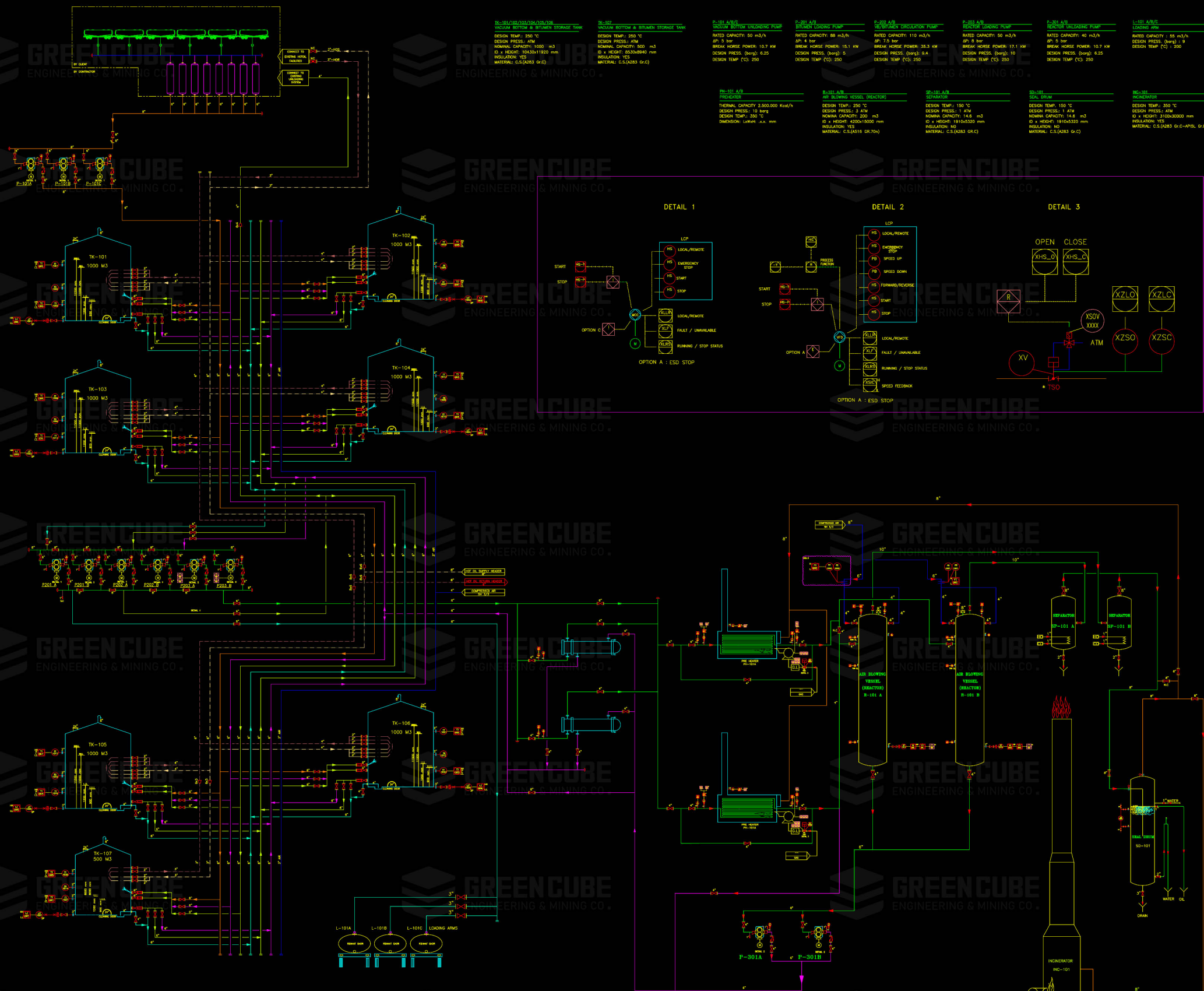




LEGEND

- GATE VALVE
- GLOBE VALVE
- EXPANSION JOINT
- STRAINER
- CHECK VALVE
- BALL VALVE
- CAP
- CON. REDUCER
- ECC. REDUCER
- SPECTACLE BLIND
- FLANGE
- PRESSURE GAGE
- S.C SAMPLE CONNECTION
- N.C NORMALLY CLOSE
- N.O NORMALLY OPEN
- TG TEMPERATURE GAGE
- PG PRESSURE GAGE
- TT TEMPERATURE TRANSMITTER
- PT PRESSURE TRANSMITTER
- LT LEVEL TRANSMITTER
- LG LEVEL GAUGE
- FT FLOW TRANSMITTER
- FE FLOW ELEMENT (ORIFICE)
- LI LEVEL INDICATOR
- TI TEMPERATURE INDICATOR
- PI PRESSURE INDICATOR
- FI FLOW INDICATOR

SIGNALS & TUBING		
CODE NO.	SYMBOL	DESCRIPTION
1		INSTRUMENT SUPPLY OR CONNECTION TO PROCESS
2		UNDEFINED SIGNAL
3		PNEUMATIC SIGNAL
4		ELECTRICAL SIGNAL
5		HYDRAULIC SIGNAL
6		CAPILLARY TUBE
7		INTERNAL SYSTEM LINK (SOFTWARE OR DATA LINK)
8		FIELD MOUNTED INSTRUMENT
9		MEASURE OR SIGNAL DISPLAYED ON PLC
10		INTERLOCK

REV.	DESCRIPTION	PREP.	CHK.	APP.	DATE
01	ISSUED FOR REVIEW	A.J	H.A	A.M	17.Jun.2026
00	ISSUED FOR REVIEW	A.J	H.A	A.M	26.Apr.2026

