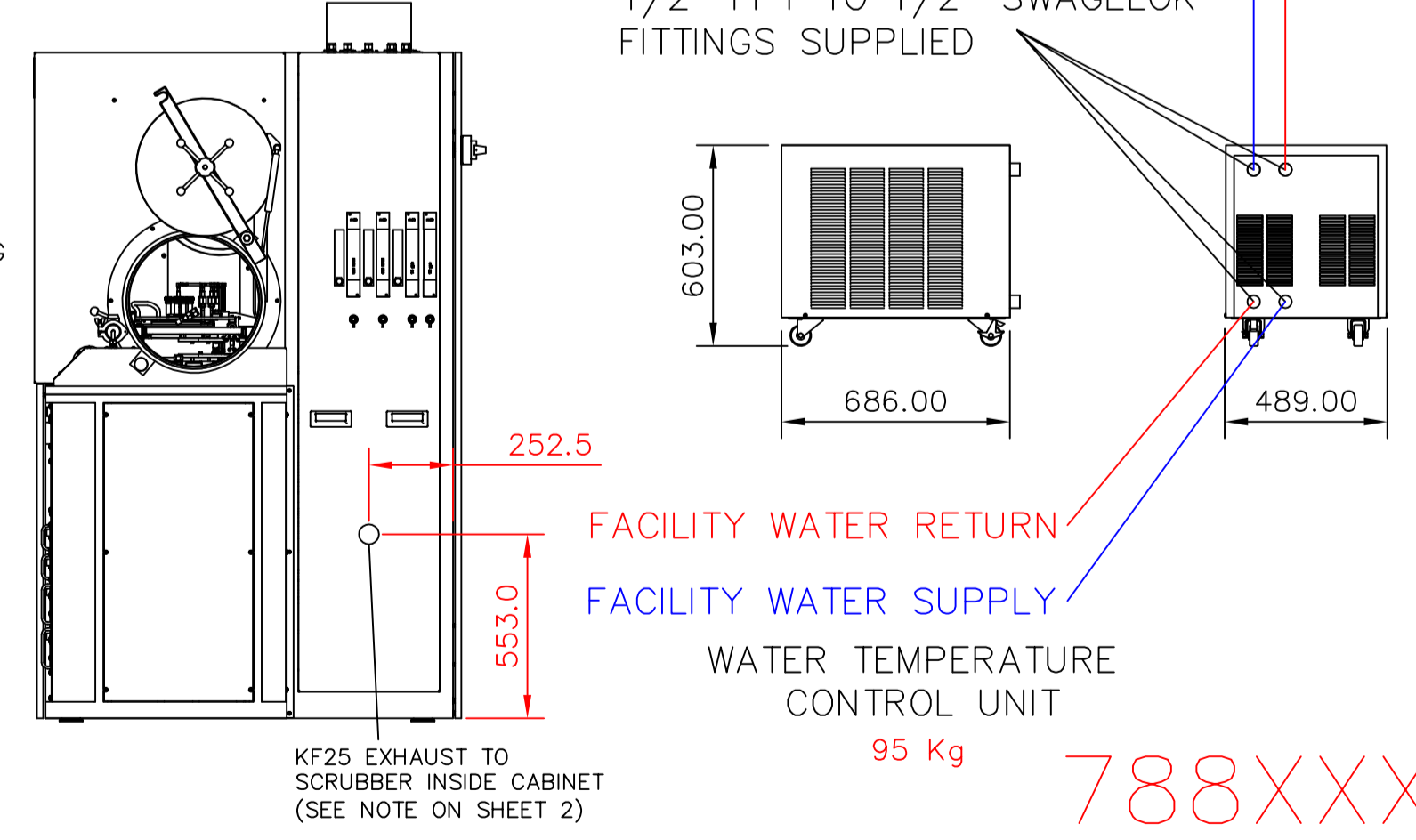
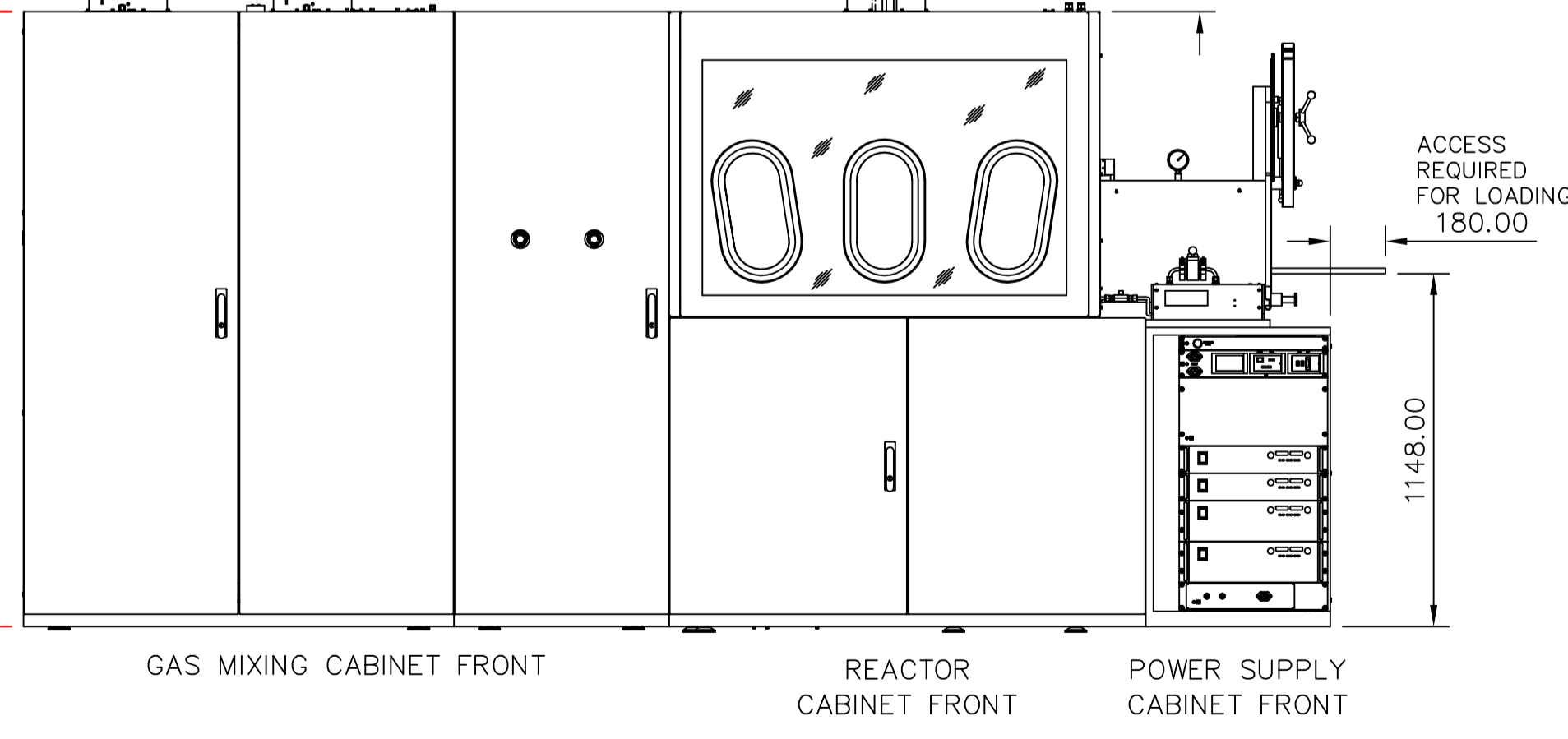
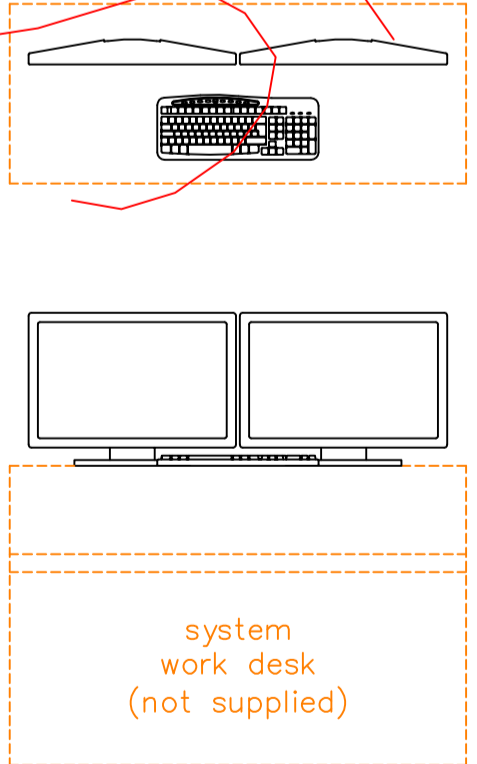
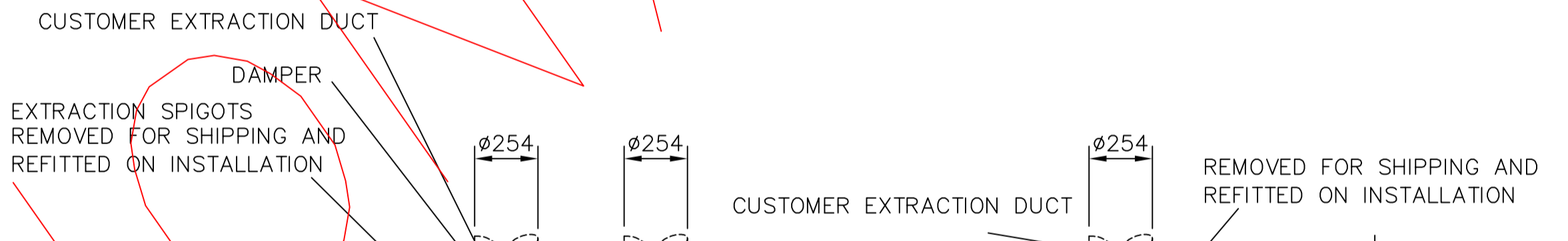
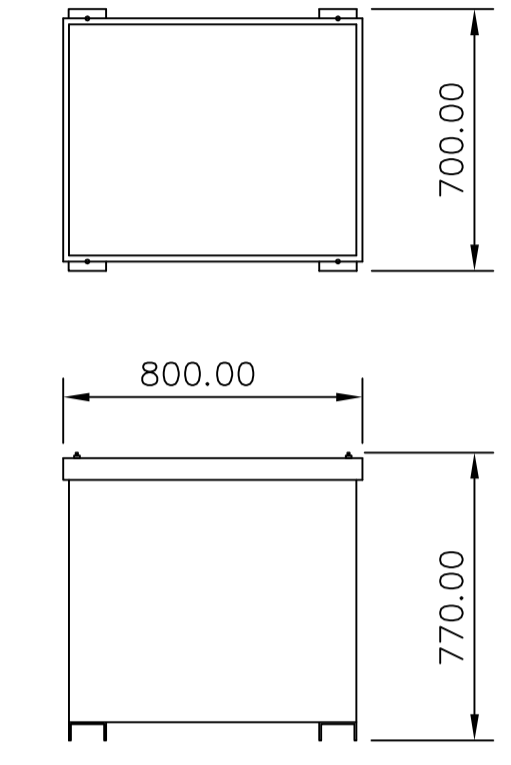
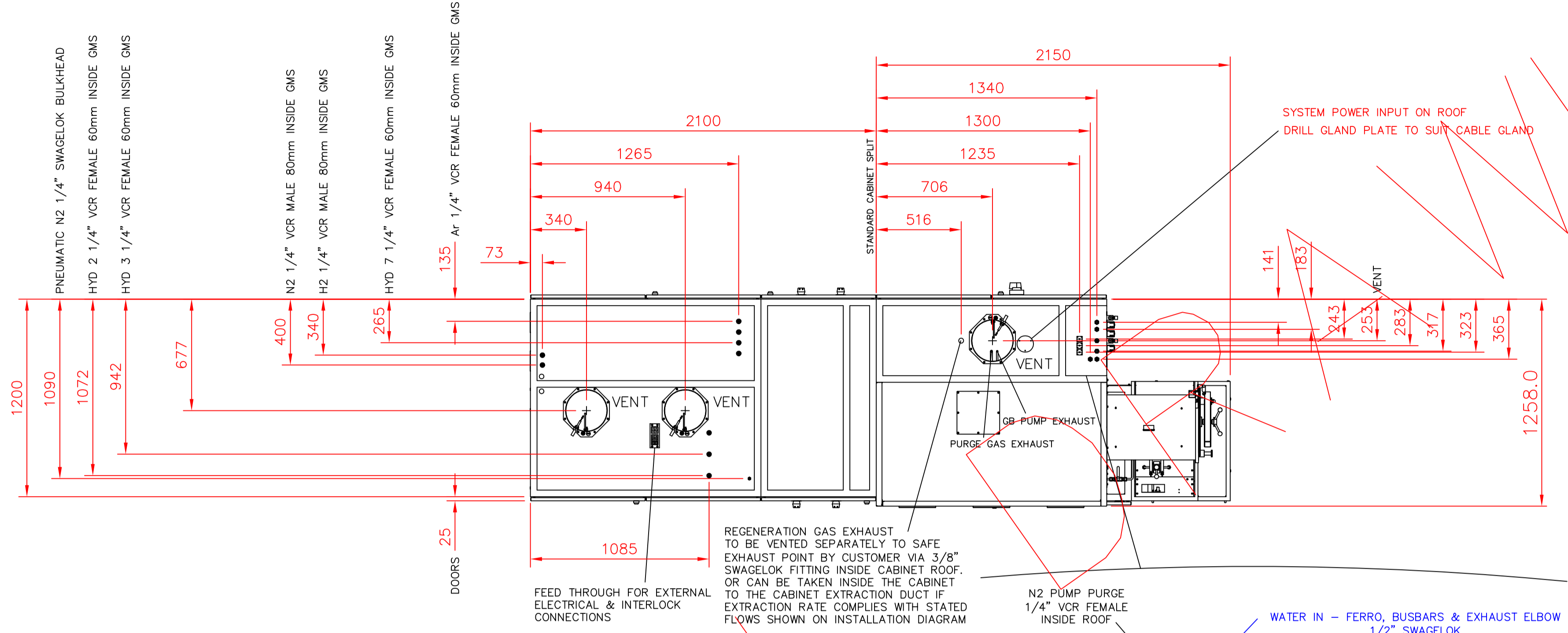


Ver.	Change No.	Description	Approved Date	Changed/Approved
1	-	ISSUED FOR REVIEW	XX-XX-XX	C/A

MACHINE SERVICE REQUIREMENTS ( 3 X 2 )		
ELECTRICAL SUPPLY TO TRANSFORMER	208V +/-10% 60Hz, 3PNE	
ELECTRICAL SUPPLY FROM TRANSFORMER	FIVE WIRE 3 PHASE WITH NEUTRAL AND EARTH 400V +/- 10% 100 Hz 60	
ELECTRICAL SUPPLY TO HEAT EXCHANGER	208-230V 60Hz 13.7A	
