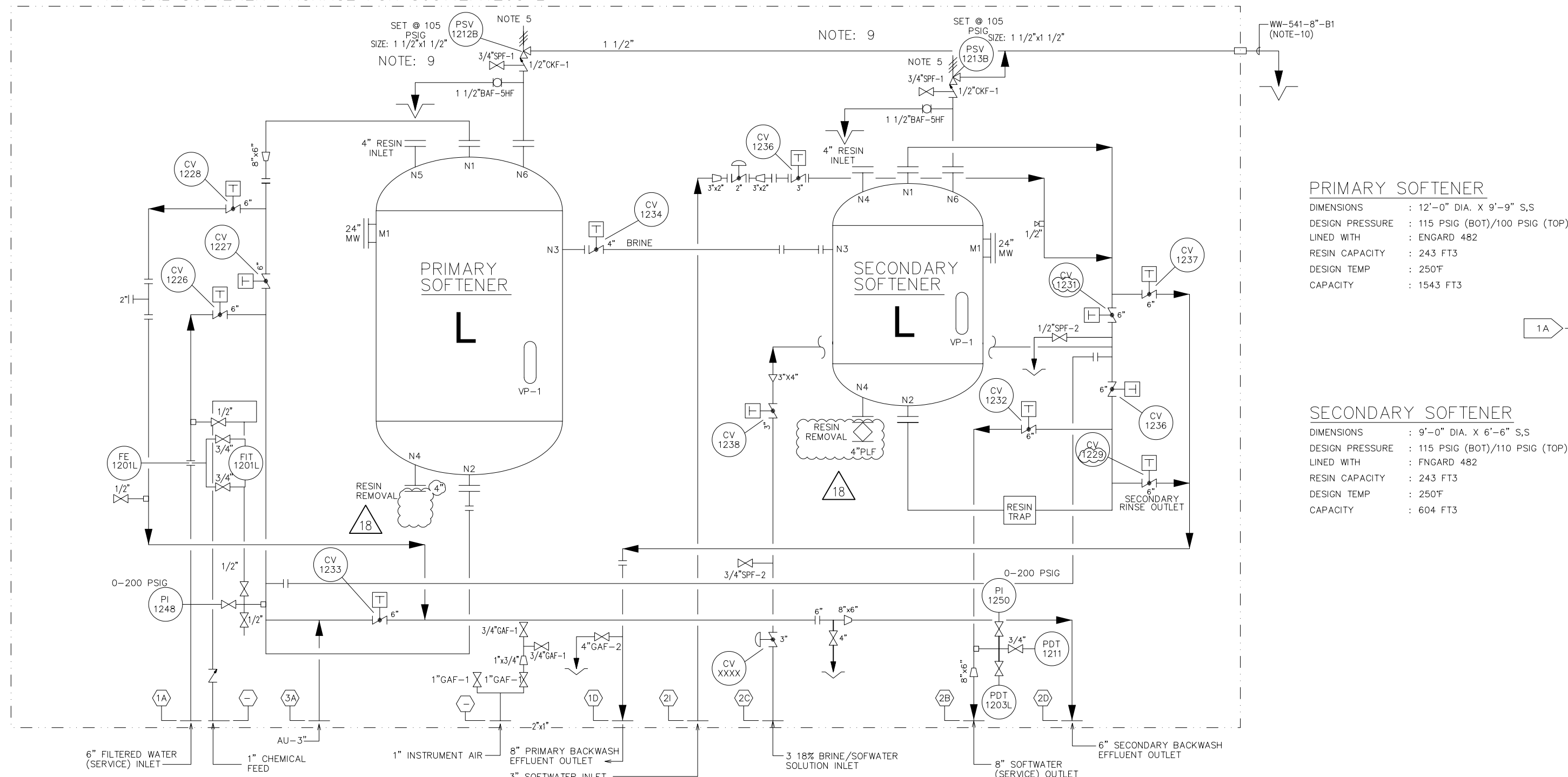


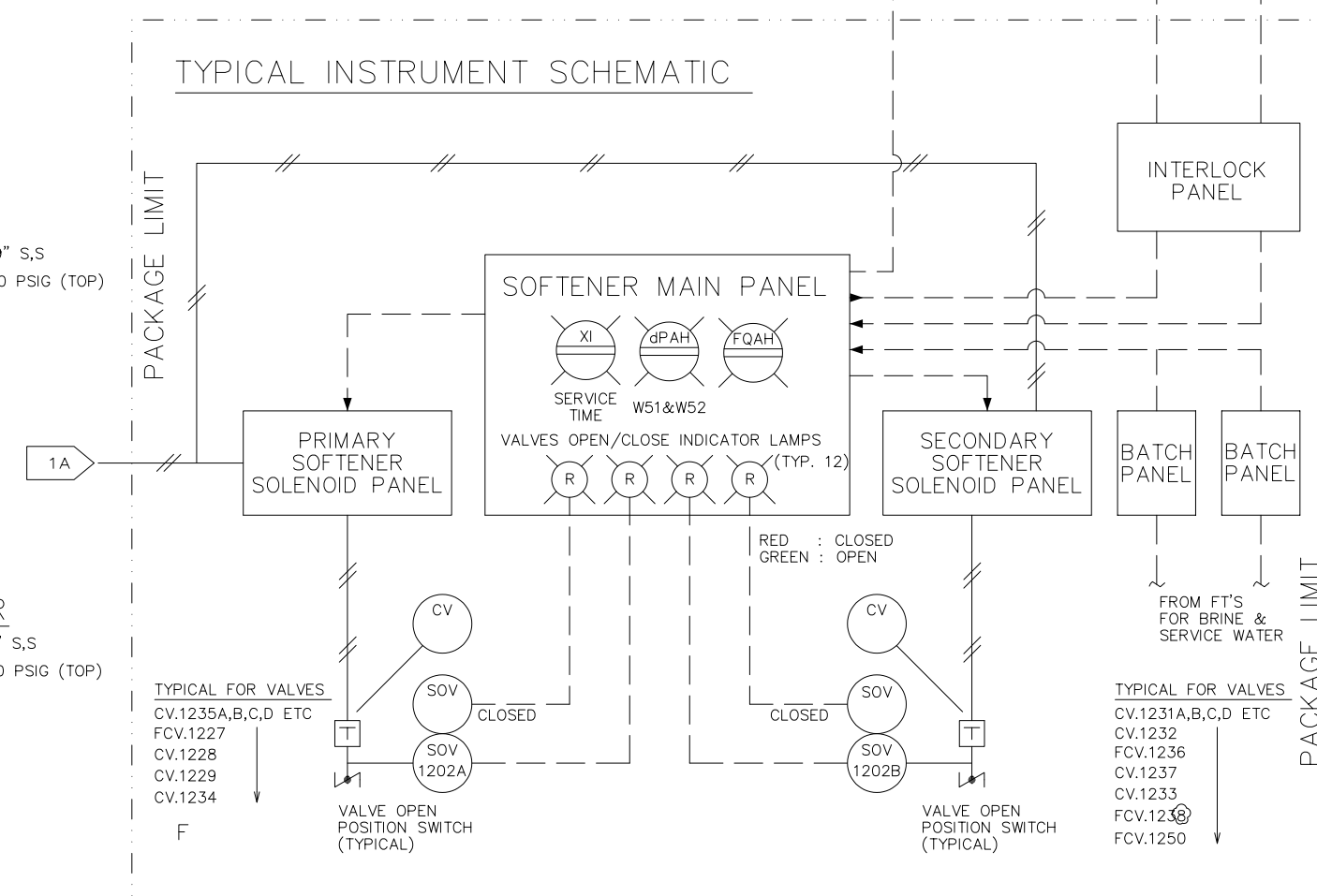
TYPICAL SOFTENER PACKAGE FOR 8037.ZF.1203 L



PRIMARY SOFTENER	
DIMENSIONS	: 12'-0" DIA. X 9'-9" S.S.
DESIGN PRESSURE	: 115 PSIG (BOT)/100 PSIG (TOP)
LINED WITH	: ENGARD 482
RESIN CAPACITY	: 243 FT3
DESIGN TEMP	: 250°F
CAPACITY	: 1543 FT3

