

1-09-W

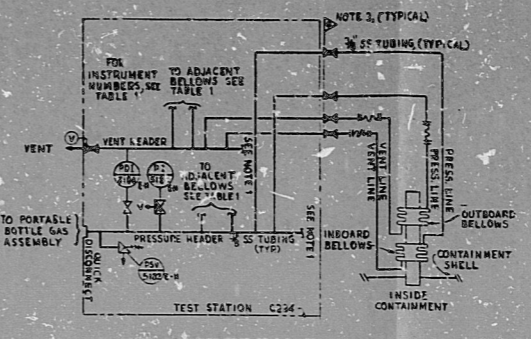
SYSTEM GP

TABLE 1
LOCAL LEAKAGE RATE TEST STATIONS FOR EXPANSION BELLOWS

STATION C230 (EL. 77'-0" AZIM. ~ 56°)	PENETRATIONS: P230A, P230B
STATION C231 (EL. 77'-0" AZIM. ~ 132°)	PENETRATIONS: P231A, P231B
STATION C232 (EL. 77'-0" RM. 4215 N. WALL)	PENETRATIONS: P232A, P232B
STATION C233 (EL. 77'-0" AZIM. ~ 307°)	PENETRATIONS: P233A, P233B
STATION C234 (EL. 102'-0" RM. 4315 N. WALL)	PENETRATIONS: P234A, P234B, P234C, P234D, P234E, P234F
STATION C235 (EL. 102'-0" RM. 4330 N. WALL)	PENETRATIONS: P235A, P235B, P235C, P235D, P235E, P235F
STATION C236 (EL. 102'-0" RM. 4328 N. WALL)	PENETRATIONS: P236A, P236B, P236C, P236D, P236E, P236F
STATION C237 (EL. 145'-0" RM. 4504 N. WALL (C237))	PENETRATIONS: P237A, P237B, P237C, P237D, P237E, P237F

