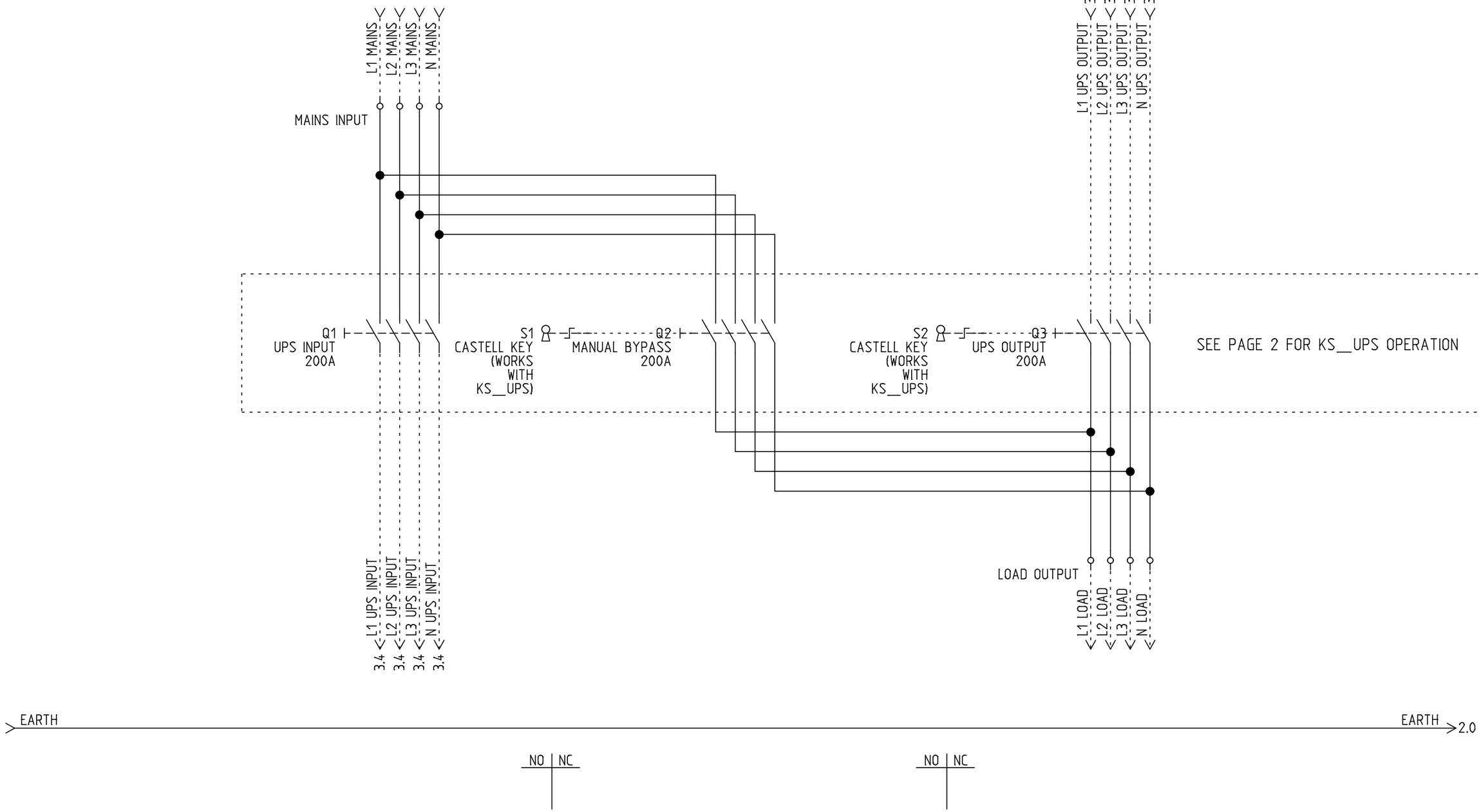
MAX PANEL SUPPLY PROTECTIVE DEVICE RATING:

200 AMPS



NOTES:

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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–200A–4P–ISO–KSUPS–KBOLT	REV NO:	2
DOCUMENT NUMBER:	RBECAD01101	CREATION DATE:	25/04/2016
PAGE DESCRIPTION:	MAIN SWITCHES	REV DATE:	01/03/2023
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	D WARD
PAGE TEMPLATE REF:	RBQS00075REV1	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	75KG	SHEET NUMBER:	1 OF 4

L1 MAINS INPUT

L1 MAINS INPUT

1) UPS UNIT IN NORMAL OPERATION INVERTER RUNNING

–K2 COIL DE–ENERGISED
–CASTELL KEY TRAPPED

2) UPS UNIT SWITCHED TO STATIC THROUGH DISPLAY

–K2 COIL ENERGISED
–K1 COIL ENERGISED
–CASTELL KEY CAN NOW BE TURNED

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 KS__UPS + TURNED.

