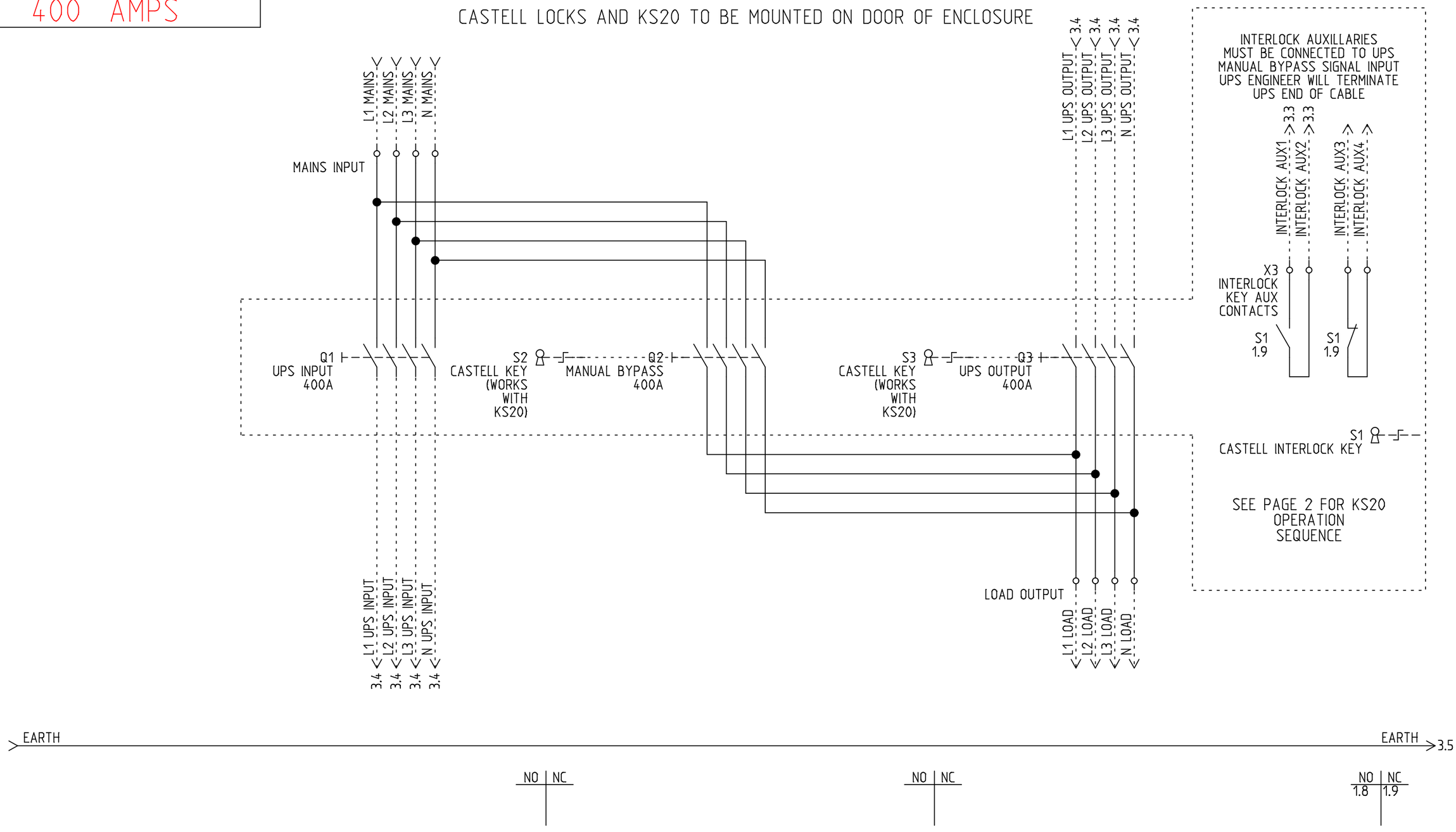
MAX PANEL SUPPLY PROTECTIVE DEVICE RATING:

400 AMPS

CASTELL LOCKS AND KS20 TO BE MOUNTED ON DOOR OF ENCLOSURE



NOTES:

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3) ALL DIMENSIONS IN MM UNLESS OTHERWISE SPECIFIED
4) 4 – CORE SHIELDED SIGNAL CABLE MUST BE RUN FROM EMBS TO EACH UPS UNIT
5) ALL DASHED LINES EXTERNAL TO BYPASS PANEL

