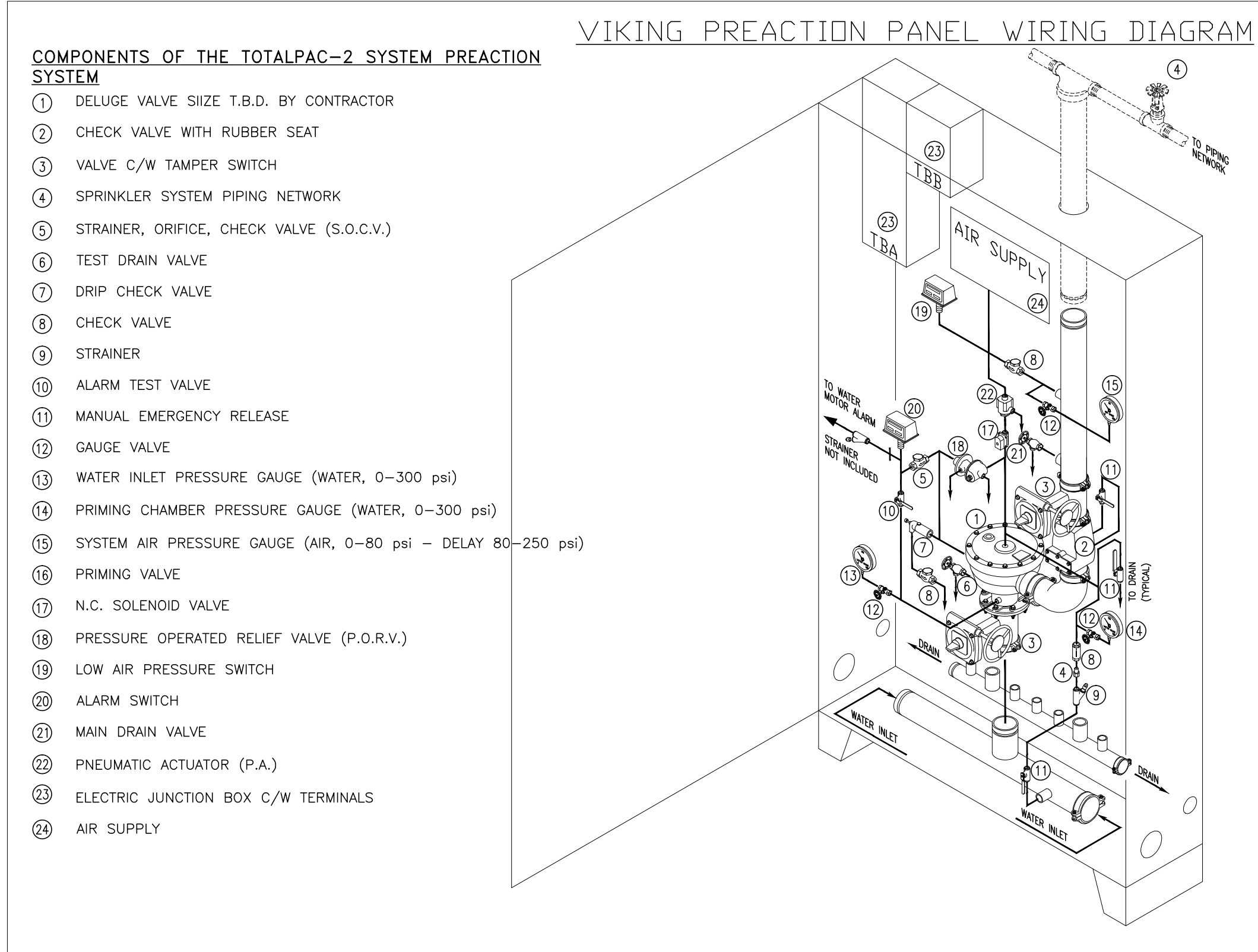
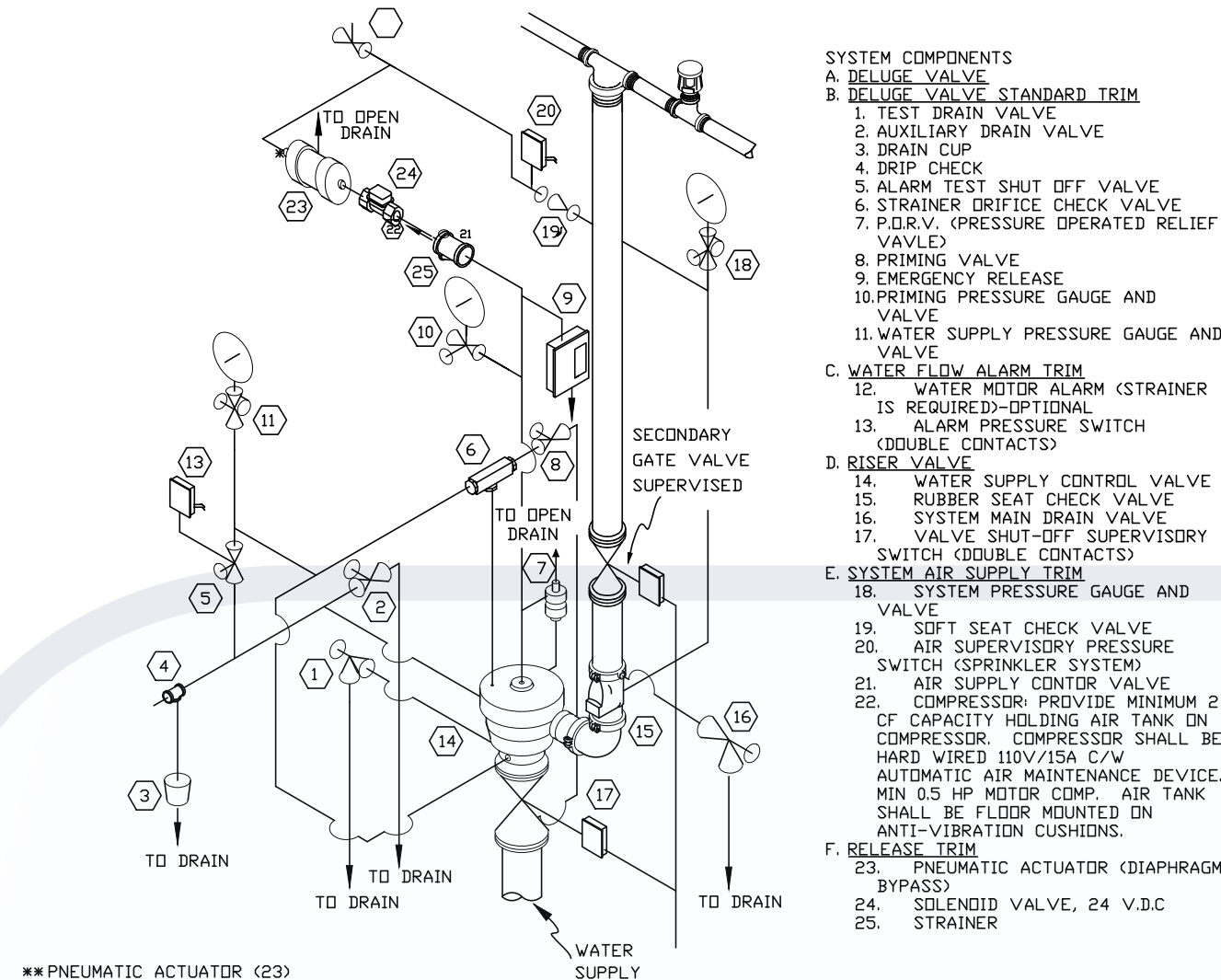
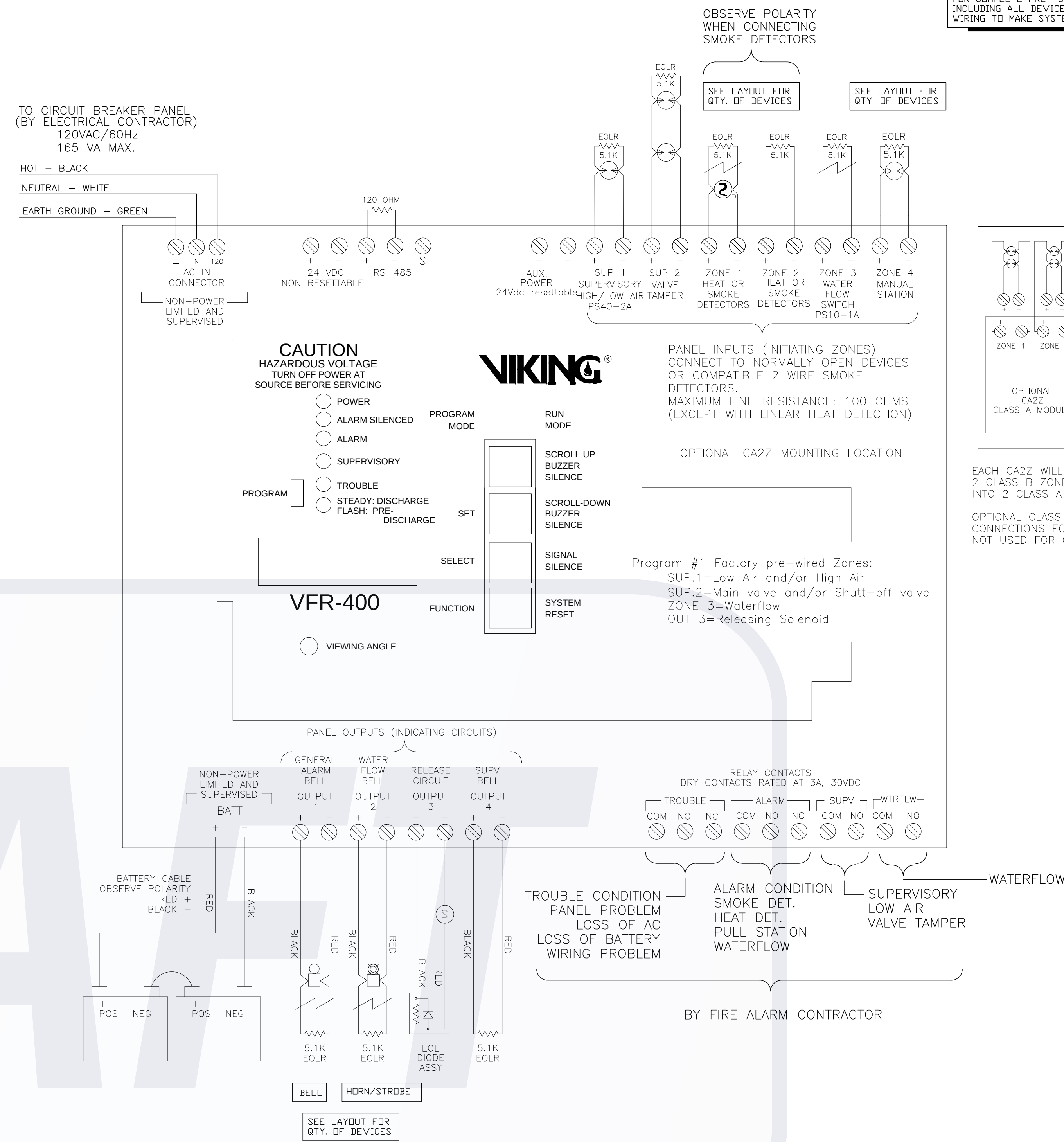




