

LEGEND - PID

Table with columns: SYSTEM, SYSTEM PREFIX, ALLOTTED LINE NO'S, P & ID DWG. NUMBERS (OVERVIEW, DETAILS). Includes systems like ADMINISTRATION SERVICES, AUXILIARY BOILER, CONDENSER AIR EVACUATION, etc.

Table with columns: SYSTEM, SYSTEM PREFIX, ALLOTTED LINE NO'S, P & ID DWG. NUMBERS (OVERVIEW, DETAILS). Includes systems like DEWATERING, ELECTRICAL DISTRIBUTION, EXTRACTION STEAM, FUEL OIL, FIRE PROTECTION, etc.

Table with columns: SYSTEM, SYSTEM PREFIX, ALLOTTED LINE NO'S, P & ID DWG. NUMBERS (OVERVIEW, DETAILS). Includes systems like REACTOR COOLANT, RESIDUAL HEAT REMOVAL, RELEASE RECOVERY SYSTEM, RADIATION MONITORING SYS., etc.

BUILDING BOUNDARIES. Text explaining building boundaries and symbols. Includes diagrams for building abbreviations and examples of labeling building boundaries.

GENERAL NOTES. A list of 15 notes detailing safety class breaks, instrument details, and system incorporations. Includes a table of system prefixes and allotted line numbers.

Table of abbreviations for systems and components. Columns: A, ACCUM, ACT, ACOB, ADMIN, etc. Includes descriptions like AIR, AIR OPERATED VALVE, AIR SUPPLY, etc.

Table of abbreviations for systems and components. Columns: NNS, NSP, NSSS, NUC, etc. Includes descriptions like NON-NUCLEAR SAFETY, NITROGEN SUPPLY PACKAGE, NUCLEAR STEAM SUPPLY SYSTEM, etc.

PROCESS LINE CONTINUATION FLAGS. Diagrams showing how to indicate continuation of process lines between drawings. Includes examples for line numbering and valve numbering.

CONSTRUCTION ISOMETRIC NUMBERING. Diagrams showing how to number construction isometric drawings. Includes examples for unit, nominal size, system prefix, and valve number.

Table of system prefixes and allotted line numbers. Includes columns for SYSTEM, SYSTEM PREFIX, and ALLOTTED LINE NO'S. Lists various systems like ARGON-METHANE, ARGONE, ACETYLENE, etc.

North Atlantic Energy Service Corporation logo and title: LEAD SHEET NUCLEAR PIPING & INSTRUMENT DIAGRAMS SHEET 1 OF 2. Includes a table with drawing numbers and titles.