PRODUCT REF:	RB1–K–EMBS–400A–4P–ISO–KS20–KBOLT	REV NO:	2
DOCUMENT NUMBER:	RBECAD00597	CREATION DATE:	29/04/2016
PAGE DESCRIPTION:	MAIN SWITCH'S	REV DATE:	13/08/2020
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	R BARNES
PAGE TEMPLATE REF:	RBQS00075REV2	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	tbc–KG	SHEET NUMBER:	1 OF 5

CASTELL KS20 SWITCHING SEQUENCE

CASTELL LOCKS AND KS20 TO BE MOUNTED ON DOOR OF ENCLOSURE

1) UPS UNIT IN NORMAL OPERATION INVERTER RUNNING

—CASTELL KEY TRAPPED

2) UPS UNIT SWITCHED TO STATIC THROUGH DISPLAY

—NOW TURN CASTELL KEY

3) CASTELL KEY (S1) TURNED AND REMOVED

—S1 AUX CONTACTS SEND SIGNAL BACK TO UPS TO LOCK IT IN STATIC BYPASS

4) CASTELL KEY CAN NOW BE INSERTED IN MANUAL BYPASS LOCK + TURNED

5) MANUAL BYPASS SWITCH CAN NOW BE TURNED ON

6) UPS OUTPUT SWITCH CAN NOW BE TURNED OFF

7) CASTELL KEY IN UPS OUTPUT LOCK CAN NOW BE TURNED + REMOVED

8) UPS OUTPUT CASTELL KEY CAN BE INSERTED IN KS20 + TURNED.

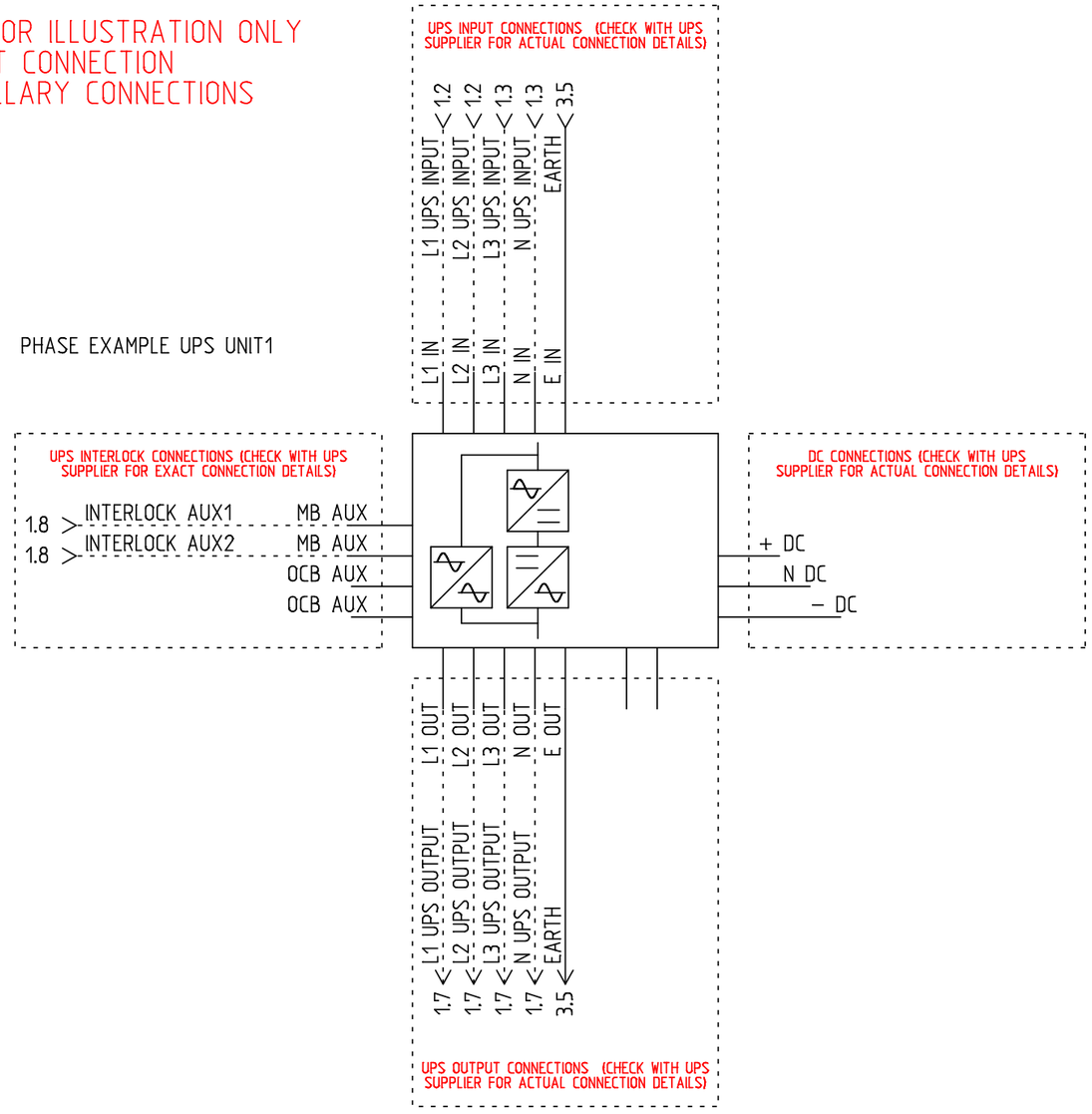
9) UPS UNIT INVERTER CAN NOW BE RE—STARTED FOR SERVICE WORK. LOAD ON MAINS.

