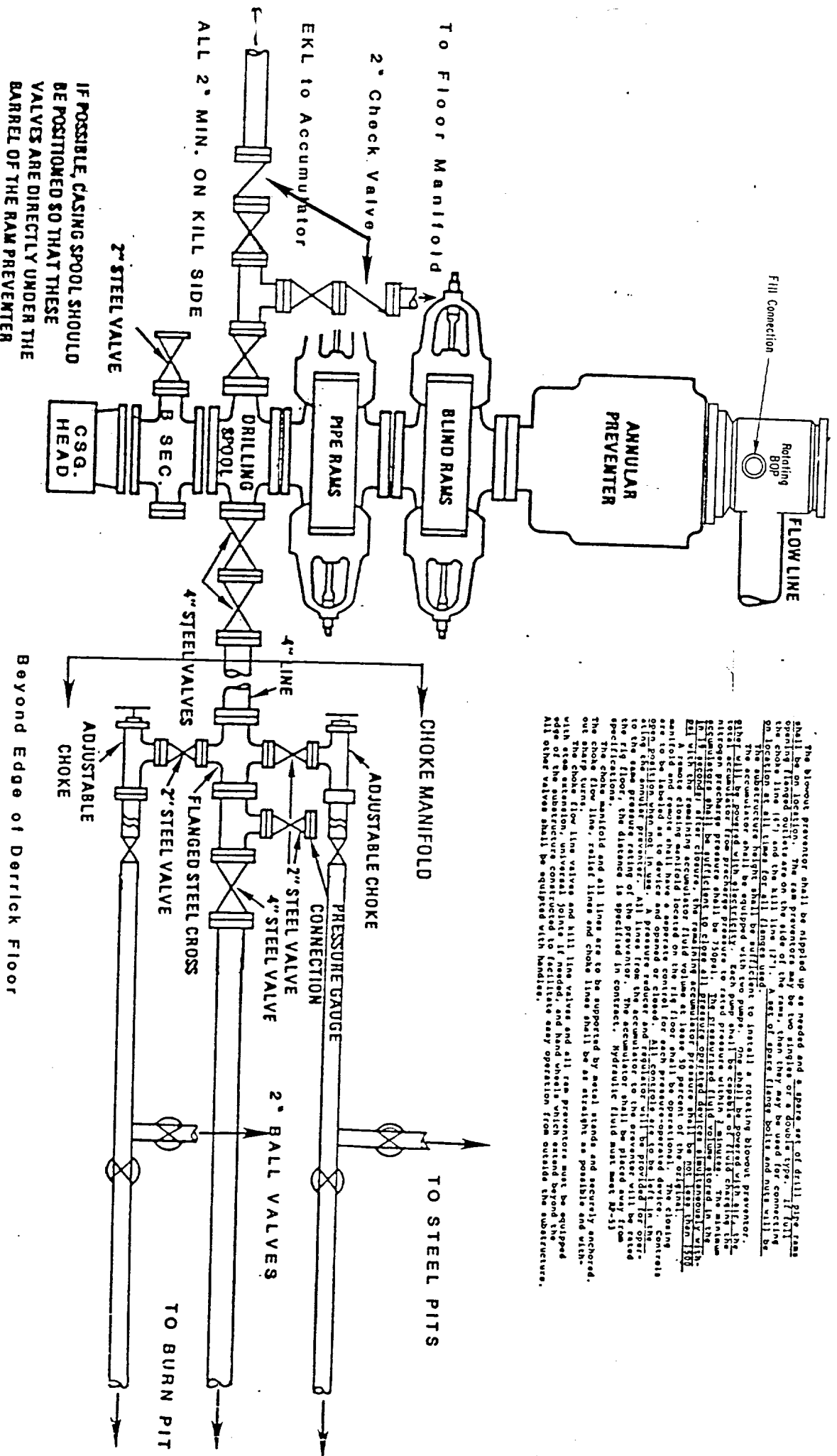


HOBB'S DIVISION

CLASS THREE PREVENTER



The blowout preventer shall be installed up as needed and a spare set of drill pipe rams shall be on location. The ram preventer may be two singles or a double type. If full opening flanged collars are on the side of the ram preventer they may be used for connecting the choke line (17") and the kill line (27"). A set of spare flange bolts and nuts will be on location at all times for all flanges used.

The accumulator shall be installed to install a rotating blowout preventer. The accumulator shall be equipped with two pumps. One shall be powered with air, the other with nitrogen. Each pump shall be capable of fluid charging the total accumulator flow pressure within 1 minute. The accumulator shall be equipped with a pressure gauge and a pressure indicator. The accumulator shall be equipped with a pressure gauge and a pressure indicator. The accumulator shall be equipped with a pressure gauge and a pressure indicator.

The choke manifold and all lines are to be supported by metal stands and securely anchored. The choke manifold, universal joints if needed, and hand wheels which extend beyond the edge of the substructure shall be constructed to facilitate easy operation from outside the substructure. All other valves shall be equipped with handles.

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