CABLE PRESSURIZATION SYSTEMS

OUTSIDE PLANT SYMBOLS

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1. GENERAL

1.01 The identification codes and symbols listed in this section pertain to cable pressurization systems. They are for use primarily on construction work prints and records, although some of them may be used on maps.

1.02 This section is being reissued to add new outside plant abbreviations. Since this reissue is a general revision, no revision arrows have been used to denote significant changes.

1.03 The information in this section was formerly contained in Section 620-040-016. That section now contains outside plant symbols for loading coil cases, capacitors, inductors, concentrators, and repeaters. A complete list of abbreviations used in conjunction with outside plant symbols is contained in Section 620-040-020.

2. SYMBOLS FOR CABLE PRESSURIZATION SYSTEMS

2.01 The following letter combinations are symbols to represent items of cable pressurization systems:

(a) Compressed dry air source. This includes air dryers at both central office and remote locations and compressor dehydrators.	CD
(b) Dry nitrogen gas cylinder reservoir (permanent installation).	DN_2
(c) Liquid nitrogen tanks placed as a permanent air source.	LN_2
(d) Meter panel used to serve outside plant cables directly.	MP
(e) Pipe alarm meter panel used to serve auxiliary pipe systems.	PAMP
(f) Gas meter.	M
(g) Air feeder air pipe (containing a moisture barrier).	AFP
(h) Pipe manifold.	MF
(i) Pressure contactor.	C
(j) Pressure contactor in splice sleeve.	$\underline{C}$
(k) Pressure transducer.	PTD
(l) Flow transducer.	FTD
(m) Pressure regulator.	R
(n) Pressure testing valve.	V
(o) Pressure relief valve.	RV
(p) Bypass valve.	BV
(q) Special gastight cable terminals through which alarm, talking, and balancing pairs may be looped.	T
(r) Pressure contactor terminal (a pressure contactor and terminal combined as a unit).	CT
(s) Cable vent.	VT
(t) Pressure plug.	PPG
(u) Bypass.	B
(v) Automatic shutoff valve.	AV

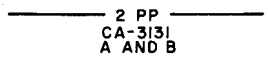
(w) Air rate indicator. I

(x) Pressure testing point. PTP

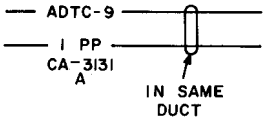
Note: Detailed construction work prints may be required in establishing cable pressure sources or systems to show exact locations of the preceding equipment. A supplementary note may be used adjacent to the symbol to indicate the type of equipment.

2.02 The following are illustrations of cable pressurization systems:

(a) Two auxiliary air pipes in a route. Both pipes are shown as a single line with the letters A and B indicating the route designation of each pipe.

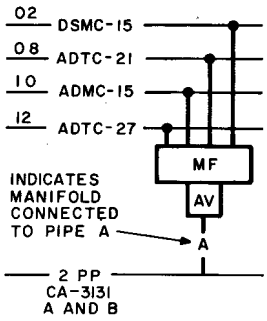


(b) Auxiliary air pipe in the same underground duct with an exchange cable.

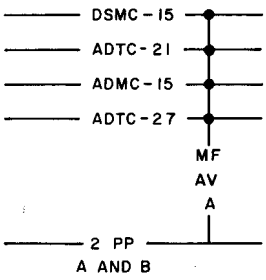


(c) Auxiliary air source location. Auxiliary air pipe A connected to four underground cables through an automatic shutoff valve and a manifold assembly.

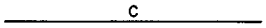
(1) On construction work prints.



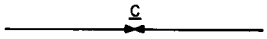
(2) On records.



(d) Contactor located on the outside of the cable.

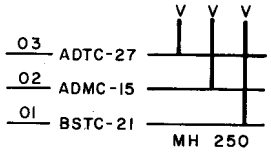


(e) Contactor contained in the sleeve at a splice.

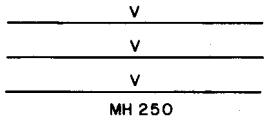


(f) Pressure testing valves located at a distance from the cable, as on a pole, pedestal, or in the neck of a manhole.

(1) On construction work prints.

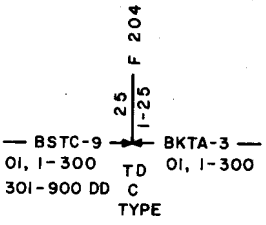


(2) On records.

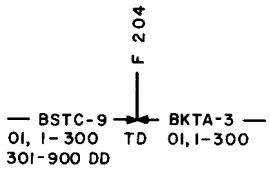


(g) Pressure transducer.

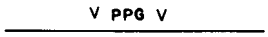
(1) On construction work prints.



(2) On records.

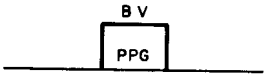


(h) Pressure testing valves located on the cable sheath on either side of a pressure plug.

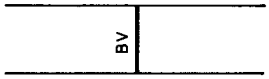


(i) Bypass valve installed in a pipe bypass:

(1) Around a pressure plug.

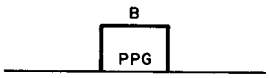


(2) Between cables.



(j) Bypass installed:

(1) Around a pressure plug located in a cable.



(2) Between cables.