LEGEND 2

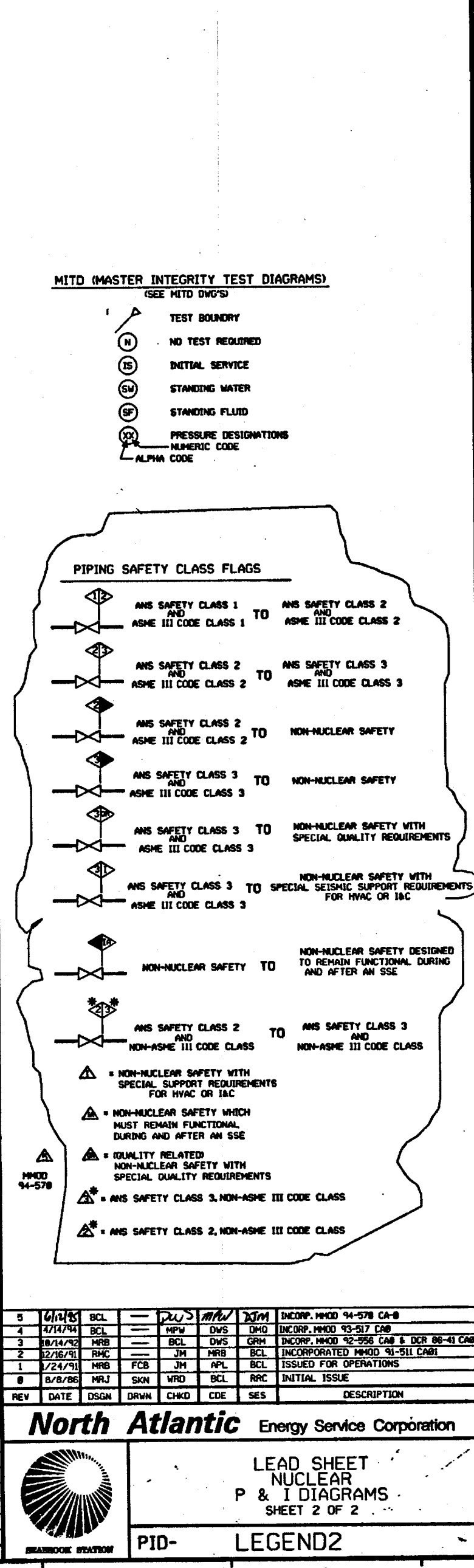
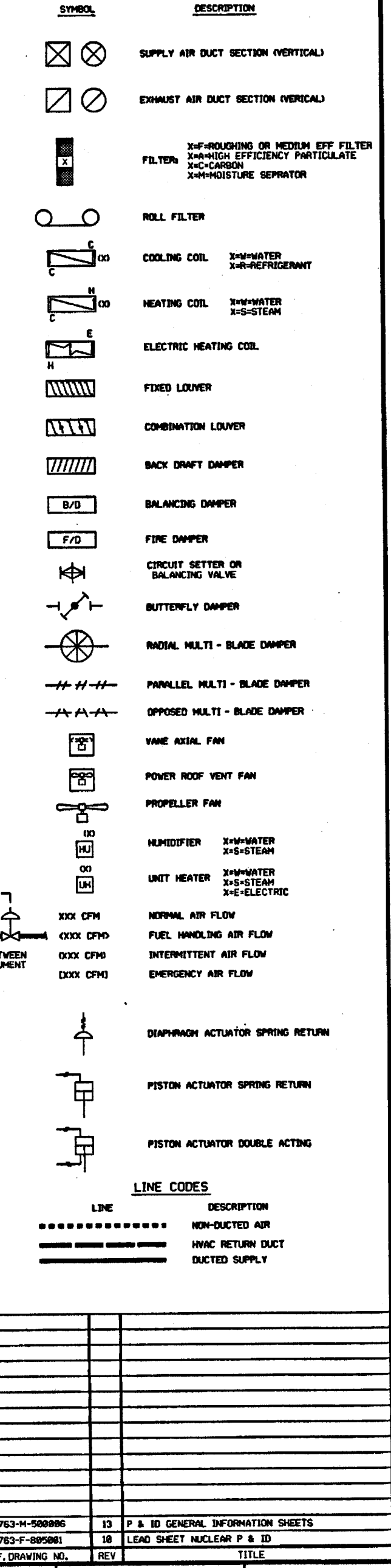
