DRAWING TITLE	DWG #	SH #
24" Globe Body Main Steam Isolation Valve - with Cylinder Operator	AM 20451-H	1 THRU 3
Post Accident Sampling	*BR M0012	1
Flow Diagram - Augmented Off-Gas System	*BR M608	1 & 2
Flow Diagram - HVAC New Radwaste Bldg., Heating Boiler, Augmented Offgas	*BR M611	1 THRU 3
Flow Diagram - Main, Extraction & Reheat Steam Systems -.	*BR 2002	1 THRU 4
Flow Diagram - Feedwater & Condensate System	*BR 2003	1
Flow Diagram - Demineralized & Condensate Water Transfer System	*BR 2004	1 & 2
Flow Diagram - Vacuum Priming, Reactor & Turbine Bldg., New Radwaste, Emergency, Screen Wash, Circulating, Service Water Systems	*BR 2005	1 THRU 6
Flow Diagram - Closed Cooling Water System, Reactor Bldg., Turbine Bldg., Radwaste, Augmented Offgas	*BR 2006	1 THRU 8
Flow Diagram - Heater Drain Vent & Pressure Relief System	*BR 2007	1 THRU 4
Flow Diagram - Air Extraction & Offgas Systems	*BR 2008	1 & 2
Flow Diagram - H&V Turbine Bldg., Main Stack, Machine Shop, & Storage Bldg.	*BR 2009	1 THRU 3
Flow Diagram - HVAC Office Bldg.(South End, 480V Swg. Rm.), Control Rm. & Cable Spreading Room, Battery Rm. M.G. Set Rm. Ventilation, Chem Labs	*BR 2010	1 THRU 5
Flow Diagram - Drywell Cooling System, Reactor Bldg. Ventilation	*BR 2011	1 THRU 3
Flow Diagram - H&V Old Radwaste Bldg.	*BR 2012	1
Flow Diagram - Service Air System, Instrument Control, Fluid Details NRW Air System	*BR 2013	1 THRU 10
Flow Diagram - Turbine Oil Lube System	*BR 2014	1
Composite Yard Piping Key Plan	BR 2192	1 & 2
Main One Line Diagram Generators	*BR 3001	1 & 2
Auxiliary One Line Diagram - 460 Unit Substation 1A1 & 1B1, 1A2 & 1B2, 1A3 & 1B3, 1E1	*BR 3002	1 THRU 4
AC Vital One Line Diagram MCC 1A2, 1B2, 1AB2	*BR 3013	1 & 2
DC One Line Diagram - Battery Charger & MCC DC-1, Center A & B	*BR 3028	1 & 2
Intake & Turbine Area Excavation & Backfill Plan & Sections	BR 4006	1
DC One Line Diagram - Battery C & MCC DC-2	*EB D 3033	N/A
Flow Diagram - Recirculation Pumps & M/G Set	*GE 107C5339	1
Flow Diagram - Emergency Condenser System	*GE 148F262	1
Flow Diagram -Liquid, Solid & Obsolete Solid Radwaste Collection & Processing	*GE 148F437	1 THRU 18
Flow Diagram - Cleanup Demineralizer System	*GE 148F444	1
Flow Diagram - Reactor Shutdown Cooling System	*GE 148F711	1
Flow Diagram Liquid Poison System	*GE 148F723	1

- * **DENOTES CONTROL ROOM DRAWING**

DRAWING TITLE	DWG #	SH #
Flow Diagram - Containment Spray System	*GE 148F740	1
Flow Diagram - Hydraulic Control Rod Drive, Scram Discharge Volume, Nitrogen Charging Systems	*GE 197E871	1
Flow Diagram - Generator Strator Cooling System	*GE 234R166	1
Flow Diagram - Control Rod Drive System	*GE 237E487	1
Fuel Storage Pool Arrangement Plan & Section A-A, Wall Mount Detail, Storage Vault & Gate Lugs, Rack Hold Bolt Pattem	GE 237E516	1 THRU 4
Elementary Diagram - Reactor Protection System	*GE 237E566	1 THRU 20
Flow Diagran - Drywell and Suppression System	*GE 237E726	1
Flow Diagram - Spent Fuel Pool Cooling	*GE 237E756	1
Flow Diagram - Recirculation System	*GE 237E798	1
Elementary Diagram Containment Spray	*GE 237E901	1 & 2
Elementary Diagram - Reactor Manual Control System	*GE 237E912	1 THRU 8
Arrangement Drywell Equipment	*GE 706E206	1 THRU 3
Elementary Diagram Core Spray System	GE 718E644	2
Elementary Diagram for Auto Depressurization System	*GE 729E182	1 THRU 5
Plant Heat Balance	GE 798D807	1
Heat Balance - 3 Heaters 670 Mw	GE 846D640	1
Process Radiation Monitor System	*GE 846D686	1 & 2
Flow Diagram - Core Spray System	*GE 885D781	1
Symbols & Legend for ISD and Isometric Drawings	GF JCP-19431	N/A
ISFSI Spent Fuel Cask Safe Load Path, El. 119' - 3 "	GU 3C-SKS-110	N/A
General Arrangement - Floor & Equipment Drains - Turbine Building	*GU 3D-151-07-001	1 & 2
General Arrangement - Floor & Equipment Drains Reactor Building	*GU 3D-153-07-001	1 & 2
General Arrangement - Floor & Equipment Drains - Old Radwaste Building	*GU 3D-154-07-001	N/A
General Arrangement - Floor & Equipment Drains - New Radwaste Building	*GU 3D-155-07-001	N/A
General Arrangement - Roof Drains & Overboard Discharge System.	*GU 3D-576-07-001	N/A
General Arrangement- Turbine Bldg. Plan Floor Elevation 0'0" & 3'6"	GU 3E-151-02-001	N/A
General Arrangement- Turbine Bldg. Plan 23'6" Floor Elevation	GU 3E-151-02-003	N/A
General Arrangement: Turbine Bldg. Plan 46'6" Floor Elevation	GU 3E-151-02-005	N/A
General Arrangement: Turbine Bldg. Plan 46'6" Floor Elevation	GU 3E-151-02-006	N/A
General Arrangement: Turbine Bldg. Sections	GU 3E-151-02-007	N/A
General Arrangement: Turbine Bldg. Plan Partial Plans & Sections	GU 3E-151-02-008	N/A
General Arrangement: Turbine Bldg. Plan Partial Plans & Sections	GU 3E-151-02-009	N/A
General Arrangement: RB Plan Floor Elevation (-)19'6"	GU 3E-153-02-001	N/A
General Arrangement: RB Plan Floor Elevation 23'6"	GU 3E-153-02-002	N/A
General Arrangement: RB Plan Floor Elevation 51'3"	GU 3E-153-02-003	N/A
General Arrangement: RB Plan Floor Elevation 75'3"	GU 3E-153-02-004	N/A

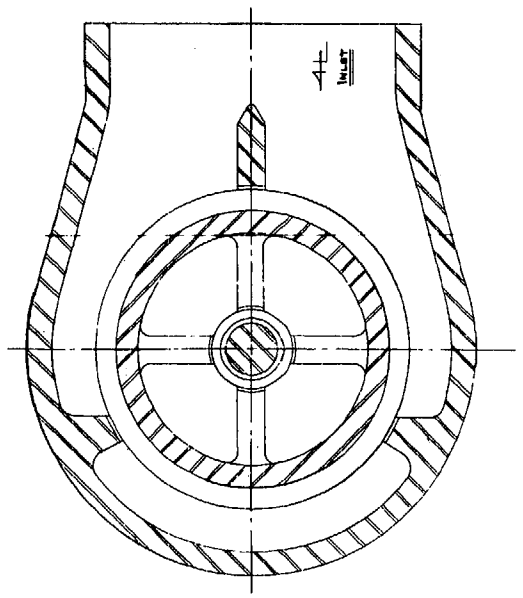
*** * DENOTES CONTROL ROOM DRAWING**

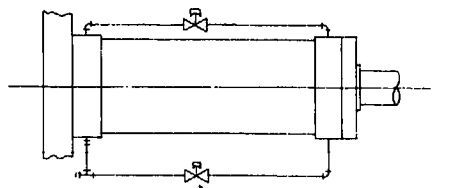
DRAWING TITLE	DWG #	SH #
General Arrangement: PB Plan Floor Elevation 95'3"	GU 3E-153-02-005	N/A
General Arrangement: RB Plan Floor Elevation 119'3"	GU 3E-153-02-006	N/A
General Arrangement: RB Section A-A	GU 3E-153-02-007	N/A
General Arrangement RB Section B-B	GU 3E-153-02-008	N/A
General Arrangement: RB Section C-C, D-D & E-E	GU 3E-153-02-009	N/A
General Arrangement: Old Radwaste Bldg. Plan	GU 3E-154-02-001	N/A
General Arrangement: Old Radwaste Bldg. Roof Plan	GU 3E-154-02-002	N/A
General Arrangement: Old Radwaste Bldg. Sections	GU 3E-154-02-003	N/A
General Arrangement: New Radwaste Bldg. Floor El. 23'6"	GU-3E-155-02-001	N/A
General Arrangement: New Radwaste Bldg. Floor El. 33'0", 35'6", 38'6"	GU 3E-155-02-002	N/A
General Arrangement- New Radwaste Bldg. Floor El. 48'0"	GU 3E-155-02-003	N/A
General Arrangement: New Radwaste Bldg. Sections A-A, B-B & F-F	GU 3E-155-02-004	N/A
General Arrangement-. New Radwaste Bldg. Section C-C, D-D, & E-E	GU 3E-155-02-005	N/A
General Arrangement-. Office Bldg. Plan 23'6" - 35'0" Floor Elevation	GU 3E-156-02-001	N/A
General Arrangement- Office Bldg. Plan 46'6" & Roof Plan Floor Elevation	GU 3E-156-02-002	N/A
General Arrangement Diesel Generator Building Plans El. 23'0" & 37'0"	GU 3E-157-02-001	N/A
General Arrangement Heating Boiler House Plan El. 23'6" & Sections	GU 3E-158-02-001	N/A
General Arrangement Maintenance Building Plan El. 24'6"	GU 3E-162-02-001	N/A
General Arrangement Maintenance Building Plan El. 38'6"	GU 3E-162-02-002	N/A
General Arrangement Maintenance Building Roof Plan	GU 3E-162-02-003	N/A
General Arrangement Pretreatment Bldg. Plan El. 23'6" & Sections	GU 3E-167-02-001	N/A
General Arrangement Intake Structure Plan & Sections	GU 3E-168-02-001	N/A
General Arrangement Chlorination Facilities Plan El. 23'6" & Sections	GU 3E-169-02-001	N/A
General Arrangement Dilution Pumphouse Plan El. 6'0", 11'6" & Sections	GU 3E-170-02-001	N/A
General Arrangement Augmented Offgas Building Plans El. 23'6", El. 38'9"	GU 3E-175-02-001	N/A
General Arrangement Augmented Offgas Building Plans A-A, B-B, & C-C	GU 3E-175-02-002	N/A
General Arrangement Fresh Water Pumphouse & Redundant Fire Protection Pumphouse Plan & Sections	GU 3E-176-02-001	N/A
General Arrangement New Sample Pumphouse Plan & Section A-A	GU 3E-185-02-001	N/A
General Arrangement Machine Shop Plans El. 23'6", 34'6" & Roof	GU 3E-186-02-001	N/A
Emergency Condenser - ISI Boundary Drawing	GU 3E-211-A1-001	N/A
Core Spray System - ISI Boundary Drawing	GU 3E-212-A1-001	1
Liquid Poison System - ISI Boundary Drawing	GU 3E-213-A1-001	1
Recirculation System - ISI Boundary Drawing	GU 3E-223-A1-001	1
Scram Discharge Volume System, Control Rod Drive Hydraulic System & Nitrogen Charging System - ISI Boundary Drawing	GU 3E-225-A1-001	1