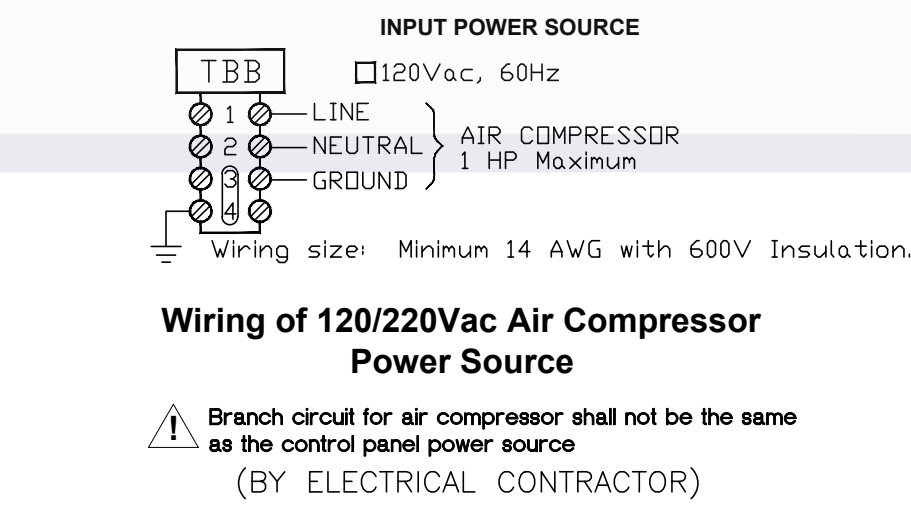
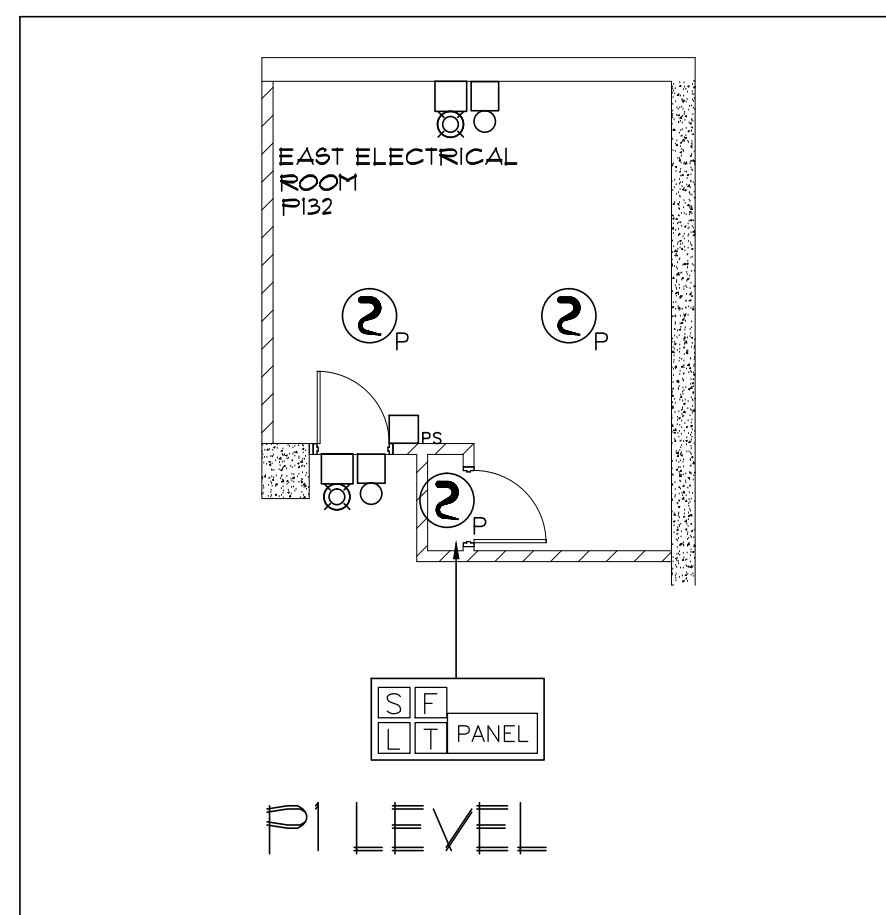
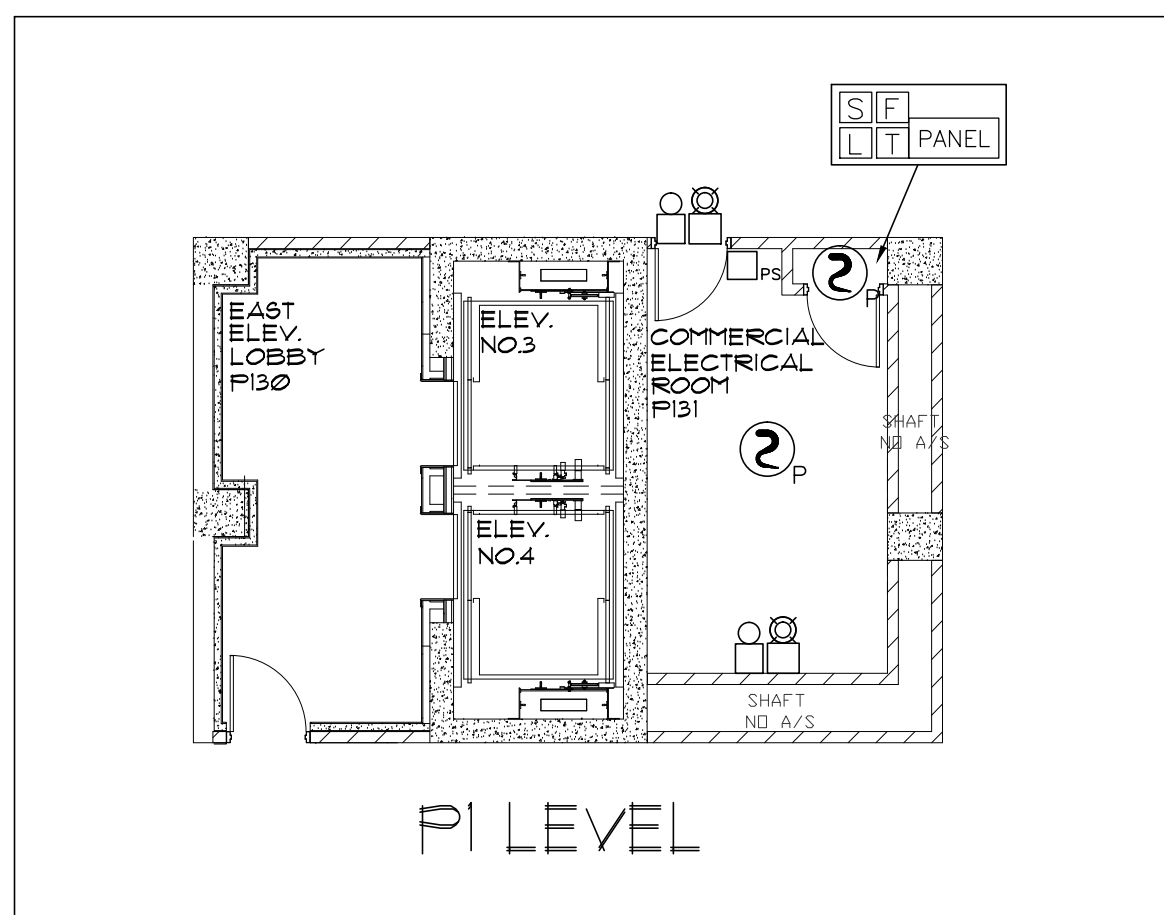