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PRODUCT REF:	RB1—K—EMBS—400A—4P—ISO—KS20—KBOLT	REV NO:	2
DOCUMENT NUMBER:	RBECAD00597	CREATION DATE:	04/12/2017
PAGE DESCRIPTION:	KS20	REV DATE:	13/08/2020
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	R BARNES
PAGE TEMPLATE REF:	RBQS00078REV2	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	tbc—KG	SHEET NUMBER:	2 OF 5

EXAMPLE UPS UNIT CONNECTION DIAGRAM FOR ILLUSTRATION ONLY
CHECK WITH UPS UNIT SUPPLIER FOR EXACT CONNECTION CONFIGURATION FOR THE AC, DC AND AUXILLARY CONNECTIONS



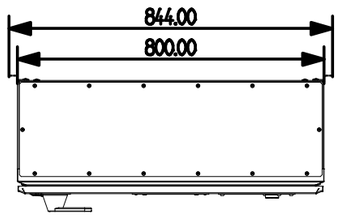
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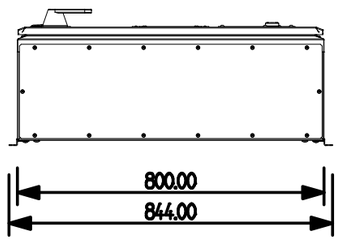
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DOCUMENT NUMBER:	RBECAD00597	CREATION DATE:	25/05/2016
PAGE DESCRIPTION:	UPS UNIT	REV DATE:	13/08/2020
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	R BARNES
PAGE TEMPLATE REF:	RBQS00078REV2	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	tbc–KG	SHEET NUMBER:	3 OF 5

ENCLOSURE LAYOUT

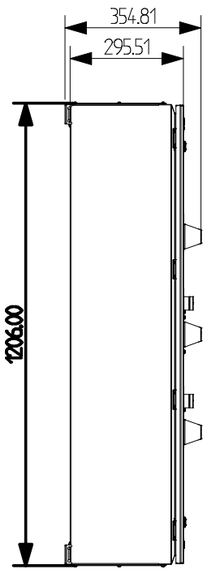
TOP VIEW



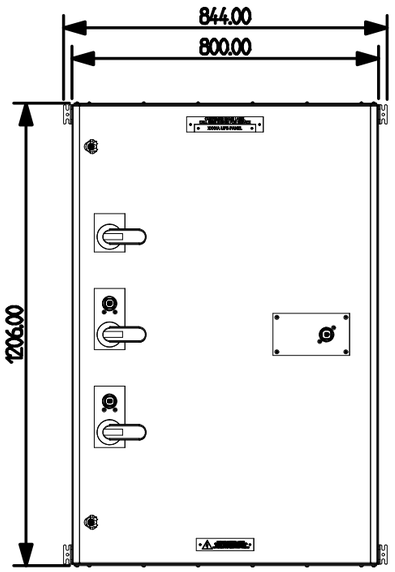
BOTTOM VIEW



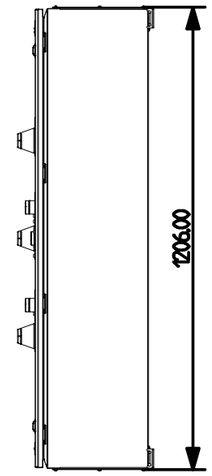
LEFT VIEW



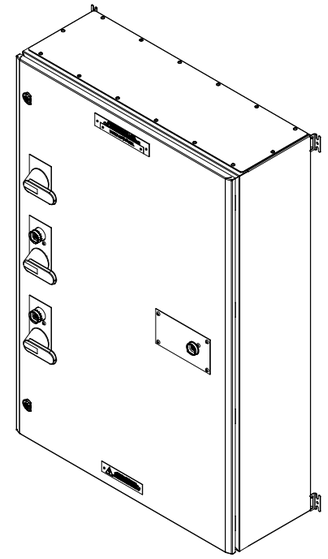
FRONT VIEW



RIGHT VIEW



ISOMETRIC VIEW



NOTES ON MECHANICAL LAYOUT:

