



**H-80400**  
 AMINE REBOILER  
 SIZE: 2007mm (79") OD x 12192mm (40') S/S  
 DESIGN SS: 517 KPAG (75 PSIG)/FV @ -45/177C (-49/350F)  
 C.A.: 3.2mm (1/8")  
 DESIGN DUTY: 1172 KW (OFF-SKID)  
 ESTIMATED WEIGHT (EMPTY): 12,000 Kgs (25,200 lbs)

**HOLD**  
 XXXX  
 6"-APSL-LPF-XXXX-51-ET  
 51H-ET  
 DISPOSE PER REGULATORS

STEAM  
 18061-PR-PID-007  
 TO AMINE REGENERATOR  
 8"-APSL-PG-2108-38H

SIGNAL  
 18081-PR-PID-008A  
 TO SURGE VESSEL  
 80400 DIR

LEAN AMINE  
 18061-PR-PID-006  
 TO LEAN/RICH HEAT EXCHANGER  
 4"-APSL-LA-2190-38H-ET

AMINE LIQUID  
 18061-PR-PID-007  
 FROM AMINE REGENERATOR  
 6"-APSL-RA-2181-51H-ET

AMINE DRAIN  
 18061-PR-PID-009  
 TO AMINE DRAIN HEADER #2  
 2"-APSL-AD-2150-38H-ET

AMINE DRAIN  
 18061-PR-PID-008A  
 FROM SURGE VESSEL

FUEL GAS  
 18061-PR-PID-018  
 FROM FUEL GAS HEADER  
 1"-APWL-FG-2166

September 25, 2019  
**FOR CONSTRUCTION**

- GENERAL NOTES**
- ALL PIPING PROJECTING OUTSIDE OF THE BUILDING TO BE LOW TEMP MATERIAL BACK TO THE FIRST JOINT INSIDE BUILDING.
  - LEAN AMINE (LA) PIPING DOES NOT REQUIRE P.W.H.T.
  - ALL CONNECTIONS BUT DRAINS ON BOTTOM OF VESSEL REQUIRE STANDPIPES.
- VENTED O/S ENCLOSURE FOR DIAPHRAGM BREAKAGE AND INTERNAL RELIEF WITH AT LEAST EQUAL NOMINAL PIPE SIZE OF THE VENT OUTLET TO PREVENT IMPEDANCE UPON THE REGULATORS INTERNAL RELIEF CAPABILITY.
  - EY-1008 AND ZSC-1008 ARE INTEGRAL TO ESDV-1008.
  - EY-1008D AND ZSC-1008D ARE INTEGRAL TO TCY-1008D.
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- \* VALVES AND INSTRUMENTS SUPPLIED BY STARTEC AND SHIPPED LOOSE  
 \*\* VALVES AND INSTRUMENTS SUPPLIED BY OTHERS  
 --- FIELD PIPING BY OTHERS

NO.	DATE	BY	AP'D	DESCRIPTION	NO.	DATE	BY	AP'D	DESCRIPTION
A	19-01-07	DD	SR	ISSUED FOR APPROVAL					
B	19-01-21	DD		ISSUED FOR APPROVAL					
C	19-03-04	KJH		GENERAL REVISIONS					
D	19-04-17	GE		ISSUED FOR CONSTRUCTION					
0.1	19-05-13	GE		ISSUED FOR HAZOP					
0.2	19-09-04	GE		REVISED AS SHOWN					

**55 GPM AMINE GAS PLANT**

STARTEC  
 COMPRESSION & PROCESS LTD.  
 APEGA NO. P13139

DRAWN: DD DATE: 19-01-21  
 CHECKED: - DATE: -  
 ENG. APPL: SN DATE: 24/12/19  
 PACKAGE NO.: -  
 REFERENCE NO.: -

CUSTOMER: -  
 TITLE: PIPING & INSTRUMENTATION DIAGRAM  
 AMINE REGENERATOR REBOILER  
 SCALE: N.T.S. DRAWING NO.: 18061-PR-PID-008 REV. 0.2