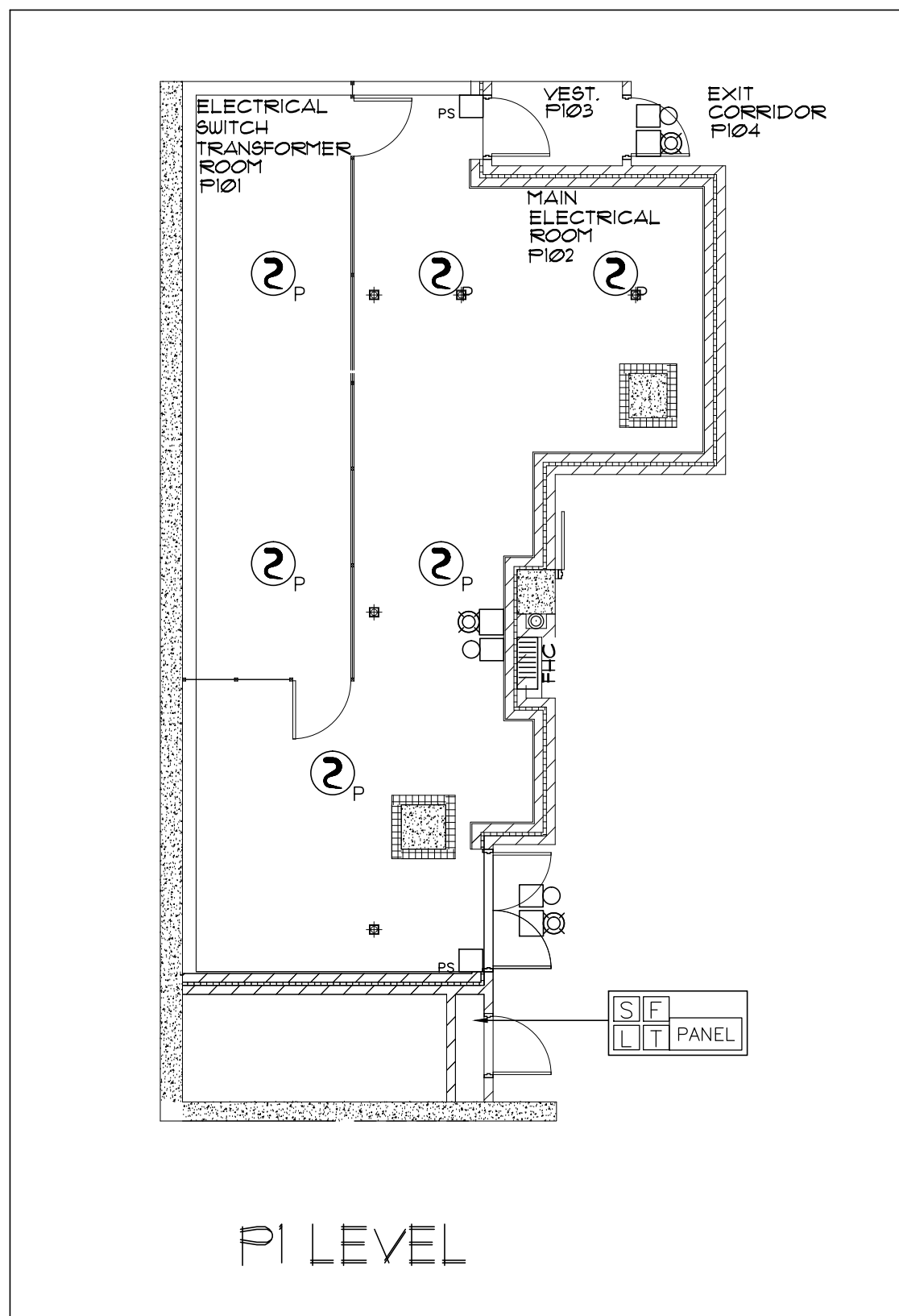
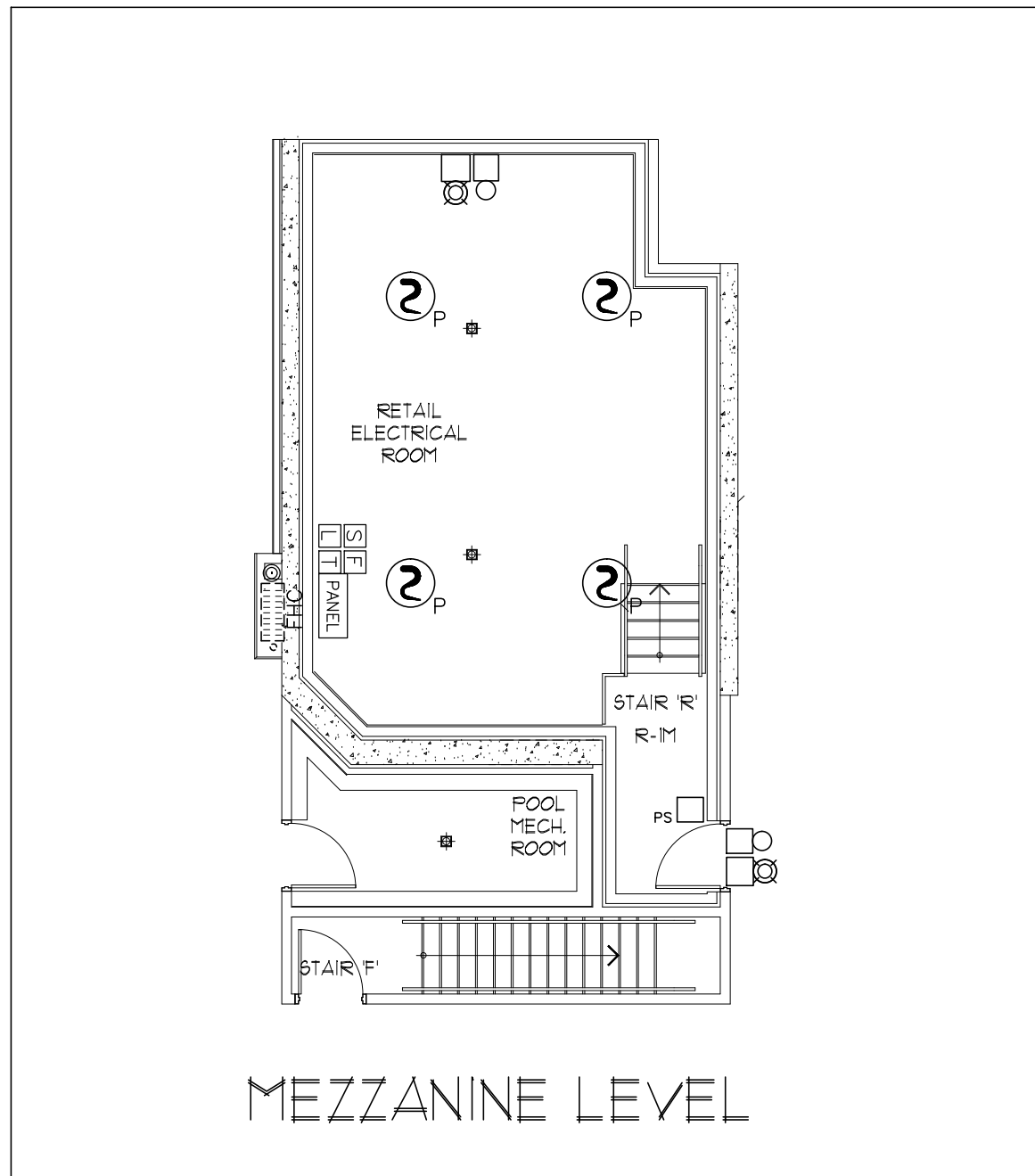
2 1/2" DOUBLE INTERLOCKED(ELECTRICAL/PNEUMATIC) PREACTION