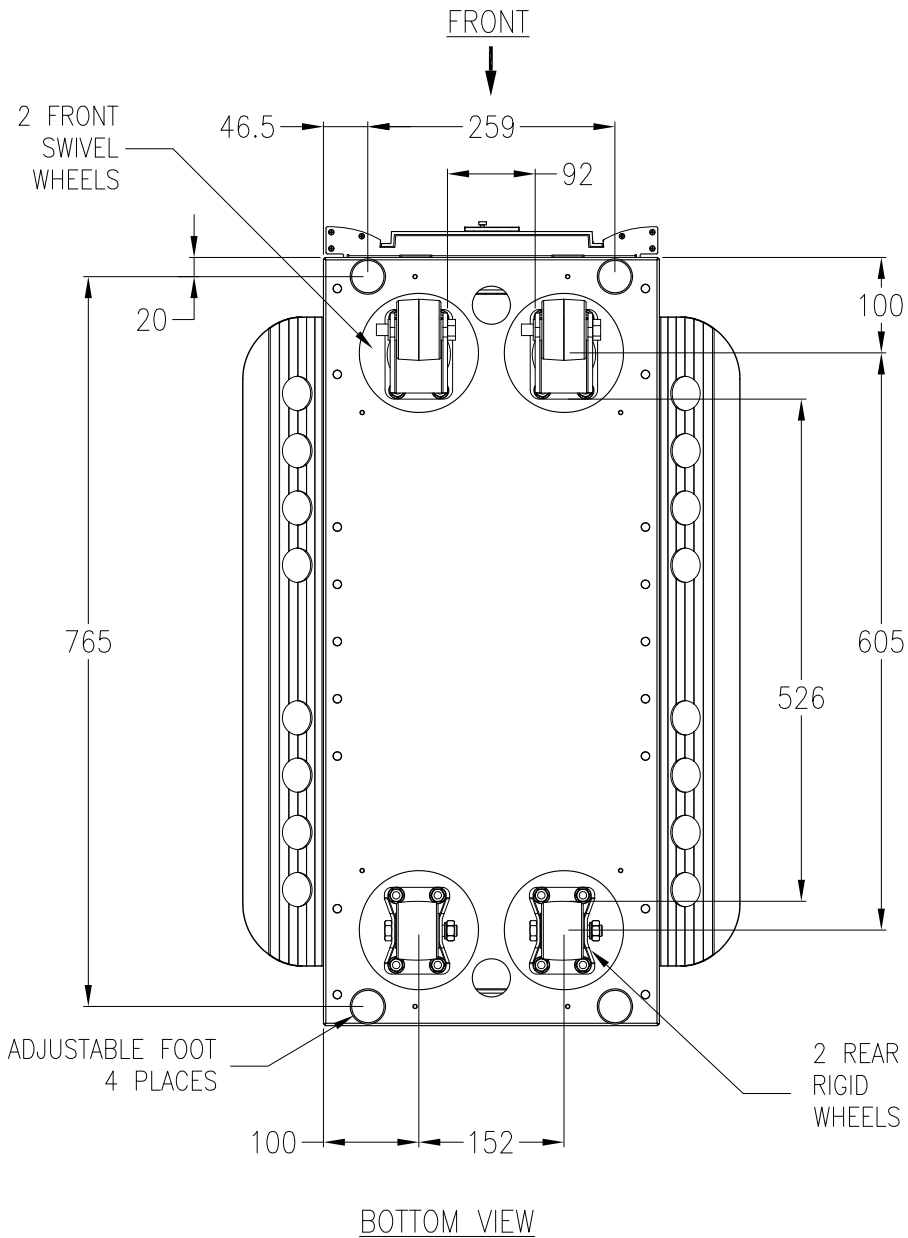
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4. SOME STRUCTURAL DETAILS HAVE BEEN OMITTED FOR THE PURPOSE OF CLARITY.
5. CONDUIT BOX IS NOT PROVIDED WITH THE STANDARD UNIT BUT HAS TO BE ORDERED AS AN OPTION.
- △ 6. USE FLEXIBLE CONDUIT WITH SUFFICIENT LENGTH TO ALLOW THE UNIT TO BE MOVED OUT FOR SERVICE.