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

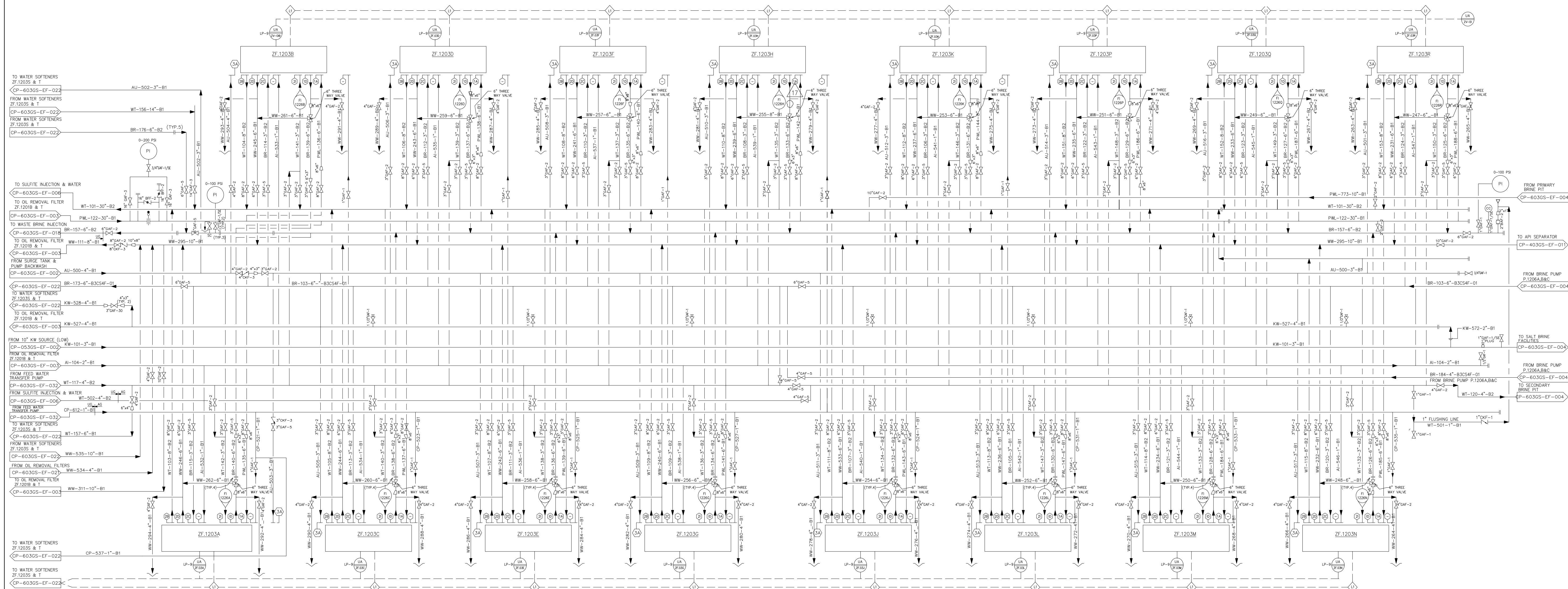


CONTROL VALVES SEQUENCE CHART

OPERATION STEP	SOFTENER FUNCTION MODE	VALVE POSITION												VALVE POS. NO.	VALVE
		CV125	CV122	CV120	CV118	CV116	CV114	CV112	CV110	CV108	CV106	CV104	CV102		
6	NORMAL SERVICE													0°	0°
1	BACKWASH (PRIMARY)													0°	0°
REF	BACKWASH (SECONDARY)													0°	0°
	REGENERATION (BRINE INTRO)													90°	0°
3	BRINE DISPLACEMENT (PRIM'Y)													90°	90°
4	RINSE (PRIMARY)													0°	90°
5	RINSE (SECONDARY)													0°	0°

☐ INDICATION VALVE IN OPEN POSITION

☒ INDICATION VALVE IN CLOSED POSITION



NOTES:

- | | | |
|---|---|---|
| 1. ALL EQUIPMENT, INSTRUMENT AND LINE NUMBERS ON THIS DRAWING HAVE THE PREFIX R73 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 SOTTENING PACKAGE UNITS ZF-1203B THRU ZF-1203JK TO BE TAGGED 1212B, 1212C,.....1212K FOR PRIMARY SOFTENER A & 1213B, 1213C.....1213K FOR SECONDARY SOFTENER. | 7. THE N4 ON ZF-1203A IS BLUNDED ONLY |
| 3. FOR STANDARD PAID LEGEND SEE THE FOLLOWING DRAWINGS
- FOR PIPING & EQUIPMENT : DWG. NO. CH-0500N-FI-002
- FOR INSTRUMENTATION : DWG. NO. CP-0500N-FI-003 | | 8. THE FIT.1230 # ON ZF-1203A HAS BEEN DEMOLISHED |

9. PSV SIZE:
SOFTENER # 1203 L (PRIMARY: 1 1/2"x1 1/2"), (SECONDARY: 1 1/2"x1 1/2")

10. LINE NO. WW-541-8"-B1 TO BE USE FOR WATER SOFTENER ZF.1203 P, Q & R

INTERLOCK NOTES:

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

[illegible]

REFERENCE DRAWINGS

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

DRAWING TITLE

PIPING & INSTRUMENT DIAGRAM
WATER SOFTENERS
WATER TREATMENT PLANT
CENTRAL GATHERING STATION
DURI AREA-3

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

CP-603GS-EF-005-18

DRAWN WITH CAD
NEVER CHANGE THIS
DRAWING BY HAND

CAD