VALVE ASSEMBLY CABINET(WITH PANEL) - THIRD LEVEL DATA CENTRE



DOUBLE INTERLOCK PREACTION SPRINKLER VALVE C/W TRIM AND SECONDARY GATE VALVE-TYPICAL SCHEMATIC (WITHOUT PANEL)



SPRINKLER CONTRACTOR RESPONSIBLE FOR COMPLETE PRE-ACTION SYSTEM INCLUDING ALL DEVICES AND LOW VOLTAGE WIRING TO MAKE SYSTEM OPERATIONAL

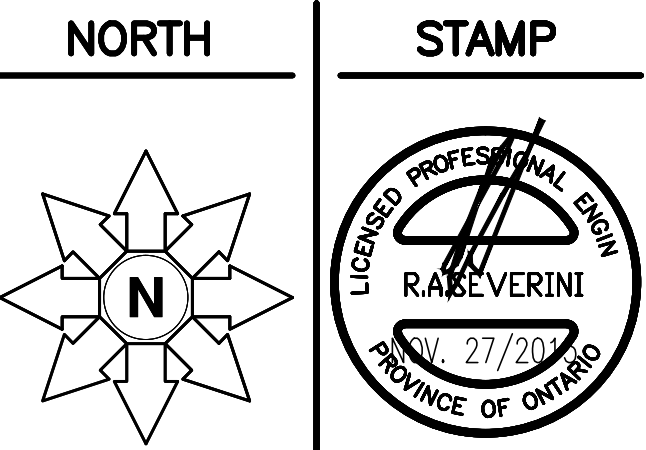


- ELECTRICAL NOTES:**
- REFER TO DATA SHEETS AND DRAWINGS SUPPLIED WITH CONTROL PANEL FOR WIRING TERMINATION CONNECTION POINTS.