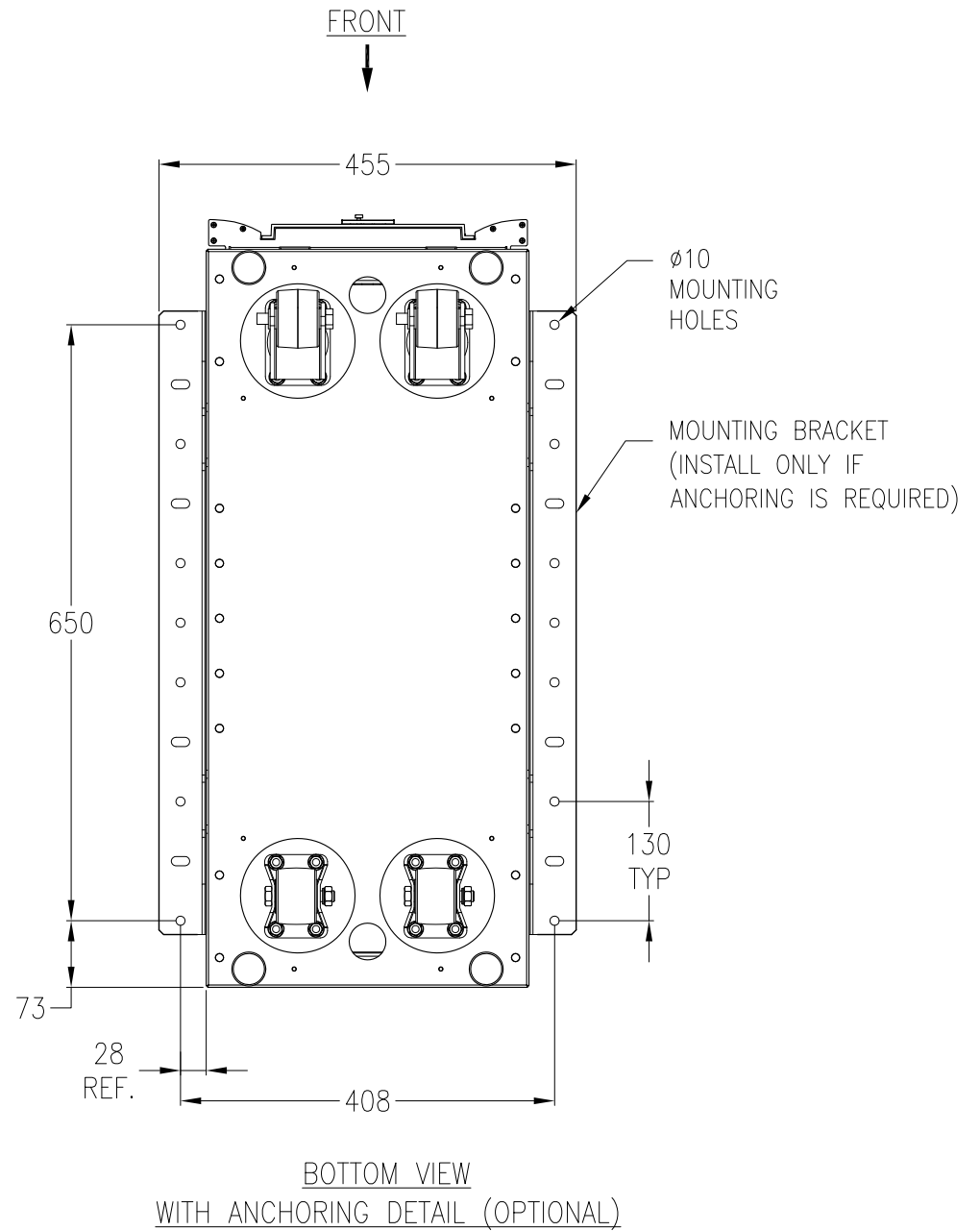
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TITLE:		SMART-UPS VT, PARALLEL CAPABLE 10kVA, 400/230VAC, 3Ø w/ (1) BATTERY MODULE, EXPANDABLE TO 2 CONDUIT BOX OPTION		DWG NO:	SUVTP10KH1B2	REV.	2
PROJECT:		SUBMITTAL DRAWING	SHEET:	3 OF 9	DRAWN:	C KRISHNA/S CUNHA	06FEB2015
					ENGINEER:	D PETERSEN/A WARNER	10MAR2009
					APPROVED:	C LARSEN/S WAGH/E SILVA	10MAR2009
						FIRST ANGLE PROJ	



BOTTOM VIEW



BOTTOM VIEW WITH ANCHORING DETAIL (OPTIONAL)

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5. CONDUIT BOX IS NOT PROVIDED WITH THE STANDARD UNIT BUT HAS TO BE ORDERED AS AN OPTION.

