

SUBJECT: RELIEF VALVE & YCR HIGH PRESSURE CUTOUT SETTINGS

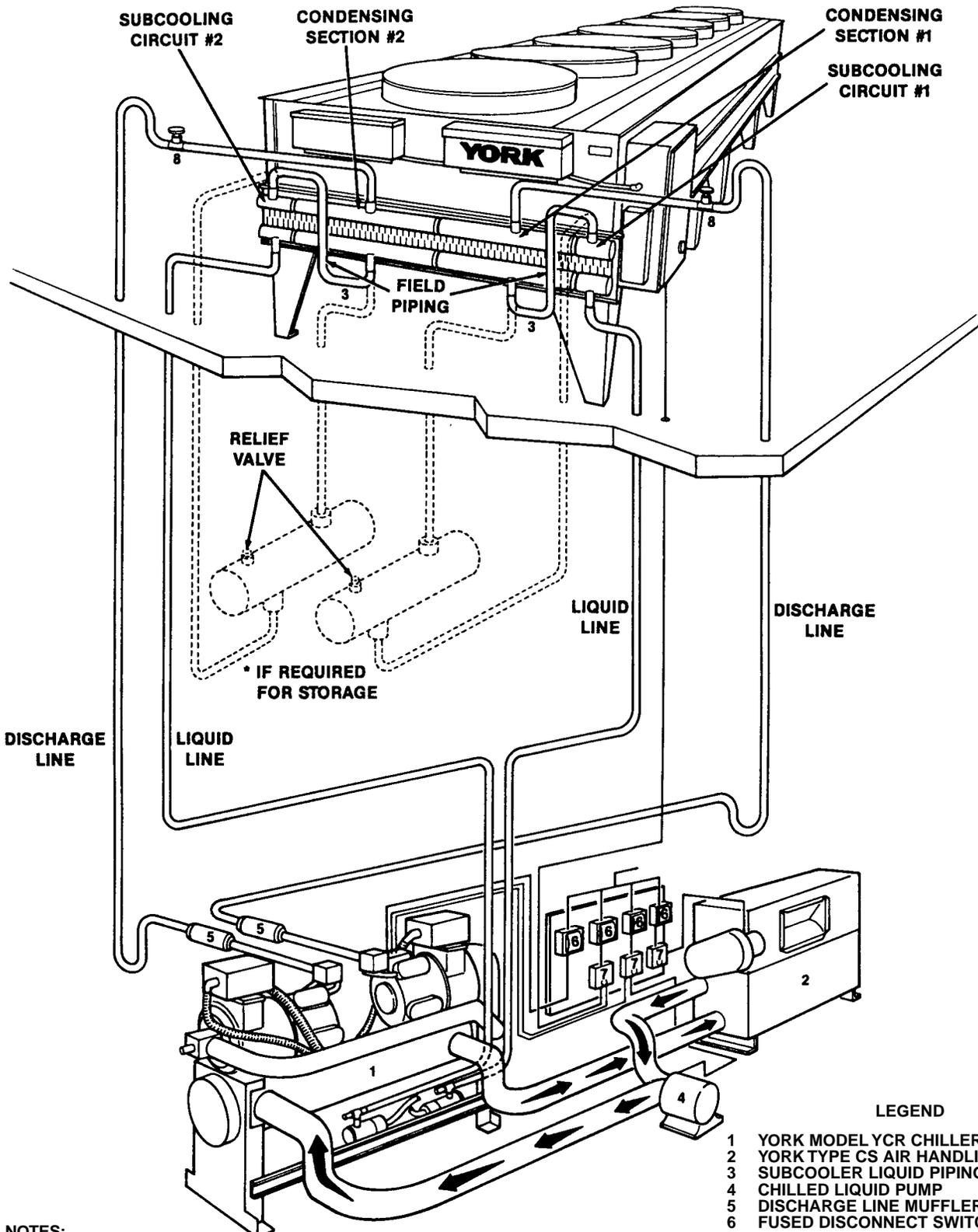
At times, system designs may include refrigerant receivers. It is important that the relief valve and YCR high pressure cutout settings be appropriate for the system.

The relief valves must match the receiver design working pressure. In addition, the YCR high pressure cutout setting must be set to be no higher than 90% of the receiver DWP per the ANSI safety code for mechanical refrigeration. The receiver DWP rating should be equal to the condenser.

Here is the rating information for the following receivers.

Receiver psig DWP	Relief Valve Rating psig	HPCO Setting 90% of DWP psig
400	400	360
450	450	405

The diagram on the reverse side supersedes the illustration shown on page 10 of Engineering Form 195.21-EG2 (191).



NOTES:

- All lines (piping, purge and relief valve, etc.) by others.
- Follow ASHRAE handbook piping practices.
- *Receivers are normally not used. If they are required for service storage, they should be installed just under the roof line and 12 to 15 feet above the chiller refrigerant liquid connections.

- LEGEND**
- 1 YORK MODEL YCR CHILLER
 - 2 YORK TYPE CS AIR HANDLING UNIT
 - 3 SUBCOOLER LIQUID PIPING
 - 4 CHILLED LIQUID PUMP
 - 5 DISCHARGE LINE MUFFLER
 - 6 FUSED DISCONNECT SWITCH
 - 7 STARTER
 - 8 PURGE VALVE

TYPICAL PIPING ARRANGEMENT—VCB WITH INDOOR CHILLER