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

UPS UNIT VOLT FREE CONTACT

K1
UPS VOLT FREE CONTACT
SET TO UPS ON STATIC ALARM

F1
2A

T1
230:24VAC

F2
2A

X2 1

K1
2.3

X2 2

K2
CASTELL KS–UPS COIL

S3
CASTELL INTERLOCK KEY
(TRAPPED UNTIL COIL K1 IS ENERGISED)

INTERLOCK AUXILLARIES
MUST BE CONNECTED TO UPS
MANUAL BYPASS SIGNAL INPUT
UPS ENGINEER WILL TERMINATE
UPS END OF CABLE

INTERLOCK AUX1 >3.3
INTERLOCK AUX2 >3.3
INTERLOCK AUX3 >
INTERLOCK AUX4 >

X3
INTERLOCK
KEY AUX
CONTACTS

S3
2.7

S3
2.7

NEUTRAL
EARTH
1.9

NEUTRAL
EARTH
3.5

NO	NC
2.5	

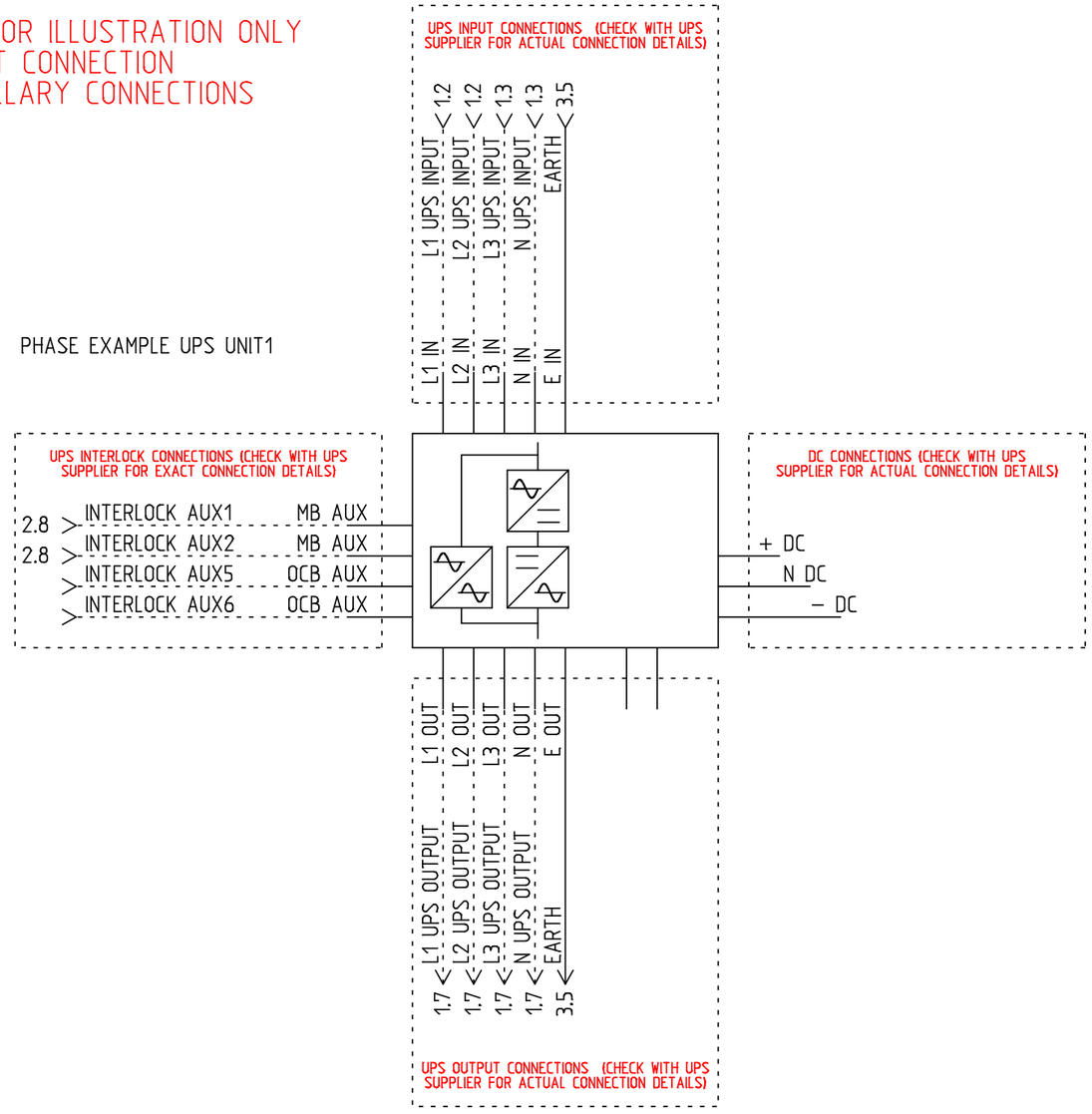
NO	NC

NO	NC
2.8	2.9

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PRODUCT REF:	RB1–K–EMBS–200A–4P–ISO–KSUPS–KBOLT	REV NO:	2
DOCUMENT NUMBER:	RBECAD01101	CREATION DATE:	21/05/2020
PAGE DESCRIPTION:	CASTELL ARRANGEMENT	REV DATE:	01/03/2023
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	D WARD
PAGE TEMPLATE REF:	RBQS00078REV2	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	75KG	SHEET NUMBER:	2 OF 4

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



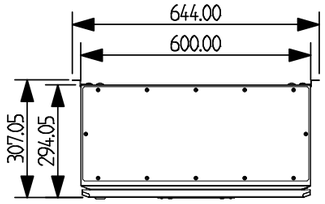