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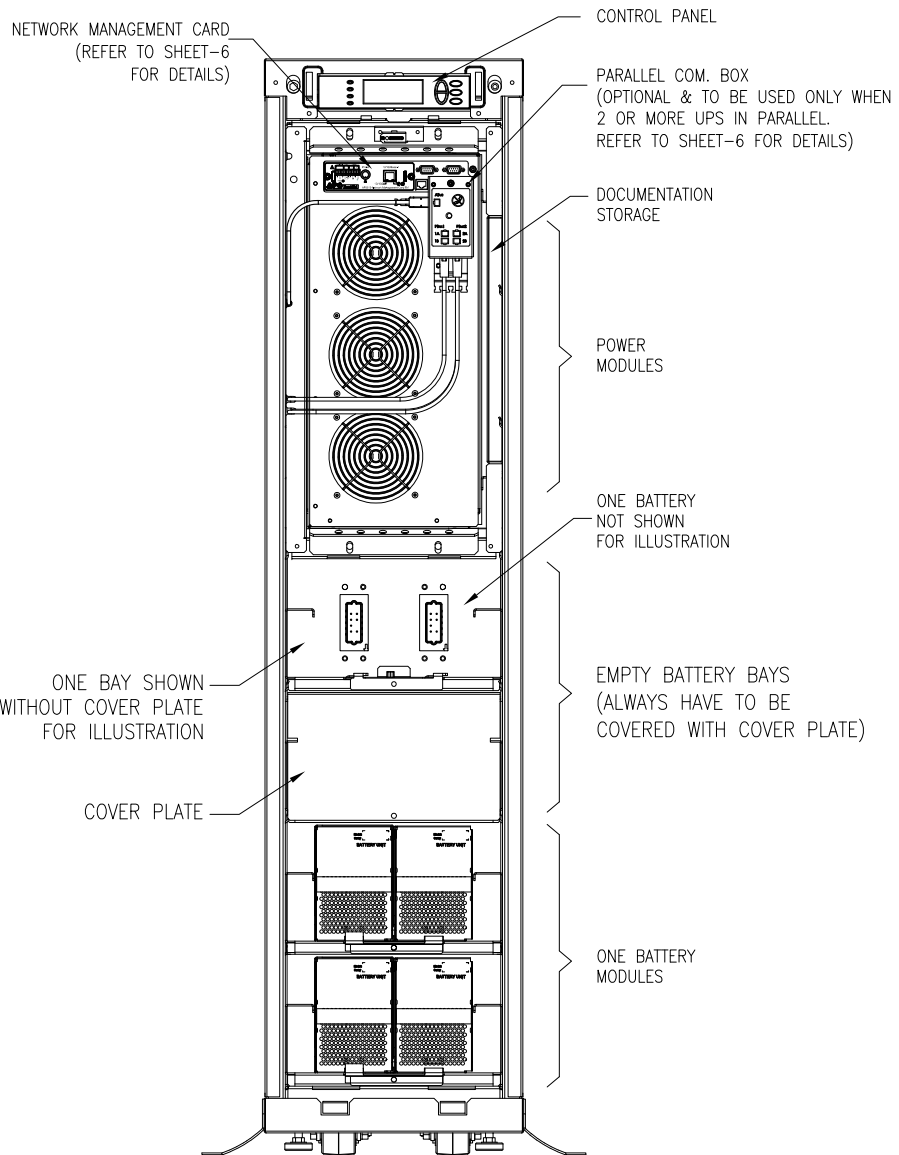


TITLE: SMART-UPS VT, PARALLEL CAPABLE
10kVA, 400/230VAC, 3Ø
w/ (1) BATTERY MODULE, EXPANDABLE TO 2
BOTTOM VIEW & ANCHORING DETAILS

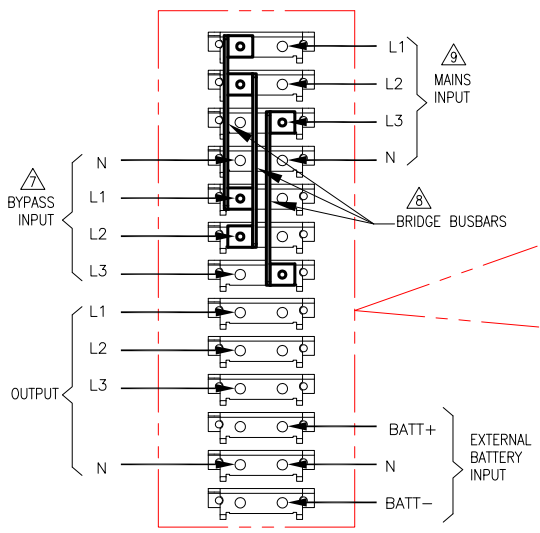
PROJECT: SUBMITTAL DRAWING SHEET: 4 OF 9