1. ENCLOSURE CAN BE INSTALLED WITHOUT MOUNTING FEET IF PREFERRED
2. DOOR CAN BE HUNG ON OPPOSITE SIDE ON REQUEST

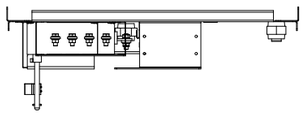
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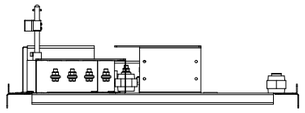
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DOCUMENT NUMBER:	RBECAD00597	CREATION DATE:	29/04/2016
PAGE DESCRIPTION:	MECHANICAL LAYOUT	REV DATE:	13/08/2020
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	R BARNES
PAGE TEMPLATE REF:	RBQS00078REV2	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	tbc–KG	SHEET NUMBER:	4 OF 5

INTERNAL LAYOUT

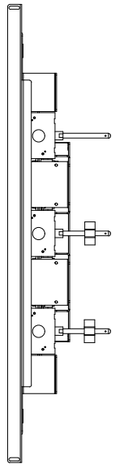
TOP VIEW



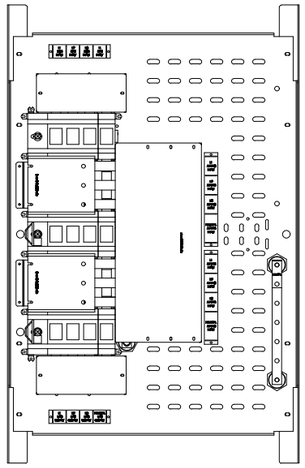
BOTTOM VIEW

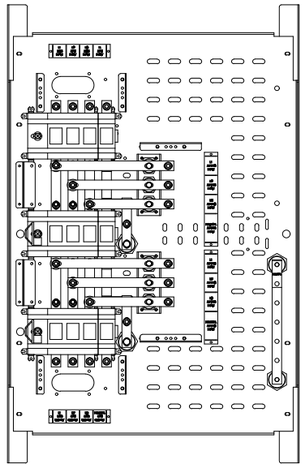


LEFT VIEW

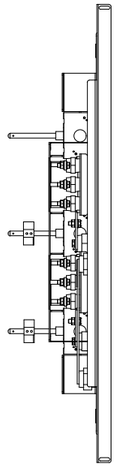


FRONT VIEW

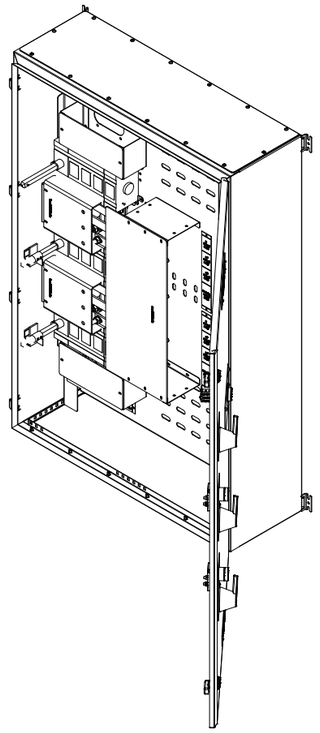




RIGHT VIEW



ISOMETRIC VIEW



ELECTRICAL CONNECTIONS:

1. MAINS AND LOAD – M10 BOLT
2. UPS IN AND OUT – M10 BOLT
3. EARTH CONNECTIONS: M10 BOLT
4. MAX CABLE SIZE. 150MM SWA

NOTE: SOME VIEWS DO NOT SHOW THE ENCLOSURE FOR CLARITY. ENCLOSURE IS SUPPLIED AS STANDARD!

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DOCUMENT NUMBER:	RBECAD00597	CREATION DATE:	13/08/2020
PAGE DESCRIPTION:	INTERNAL LAYOUT	REV DATE:	13/08/2020
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	R BARNES
PAGE TEMPLATE REF:	RBQS00078REV2	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	tbc–KG	SHEET NUMBER:	5 OF 5