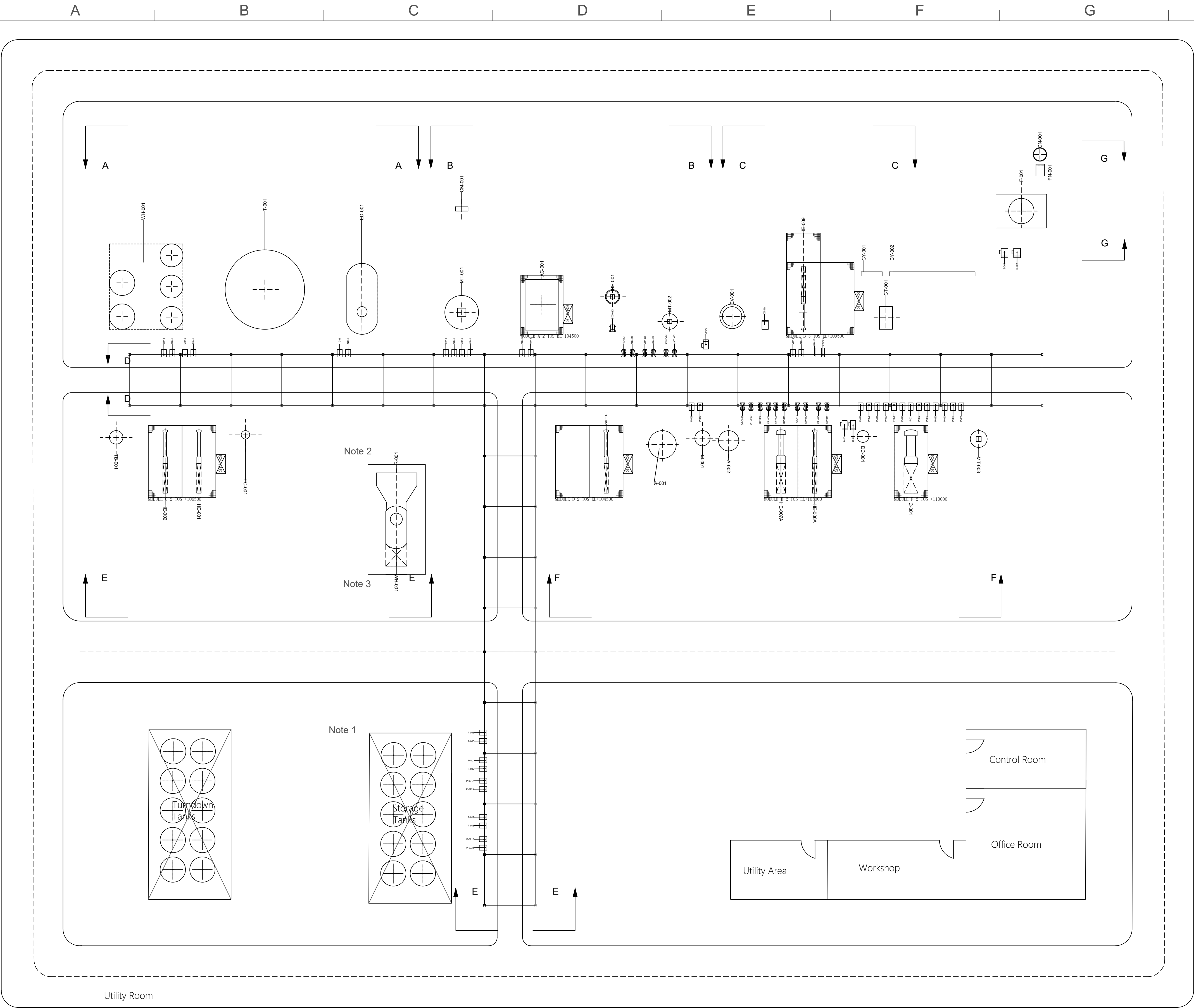
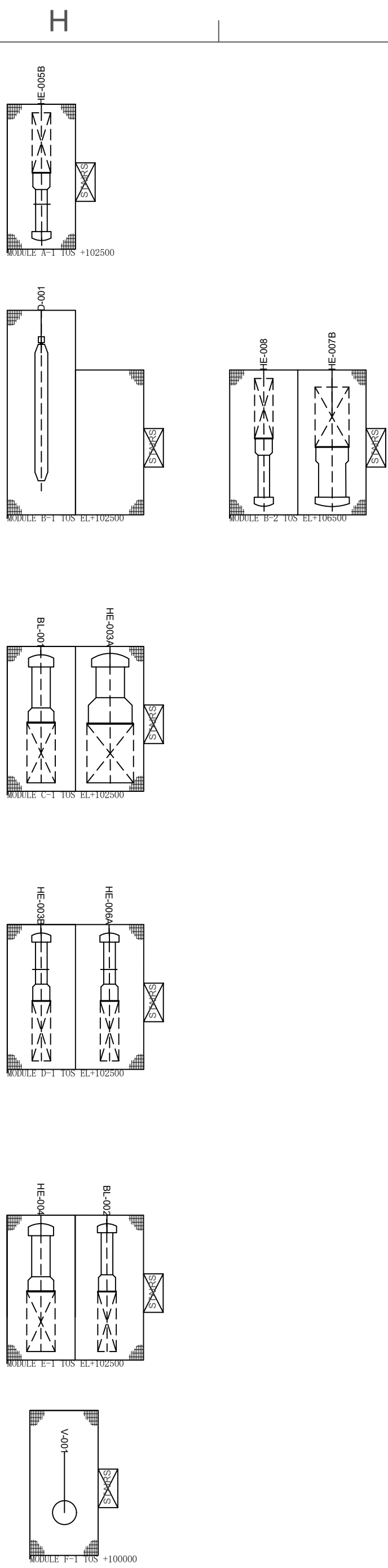