DWG NO: SUVTP10KH1B2 REV. 2

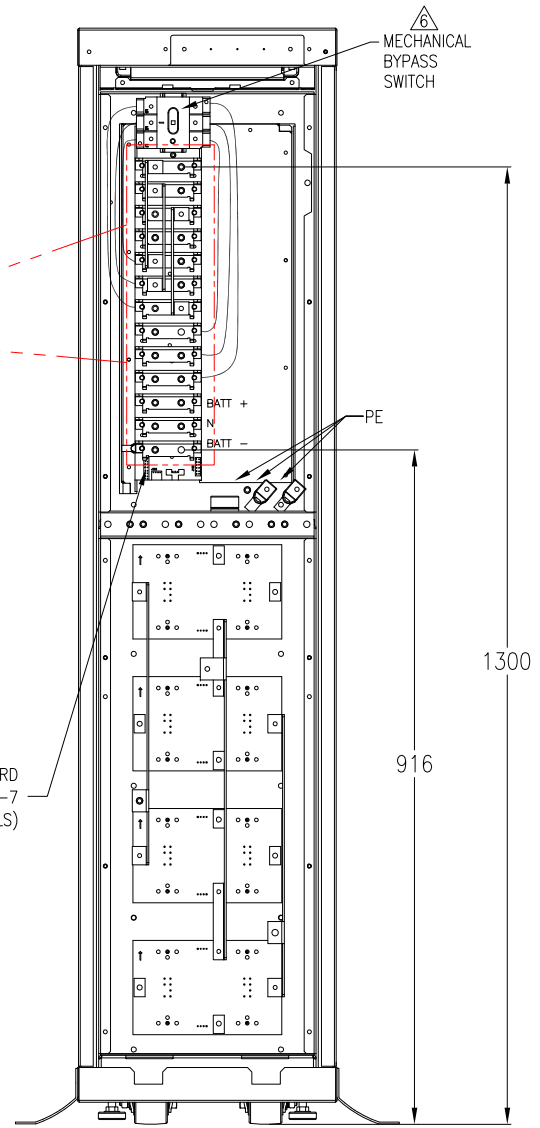
DRAWN: C KRISHNA/S CUNHA	06FEB2015	FIRST ANGLE PROJ
ENGINEER: D PETERSEN/A WARNER	10MAR2009	
APPROVED: C LARSEN/S WAGH/E SILVA	10MAR2009	



FRONT VIEW
PANEL REMOVED



INPUT-OUTPUT CONNECTIONS
(ENLARGED VIEW)



REAR VIEW
PANEL REMOVED

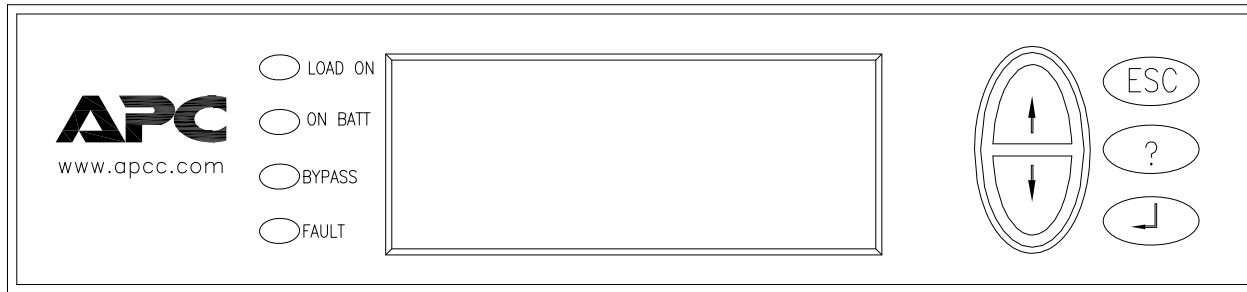
NOTES:

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 2. PLEASE REFER TO INSTALLATION MANUAL FOR DETAILED INFORMATION.
 3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS.
 4. SOME STRUCTURAL DETAILS HAVE BEEN OMITTED FOR THE PURPOSE OF CLARITY.
 5. SUVTP UPS IS DESIGNED FOR SINGLE AND DUAL MAINS. SINGLE MAINS INSTALLATION IS A DEFAULT.
- △6. THE MECHANICAL BYPASS SWITCH MUST BE REMOVED WHEN THE UPS IS TO RUN IN PARALLEL.
- △7. FOR DUAL MAINS ONLY.
- △8. TO BE REMOVED FOR DUAL MAINS INSTALLATION.
- △9. THE MAINS INPUT NEUTRAL SHOULD BE FED ONLY FOR SINGLE MAINS CONFIGURATION . FOR DUAL MAINS CONFIGURATION THE MAINS INPUT NEUTRAL SHOULD NOT BE FED.