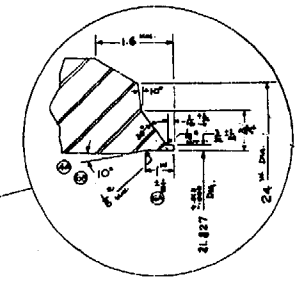
* * **DENOTES CONTROL ROOM DRAWING**

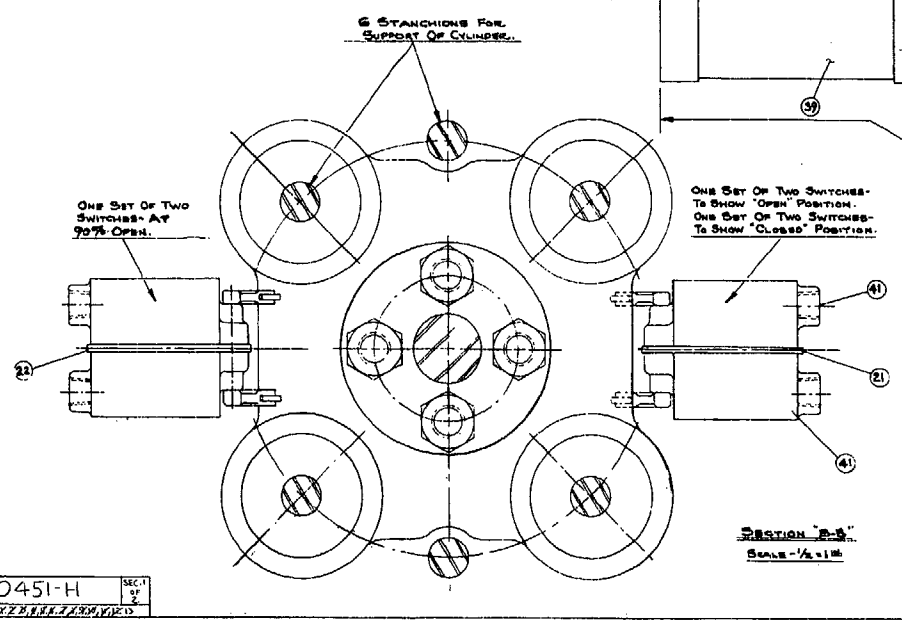
DRAWING TITLE	DWG #	SH #
Control Rod Drive (CRD) & Reactor Head Cooling - ISI Boundary Drawing	GU 3E-225-A1-002	1
Containment Spray System - ISI Boundary Drawing	GU 3E-241-A1-001	1
Drywell & Torus Vacuum Relief System - ISI Boundary Drawing	GU 3E-243-A1-001	1
Spent Fuel Pool Cooling System - ISI Boundary Drawing	GU 3E-251-A1-001	1
Main Steam System - ISI Boundary Drawing	GU 3E-411-A1-001	1 & 2
Condensate Transfer System - ISI Boundary Drawing	GU 3E-424-A1-001	1
Emergency Service Water - ISI Boundary Drawing	GU 3E-532-A1-001	1
Reactor Bldg. Closed Cooling Water System - ISI Boundary Drawing	GU 3E-541-A1-001	1 THRU 4
Flow Diagram - Radiation Monitoring System RAGEMS- I Stack	*GU 3E-661-21-1000	1
Emergency Power System On Line Diagram	*GU 3E-743-11-001	N/A
Flow Diagram - Standby Gas Treatment	*GU 3E-822-21-1000	1
Flow Diagram - Diesel Generator Fuel Oil Storage & Transfer System	*GU 3E-862-21-1000	1
Flow Diagram - Domestic Water & Pretreatment System	*GU 3E-871-21-1000	1 THRU 3
Radwaste Cask FSV-1 Safe Load Path RB Plan Floor Elevation 119'3"	GU 3E-882-06-001	N/A
Radwaste Cask VNDB 355 Safe Load Path RB Plan Floor Elevation 119'3"	GU 3E-882-06-002	N/A
Flow Diagram - Fire Protection Water System	*JC 19479	1 THRU 4
Site Plan	*JC 19702	1
Core Spray/RBCCW Drywell Isolation System Elementary	*NU 5060E6003	1 THRU 5
North Yard Domestic & Potable Water System	SN 15050-110-PID-050	N/A

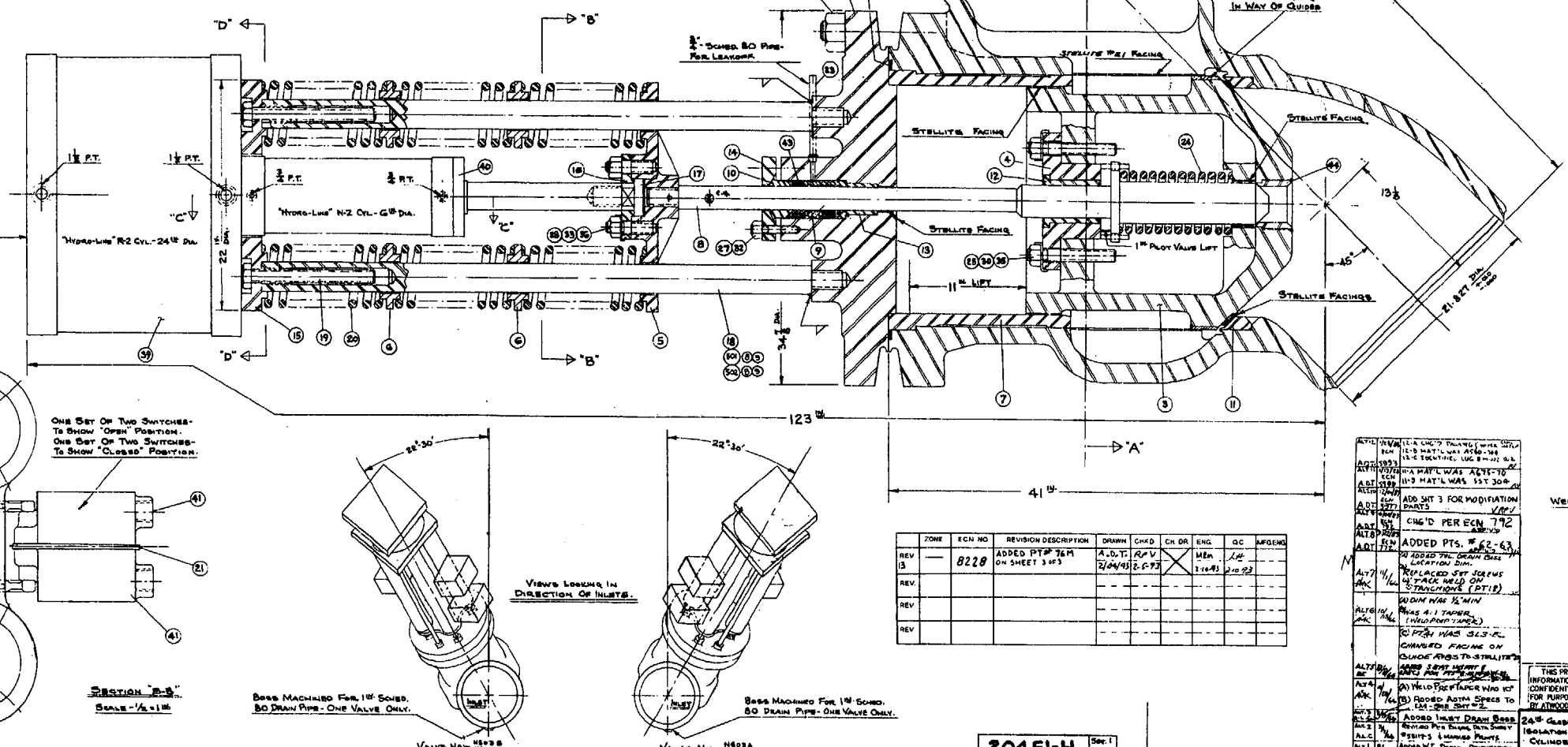
* DENOTES CONTROL ROOM DRAWING











WEIGHT OF VALVE - 10,000# (APPROX)

PATENT APPLIED FOR

	ZONE	ECN NO	REVISION DESCRIPTION	DRAWN	CHKD	CH. DR	ENG	QC	MFG ENG
REV 13	—	8228	ADDED PT# 76M ON SHEET 3 OF 3	A.D.T. 2/04/93	RPV 2-5-93	☒	MEM 2-10-93	LH 2-10-93	
REV.									
REV									
REV									

