

SECONDARY SOFTENER

DIMENSIONS	: 9'-0" DIA. X 6'-6" S.S
DESIGN PRESSURE	: 115 PSIG (BOT)/110 PSIG (TOP)
LINED WITH	: FNGARD 482
RESIN CAPACITY	: 243 FT3
DESIGN TEMP	: 250°F
CAPACITY	: 604 FT3

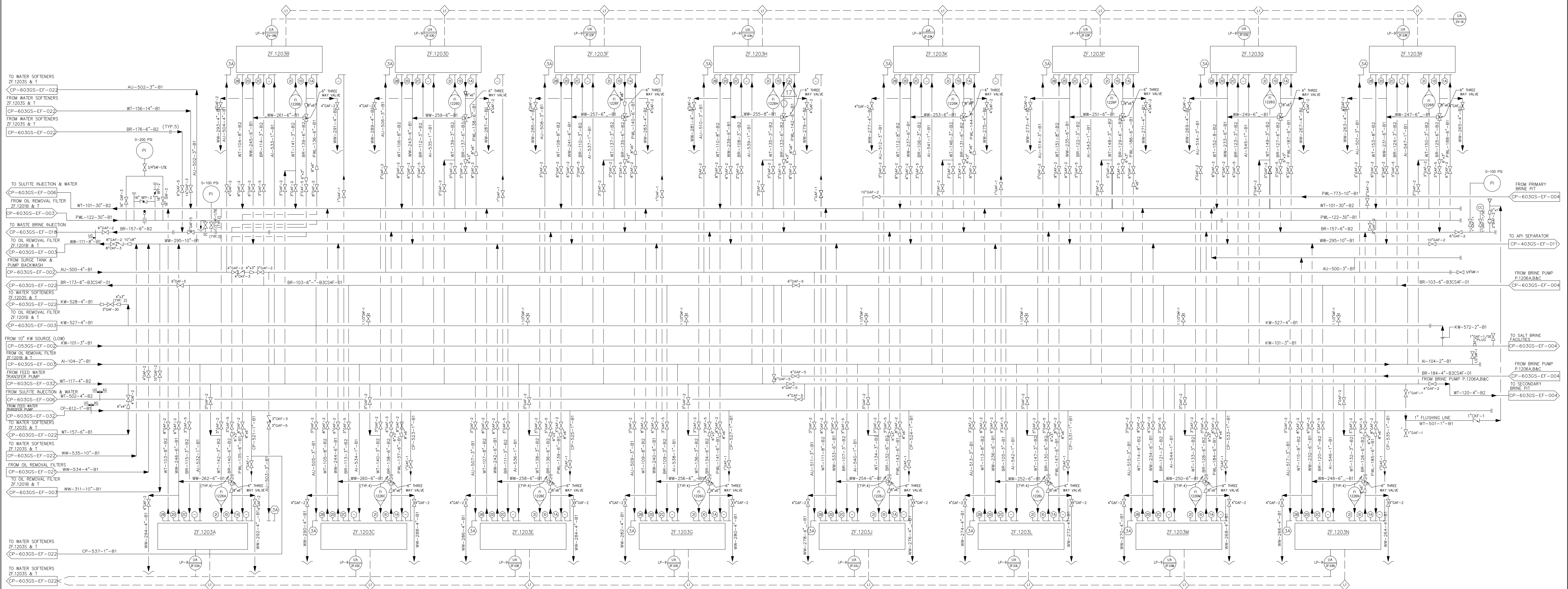
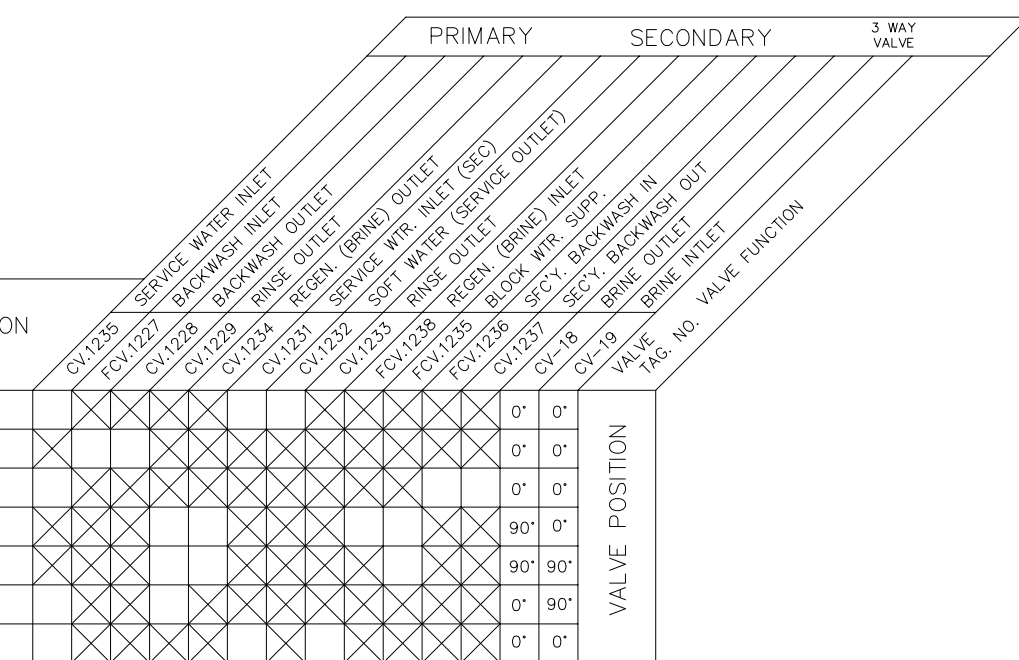
TYPICAL INSTRUMENT SCHEMATIC

