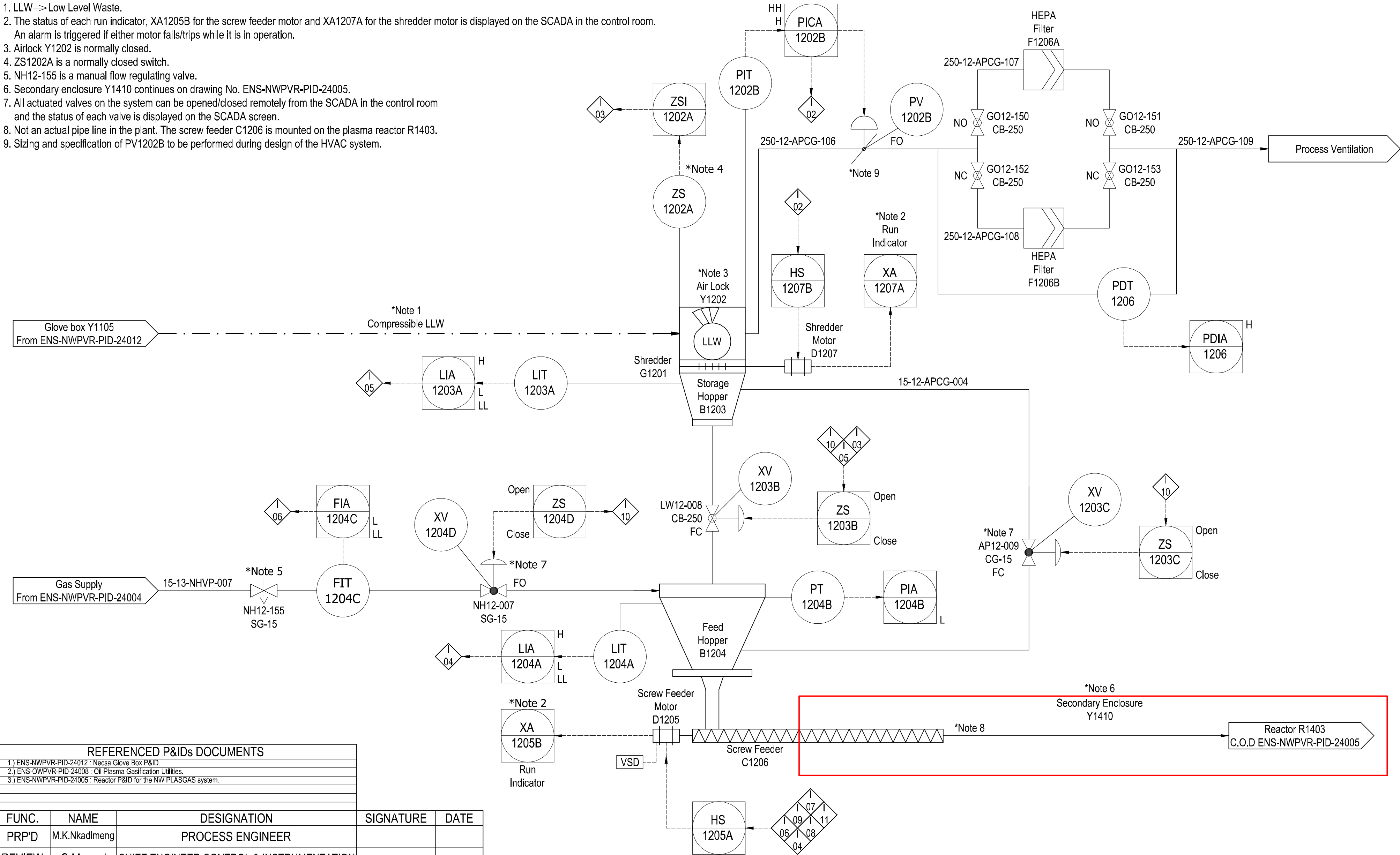


- NOTES:
1. LLW → Low Level Waste.
 2. The status of each run indicator, XA1205B for the screw feeder motor and XA1207A for the shredder motor is displayed on the SCADA in the control room.
An alarm is triggered if either motor fails/trips while it is in operation.
 3. Airlock Y1202 is normally closed.
 4. ZS1202A is a normally closed switch.
 5. NH12-155 is a manual flow regulating valve.
 6. Secondary enclosure Y1410 continues on drawing No. ENS-NWPVR-PID-24005.
 7. All actuated valves on the system can be opened/closed remotely from the SCADA in the control room and the status of each valve is displayed on the SCADA screen.
 8. Not an actual pipe line in the plant. The screw feeder C1206 is mounted on the plasma reactor R1403.
 9. Sizing and specification of PV1202B to be performed during design of the HVAC system.



REFERENCED P&IDs DOCUMENTS				
1.)	ENS-NWPVR-PID-24012	Necsa Glove Box P&ID.		
2.)	ENS-NWPVR-PID-24008	Oil Plasma Gasification Utilities.		
3.)	ENS-NWPVR-PID-24005	Reactor P&ID for the NW PLASGAS system.		

FUNC.	NAME	DESIGNATION	SIGNATURE	DATE
PRP'D	M.K.Nkadameng	PROCESS ENGINEER		
REVIEW	G.Manuel	CHIEF ENGINEER CONTROL & INSTRUMENTATION		
REVIEW	S.Mngoma	CHIEF MECHANICAL ENGINEER		
REVIEW	W.vd Berg	CHIEF ELECTRICAL ENGINEER		
REVIEW	M.Correia	SENIOR PROCESS ENGINEER		
APPR'D	K.Moodley	CHIEF PROCESS ENGINEER		

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	0.2	Changes As Per ENS-NWPVR-ECP-24008	PSM	15/03/2024
	0.3	Air Lock Negative Pressure (ECP11)	B.M.K	20/03/2024
	0.4	Changes As Per ENS-NWPVR-ECP-24006	L.D	14/06/2024
	1.0	First Issue	P.S.M	14/01/2025
	2.0	Second Issue. Airlock Y1202 exhaust line size update.	M.K.N	15/05/2025

	PROJECT	NW PLASGAS			DESTROY ALL PREVIOUS PRINTS  REVISION
	TITLE	P&ID DIAGRAM			
	NW PLASGAS DEMONSTRATION PLANT SUBSYSTEM 12				
SCALE - NTS	DRG.No.	ENS-NWPVR-PID-24006			
UNITS - N/A	SHEET	1 OF 1	TEAMCENTRE No.	-	

ENS-NWPVR-PID-24006