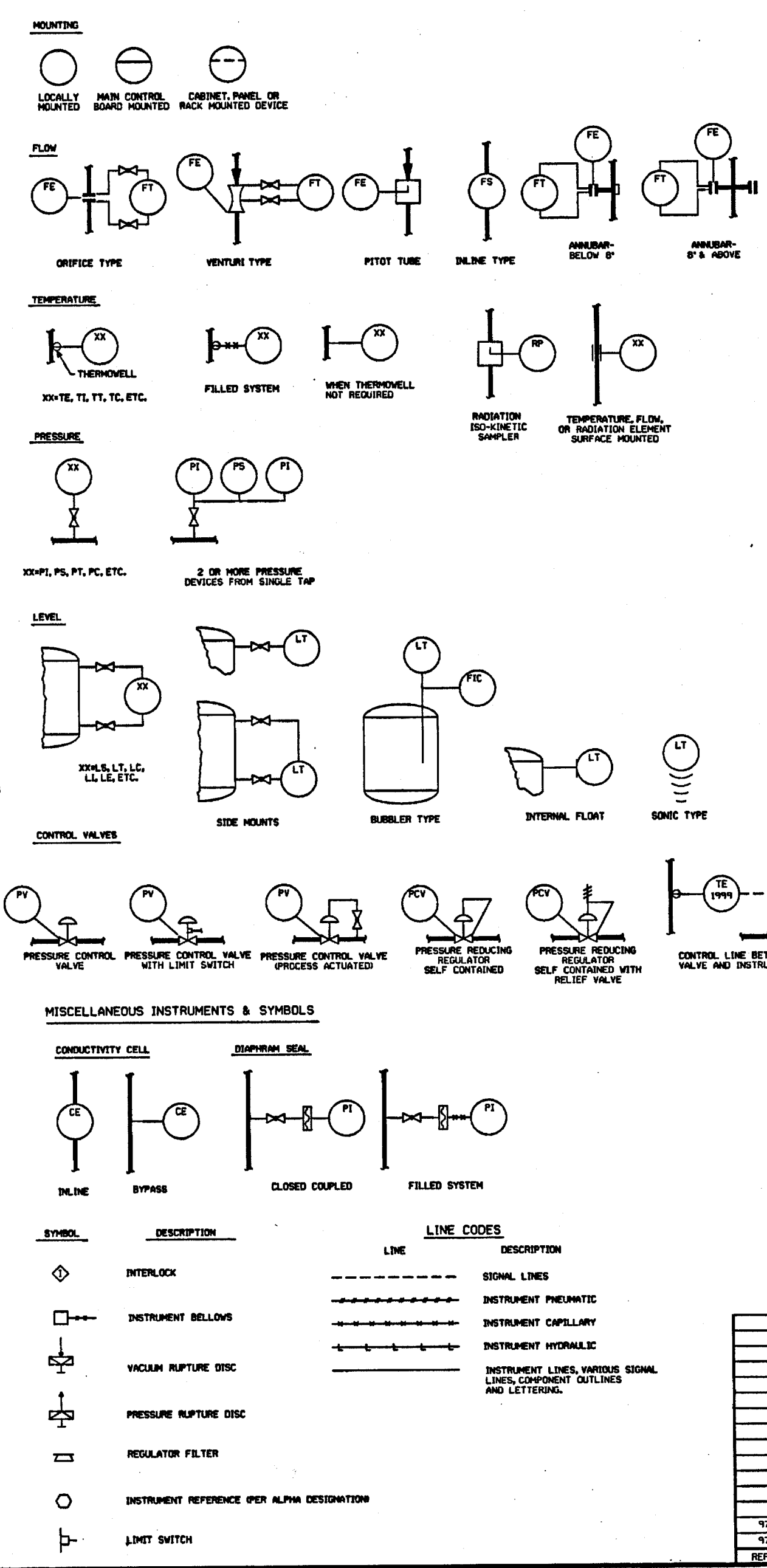
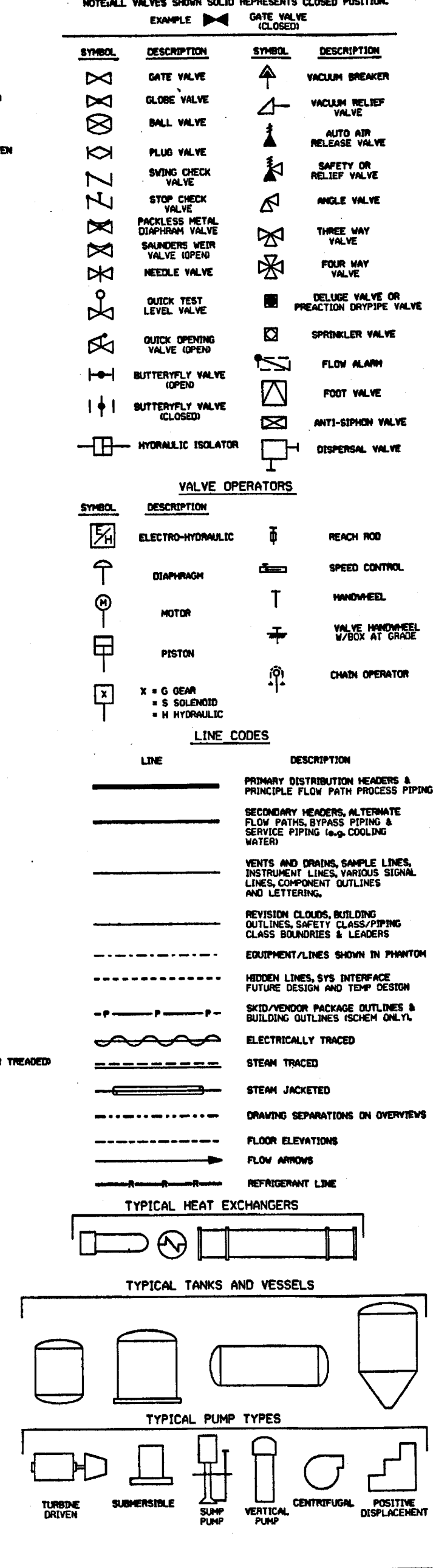
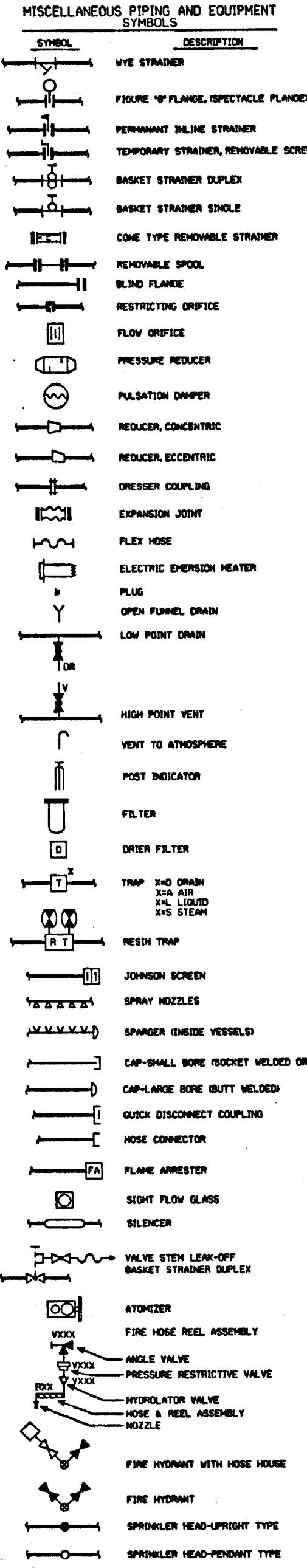