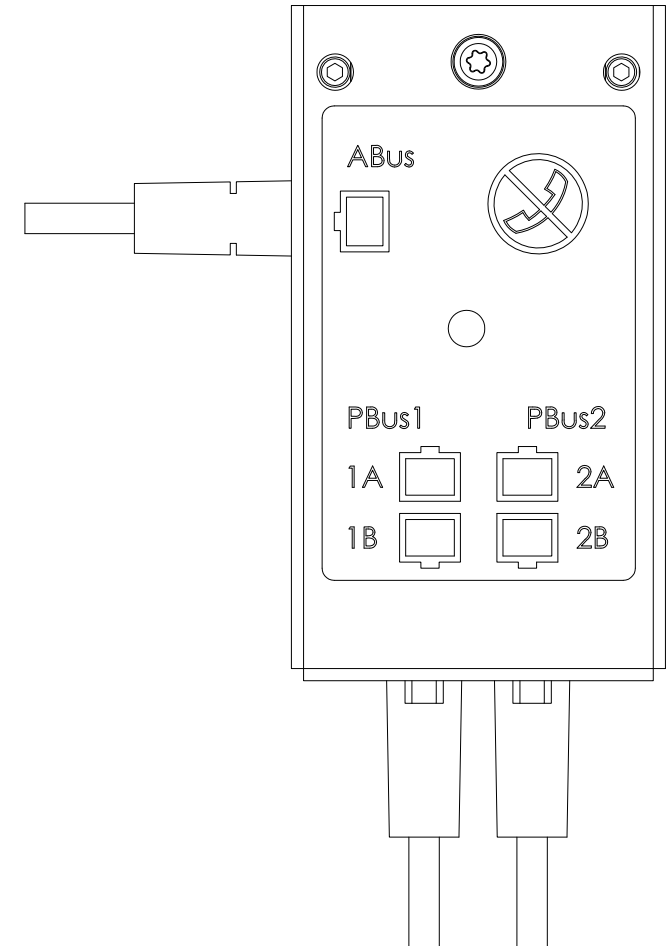
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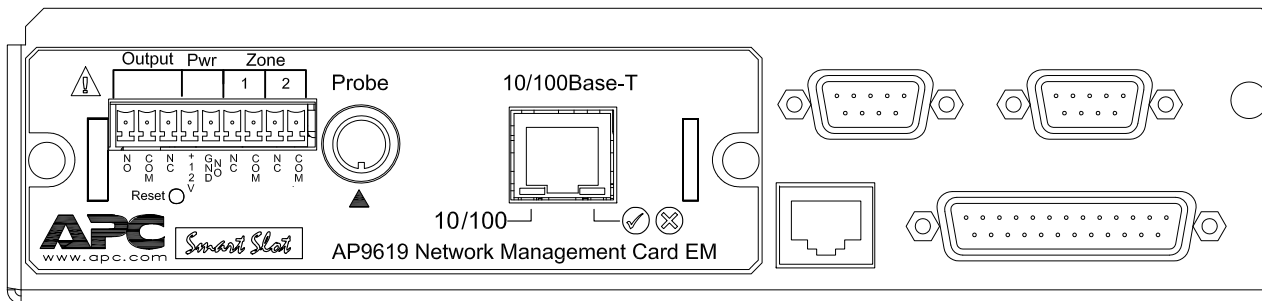
TITLE: SMART-UPS VT, PARALLEL CAPABLE 10kVA, 400/230VAC, 3Ø w/ (1) BATTERY MODULE, EXPANDABLE TO 2 INPUT / OUTPUT DETAILS		DWG NO: SUVTP10KH1B2		REV. 3
PROJECT: SUBMITTAL DRAWING	SHEET: 5 OF 9	DRAWN: C KRISHNA/S CUNHA/BALA	20NOV2015	FIRST ANGLE PROJ
		ENGINEER: D PETERSEN/A WARNER	20NOV2015	
		APPROVED: S ANDERSEN/S WAGHE/SILVA	20NOV2015	



CONTROL PANEL



PARALLEL COMMUNICATION BOX
(OPTIONAL)