The diagram illustrates the electrical and pneumatic connections for a water softening system. Key components and their typical specifications are as follows:

- SOFTENER MAIN PANEL:**
 - Valves: XI (Service Time), gPAH, YQAH.
 - Indicators: W51 & W52.
 - Lamps: (TYP. 12).
 - Relays: R, R, R, R.
- PRIMARY SOLENOID PANEL:**
 - Valve: SOV 1202A.
 - Position Switch: VALVE OPEN POSITION SWITCH (TYPICAL).
- SECONDARY SOLENOID PANEL:**
 - Valve: SOV 200B.
 - Position Switch: VALVE OPEN POSITION SWITCH (TYPICAL).
- INTERLOCK PANEL:**
 - Connection: FROM FTS FOR BRINE & SERVICE WATER.
- BATCH PANEL:**
 - Connection: FROM FTS FOR BRINE & SERVICE WATER.
- Typical Valve Specifications:**
 - CV: 1235A,B,C,D ETC
 - FCV: 1227
 - CV: 1228
 - CV: 1229
 - CV: 1234
 - CV: 1235
 - CV: 1236
 - CV: 1237
 - CV: 1233
 - FCV: 1230
 - FCV: 1250

OPERATION STEP	SOFTENER FUNCTION MODE
6	NORMAL SERVICE
1	BACKWASH (PRIMARY)
REF	BACKWASH (SECONDARY)
2	REGENERATION (BRINE INTRO)
3	BRINE DISPLACEMENT (PRIM'Y)
4	RINSE (PRIMARY)
5	RINSE (SECONDARY)

8037.ZF. 1203 A
WATER SOFTENERS



1. ALL EQUIPMENT, INSTRUMENT AND LINE NUMBERS ON THIS DRAWING HAVE THE PREFIX 8033 UNLESS OTHERWISE NOTED.	4. BACKWASH OF SECONDARY SOFTENERS TO BE CARRIED OUT AUTOMATICALLY BY PUSH BUTTON FURNISHED ON THE PANEL.	6. THE PDI ON ZF-1203A HAS BEEN DEMOLISHED
2. THE LETTERS 'I' & 'O' ARE NOT USED IN THE EQUIPMENT NUMBERING SYSTEM.	5. PSV'S FOR SOFTENING PACKAGE UNITS ZF-1203B THRU ZF-1203K TO BE TAGGED 1212B, 1212C,.....1212K FOR PRIMARY SOFTENER A & 1213B, 1213C.....1213K FOR SECONDARY SOFTENER.	7. THE N4 ON ZF-1203A IS BUNDLED ONLY
3. FOR STANDARD P&ID LEGEND SEE THE FOLLOWING DRAWINGS: (a) FOR PIPING & EQUIPMENT : Dwg. No. CP-0500N-FF-002 (b) FOR INSTRUMENTATION : CP-0500N-FF-003		8. THE FIT-1230 # ON ZF-1203A HAS BEEN DEMOLISHED

1. ONLY 2 PACKAGED SOFTENER UNITS ARE TO BE IN "REGENERATION" AT A TIME

[illegible]

DRAWN	MST. 06/09/86
CHECKED	WW. 31/10/86
DESIGN ENGR.	INP. 13/09/86
DESIGN TEAM LEADER	
PROJECT ENGR.	IHR. 22/10/86 OK 23/10/86
OPR'G DEPT.	

ITC NO.	21/0E-PMF/RP/2011 21/0E-PMF/2011
SCALE :	NTS
SIZE :	
DRAWING NO.	

DRAWN WITH CAD
NEVER CHANGE THIS
DRAWING BY HAND

CAD

-EF-005-18

