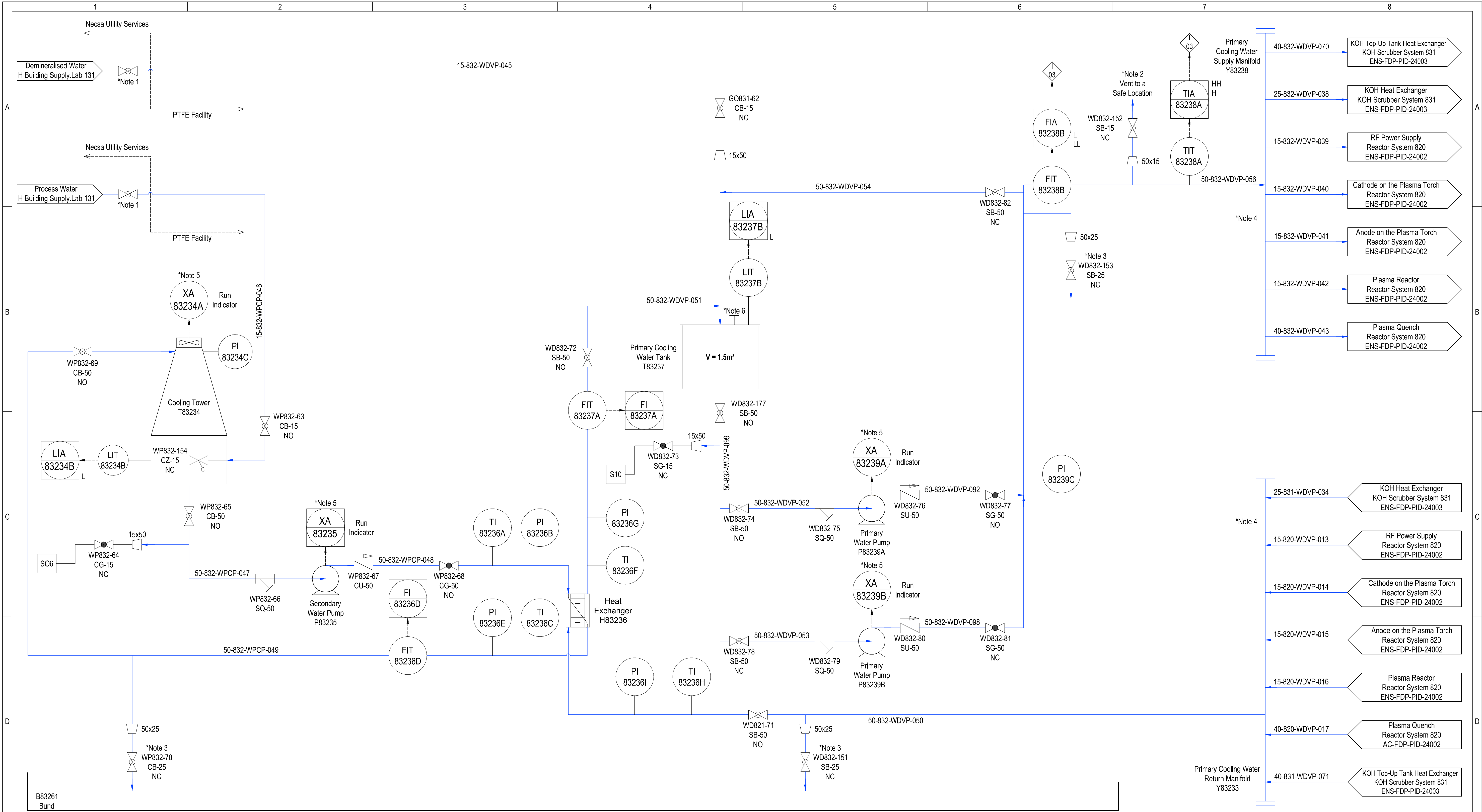




REFERENCED P&IDs & DOCUMENTS	
1.)	ENS-FDP-PID-24002 - Reactor System 820
2.)	ENS-FDP-PID-24003 - KOH Scrubber System 831

FUNC.	NAME	DESIGNATION	SIGNATURE
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CHK'D	M.Mashaya	Process Engineer	
CHK'D	M.Correia	Senior Process Engineer	
CHK'D	S.Mngoma	Chief Mechanical Engineer	
CHK'D	G.Manuel	Chief Engineer Control & Instrumentation	
CHK'D	W.van den Berg	Chief Electrical Engineer	
APPR'D	K.Moodley	Chief Process Engineer	

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REV	DESCRIPTION	PRP'D	DATE
1.0	First revision - Detail design	N.M	27/08/2024
2.0	Second revision - Updated pressure indicator PI83234 to PI83234C	N.M	30/09/2024
3.0	Third revision - Updated flow indicators FI83236D and FI83237A to flow indicator transmitters	N.M	22/10/2024
4.0	Fourth revision - Addressing outstanding HAZOP3 recommendations	N.M	24/03/2025
5.0	Fifth revision - Added note 6, fixed level indicator transmitters LIT83234B and LIT83237B connections to the equipment	N.M	01/09/2025


SCALE - NTS UNITS - N/A

PROJECT	PTFE FILTER DESTRUCTION PROJECT	
TITLE	P&ID DIAGRAM	
DRG.No.	ENS-FDP-PID-24004	
SHEET	1 OF 1	TEAMCENTRE No. -

DESTROY ALL PREVIOUS PRINTS

REVISION

- NOTES:
- These valves form part of the Necsa Utility Service P&ID.
 - A high-point vent is provided in the closed cooling loop to remove air during start-up. Exact location of vent line and safe discharge point to be defined once the system layout and routing of piping is established.
 - Low-point drains are provided for removal of liquid from closed cooling loops during shutdown/maintenance. Exact location of drain valve and safe discharge point to be defined once the system layout and routing of piping is established. All pipelines to slope with a fall of 1:60 towards the corresponding low-point drain.
 - Primary cooling water supply and return manifolds Y83238 and Y83233 will each have a 50NB size.
 - The status of run indicator XA83234, XA83235 and XA83239A&B are displayed on SCADA screen in the control room.
 - Loose fitting lid for easy maintainability (MANWAY)

ENS-FDP-PID-24004