Table with 5 columns: REF. DRAWING NO., REV., TITLE, and two empty columns. Contains drawing numbers and revision information.

Table with 5 columns: REV., DATE, DSGN, DRWN, CHKD, CDE, SES, and DESCRIPTION. Contains revision history.

North Atlantic Energy Service Corporation logo and title block information including 'LEAD SHEET NUCLEAR P & I DIAGRAMS SHEET 2 OF 2' and 'PID- LEGEND2'.

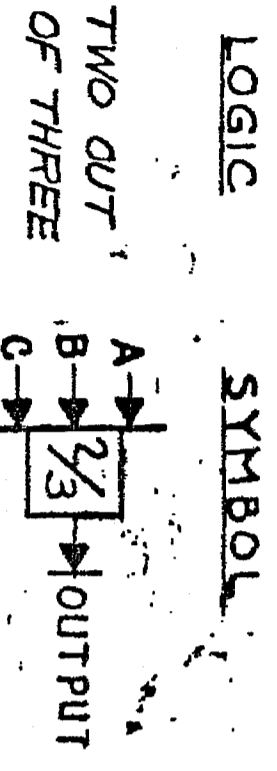
ISSUED-FOR-CONSTRUCTION

SYMBOLS LOGIC DIAGRAM

New Hampshire
Yankee
Seabrook
Station

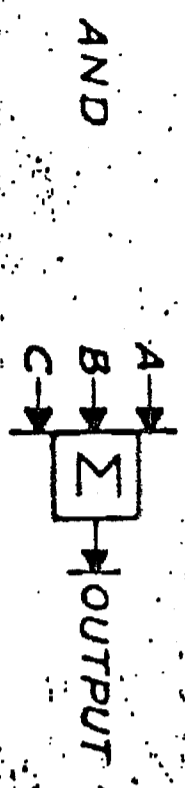
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REV
DATE