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ITEM NUMBER	DESCRIPTION	ITEM NUMBER	DESCRIPTION	ITEM NUMBER	DESCRIPTION	ITEM NUMBER	DESCRIPTION	ITEM NUMBER	DESCRIPTION	ITEM NUMBER	DESCRIPTION
WH-001	Process water treatment	AC-001	Air-cooler Condenser	FN-002	Vapor fan	FN-002	Vapor fan	BL-002	Reboiler	CY-001~CY-002	Conveyor
T-001	Process water tank	BE-001	H ₂ SO ₄ Diluter	TB-001	Natural gas expansion	M-001	Process water mixer	V-001	Condensate storage tank		
ED-001	External deaeration	EV-001	AMS Crystallizer	FC-001	Natural gas purification	DC-001	HCN distillation column	P-001~P-040	Centrifugal pump		
CM-001	Coolant compressor	CT-001	AMS centrifuge	R-001	Main reactor	C-001	HCN Condenser	DP-001~DP-016	Diaphragm pump		
MT-001	Coolant mixing tank	F-001	Reactants pre-heater	WH-001	Waste heat boiler	TB-001	Natural gas expansion	HE-001~HE-009	Heat exchanger		
MT-002	pH adjuster	CN-001	Exhaust gas chimney	A-001	NH ₃ absorber	D-001	AMS Dryer	B-001~B-006	Blower		
MT-003	Wastewater reactor	FN-001	Flue gas fan	A-002	HCN absorber	BL-001	NH ₃ vaporizer	SP-001~SP-002	AMS Screw pump		

