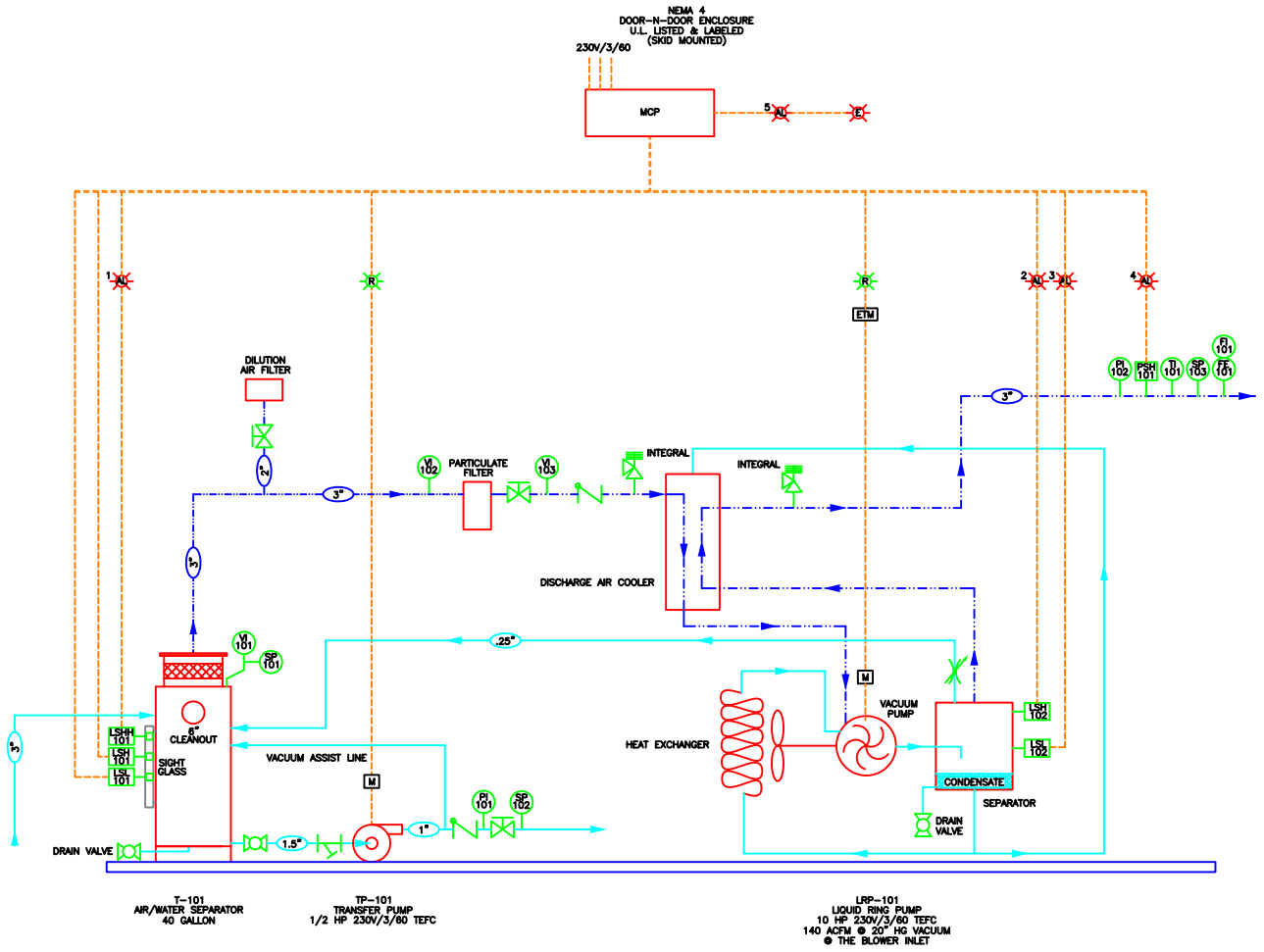

LEGEND

ETM	ELAPSED TIME METER
FE	FLOW ELEMENT
FI	FLOW INDICATOR
LSH	LEVEL SWITCH HIGH
LSHH	LEVEL SWITCH HIGH HIGH
LSL	LEVEL SWITCH LOW
M	MOTOR
MCP	MASTER CONTROL PANEL
PI	PRESSURE INDICATOR
PSH	PRESSURE SWITCH HIGH
SP	SAMPLE PORT
TI	TEMPERATURE INDICATOR
VI	VACUUM INDICATOR
	WYE STRAINER
	RELIEF VALVE
	BALL VALVE
	CHECK VALVE
	GATE VALVE
	NEEDLE VALVE
AL	ALARM LIGHT
R	RUN LIGHT
E	EMERGENCY STOP
	AIR LINE
	CONTROL LINE
	WATER LINE

ALARMS

1. AIR/WATER SEPARATOR HIGH HIGH LEVEL
2. LRP WATER HIGH LEVEL
3. LRP WATER LOW LEVEL
4. LRP HIGH PRESSURE
5. EMERGENCY STOP

INTERLOCK SCHEDULE

DESIGNATION	FUNCTION
LSHH-101	LRP-101 OFF
LSH/LSL-101	TP-101 ON/OFF
LSH-102	LRP-101 OFF
LSL-102	LRP-101 OFF
PSH-101	LRP-101 OFF
E-STOP	ALL OFF IMMEDIATE
NOTES	

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BISCO Environmental
Soil & Groundwater Remediation Equipment
Randolph, Massachusetts 02368

TITLE: DUAL PHASE EXTRACTION SYSTEM
PROCESS & INSTRUMENTATION DIAGRAM

DRWN BY: DRF	DATE: 4/17/06		
CHK BY: JAD	DATE: 4/18/06	BISCO ENVIRONMENTAL DUAL PHASE RENTAL UNIT	JOB NO. RN10056
APPR BY: EFT	DATE: 4/25/06	SCALE: N/A / SIZE: C / DWG NO. RN10056ETP	SHEET 1 OF 1 / REV

REV.	DESCRIPTION	DATE	APPR.
	REVISIONS		