



LEGEND

A	AMP METER
ENI	EMPTY TIME METER
FI	FLOW INDICATOR
FT	FLOW INDICATING TRANSMITTER
FSL	FLOW SWITCH LOW
LSH	LEVEL SWITCH HIGH
LSH	LEVEL SWITCH HIGH HIGH
LSL	LEVEL SWITCH LOW
LSL	LEVEL SWITCH LOW LOW
LTH	LEVEL TRANSMITTER HIGH HIGH
LTL	LEVEL TRANSMITTER LOW LOW
M	MOTOR
MCP	MASTER CONTROL PANEL
MOV	MOTOR OPERATED VALVE
PI	PRESSURE INDICATOR
PII	PRESSURE DIFFERENTIAL INDICATOR
POS	PRESSURE DIFFERENTIAL SWITCH
POT	PRESSURE DIFFERENTIAL TRANSMITTER
PIC	PROGRAMMABLE LOGIC CONTROLLER
SP	SAMPLE POINT
SV	SOLVED VALVE
TI	TEMPERATURE INDICATOR
TSH	TEMPERATURE SWITCH HIGH
TT	TEMPERATURE TRANSMITTER
TVI	TEMPERATURE TRANSMITTER
V	VACUUM INDICATOR
VLS	VACUUM SWITCH LOW
VS	VALVE
BV	BALL VALVE
BT	BUTTERFLY VALVE
CL	COIL LOCK (FEMALE)
CL	COIL LOCK (MALE)
CV	CHECK VALVE
GV	GLOBE VALVE
RV	RELIEF VALVE
RP	SPRINKLER
WTS	WIRE STRAINER
AL	ALARM LIGHT
ESL	EMERGENCY STOP LIGHT
RL	RIM LIGHT
WL	WARNING LIGHT
AL	AIR LINE
CL	CONTROL LINE
SSL	INTRINSICALLY SAFE LINE
SSL	INTRINSICALLY SAFE WAILOO LINE
SSL	WATER LINE NORMAL MODE
SSL	WATER LINE BACKWASH MODE

- ALARMS
1. PHASE SEPARATOR LOW LOW LEVEL
  2. PHASE SEPARATOR HIGH HIGH LEVEL
  3. PHASE SEPARATOR LOW AIR FLOW
  4. PHASE SEPARATOR TRANSFER PUMP LOW FLOW
  5. LRP HIGH TEMPERATURE
  6. LRP WAPOR DISCHARGE HIGH TEMPERATURE
  7. LRP HIGH OIL LEVEL
  8. LRP LOW OIL LEVEL
  9. PRODUCT TANK HIGH LEVEL WARNING
  10. PRODUCT TANK HIGH HIGH LEVEL
  11. OIL WATER SEPARATOR HIGH HIGH LEVEL
  12. OIL WATER SEPARATOR LOW LOW LEVEL
  13. AIR STRIPPER INLET FILTER HIGH PRESSURE

REV.	DESCRIPTION	DATE	APP.	PKS
1	REMOVE LRP-201 & LRP-202 FROM LRP-201 & LRP-202 AND ADD SECTION BETWEEN FT-701 & M6-701. ADD SECTION BETWEEN FT-801 & M6-801. ADD SECTION BETWEEN FT-801 & M6-801.	2/22/05		

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**BISCO Environmental**  
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TITLE: DUAL PHASE TREATMENT SYSTEM PROCESS & INSTRUMENTATION DIAGRAM

RETG GROUP, INC. JOB NO. 11906  
NORFOLK SOUTHERN RAILROAD  
CHK BY: DATE: 2/2/05  
APP BY: DATE: 2/2/05  
SCALE: N/A  
DWG NO. 11906RBP  
SHEET 1 OF 2