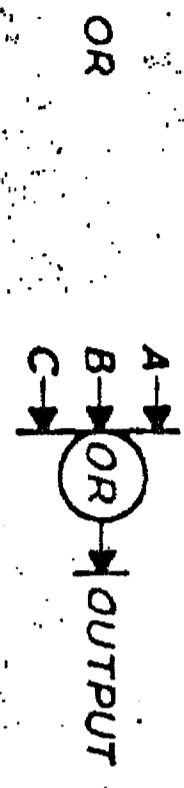


DESCRIPTION

ANY TWO OUT OF THREE INPUTS TO PRODUCE AN OUTPUT; i.e. A & B, A & C, B & C (ANY AMOUNT OF INPUTS MAY BE USED - E.G. 1 OUT OF 4 = 1/4)



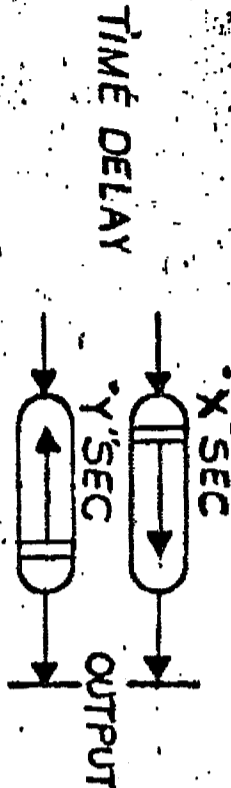
INPUTS A, B & C MUST ALL BE PRESENT TO PRODUCE AN OUTPUT.



INPUTS A, OR B, OR C, OR ANY COMBINATION OF A, B & C TO PRODUCE AN OUTPUT.



WHEN INPUT A IS PRESENT THERE IS NO OUTPUT SIGNAL. WITH NO INPUT SIGNAL AN OUTPUT IS PRESENT.



OUTPUT SIGNAL IS PRESENT 'X' SEC AFTER INPUT IS APPLIED; AFTER INPUT SIGNAL REMAINS 'Y' SEC AFTER INPUT IS REMOVED.



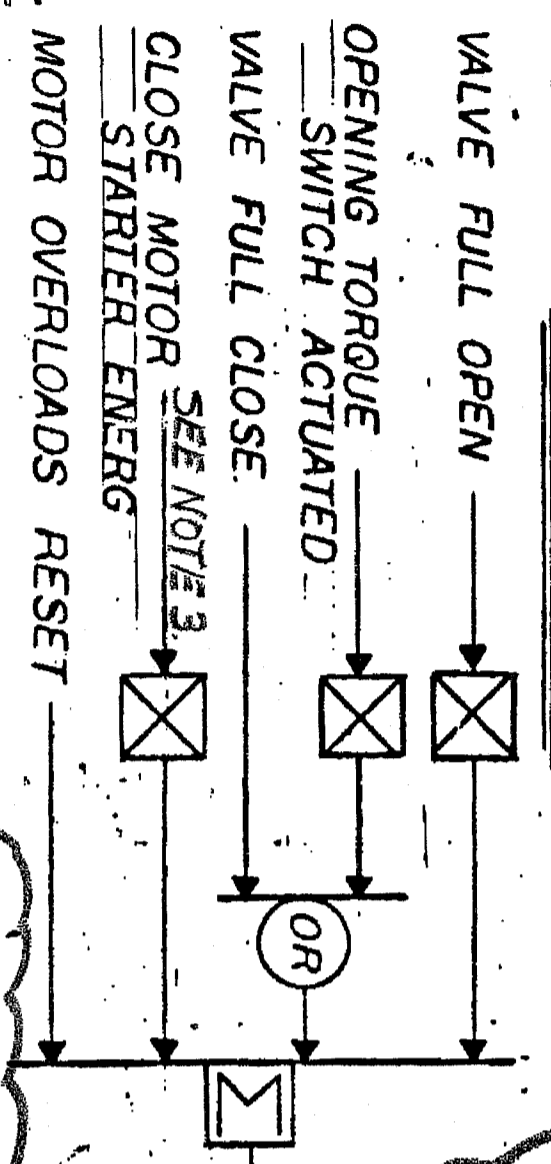
RETAINS THE COND. OF OUTPUT CORRESPONDING TO LAST ENERGY INPUT (ALSO UPON INTERRUPTION OF POWER)