CLIENT: **Tarazbitum**
BITUMEN PRODUCTION

CONTRACTOR: **GREENCUBE IDEA**
ENGINEERING & MINING CO

PROJECT: **TARAZ**
BITUMEN PLANT

DRAWING TITLE: **PIPING & INSTRUMENT DIAGRAM**

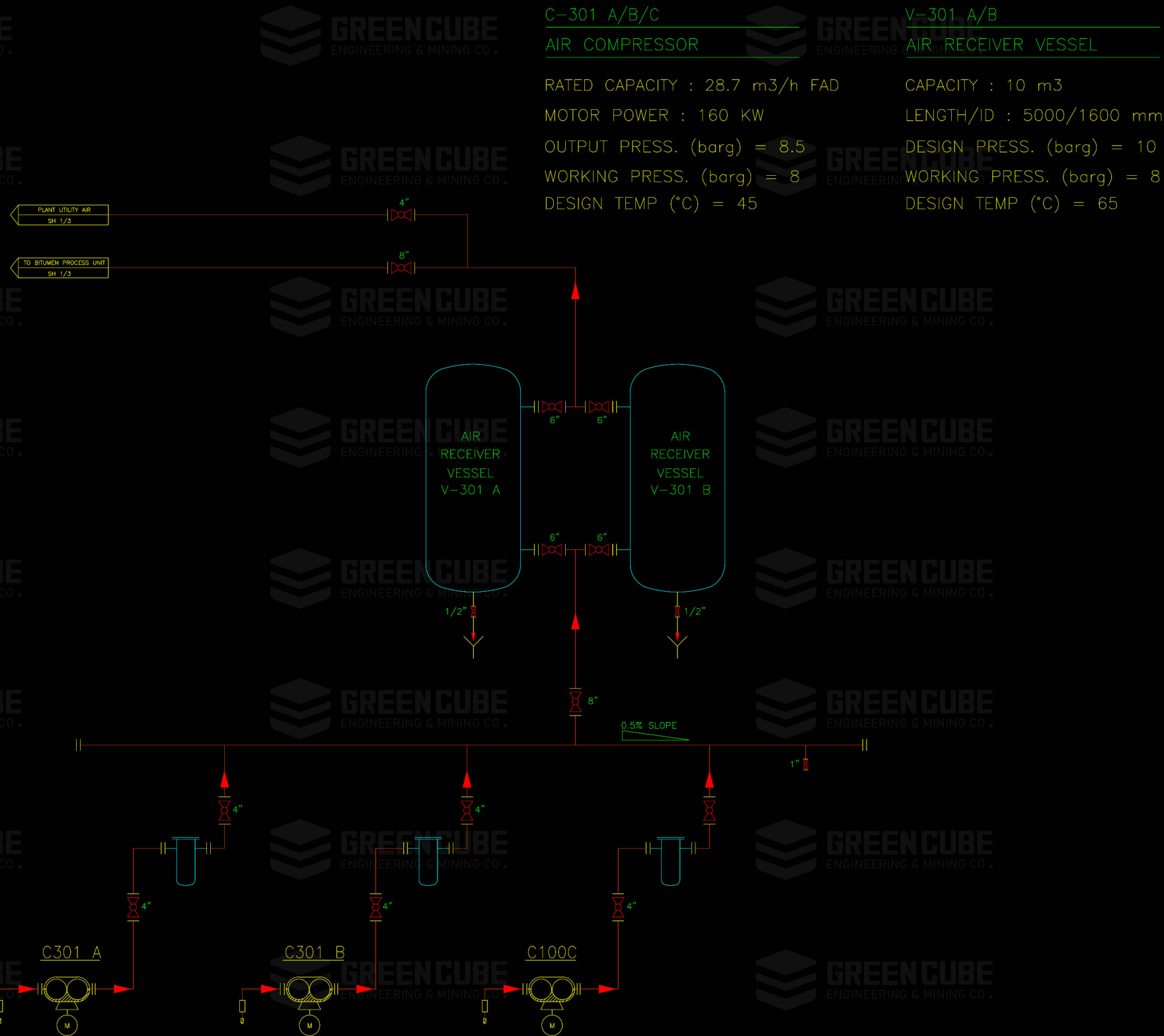
SCALE	SIZE	DOCUMENT NUMBER	SHEET	REV.
NTS	A3	TRZ-PR-DI-003	1 OF 1	01

RATED CAPACITY : 140 m³/h
 ΔP : 6 bar
 HYDRAULIC POWER : 75 kW
 DESIGN PRESS. (barg) = 8
 DESIGN TEMP (°C) = 320

CLIENT:  Tarazbitum
BITUMEN PRODUCTION

PROJECT: LEERING & MINING CO .
TARAZ
BITUMEN PLANT

SCALE	SIZE	DOCUMENT NUMBER	SHEET	REV.
NTS	A3	TRZ-PR-DI-003	1 OF 1	01



LEGEND

GREENCUBE
ENGINEERING & MINING CO.

GREENCUBE
ENGINEERING & MINING CO.

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ENGINEERING & MINING CO.

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ENGINEERING & MINING CO.

01	ISSUED FOR REVIEW	A.J	H.A	A.M	17.Jun.2026
00	ISSUED FOR REVIEW	A.J	H.A	A.M	26.Apr.2026
REV.	DESCRIPTION	PREP.	CHK.	APP.	DATE

CLIENT:
Tarazbitum
BITUMEN PRODUCTION

CONTRACTOR:
GREENCUBE
ENGINEERING & MINING CO

PROJECT:
TARAZ
BITUMEN PLANT

DRAWING TITLE:
PIPING & INSTRUMENT DIAGRAM
(COMPRESSED AIR)

SCALE	SIZE	DOCUMENT NUMBER	SHEET	REV.
NTS	A3	TRZ-PR-DI-003	1 OF 1	01