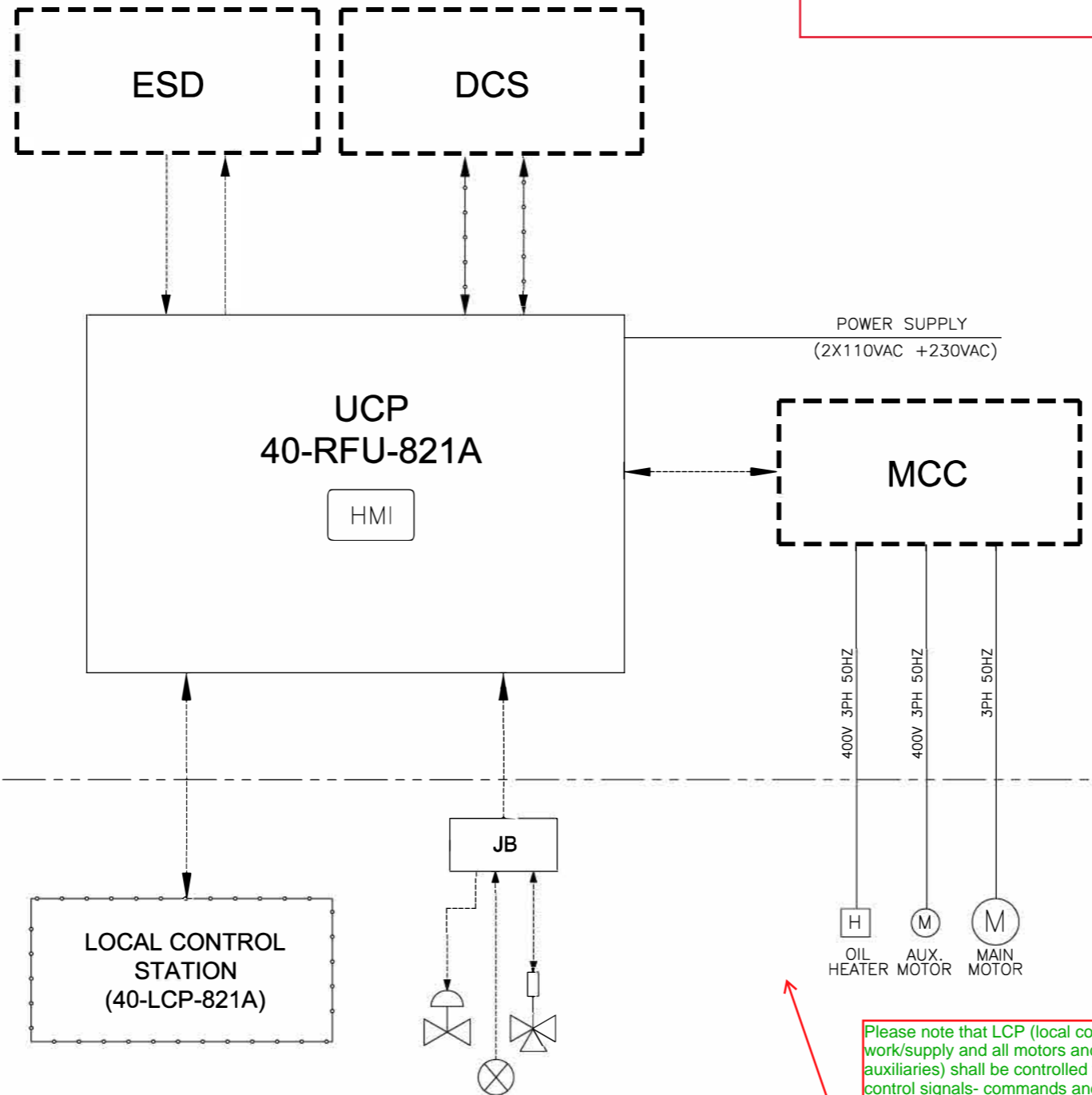


The PLC shall be based on proven and reliable technology satisfying TUV requirements and approvals for SIL-3 according to IEC-61511 or AK6 according to DIN V 19250.

For shutdown related signals, the IO card shall be fail safe, SIL3 and redundant.

Power supply, CPU and communication modules of PLC to be redundant.
For close control loop (If any), the redundant IO card, shall be considered.

One operator station (including PC, monitor, keyboard, mouse and relevant interconnection cables to PLC panel) shall be considered for installation in control room.



Please note that LCP (local control panel) is in vendor scope of work/supply and all motors and heaters (main motors and auxiliaries) shall be controlled via this Local Control Panel. All control signals- commands and indications will be sent from this vendor local control panel to the UCP and then will be transferred to MCC from UCP based on agreement between electrical and instrument department. Please confirm.

NOTE

REFERENCE DOCUMENTS DOC. NO.

LEGEND

- TRANSMITTER
- CONTROL VALVE
- SOLENOID VALVE
- HARDWIRE SIGNALS
- MODBUS TCP/IP (ETHERNET CABLE)

EQUIPMENT LIST

00	13-AUG-22	FOR APPROVAL	H.K.	M.O.	A.M.	A.M.
REV.	DATE	POI	PREP. BY	CHKD. BY	APPD. BY	AUTH. BY

Contract No. SMC-11-12/204 SCALE: N.T.S.

DRAWING TITLE: CONTROL SYSTEM BLOCK DIAGRAM

DRAWING NO.	Class	REV.	SHEET No.	SIZE
		1 00	1 OF 1	A3