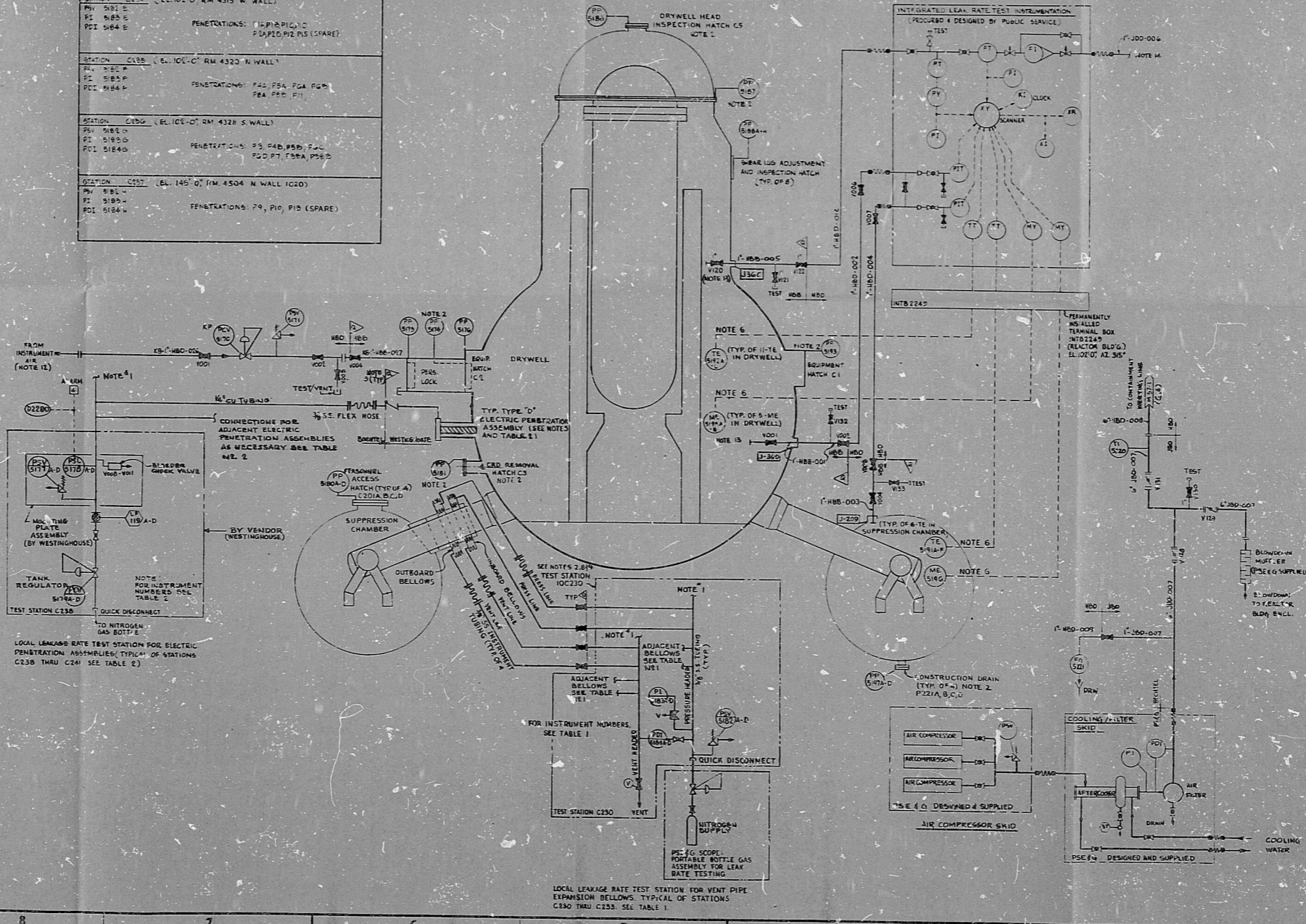
TABLE 2
LOCAL LEAKAGE RATE TEST STATIONS FOR ELECTRIC PENETRATION ASSEMBLY

STATION C238 (EL. 102'-0" AZIM. ~ 45°)	PENETRATIONS: W100A, W100B, W100C, W100D, W100E, W100F, W100G, W100H, W100I, W100J, W100K, W100L, W100M, W100N, W100O, W100P, W100Q, W100R, W100S, W100T, W100U, W100V, W100W, W100X, W100Y, W100Z
STATION C239 (EL. 102'-0" AZIM. ~ 135°)	PENETRATIONS: W100A, W100B, W100C, W100D, W100E, W100F, W100G, W100H, W100I, W100J, W100K, W100L, W100M, W100N, W100O, W100P, W100Q, W100R, W100S, W100T, W100U, W100V, W100W, W100X, W100Y, W100Z
STATION C240 (EL. 102'-0" AZIM. ~ 210°)	PENETRATIONS: W100A, W100B, W100C, W100D, W100E, W100F, W100G, W100H, W100I, W100J, W100K, W100L, W100M, W100N, W100O, W100P, W100Q, W100R, W100S, W100T, W100U, W100V, W100W, W100X, W100Y, W100Z
STATION C241 (EL. 102'-0" AZIM. ~ 307°)	PENETRATIONS: W100A, W100B, W100C, W100D, W100E, W100F, W100G, W100H, W100I, W100J, W100K, W100L, W100M, W100N, W100O, W100P, W100Q, W100R, W100S, W100T, W100U, W100V, W100W, W100X, W100Y, W100Z



NO.	REFERENCE DRAWINGS	DATE/REV.	DESCRIPTION
1	CONCRETE REINFORCEMENT SCHEDULE (C-0923-001)		
2	CONCRETE REINFORCEMENT SCHEDULE (C-0923-002)		
3	ELECTRICAL PENETRATION ASSEMBLY (E-0923-001)		
4	LOGIC DIAGRAM		
5	NOTES		

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- NOTES:**
1. LEAKAGE BRANCHES ARE 1/2" O.D. FOR EACH STATION AS INDICATED (SEE TABLE NO. 1 AND NO. 2).
 2. ALL PRESSURE TEST CONNECTIONS (PT) ARE FOR TESTING PURPOSES TO 1/2" ING. SEAL.
 3. THE VALVE CLOSEST TO EACH PENETRATION OR TEST CONNECTION (MATCH OR BELLOWS) IS THE O-RING VALVE.
 4. SEE CIVIL DRAWINGS C-0923-001 AND C-0923-002 FOR IDENTIFICATION OF THE PENETRATIONS.
 5. A PRESSURE INDICATOR, NOT SWAY, AND ISOLATION VALVE IS SUPPLIED WITH EACH ELECTRIC PENETRATION ASSEMBLY. SEE LISTING 3 FOR DETAILS.
 6. PERMANENTLY INSTALLED INDIVIDUAL TERMINAL BOXES SHALL BE PROVIDED FOR EACH PENETRATION. CONNECTIONS ARE PROVIDED FOR REMOVAL, REPAIR AND RE-INSTALLATION. THESE INSTRUMENTS WILL BE SUPPLIED BY FIELD.
 7. ALL TUBING PENETRATIONS PER DRAWING NO. 10895-201 (10895-201-001) EXCEPT SERVICE AIR WHICH IS FOR TANK CLEAR PRESSURE DRAWING NO. 10895-201-002.
 8. O-LISTED ISOLATION VALVE SHALL BE ACCESSIBLE.
 9. TYPICAL PENETRATION DETAILS FOR DOWNCOMER BELLOWS. SEE SHEET DETAILS FOR OTHER PIPE BELLOWS CONFIGURATIONS.
 10. UNLESS OTHERWISE NOTED, ALL MATERIAL SUPPLIED SHALL BE AS SHOWN.
 11. THIS P&ID CONTAINS SYSTEMS OR PORTIONS OF SYSTEMS:
 12. CONNECTION TO INSTRUMENT AIR SHALL BE INSTALLED BY FIELD.
 13. LEAK LINES IN REGENERATION 3/4 ARE TO EXTEND INTO THE DRYWELL.
 14. VERIFICATION LEAK CONNECTS TO MVS (PAID M-74-1) IN ROOM 4330.

PRC APERTURE CARD

REVISION PER REVISION LOG:	DATE	BY	DESCRIPTION
1	08/20/01	WJG	DESIGNED FOR CONSTRUCTION
2	08/20/01	WJG	REVISED FOR CONSTRUCTION
3	08/20/01	WJG	REVISED FOR CONSTRUCTION
4	08/20/01	WJG	REVISED FOR CONSTRUCTION
5	08/20/01	WJG	REVISED FOR CONSTRUCTION
6	08/20/01	WJG	REVISED FOR CONSTRUCTION
7	08/20/01	WJG	REVISED FOR CONSTRUCTION
8	08/20/01	WJG	REVISED FOR CONSTRUCTION
9	08/20/01	WJG	REVISED FOR CONSTRUCTION
10	08/20/01	WJG	REVISED FOR CONSTRUCTION

DATE: 08/20/01
BY: WJG

BECHTEL
SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
MOPE GREEN GENERATING STATION

P&ID
PRIMARY CONTAINMENT
LEAKAGE RATE TESTING

JOB NO.	DATE	REV.
10855	M-60-1	4 Q

RIDS

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