CS-NAC SBM SWITCH APPLICATIONS: NAC EQUALS 'NORMAL AFTER CLOSE' NAC EQUALS 'NORMAL AFTER START' NAC EQUALS 'NORMAL AFTER TRIP'

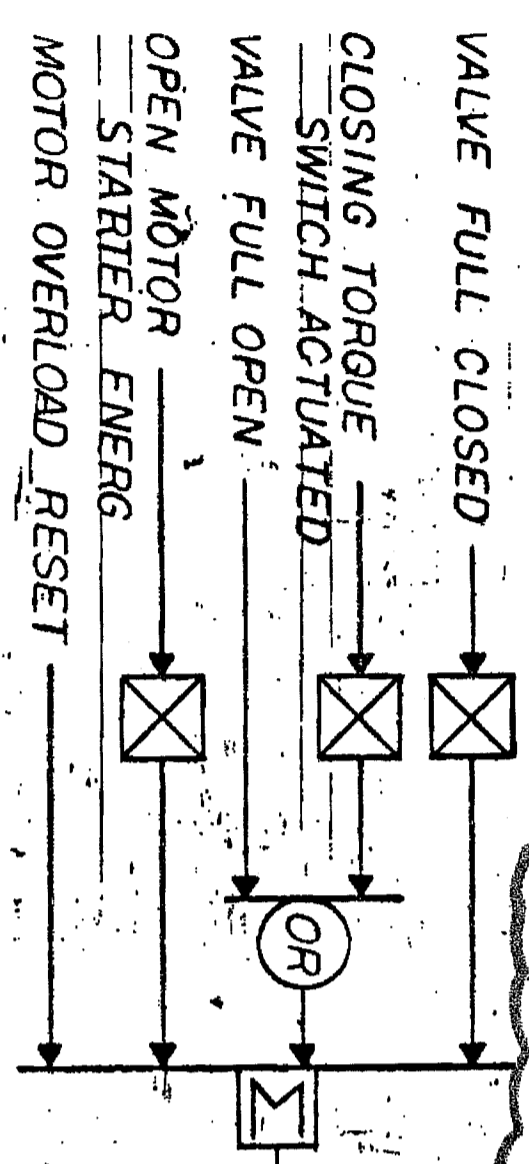
CS-NA STOP : NA STOP EQUALS 'NORMAL AFTER STOP' CS-NA TRIP : NA TRIP EQUALS 'NORMAL AFTER TRIP' GREEN FLAG IS EXPOSED ON THE SWITCH ESCUTCHEON