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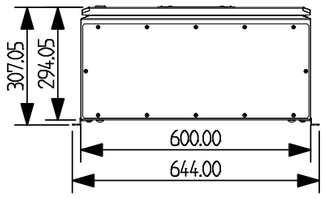
PRODUCT REF:	RB1–K–EMBS–200A–4P–ISO–KSUPS–KBOLT	REV NO:	2
DOCUMENT NUMBER:	RBECAD01101	CREATION DATE:	25/05/2016
PAGE DESCRIPTION:	UPS UNIT	REV DATE:	01/03/2023
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	D WARD
PAGE TEMPLATE REF:	RBQS00078REV2	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	75KG	SHEET NUMBER:	3 OF 4

ENCLOSURE LAYOUT

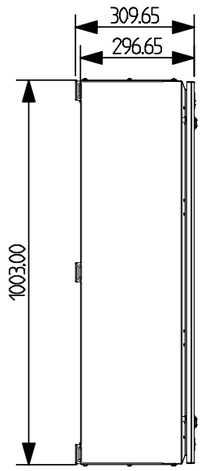
TOP VIEW



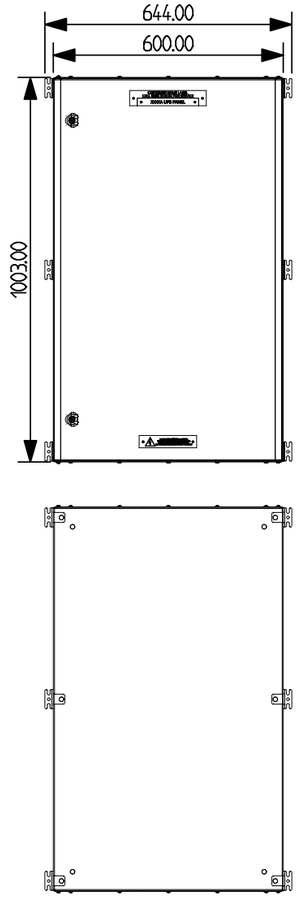
BOTTOM VIEW



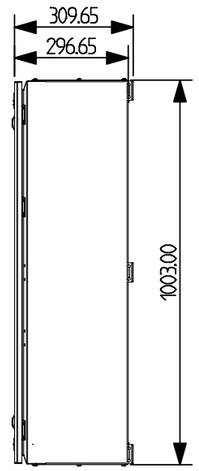
LEFT VIEW



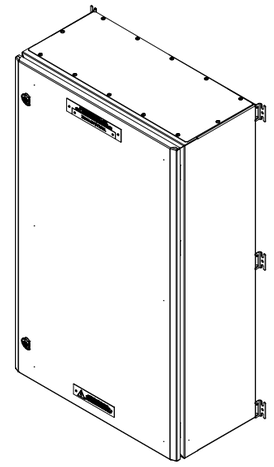
FRONT/REAR VIEW



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
3. CASTELL INTERLOCKING WILL BE MOUNTED THROUGH THE ENCLOSURE DOOR.

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PRODUCT REF:	RB1–K–EMBS–200A–4P–ISO–KSUPS–KBOLT	REV NO:	2
DOCUMENT NUMBER:	RBECAD01101	CREATION DATE:	25/04/2016
PAGE DESCRIPTION:	MECHANICAL LAYOUT	REV DATE:	01/03/2023
PROJECT NO:	SUBMITTAL DRAWING	DRAWN BY:	D WARD
PAGE TEMPLATE REF:	RBQS00078REV1	CHECKED BY:	L RICHARDSON
PRODUCT WEIGHT:	75KG	SHEET NUMBER:	4 OF 4