 - ALL DETECTOR AND SIGNAL CIRCUITS MUST BE SUPERVISED. THEREFORE, NO PARALLEL BRANCHING OF THESE WIRES IS PERMISSIBLE.
 - NO WIRES OTHER THAN DETECTOR OR SIGNAL CIRCUIT WIRES ARE PERMITTED IN THE CONDUIT BETWEEN DEVICES AND THE CONTROL PANEL.
 - IF APPLICABLE, IONIZATION DETECTORS TO BE PLACED NO CLOSER THAN 6 FEET TO A SUPPLY AIR DIFFUSER.
 - END OF LINE DEVICE TO BE MOUNTED ON STANDARD SINGLE GANG UTILITY BOX.
 - ALL WIRING TO BE DONE IN ACCORDANCE WITH LOCAL ELECTRICAL CODES, UL STANDARD FOR INSTALLATION OF FIRE ALARM SYSTEMS AND CANADIAN ELECTRICAL CODE SECTION 32.
 - DEVICE LOCATIONS ARE APPROXIMATE, EXACT LOCATIONS TO BE DETERMINED BY SITE CONDITIONS.
 - ALL WIRING TO BE RUN IN METALLIC RACEWAY SUCH AS E.M.T., FLEX, OR BX.
 - DO NOT COMBINE EMERGENCY LIGHTING AND FIRE ALARM WIRING IN A COMMON RACEWAY.
 - WIRING TO BE 14 GAUGE FOR SOLENOID & SIGNAL CIRCUITS AND 18 GAUGE FOR INITIATING CIRCUITS. WIRING TO BE SOLID CONDUCT OR TINNED STRANDED.

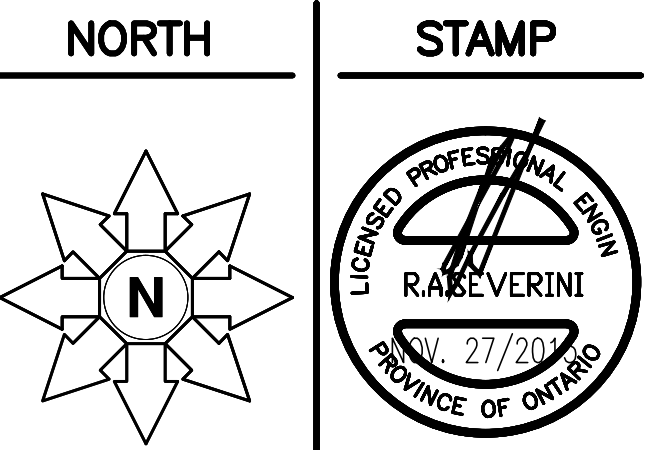
OPERATION DESCRIPTION	
Inputs:	2 Conventional Detection zones, 1 Waterflow zone, 1 Manual Release zone, 2 Supervisory zones
Outputs:	1 General Alarm, 1 Waterflow, 1 Release Solenoid, 1 Supervisory Bell
Operation:	Activation of Conventional Detection zone #1 or #2 or Manual Release zone #4 will activate output #3 (Release Solenoid) and output #1 (General Alarm)
	Activation of waterflow zone #3 will activate output #2 (Waterflow) and output #1 (General Alarm)
	Activation of Low Air Supervisory zone #1 or Valve Tamper Supervisory zone #2 will operate output #4 (Supervisory Bell)

REVISIONS		
1.0	ISSUED FOR TENDER	10/15/15
2.0	ISSUED FOR TENDER ADDENDUM #1	10/23/15
3.0	ISSUED FOR CONSTRUCTION	11/27/15

NOTES



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PROJECT
AQUAVISTA

MERCHANTS WHARF
TORONTO, ONTARIO

DWG TITLE

FIRE PROTECTION
DETAILS

DATE	11/27/2015	PROJECT NO.	15-678
SCALE	1/8"=1'-0"	DWG NO.	SP21A
OWN BY	D.S.	ISSUED FOR PROJECT NO.	3.0
		OF SP21	