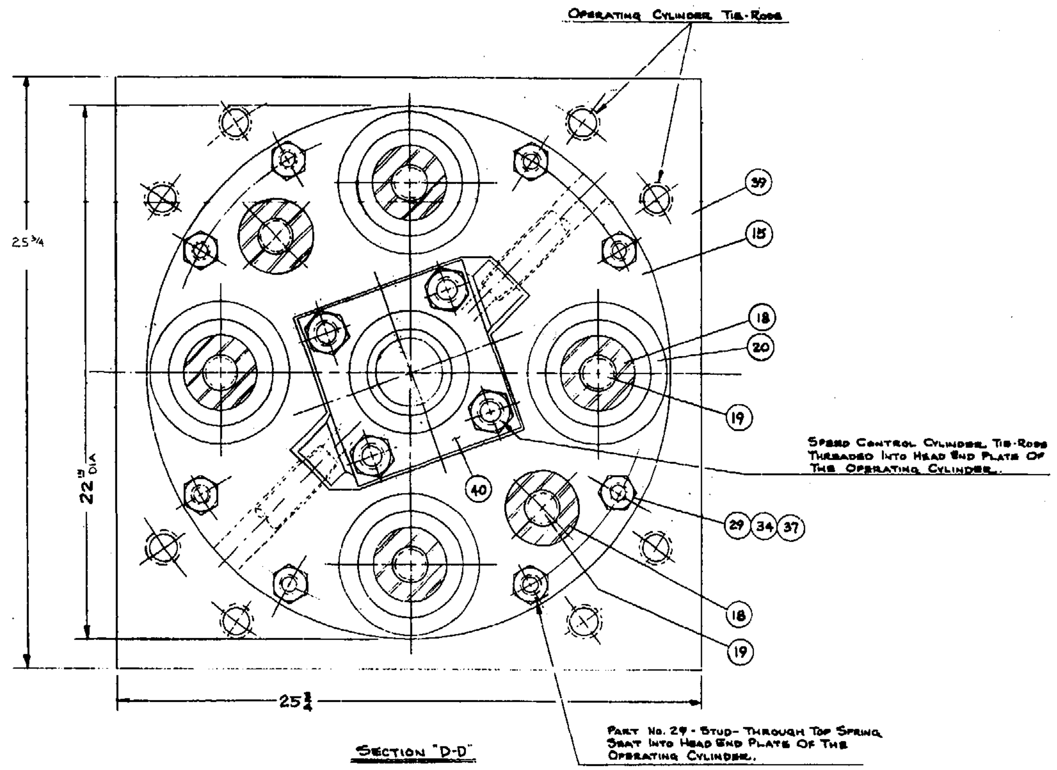
ALT 12 A.D.T.	[illegible] ECN 5993	12-A CHG'D PACKING (WAS [illegible]) 12-B MAT'L WAS A560-308 12-C IDENTIFIED LUG [illegible]
ALT 11 A.D.T.	4/13/[illegible] ECN 5909	11-A MAT'L WAS A675-70 11-B MAT'L WAS SST 304
ALT 10 A.D.T.	12/4/87 ECN 5377	ADD SHT 3 FOR MODIFIATION PARTS
ALT 9 A.D.T.	4/06/83 ECN 792	CHG'D PER ECN 792
ALT 8 A.D.T.	2/22/83 ECN 772	ADDED PTS. #62-63
ALT 7 AK	11/1/66	(A) ADDED 7/16 DRAIN BOSS LOCATION DIM. (B) REPLACED SET SCREWS W/ TACK WELD ON STANCHIONS (PT 18)
ALT 6 AK	10/13/66	(A) DIM WAS 1/2" MIN (B) WAS 4:1 TAPER (WELD PREP TAPER)
ALT 5 BK	8/9/66	(C) PT 24 WAS SL3-R. CHANGED FACING ON GUIDE RIBS TO STELLITE #21 ADDED SEAT WEIGHT & [illegible] FOR PTS [illegible]
ALT 4 AK	4/29/66	(A) WELD PREP TAPER WAS 10° (B) ADDED ASTM SPECS TO LM - SEE SHT #2
ALT 3 A.L.C.	3/16/66	ADDED INLET DRAIN BOSS
ALT 2 A.L.C.	3/1/66	REVISED PER ENG. DATA SHEET #5817-3 & CHANGED PRINTS
ALT 1 A.L.C.	2/14/66	ADDED W.C. DETAIL - ORIENTATION VIEWS - LEAKOFF PIPE & SHEET #2. PACKING WAS 8a. TYPE

THIS PRINT IS THE PROPERTY OF & CONTAINS PROPRIETARY INFORMATION OF ATWOOD & MORRILL CO. AND IS TO BE KEPT CONFIDENTIAL. REPRODUCTION OF ANY PART THEREOF OR USE FOR PURPOSES OTHER THAN THOSE EXPRESSLY DESIGNATED BY ATWOOD & MORRILL CO. IS NOT PERMITTED.

24" GLOBE BODY MAIN STEAM ISOLATION VALVE - WITH CYLINDER OPERATOR	DRAWN A.G.W.	SCALE 1/4=1IN
	APP'VD	S/M 10854
	DATE 8-2-65	PATT.
ATWOOD & MORRILL CO. SALEM, MASS.	20451-H	

SHEET 1 OF 2

20451-H SEC. 1 OF 2
ALT. X 2 3 4 5 6 7 8 9 10 11 12 13



Section "D-D"

* CENTRIFUGALLY CAST

LIST OF MATERIAL

	NO.	NAME OF PART	MATERIAL
	1	BODY	CAST STEEL ASTM A216 WCB
	2	COVER	CAST STEEL ASTM A216 WCB
	3	POPPET	CAST STEEL ASTM A216 WCB
	4	POPPET CAP	CAST STEEL ASTM A216 WCB
	5	BOTTOM SPRING SEAT	CAST STEEL ASTM A216 WCB
	6	SPRING SPACER	CAST IRON ASTM A106 CLB
*	7	BODY LINER	ST. ST. 440C
(9)	8	VALVE STEM	ST. ST. ASTM A564 630
	9	LANTERN GLAND	ST. ST. ASTM A276 416
	10	GLAND	ST. ST. ASTM A276 416
	11	BODY RING	STEEL ASTM A285 GRC
	12	POPPET CAP BUSHING	STELLITE #6
	13	COVER BUSHING	STELLITE #6
	14	GLAND PLATE	STEEL ASTM A285 GRC
	15	TOP SPRING SEAT	STEEL ASTM A7
	~~16~~	~~BOTTOM SPRING SEAT~~	~~STEEL ASTM A7~~
	17	PISTON ROD END	STEEL ASTM A331 GR4140
(9)	18	YOKE RODS	STEEL ASTM GR 4140
	19	PULL-DOWN BOLTS	STEEL ASTM A331 GR4140
	20	SPRINGS	STEEL 1095
	21	SWITCH BRACKET	STEEL ASTM A7
	22	SWITCH BRACKET	STEEL ASTM A7
	23	LEAKOFF PIPE	STEEL ASTM 106 GR B
	24	INTERNAL SPRING	INCONEL - X
	25	STUDS - POPPET	STEEL-ASTM A193-B8C (90 ROCK B MAX)
(9)	26	STUDS - COVER	STEEL-ASTM A193-B16
	27	STUDS - GLAND	STEEL ASTM A193-B7
	28	STUDS - BOTTOM SPRING SEAT	STEEL ASTM A193-B7
	29	STUDS - TOP SPRING SEAT	STEEL-ASTM A193-B7
	30	HEX. NUTS - POPPET	STEEL-ASTM A194-6 or 8C (90 ROCK B MAX)
(9)	31	HEX. NUTS - COVER	STEEL-ASTM A194-7
	32	HEX. NUTS - GLAND	STEEL-ASTM A194-2H
	33	HEX. NUTS - BOTTOM SPRING SEAT	STEEL-ASTM A194-2H
	34	HEX. NUTS - TOP SPRING SEAT	STEEL-ASTM A194-2H
	36	LOCKING PLATES - POPPET CAP	INCONEL 600
	36	LOCKING PLATES - BOT. SPRING SEAT	STEEL ASTM A7
	37	LOCK WASHERS - TOP SPRING SEAT	STEEL COM'L
	38		
	39	OPERATING CYLINDER	"HYDROLINE" #R2KX
	40	SPEED CONTROL CYLINDER	"HYDROLINE" #N2K
	41	INDICATING SWITCHES	"NATIONAL ACME" #SCBC58W
	42	GASKET	"FLEXITALLIC" (SEST TYPE 304 & ASB)
	43	PACKING	"G-P" #201-900
(9)	44	SEAT INSERT	STEEL A105
(9)(8)	501	BUSHING	STEEL 1117
(9)(8)	502	KEY	STEEL 1095

	ZONE	ECN NO	REVISION DESCRIPTION	DRAWN	CHKD	CH DR	ENG	QC	MFG ENG
REV 13	—	8228	SEE SHEET 1&3	A.D.T. 2/04/93	RFV 2-5-93	X	MEM 2-4-93	[illegible]	
REV 14									
REV 15									
REV 16									

ALT 12 A.D.T.	ECN 5993	SEE SHEET 1
ALT 11 A.D.T.	ECN 5100	SEE SHEET 1
ALT 10 A.D.T.	12/01/87 ECN 1877	SEE SHEET 1
ALT 9 A.D.T.	ECN	SEE SHEET 1 APP'V'D
ALT 8 A.D.T.	ECN 772	SEE SHEET 1 APP'V'D
ALT 7	11/1/66	REMOVED PT #38 (SET SCREWS) SEE ALSO SHT 1
ALT 6	10/13/66	CHGD WELD PREP TAPER (SHT 1)
ALT 5		(C) PT #41 WAS SCB-B2. CHANGED PASSING ON BODY. GUIDE RIBS TO STELLITE #21. ADDED SEAT INSERT & [illegible]
ALT 4	4/20/66	(A) ADDED ASTM SPEC. TO PT NO 8-11, 14-23 and 36 (SHT 2) (B) CHGD WELD PREP TAPER (SHT 1)
ALT 3 A.L.C.	3/66	ADDED DRAIN BOSS - SHEET 1
ALT 2 A.L.C.	3/66	REVISED PER. BREAK, DATA SHEET & SHT 3 & HANDWHEEL POINTS
ALT 1 A.L.C.	11/10/65	ADDED W.E. DETAIL - ORIENTATION VIEWS - LEAKOFF PIPE 4 SHEET #2. PACKING WAS SU TYPE

PATENT APPLIED FOR

24" GLOBE MAIN STEAM ISOLATION VALVE WITH CYLINDER OPERATOR

ATWOOD & MORRILL CO.
SALEM, MASS.