NETWORK MANAGEMENT CARD

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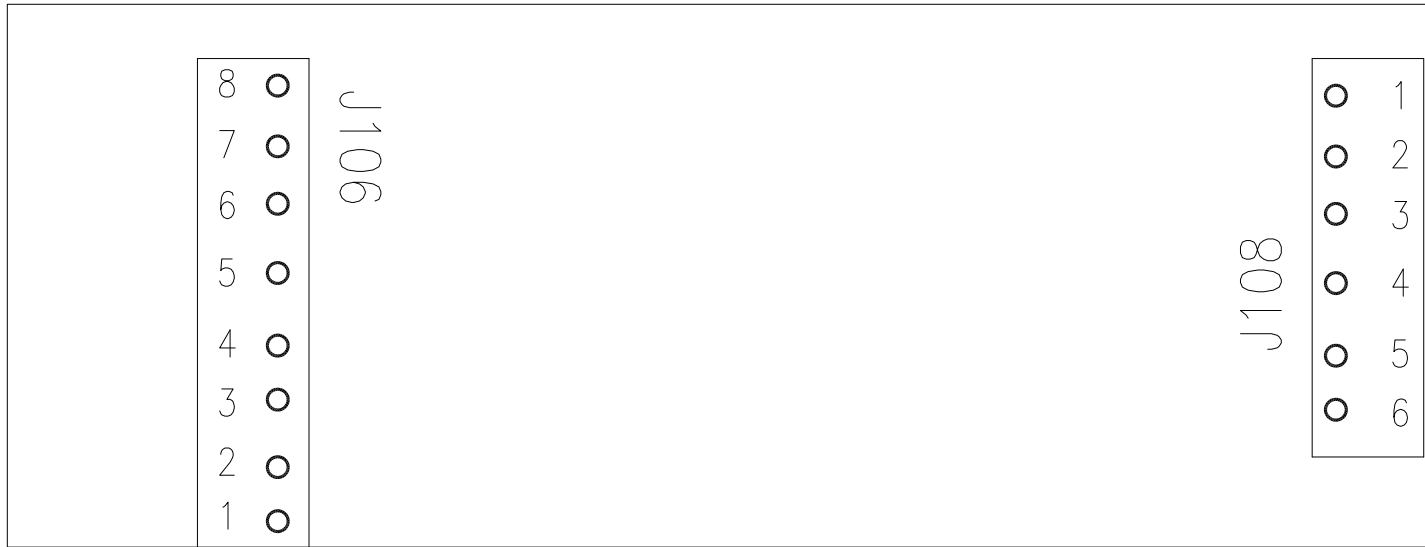


TITLE:
SMART-UPS VT, PARALLEL CAPABLE
10kVA, 400/230VAC, 3Ø
w/ (1) BATTERY MODULE, EXPANDABLE TO 2
CONTROL PANEL & NMC DETAILS

PROJECT: SUBMITTAL DRAWING SHEET: 6 OF 9

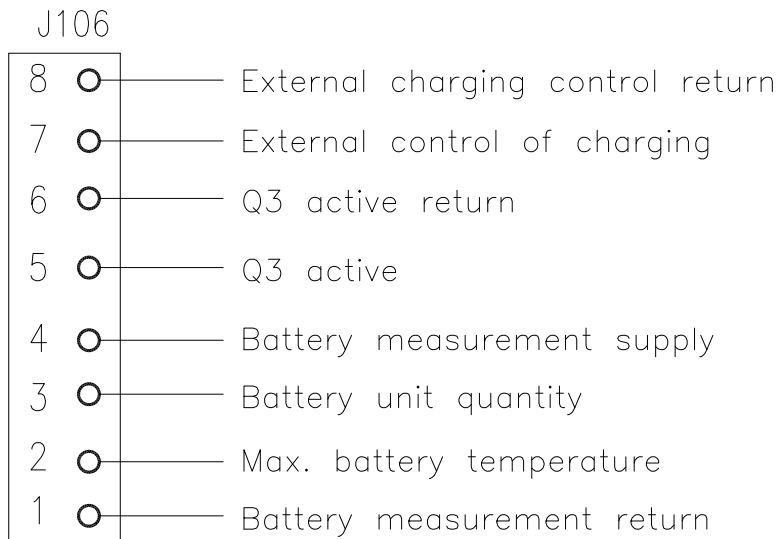
DWG NO: SUVTP10KH1B2 REV. 2

DRAWN: C KRISHNA/S CUNHA	06FEB2015	PROJ ANGLE N/A
ENGINEER: D PETERSEN/A WARNER	10MAR2009	
APPROVED: C LARSEN/S WAGH/E SILVA	10MAR2009	

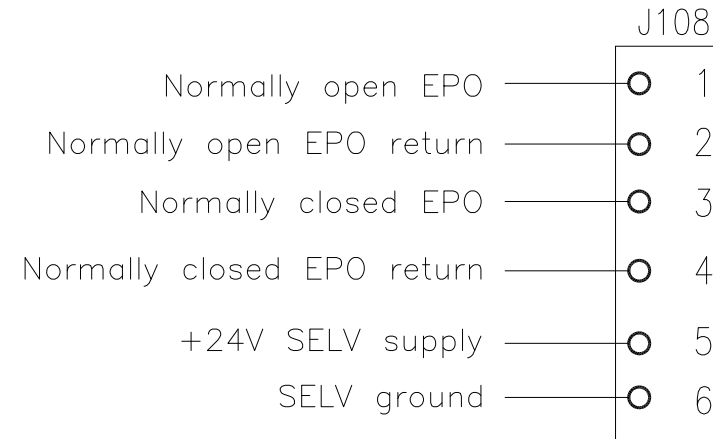


COMMUNICATION BOARD

J106 PIN CONNECTIONS



J108 PIN CONNECTIONS



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TITLE:
SMART-UPS VT, PARALLEL CAPABLE
10kVA, 400/230VAC, 3Ø
w/ (1) BATTERY MODULE, EXPANDABLE TO 2
COMMUNICATION BOARD DETAILS