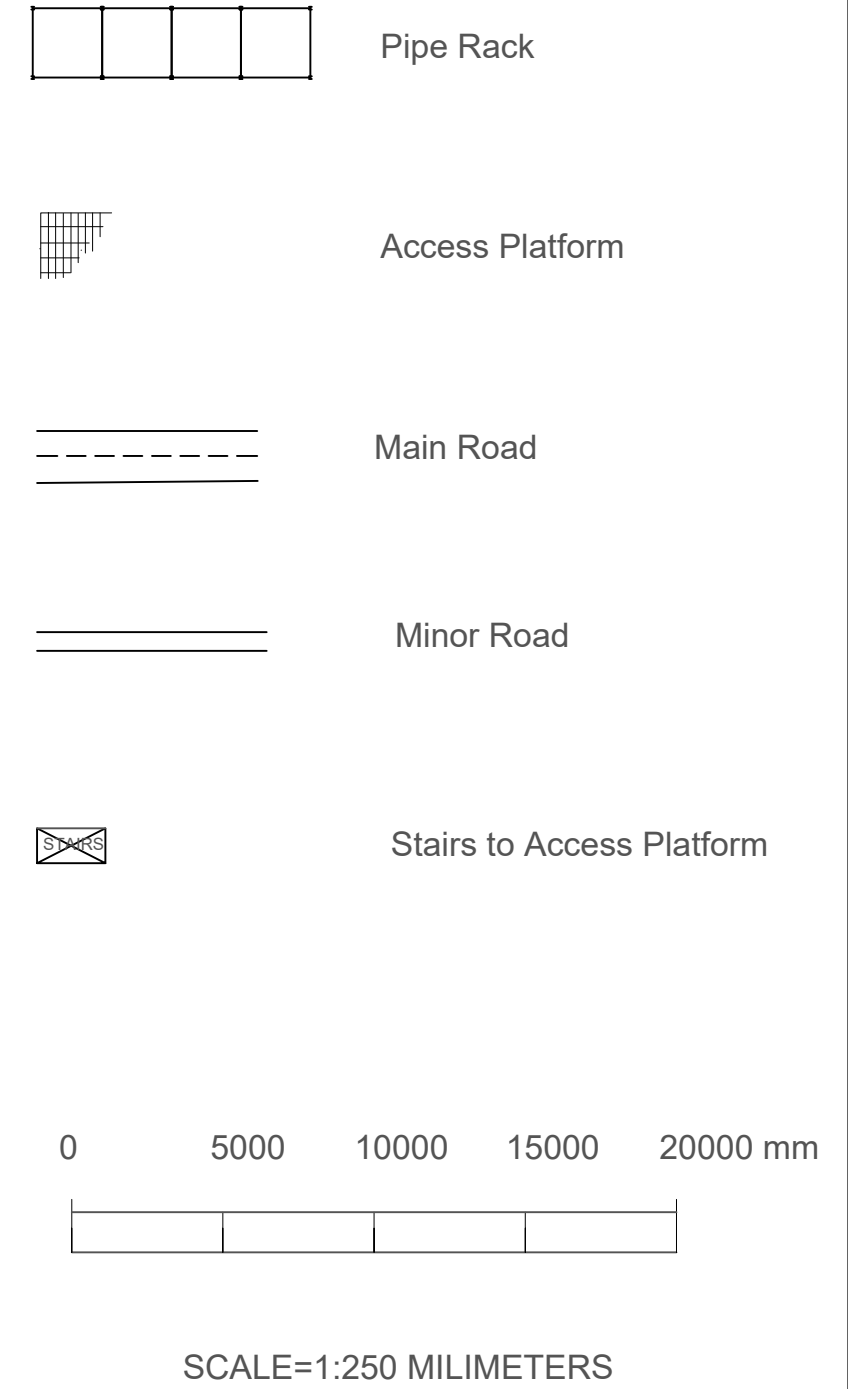


NOTES

Note 1: This area is designed for turndown tanks and storage tanks, the real size for tanks should be defined by others.

Note 2: Fire wall is designed around the R-001 due to safety reason, the detailed should be defined by others.

Note 2: R-001 and WH-001 are connected together.



C	Final improvement	HYC	04/27/2022	YKW	04/26/2022
B	Detailed design	HYC	04/20/2022	ZYC	04/24/2022
A	Basic process design	HYC	04/18/2022	ZYC	04/19/2022
REV	DESCRIPTION	DRAWN BY	DATE	APPROVED	DATE
UNIVERSITY OF NOTTINGHAM Ningbo, CHINA					
DRAWING TYPE & DESCRIPTION. Plant Layout Plan Vertical View for Hydrogen Cyanide and AMS Plant Replacement		DRAWN BY:	HYC	DATE:	04/18/2022
PROJECT TITLE Hydrogen Cyanide Plant		CHECKED BY:	YKW	DATE:	04/26/2022
		APPROVED BY:	ZYC	DATE:	04/19/2022
		DRAWING No:	Plot Plan 01		
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		DRAWING SCALE:	1:250		