DRAWN A.C. | SCALE ⅛" = 1" | APP'VD | B/M 10939 | DATE 11-10-65 | PATT.

20451-H

SHEET 2 OF 3

20451-H SHEET 2 OF 3
ALT 1 2 3 4 5 6 7 8 9 10 11 12 13

20451-H SHEET 2 OF 3
ALT 1 2 3 4 5 6 7 8 9 10 11 12 13

PARTS LIST

[illegible]	LINE NO.		NAME	[illegible]	QTY.	DWG.	MATL.	SPEC.	GRADE	NOTES
*	3-M		POPPET				STL FRG'D	SA105		
	4-M		POPPET CAP				STL PLT	A515	70	
*	5-M		BOTT. SPG PLATE				STL PLT	A515	70	
*	8-M	001	STEM				SST	A564	630	HT 1100
*	8 M	002	SPG HOLDER NUT				SST	A276	304	
	8-M	003	PIN				SST	A276	410	
*	8 M	004	PILOT POPPET NUT				SST	A582	416	
	8 M	005	SET SCREW				ALY STL			
	8M	006	SPLIT RING				SST	A564	630	HT 1100
*	8 M	007	PILOT POPPET				SST	SA182	316	
	9-M		LANTERN GLAND				SST	A582	416	
	10-M		GLAND				SST	A582	416	
*	13-M		COVER BUSHING				CO CR W	STELLITE	#6	
*	16-M		DASH POT CONN PLATE				STL	A515	70	
	24-M		INTERNAL SPRING				NI-CR-FE	INCONEL	X-750	
	25-M		BOLT				ALY STL	A193	B-7	

* SAFETY RELATED PARTS

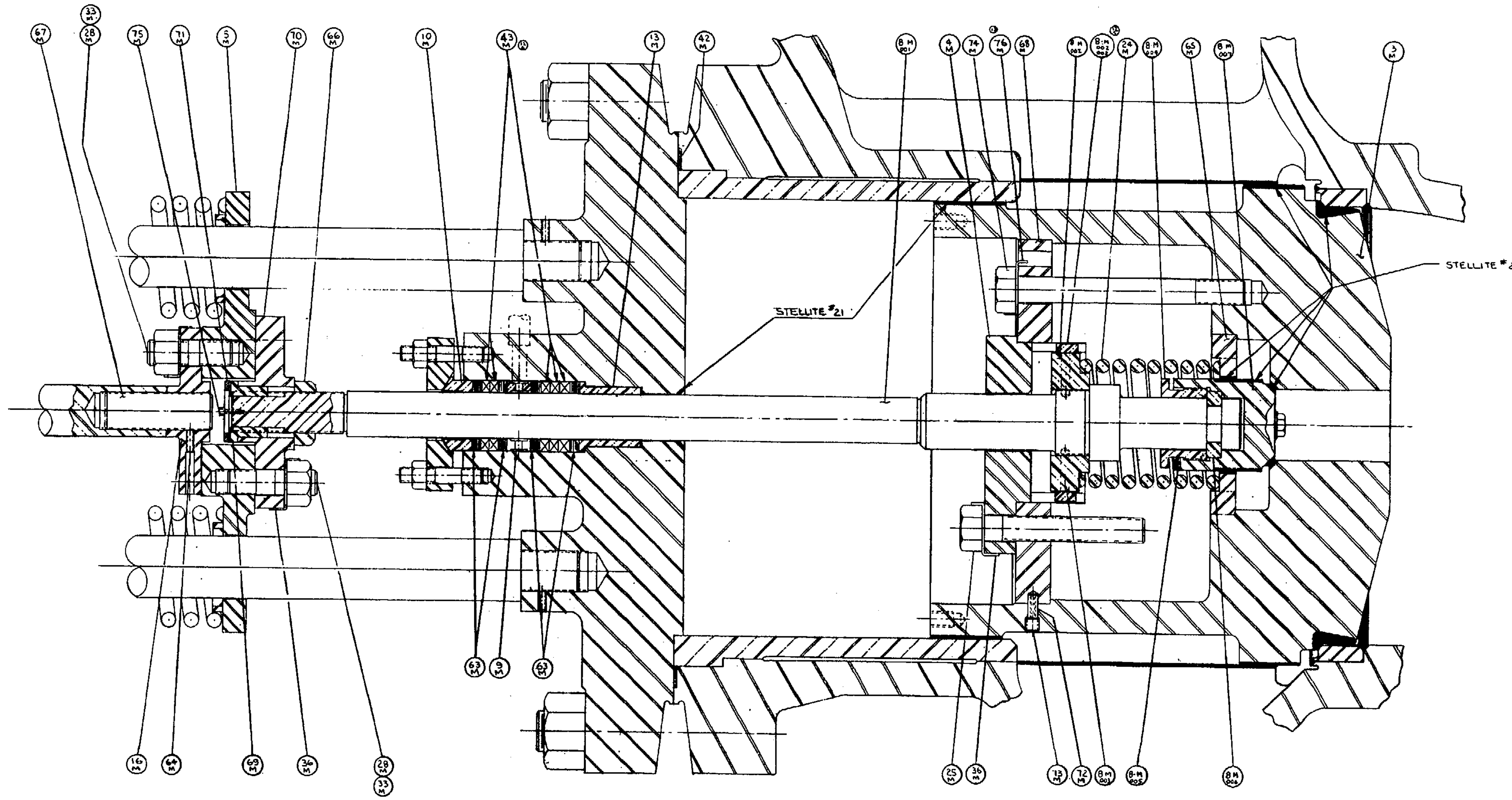
PARTS LIST

[illegible]	LINE NO.		NAME	[illegible]	QTY.	DWG.	MATL.	SPEC.	GRADE	NOTES
*	23-M		STUD				STL	A193	B7	
*	33-M		NUT, HVY HEX				STL	A194	2H	
	36-M		LOCKING PLATE				SST	A240	304	
	42-M		GASKET				SST A68	FLEXITALLIC	304	
	43-M		PACKING				CHESTERTON	STYLE 5300	GTP1	
	63-M		WIPER RING				CHESTERTON	STYLE 1	CL	
	64-M		HEX SOC HD SET SCR				ALY STL			
*	65-M		SPRING RET RING				STL PLT	A515	70	
	66-M		JAM NUT				STL	A194	2H	
	67-M		STUD				ALY STL	A193	B7	
	68-M		POPPET PLATE				STL PLT	A515	70	
	69-M		KEY				SST	A564	630	
*	70-M		STEM CONNECTOR				STL PLT	A515	70	
	~~71-M~~		~~KEY KEEPER~~				~~STL~~	~~A276~~	~~304~~	
	72-M		LOCK DOWEL				SST	A276	304	
	73-M		SET SCR HEX SOC				SST		18-8	

PARTS LIST

[illegible]	LINE NO.		NAME	[illegible]	QTY.	DWG.	MATL.	SPEC.	GRADE	NOTES
	74-M		BOLT				ALY STL	A193	B7	
	75-M		CAP SCR HEX				SST		18-8	
	8-M 002	002	LUG				SST	A276	304	
	76-M		LOCKING PLATE				SST	A240	304	

	ZONE	ECN. NO	REVISION DESCRIPTION	DRAWN	CHKD.		ENG	Q.C.	MFG.ENG
REV. 10	—	5977	SEE SHEET 1	A.D.T. 12/01/87	RPV 12-2-87		[illegible] 12-7-87	[illegible] 12-7-87	
REV. 11	—	5988	SEE SHEET 1	A.D.T. 1/13/88	RPV 1-13-88		[illegible] 1/13/88	BPS [illegible]	
REV. 12	—	5993	SEE SHEET 1	A.D.T. 1/28/88	RPV 1-29-88		MLM 1-29-88	BPS [illegible]	
REV. 13	—	8228	SEE SHEET 1	A.D.T. 2/04/93	RPV 2-5-93		MEM 2-10-93	[illegible] 2-10-93	



CUSTOMER: G.P.U. NUCLEAR
PROJECT : OYSTER CREEK NUCLEAR STATION

THIS PRINT CERTIFIED CORRECT FOR YOUR ORDER	WHEN WRITING IN REGARD TO THIS EQUIPMENT REFER TO
OP057104	30211

SCALE — ; W.T. ; REF. ; 10934 ; SHTS 4(5

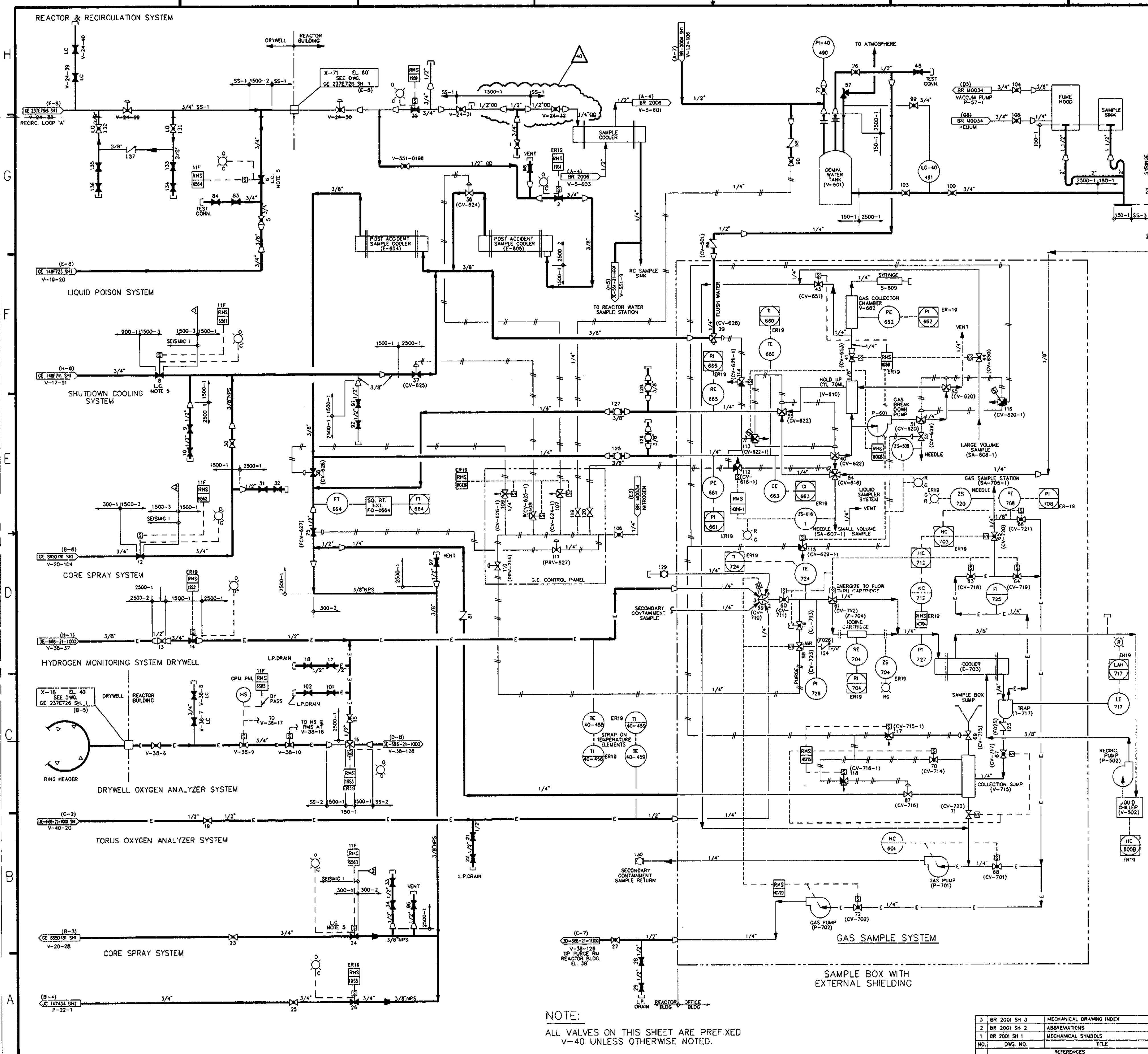
TOLERANCES OF MACHINE DIMENSIONS UNLESS OTHERWISE SPECIFIED	
FRACTIONAL DIMENSIONS	± 1/32
ANGULAR DIMENSIONS	± 1/2°
SURFACE FINISHES	125
ALL CORNERS 1/32 R. OR CHAM. UNLESS OTHERWISE SPECIFIED	