PROJECT: SUBMITTAL DRAWING SHEET: 7 OF 9

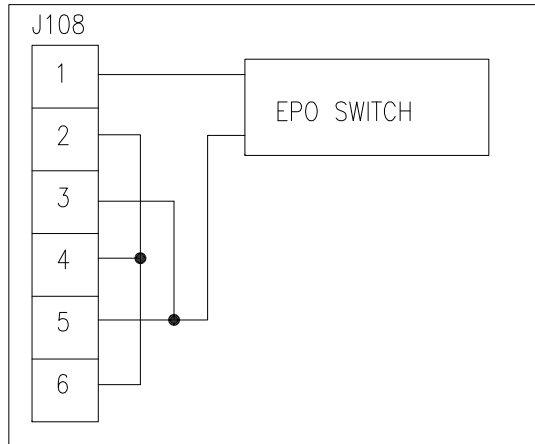
DWG NO: **SUVTP10KH1B2** REV. **2**

DRAWN: C KRISHNA/S CUNHA	06FEB2015
ENGINEER: D PETERSEN/A WARNER	10MAR2009
APPROVED: C LARSEN/S WAGH/E SILVA	10MAR2009

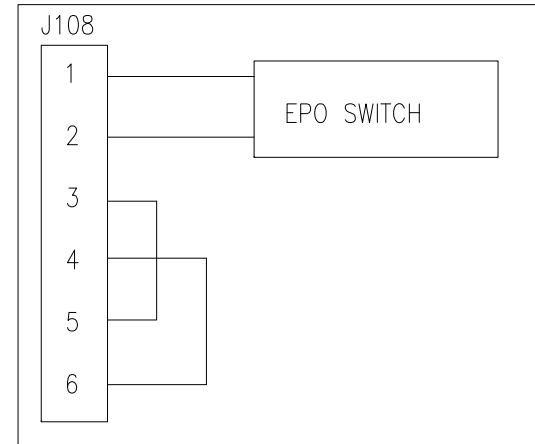
PROJ
ANGLE
N/A

EPO WIRING OPTIONS (J108)
 CONNECT THE EPO CABLE, USING ONE OF THE FOLLOWING 4 WIRING CONFIGURATIONS.

