



**NOTES**

- ① - SAMPLE INLET BULKHEAD CONNECTORS—SELECT TUBE COMPRESSION OR TUBE SOCKETWELD CONNECTIONS.
- ② - SAMPLE BLOWDOWN VALVE IS USED DURING STARTUP AND ON A PERIODIC BASIS TO CLEAN SAMPLE LINE OF BLOCKAGE AND SOLIDS BUILDUP.
- ③ - PRIMARY SAMPLE COOLERS ARE SIZED BASED ON MAXIMUM SAMPLE TEMPERATURE SAMPLE FLOW AND COOLING WATER TEMPERATURE.
- ④ - SAMPLE FILTERS ARE USED TO PROTECT PRESSURE REDUCING VALVES AND ANALYZERS.
- ⑤ - ROD-IN-TUBE HIGH PRESSURE REDUCING VALVE IS USED FOR PRESSURE REDUCTION ON HIGH PRESSURE SAMPLES.
- ⑥ - SAMPLE PRESSURE REGULATORS ARE USED FOR AUTOMATIC DOWNSTREAM PRESSURE CONTROL.
- ⑦ - GRAB SAMPLES MAY BE OBTAINED USING A ROTAMETER WITH INTEGRAL NEEDLE VALVE, A NEEDLE VALVE ONLY OR FROM THE CONTINUOUS DISCHARGE OF THE BACKPRESSURE VALVE.
- ⑧ - SAMPLE BACKPRESSURE VALVES ARE PROVIDED TO AUTOMATICALLY ADJUST AND MAINTAIN ANALYZER BACKPRESSURE.
- ⑨ - SAMPLES ARE PIPED TO WASTE DRAIN OR TO AN OPTIONAL SAMPLE RECOVERY HEADER.

<b>JOHNSON MARCH SYSTEMS, INC.</b> <small>220 HALL ROAD WILKES BARRE, PA 18744</small>			
DR: E. GROW	APP: E. GROW	DWG. NO.	REV.
CHK:	APP:		
SCALE: NA			