24" GLOBE BODY M.S.I.V. W/CYL OPERATOR, MODIFICATION FOR OYSTER CREEK

ATWOOD & MORRILL CO., INC. SALEM, MASS.

SHEET 3 OF 3

20451-H



NOTE:
ALL VALVES ON THIS SHEET ARE PREFIXED V-40 UNLESS OTHERWISE NOTED.

REV	ZONE	REVISIONS DESCRIPTION
40	H-5	ECD C401102

NOTES:

1. SEE LABELLING NOTE.
2. SAMPLE PIPING AND TUBING BEYOND THE SECOND ISOLATION VALVE SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ANSI B31.1
3. (A) LIQUID LINES SHALL BE CLEANED PER SECTION 4.13.1 OF OCIS 399.00-11
   (B) AIR LINES SHALL BE CLEANED PER SECTION 4.13.2 OF OCIS 399.00-11
4. CONTROL SWITCH TAG NUMBER SHALL HAVE VALVE TAG NUMBER PRECEEDED BY RMS.
5. KEY OPERATED IN CONTROL ROOM.
6. G.E. VALVE AND EQUIPMENT NUMBERS ARE DESIGNATED WITHIN PARENTHESIS
7. SAMPLE PIPING UP TO AND INCLUDING THE SECOND ISOLATION VALVE SHALL BE DESIGNED AND INSTALLED TO SEISMIC CLASS I AS INDICATED.

EXISTING PIPING & TUBING SPECIFICATIONS

SS-1/CS-1 STAINLESS STEEL/CARBON STEEL PIPING SUBJECT TO NUCLEAR SYSTEM DESIGN PRESSURE AND TEMPERATURE 1250 PSIG @ 575F

SS-2 STAINLESS STEEL TUBING DESIGN PRESSURE AND TEMPERATURE 150 PSIG @ 300F

CS-2 CARBON STEEL PIPING. DESIGN PRESSURE AND TEMPERATURE 400 PSIG @ 350F

SS-3 STAINLESS STEEL PIPING. DESIGN PRESSURE AND TEMPERATURE 157 PSIG @ AMBIENT TEMPERATURE.

CS-3 CARBON STEEL PIPING. DESIGN PRESSURE AND TEMPERATURE ATM @ 150F

CS-4 CARBON STEEL PIPING. DESIGN PRESSURE AND TEMPERATURE 150 PSIG @ 133F

LEGEND:

◁ DESIGNATES (S) SAFETY CLASS

NO.	DWG. NO.	TITLE
3	BR 2001 SH 3	MECHANICAL DRAWING INDEX
2	BR 2001 SH 2	ABBREVIATIONS
1	BR 2001 SH 1	MECHANICAL SYMBOLS

REFERENCES

CAD FILE NAME: BR M0012 S1 R40

REVISION 37 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E.555.21.0100.001-.360P

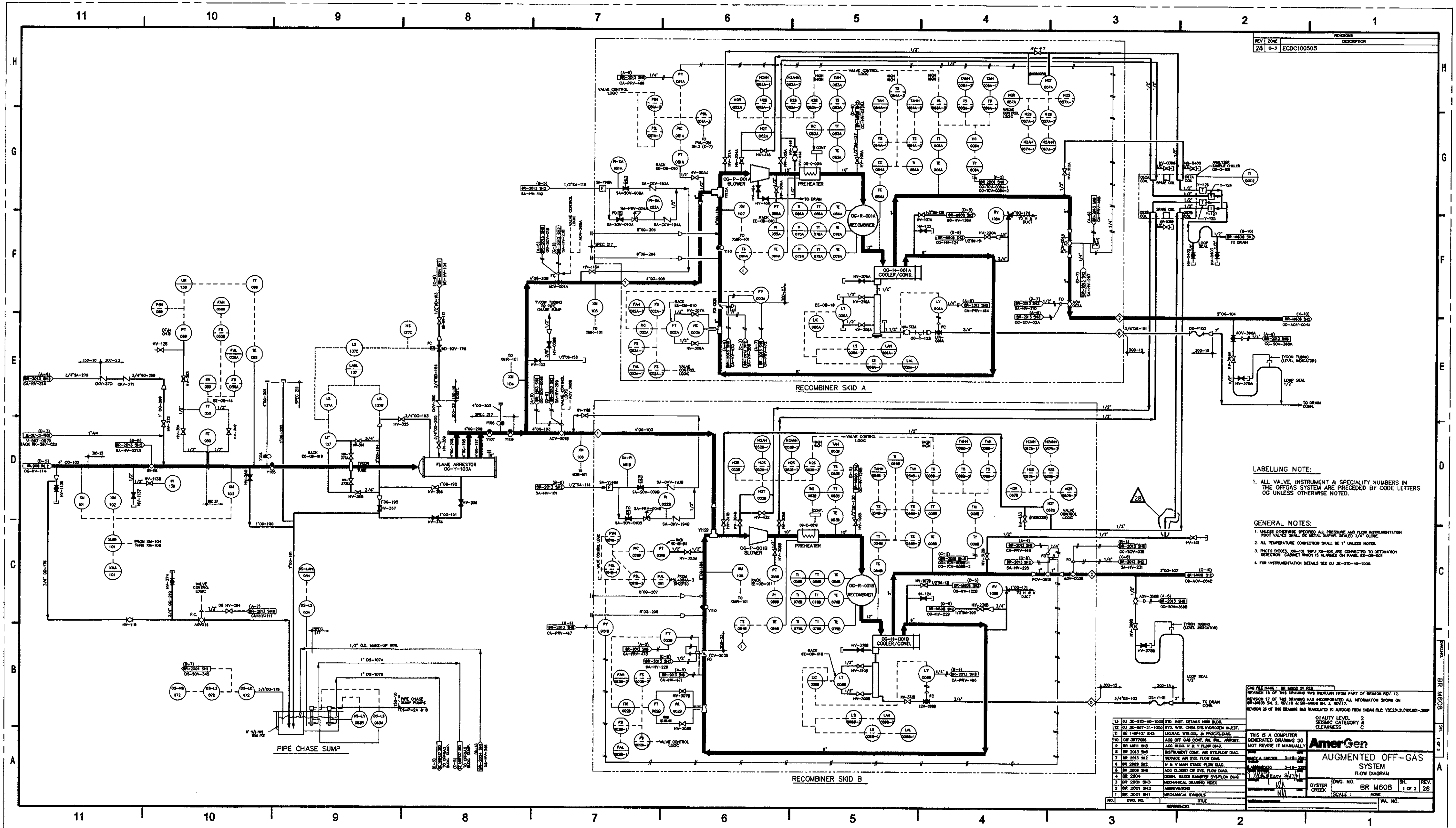
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN: NANCY A. CARLSON 12/20/00
CHECKED: D.ABBRUSCATO 12/20/00
R. LARZI 12/21/00
N/A
N/A

AmerGen

POST ACCIDENT SAMPLING
FLOW DIAGRAM

OYSTER CREEK | DWG. NO. BR M0012 | SH. 1 OF 1 | REV. 40
SCALE : NONE
PIMS # N/A



REV	ZONE	DESCRIPTION
28	D-3	ECDC100505

LABELLING NOTE:

1. ALL VALVE, INSTRUMENT & SPECIALITY NUMBERS IN THE OFFGAS SYSTEM ARE PRECEDED BY CODE LETTERS OG UNLESS OTHERWISE NOTED.

GENERAL NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL PRESSURE AND FLOW INSTRUMENTATION ROOT VALVES SHALL BE METAL DIAPHR. SEALED 3/4" GLOBE.
2. ALL TEMPERATURE CONNECTION SHALL BE 1" UNLESS NOTED.
3. PHOTO DIODES, XM-101 THRU XM-108 ARE CONNECTED TO DETONATION DETECTION CABINET WHICH IS ALARMED ON PANEL EE-OB-001
4. FOR INSTRUMENTATION DETAILS SEE GU 3E-STD-40-1000.

CAD FILE NAME : BR M608 S1 R28

REVISION 16 OF THIS DRAWING WAS REDRAWN FROM PART OF BRM608 REV. 12.

REVISION 17 OF THIS DRAWING HAS INCORPORATED ALL INFORMATION SHOWN ON BR-M608 SH. 2, REV.16 & BR-M608 SH. 3, REV.17.