PNEUMATIC N2	90 P.S.I. THROUGH 1/4" SWAGELOK BULKHEAD FITTING	
GAS SUPPLY	Psi MAX FLOW	
SYSTEM HYDROGEN	90 * 40 Slm (SUBJECT TO GMS CONFIG)	
SYSTEM NITROGEN	90 * 50 Slm (SUBJECT TO GMS CONFIG)	
SYSTEM ARGON	90 * 50 Slm (SUBJECT TO GMS CONFIG)	
GLOVE BOX NITROGEN	87 200 Slm	
SEPARATE SUPPLY PURITY >3.8N OR BETTER	87 200 Slm	
NITROGEN SUPPLY EBARA PUMP >3.8N	30 11 - 13 Slm	
WATER SUPPLY BUSBARS FEEDTHROUGH	SEE DRAWING A1-58755C	
WATER SUPPLY SHOWERHEAD CHAMBER	SEE DRAWING A1-58755C	
WATER SUPPLY EBARA PUMP	SEE DRAWING A1-58755C	
GLOVE BOX FORMING GAS 5% H2 95% N2	4.3 - 5.8psi	3500L each regen
HYD 1-1 Ar	SYSTEM Ar INPUT	
HYD 2-3 H2	30	* 100sccm
HYD 3-2 CH4	30	* 100sccm
HYD 7 H2S	30	* 500sccm
MO2 B3H6N3		* 200sccm
MO4 Mo(CO)6		* 200sccm
MO8 W(CO)6		* 200sccm
MO9 DTBS		* 200sccm
MO10 DTBSe		* 200sccm
* PLEASE NOTE ALL FLOWS SHOWN ARE MAX CAPACITY ACTUAL FLOWS AND CONSUMPTION WILL BE PROCESS DEPENDENT		
EXTRACT AIR	CONTROL CABINET INLET - 1360m <sup>3</sup> /h FROM ROOM EXTRACT - 2x 680m <sup>3</sup> /h DUCTS (SEE NOTE 1)	
	REACTOR CABINET INLET - 1275m <sup>3</sup> /h FROM ROOM EXTRACT - 1x 1275m <sup>3</sup> /h DUCT (SEE NOTE 1)	
NOTE 1	EXTRACT SYSTEM MUST HAVE A MINIMUM OF 1" WATER GAUGE EXTRACT PRESSURE. AN ADJUSTABLE DAMPER MUST BE PROVIDED FOR EACH EXTRACT DUCT.	



Created by JED	Third angle projection ISO 128	Material	General tolerances according to ISO 2768 - 1 H (unless otherwise stated)
Approved by TW	All dimensions are in mm (unless otherwise stated)	Finish	General surface texture: ISO 1302 (unless otherwise stated) Ra 3.2
Date 02-06-20	Scale 1:20	Size A1	Material No. XXXXXXXXXX
Title INSTALLATION DIAGRAM		Document Status Sheet RELEASED 1/2	Document No. 3x2 CCS 2D 1

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