MOV SCHEMES

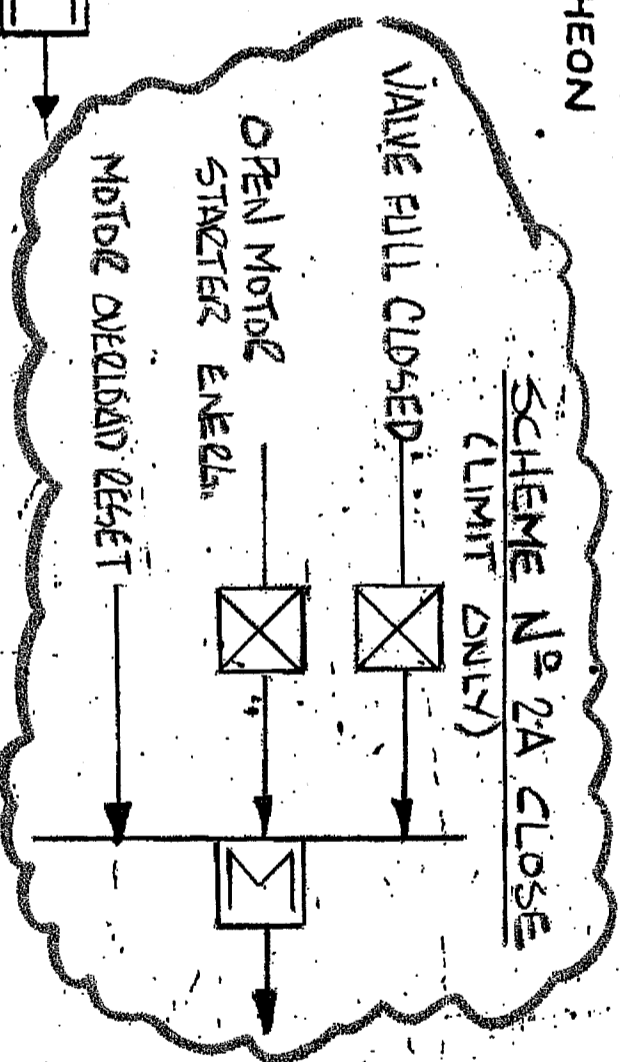
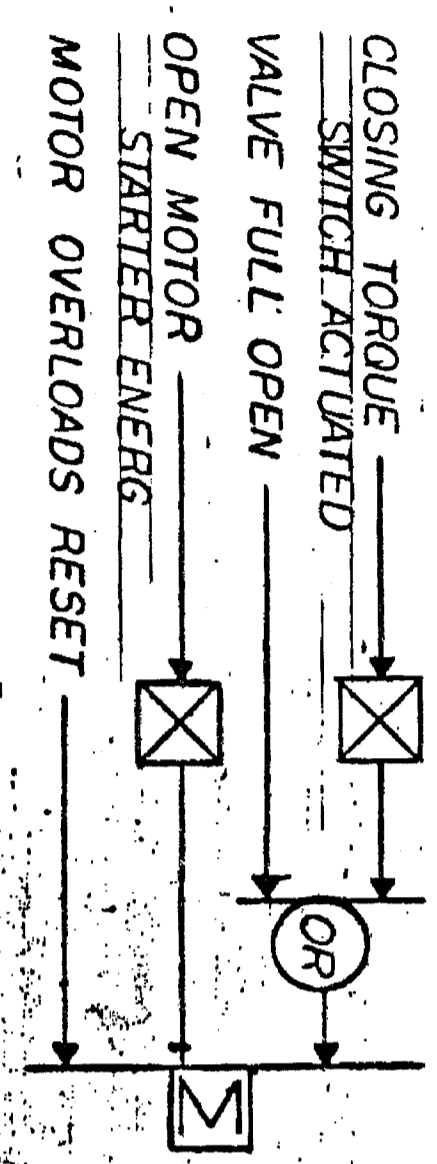
SCHEME No 1 - OPEN



SCHEME No 2 - CLOSE (LIMIT WITH TORQUE BACK-UP)



SCHEME No 3 (T SEATED) - CLOSE



NOTES

- 1) LOGIC SHOWN DOWNSTREAM (TO THE RIGHT) OF COMPUTER INPUTS (◇S) IS BY SOFTWARE INTERNAL TO THE COMPUTER
- 2) GATE AND GLOBE VALVES, TYPICALLY, ARE TORQUE (T) SEATED
- 3) FULL CLOSED AS DEFINED BY ROTOR 2 OF LIMIT TORQUE SWITCH IS ADJUSTED IN ACCORDANCE WITH APPLICABLE STATION PROCEDURES TO PROVIDE A SUFFICIENT BY-PASS OF THE OPENING TORQUE SWITCH TO ALLOW THE VALVE TO OPEN FROM THE MAIN SEAT WHEN DESIGNATED IN STATION SCHEMATICS.

REV	DATE	DRWN	CHKD	CE	LDE	DESCRIPTION
5	3/25/82	JWB	WDS	MR	DFB	REV'D PER. DER 92.005%
4	9/21/80	HP	AMP	APL	JFB	INCORP. DCR 87-0071, CA-02
3	10/20/80	JH	BOE	RRL	NA	9763-M-503100 SUPERCEDES UE&C DWG.;
2	4-21-78					ISSUED FOR CONSTR. (NO CHANGE REQ'D.)
1	8-1977					ADDED LOGIC 2/3, RFT. MEM. & NOTES 1, 2, RFT.
	7-30-76					FIRST ISSUE

SECURITY-RELATED INFORMATION – WITHHELD UNDER 5 USC SECTION 552(b)(4) AND 5 USC SECTION 552(b)(7)(F)

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