REVISION 28 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E.231.21.0100.001-.280P

QUALITY LEVEL 2
SEISMIC CATEGORY II
CLEANNESS C

NO.	DWG. NO.	TITLE
13	GU 3E-STD-40-1000	STD. INST. DETAILS NEW BLDG.
12	GU 3E-567-21-1000	HYD. WTR. CHEM.SYS.HYDROGEN INJECT.
11	GE 148F437 SH3	LIQ.RAD. WTR.COL. & PROC.FL.DIAG.
10	CW 3977006	AOG OFF GAS CONT. PNL PNL. ARRGMT.
9	BR M611 SH3	AOG BLDG. H & V FLOW DIAG.
8	BR 2013 SH8	INSTRUMENT CONT. AIR SYS.FLOW DIAG.
7	BR 2013 SH2	SERVICE AIR SYS. FLOW DIAG.
6	BR 2009 SH2	H & V MAIN STACK FLOW DIAG.
5	BR 2006 SH8	AOG CLOSED CW SYS. FLOW DIAG.
4	BR 2004	DEMIN. WATER TRANSFER SYS.FLOW DIAG.
3	BR 2001 SH3	MECHANICAL DRAWING INDEX
2	BR 2001 SH2	ABBREVIATIONS
1	BR 2001 SH1	MECHANICAL SYMBOLS

REFERENCES

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

NANCY A. CARLSON 3-19-2001

3-19-2001

3/27/01

N/A

N/A

AmerGen

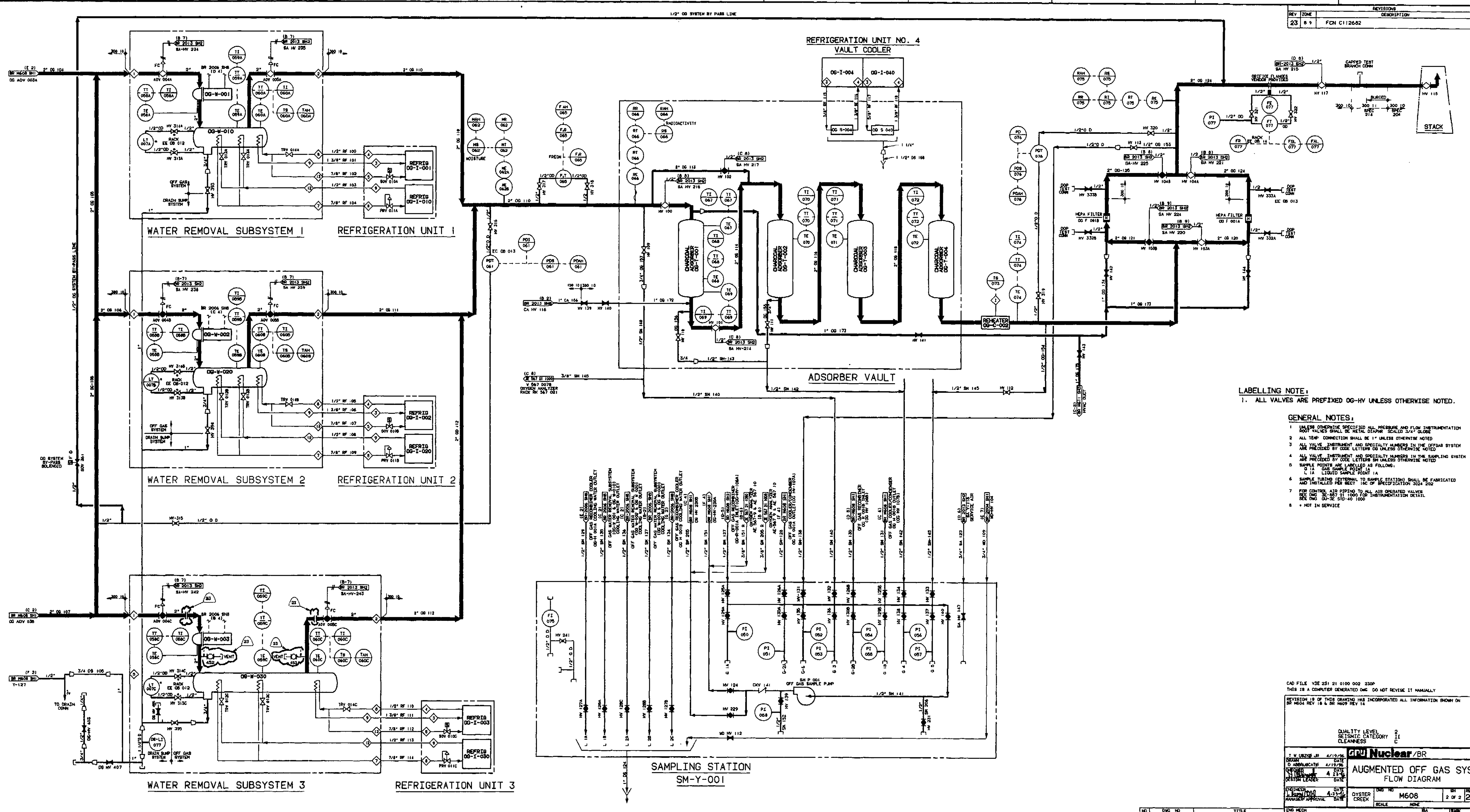
AUGMENTED OFF-GAS SYSTEM
FLOW DIAGRAM

OYSTER CREEK

DWG. NO.	SH.	REV.
BR M608	1 OF 2	28

SCALE : NONE

WA. NO.



LABELLING NOTE:

1. ALL VALVES ARE PREFIXED OG-HV UNLESS OTHERWISE NOTED.

GENERAL NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL PRESSURE AND FLOW INSTRUMENTATION ROOT VALVES SHALL BE METAL DIAPHR SCALED 3/4" GLOBE
2. ALL TEMP CONNECTION SHALL BE 1" UNLESS OTHERWISE NOTED
3. ALL VALVE INSTRUMENT AND SPECIALTY NUMBERS IN THE OFFGAS SYSTEM ARE PRECEDED BY CODE LETTERS OG UNLESS OTHERWISE NOTED
4. ALL VALVE INSTRUMENT AND SPECIALTY NUMBERS IN THE SAMPLING SYSTEM ARE PRECEDED BY CODE LETTERS SM UNLESS OTHERWISE NOTED
5. SAMPLE POINTS ARE LABELLED AS FOLLOWS:
   G 1A GAS SAMPLE POINT 1A
   L 1A LIQUID SAMPLE POINT 1A
6. SAMPLE TUBING (EXTERNAL TO SAMPLE STATION) SHALL BE FABRICATED AND INSTALLED PER SECT 16C OF SPECIFICATION 3024 202
7. FOR CONTROL AIR PIPING TO ALL AIR OPERATED VALVES SEE DWG 3E-657 21 1000 FOR INSTRUMENTATION DETAIL SEE DWG GU-3E STD-40 1000
8. * NOT IN SERVICE

CAD FILE V3E 231 21 0100 002 230P
THIS IS A COMPUTER GENERATED DWG DO NOT REVISE IT MANUALLY

REVISION 19 OF THIS DRAWING HAS INCORPORATED ALL INFORMATION SHOWN ON BR M604 REV 18 & BR M609 REV 14

QUALITY LEVEL 2
SEISMIC CATEGORY II
CLEANNESS C

REV	ZONE	DESCRIPTION
23	8 9	FCN C112682

T M USZKO JR 4/19/96 DRAWN DATE
D ABBRUSCATO 4/19/96 CHECKED DATE
DESIGN LEADER DATE 4 23
ENGINEER DATE 4-23
MANAGER APPROVAL DATE

GPU Nuclear /BR

AUGMENTED OFF GAS SYS
FLOW DIAGRAM

OYSTER CREEK — DWG NO M608 — SH 2 OF 2 — REV 23 — SCALE NONE

REVISIONS		
REV	ZONE	DESCRIPTION
33	C-3	ECD CJ12244

NOTES:

1. ALL VALVES INSTRUMENT & SPECIALTY NUMBERS ARE PREFIXED WITH HV UNLESS OTHERWISE NOTED.
2. AIR FLOW SHOWN WITH * ARE TEMPORARY TO SUPPORT LAUNDRY FACILITY INSTALLATION. THESE TEMPORARY AIR FLOWS ARE TO BE REPLACED WITH AIR FLOWS IN BRACKETS AT TIME OF TOTAL SYSTEM REPLACEMENT.
3. MECHANICAL ITEMS SHOWN CIRCLED HAVE NOT BEEN VERIFIED DUE TO INACCESSIBILITY, HIGH RADIATION OR CONTAINATION.
4. TYPICAL STEAM HEATING COIL PIPING & VALVING DETAILS SHOWN ON DWG BR-2015 SH3
5. GPUN EQUIPMENT AND SPECIALTY TAG NUMBERS ARE IN PARENTHESIS.
6. FOR INSTRUMENTATION DETAILS SEE DWG GU-SE-STD-40-1000
7. UNLESS OTHERWISE SPECIFIED ALL PRESSURE AND FLOW INSTRUMENTATION ROOT VALVES SHALL BE 3/4" GLOBE.
8. CFM VALUES IN ( ) ARE AIR FLOW CONDITIONS WHEN FUME HOOD IS OPERATING
9. CONTROL AIR PIPING TO DM-838-051 & DM-838-052 HAS BEEN DISCONNECTED
10. FLOW RATES (CFM) FOR BOILER HOUSE RESERVED CONTINGENT UPON WALKDOWN TO RECALIBRATE THE AREAS
11. THE INTERNALS OF DAMPER HV-DM-330 HAVE BEEN REMOVED.

