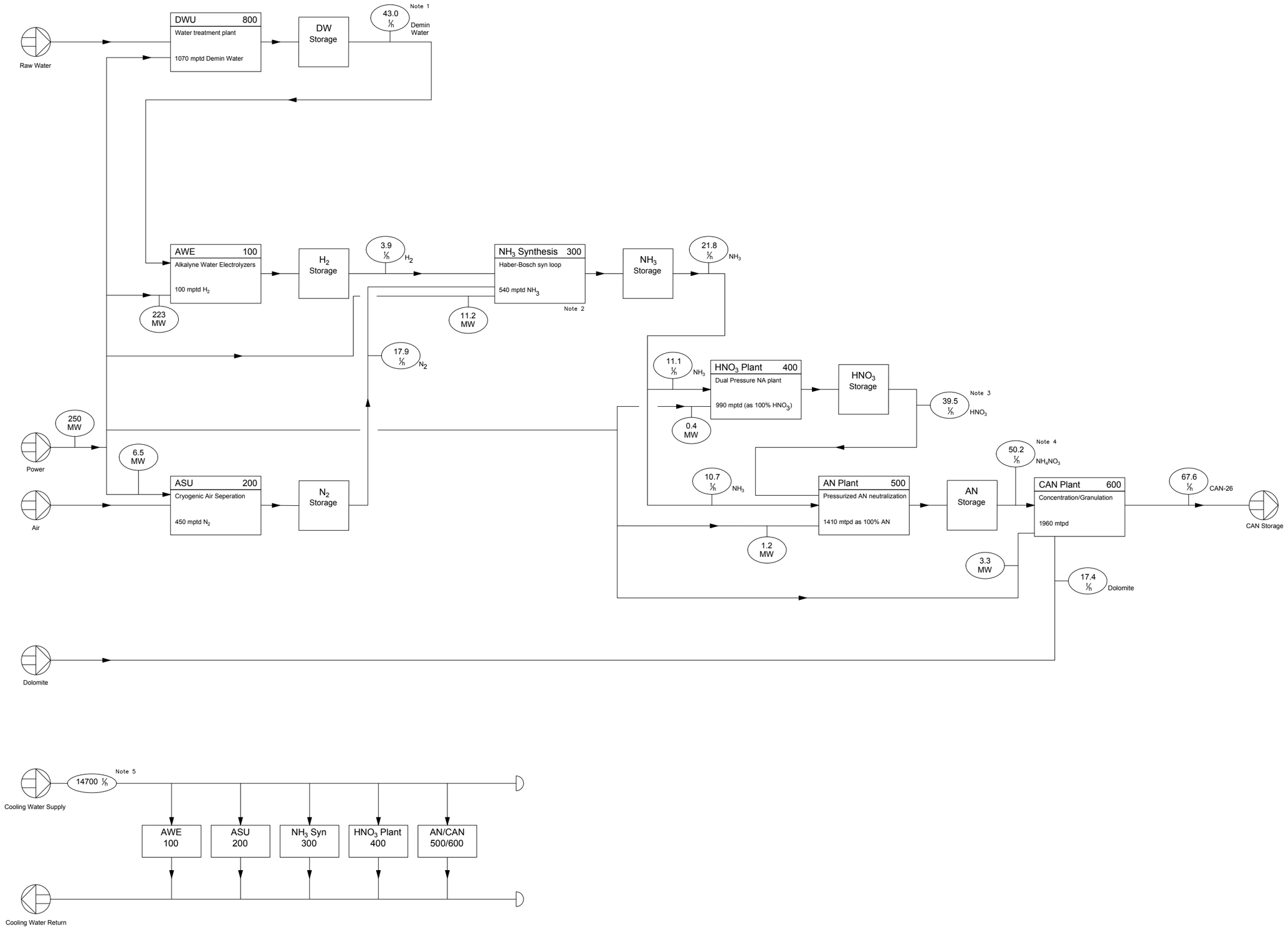

NOTES:

1. Demin water for Hydrogen production excluding make up for utilitiese.g. cooling water and boiler feedwater make-up.
2. Steam produced in the ammonia synthesis loop and the nitric acid plant is internally to drive roting the compressors..
3. Flow in tons of 100% HNO_3, typically in a 58-63 %wt solution.
4. Flow in tons of 100% NH_4NO_3.
5. Cooling water Consumption at $\Delta T=10^0C$.
6. NPC is based on design capacity incorporating typical on stream factors for the sections to ensure the yearly design capacity of CAN-26.

LEGEND

AN	Ammonium Nitrate
ASU	Air Seperation Unit
AWE	Alkaline Water Electroyizers
CAN	Calcium Ammonium Nitrate
CW	Cooling Water
DWU	Demin Water Unit
NA	Nitric Acid
NPC	Name Plate Capacity

Section	id
Technology	
Installed NPC	Note 6

	BY	DATE			BY	DATE
APPR			CLIENT	APPR		
CHKD				APPR		
DRAWN				APPR		
DSGND				APPR		

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LEON POSTMA process engineering

PROJECT: Reference green CAN

TITLE: GREEN CAN-26
250 MW / 1960 MTPD
BLOCK FLOW DIAGRAM

SCALE: SCALE | JOB NO. JOB NO | AREA: Area

DRAWING NO.

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
0	First Issue	LPO			June 2025

REVISIONS

Filename: FILENAME.DWG