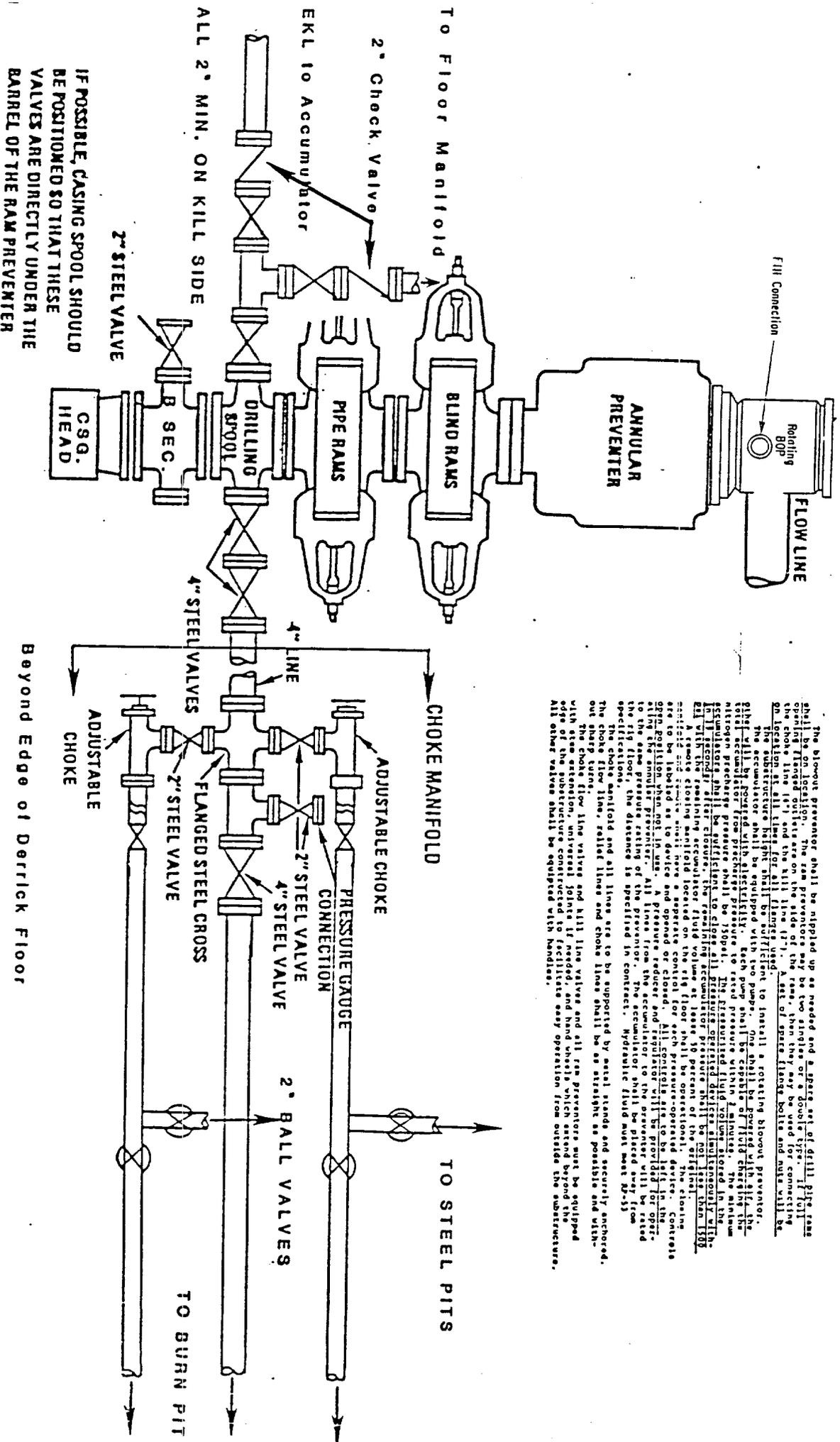


CLASS THREE PREVENTER



The blowout preventer shall be shipped up as needed and a spare set of drill pipe rams shall be on location. The ram preventer shall be of the two ram type or a double type. If both opening flanged outlets are on the side of the ram, the hole end of connecting pipe shall be on location at all times for all flanges used.

The accumulator height shall be sufficient to install a rotating blowout preventer. The accumulator shall be equipped with two pumps. One shall be powered with air, the other shall be powered with hydraulic fluid. Each pump shall be capable of fluid charging the accumulator at a rate of 1000 psi per minute. The minimum accumulator pressure shall be 1000 psi. The accumulator shall be equipped with a pressure gauge and a pressure relief valve. The accumulator shall be equipped with a pressure relief valve. The accumulator shall be equipped with a pressure relief valve.

The choke manifold and all lines are to be supported by steel stands and securely anchored. The choke flow line valve and kill line valve and all ram preventers must be equipped with stem extension, universal joints if needed, and hand wheels which extend beyond the edge of the substructure constructed to facilitate easy operation from outside the substructure. All other valves shall be equipped with handles.

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