RADWASTE BUILDING

ELECTRICAL EQUIP. & CONTROL ROOM (EL.48'-0")

HEAT EXCHANGER BUILDING EL. 23'-6"

ABANDONED IN PLACE

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS
		REFERENCES

CAD FILE NAME: BR M611 S1 R31

REVISION 24 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-M611, REV. 22

REVISION 31 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3C838.24.0100.001-.310P

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN: NANCY A. CARLSON 11-16-2000

CHECKED: D.ABRUSCATO 12-28-2000

ENGINEER:

ENGINEERING MANAGER:

AmerGen

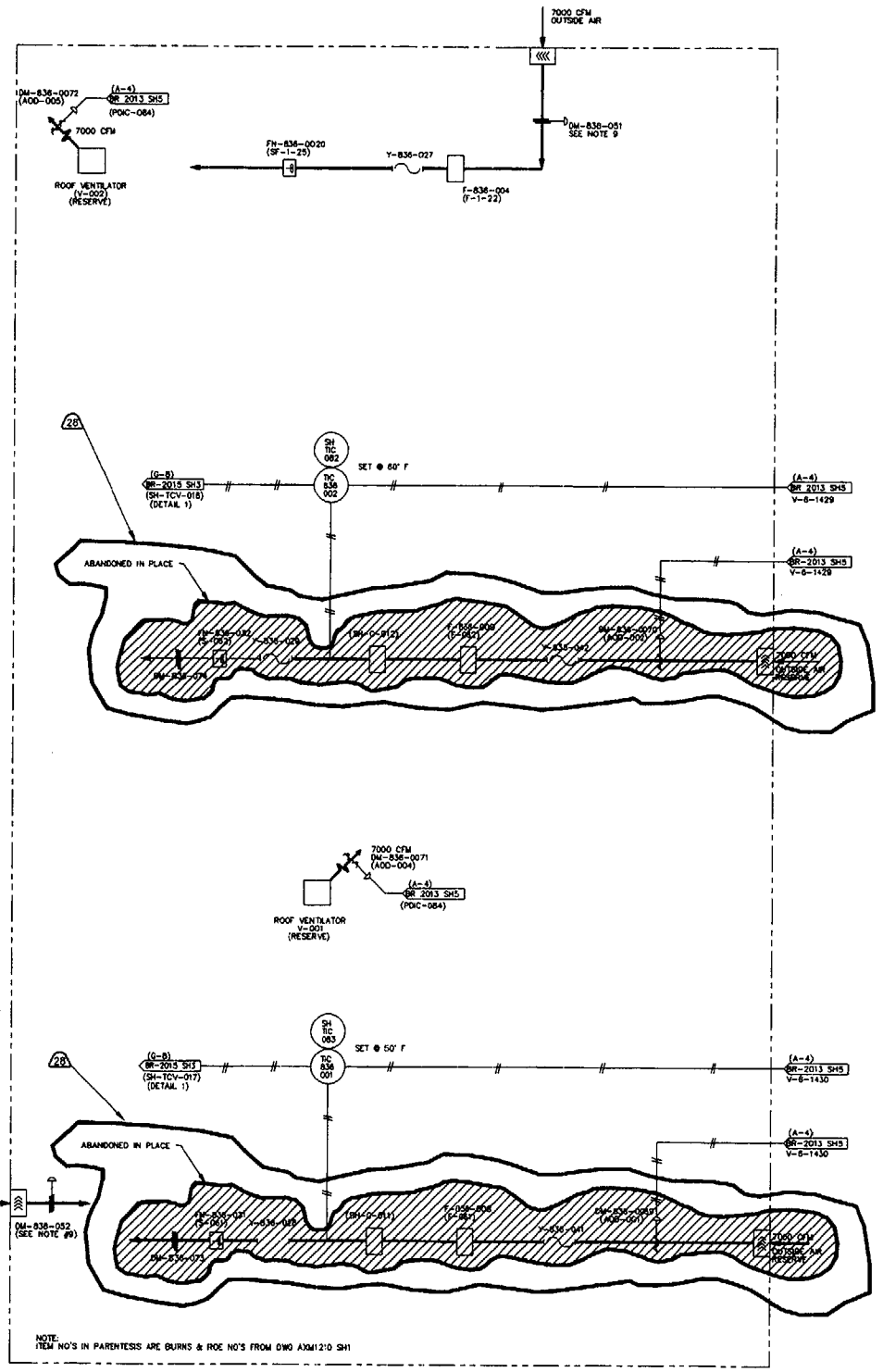
NEW RADWASTE BUILDING HVAC FLOW DIAGRAM

OYSTER CREEK | DWG. NO. BR M611 | SH. 1 OF 3 | REV. 33 | SCALE : NONE

WA. NO.

PROJECT NO. BR M611 SH. 1 OF 3

REVISIONS		
REV	ZONE	DESCRIPTION
28	BCE6	ECD C212011



NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES, INSTRUMENTS AND SPECIALITY NUMBERS ARE PREFIXED WITH 836 UNLESS OTHERWISE NOTED.

NO.	DWG. NO.	TITLE
		REFERENCES

CAD FILE NAME: BR M611 S2 R28

REVISION 27 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CAD FILE: V3E.836.21.0100.002-.2701

REVISION 24 OF THIS DRAWING WAS REDRAWN FROM PART OF GU-3E-820-21-1000 REV Q.

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN	T.W.USZKO,JR.	3-19-99
CHECKED	B.STANKIEWICZ	3-26-99
PROJECT MANAGER		4-6-99
ENGINEER		
TRANSMITTAL MANAGER		

GPU NUCLEAR

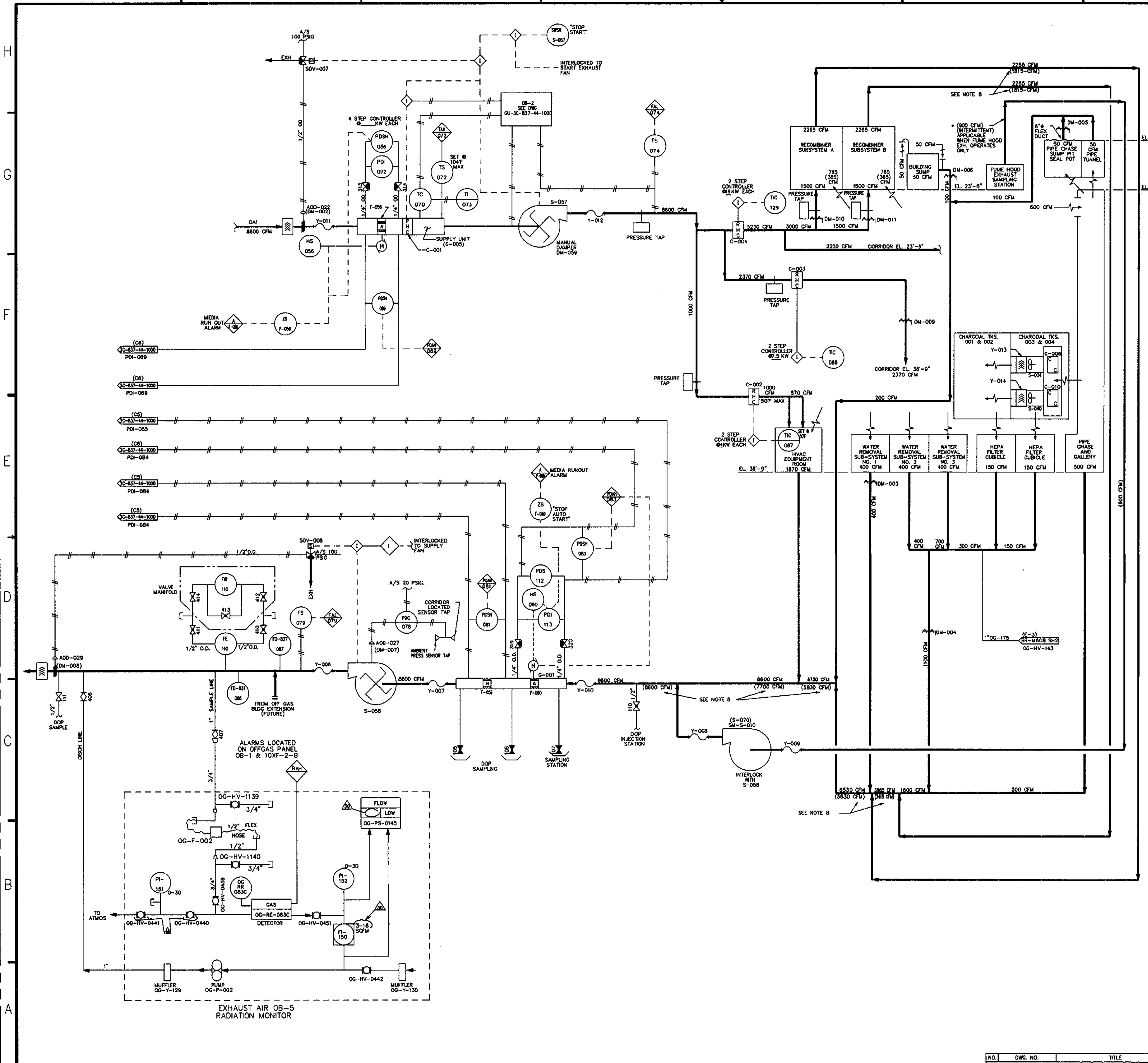
HEATING BOILER HOUSE
H & V
FLOW DIAGRAM

OYSTER CREEK	DWG. NO. BR M611	SH. 2 OF 3	REV. 28
	SCALE : NONE		

PIMS # N/A

DWG. NO. BR M611 SH. 2 OF 3

REV	ZONE	REVISIONS DESCRIPTION
30	B-7	ECD C307409



NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES, INSTRUMENTS AND SPECIALTY NUMBERS ARE PREFIXED BY HV-HV- UNLESS OTHERWISE NOTED.

LEGEND :

NO.	DWG. NO.	TITLE
		REFERENCES

CAD FILE NAME: BR M611 S3 R30
REVISION 27 OF THIS DRAWING WAS REDRAWN FROM PART OF VT 905522.
REVISION 28 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,837,21,0100,003-,2801.