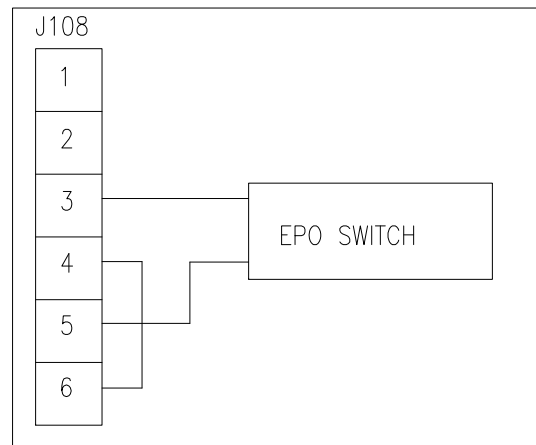
1: DRY NORMALLY OPEN CONTACTS



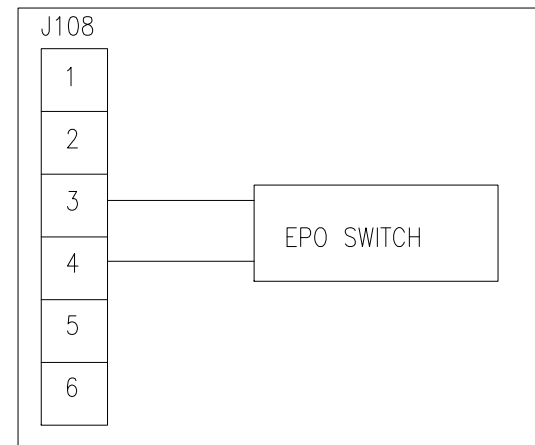
2: +24V NORMALLY OPEN



3: DRY NORMALLY CLOSED CONTACTS



4: +24V NORMALLY CLOSED



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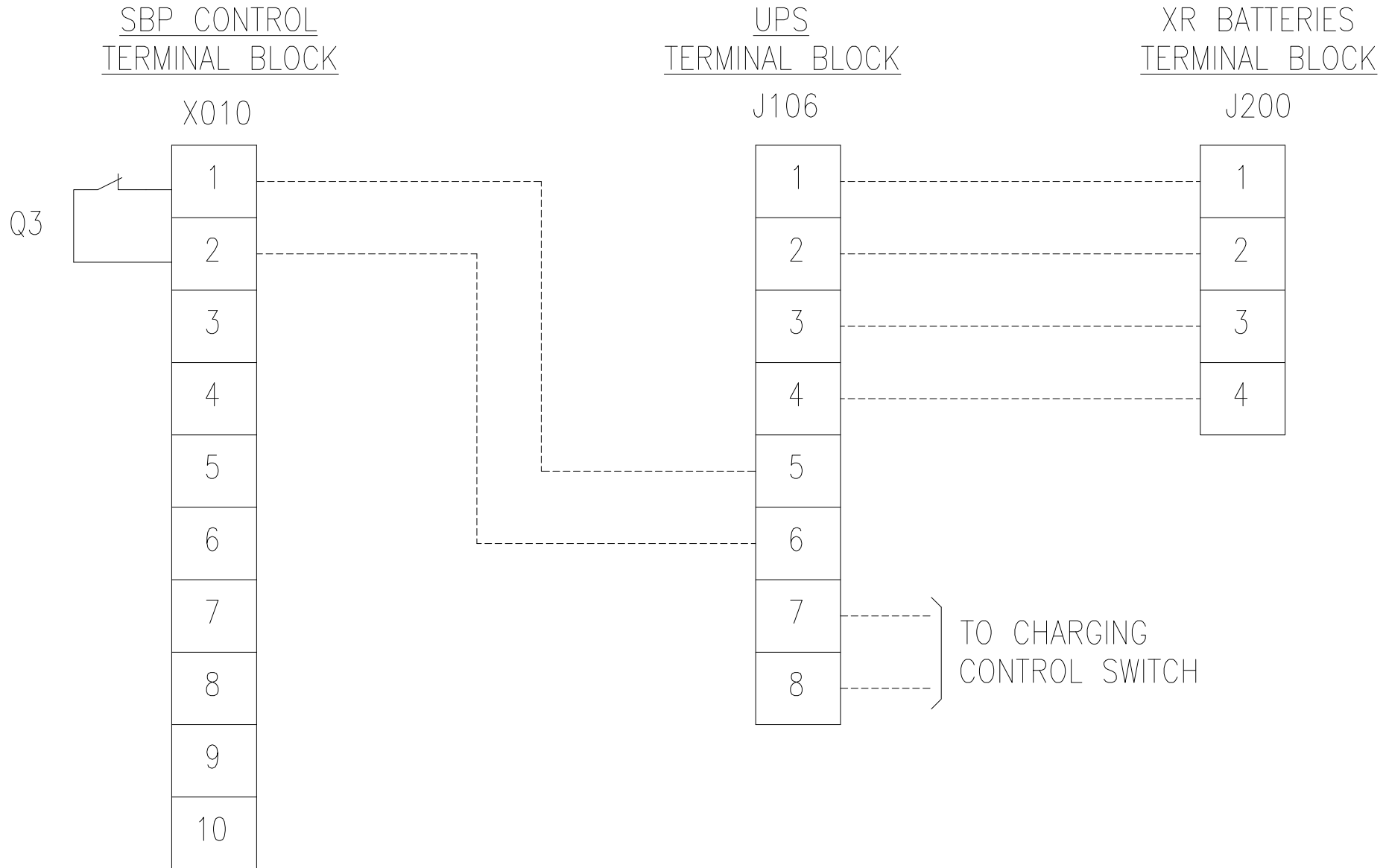
TITLE:
 SMART-UPS VT, PARALLEL CAPABLE
 10kVA, 400/230VAC, 3Ø
 w/ (1) BATTERY MODULE, EXPANDABLE TO 2
 EPO CIRCUIT WIRING DIAGRAM OPTIONS

PROJECT: SUBMITTAL DRAWING SHEET: 8 OF 9

DWG NO: **SUVTP10KH1B2** REV. **2**

DRAWN: C KRISHNA/S CUNHA	06FEB2015	PROJ ANGLE N/A
ENGINEER: D PETERSEN/A WARNER	10MAR2009	
APPROVED: C LARSEN/S WAGH/E SILVA	10MAR2009	

SYSTEM CONTROL CONNECTIONS



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4. ----- = CABLING PROVIDED BY OTHERS.

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TITLE: SMART-UPS VT, PARALLEL CAPABLE
10kVA, 400/230VAC, 3Ø
w/ (1) BATTERY MODULE, EXPANDABLE TO 2
SYSTEM CONTROL CONNECTION DIAGRAM

PROJECT: SUBMITTAL DRAWING SHEET: 9 OF 9

DWG NO: **SUVTP10KH1B2** REV: **2**

DRAWN: C KRISHNA/S CUNHA	06FEB2015	PROJ ANGLE N/A
ENGINEER: D PETERSEN/A WARNER	10MAR2009	
APPROVED: C LARSEN/S WAGH/E SILVA	10MAR2009	