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

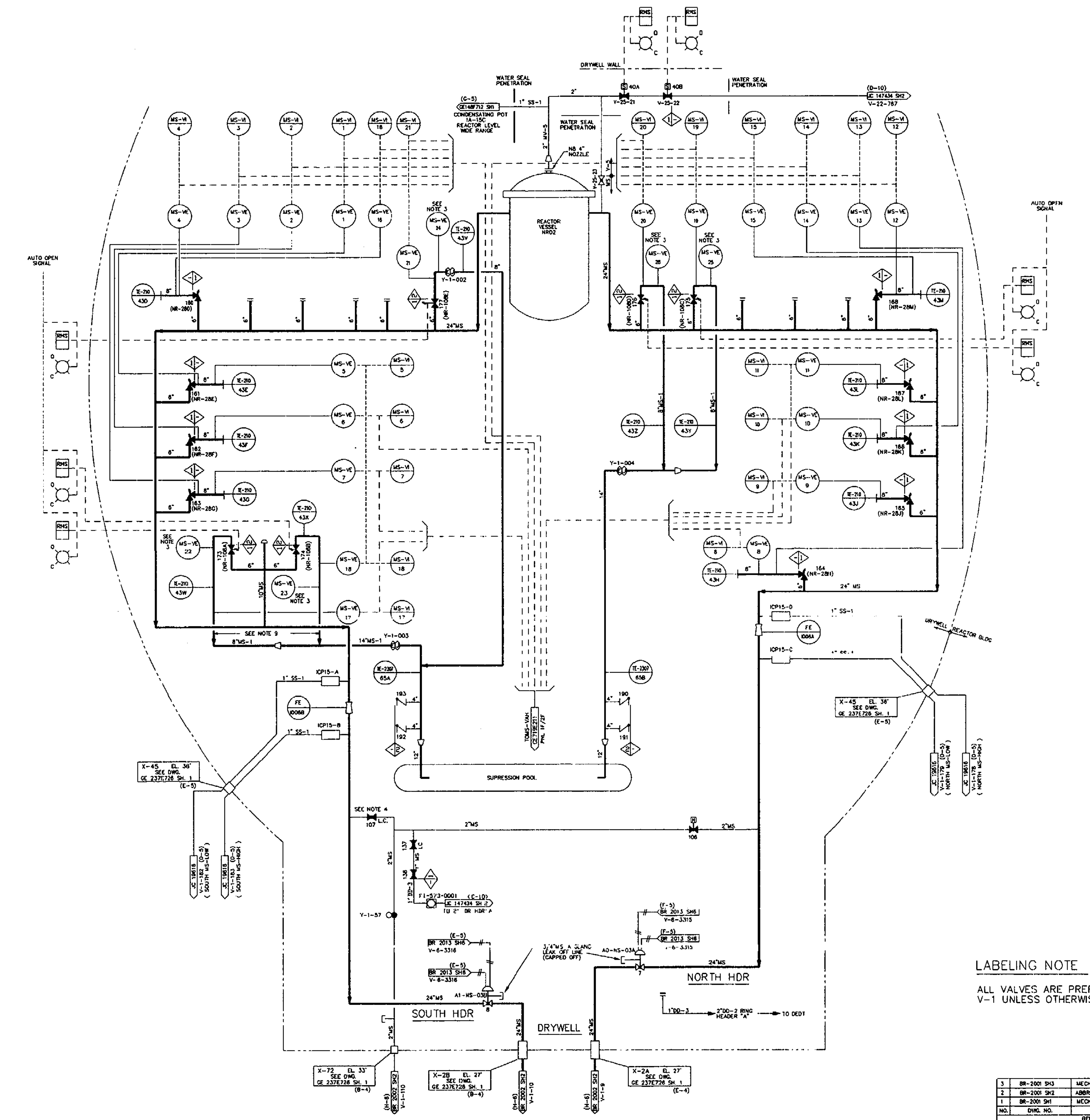
DRAWN: NANCY A. CARLSON 5-6-98
CHECKED: NICK TITOLO 5/7/98
APPROVED: 5/7/98

GPU NUCLEAR

AUGMENTED OG BLDG.
H & V
FLOW DIAGRAM

OYSTER CREEK | DWG. NO. BR M611 | SH. 3 OF 3 | REV. 30
SCALE : NONE
PIMS # N/A

DWG. NO. BR M611 SH. 3 OF 3



NOTES:

1. SEE VALVE LABELING NOTE
2. PRESSURE TRANSMITTERS EPT-1,-2,-3,-4,-5,-6,-9,-10,-11,SHALL BE MTD. AND WIRED TO TERMINALS BY GE/LSTC AS SHOWN ON G.E. DWGS.
3. VE-22,23,24,25 & 26 INSTALLED SPARES.
4. MOTOR OPER. FOR VLV. V-1-107 HAS BEEN REMOVED & VLV. IS GAGGED CLOSED.
5. PRESSURE TRANSMITTERS PT 21,PT 22 & PT 23 ARE NON FUNCTIONAL AND ABANDONED.
6. BLACK LINE PLOTS FOR NORMAL USE. COLOR PLOTS FOR ISI USE. ISI LEGEND REFERS TO COLOR PLOTS ONLY.

COLOR LEGEND

CLASS 1 - BLUE
CLASS 2 - RED
NON CLASS (-) - BLACK

LABELING NOTE

ALL VALVES ARE PREFIXED BY V-1 UNLESS OTHERWISE NOTED

REV	ZONE	REVISIONS DESCRIPTION
58	ALL	ISI BOUNDARY INFO INCORPORATED

CAD FILE NAME: BR 2002 S1 R58

REVISION 56 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CAD FILE: V3E.411.21.0100.001-.5601

REVISION 41 OF THIS DRAWING WAS REDRAWN FROM PART OF BR 2002, REV 35 & PART OF GE 237E798

REVISION 58 OF THIS DRAWING SUPERSEDES ISI BOUNDARY DRAWING GU 3E-411-A1-001 SH. 1 REV. 17

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

MAIN STEAM SYSTEM
FLOW DIAGRAM

DRAWN	NANCY A. CARLSON 11-15-99
CHECKED	DAN ABBRUSCATO 11-16-99
OYSTER CREEK	DWG. NO. BR 2002
SH.	1 OF 4
REV.	58
SCALE :	NONE
PIMS #	N/A

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

DWG. NO. BR 2002 SH. 1 OF 4

REVISIONS		
REV	ZONE	DESCRIPTION
59	F-5 F-7	ECD C401222

LABELING NOTE

ALL VALVES ARE PREFIXED BY V-1 UNLESS OTHERWISE NOTED

NOTES:

1. SEE VALVE LABELING NOTE
2. BLACK LINE PLOTS ARE FOR NORMAL USE. COLOR PLOTS ARE FOR ISI USE. ISI LEGEND REFERS TO COLOR PLOTS ONLY.

COLOR LEGEND

CLASS 1 – BLUE
CLASS 2 – RED
NON CLASS (–) – BLACK

CAD FILE NAME: BR 2002 S2 R59

REVISION 54 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CAD FILE:V3E,411,21,0100,002-,5401

REVISION 41 OF THIS DRAWING WAS REDRAWN FROM PART OF BR 2002 REV 35

REVISION 57 OF THIS DRAWING SUPERCEDES GU 3E-411-A1-001 SH. 2 REV. 18.

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

THIS IS A COMPUTER
GENERATED DRAWING DO
NOT REVISE IT MANUALLY

AmerGen

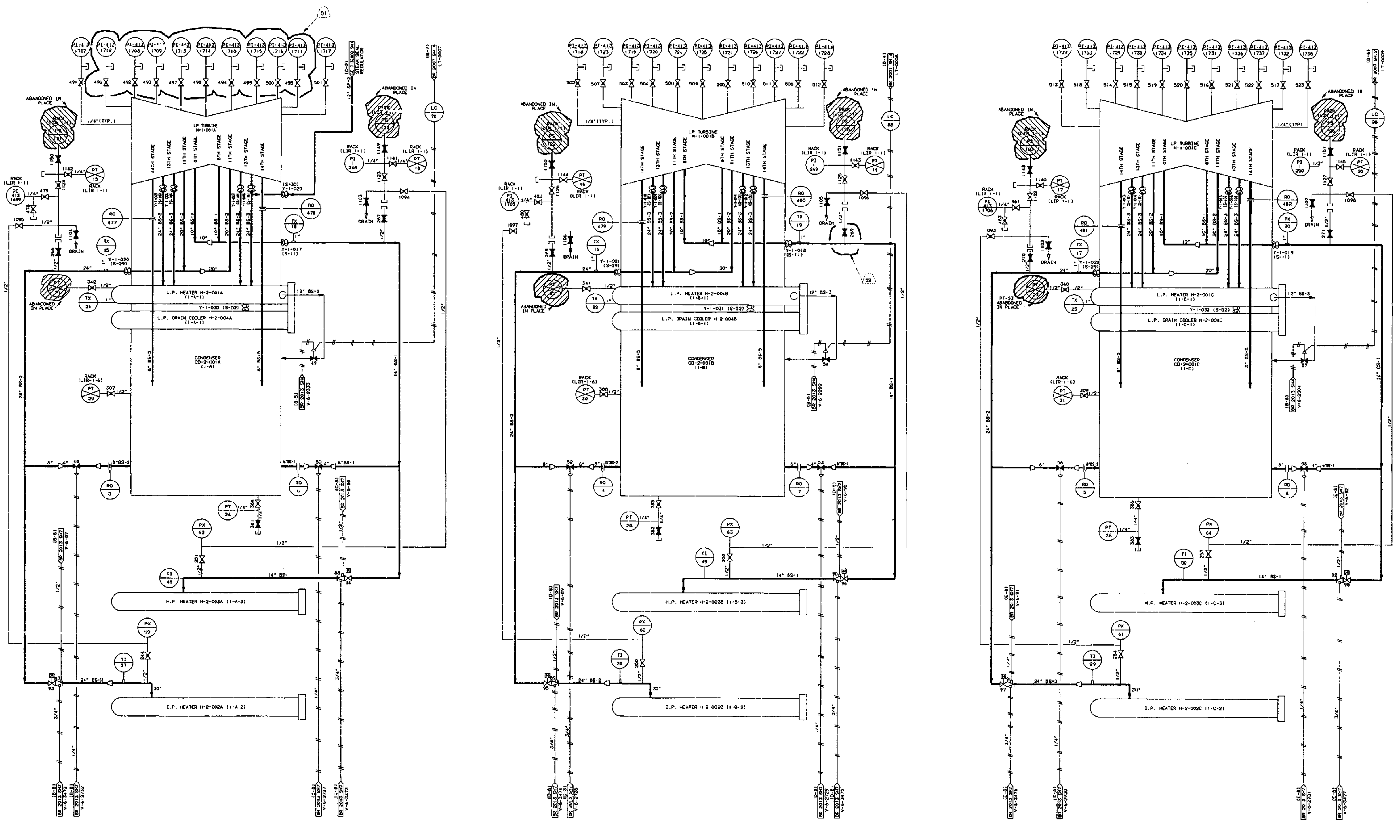
DRAWN NANCY A. CARLSON DATE 12/20/00
CHECKED D. ABBRUSCATO DATE 12/20/00
DESIGN APPROVED D. [illegible] / R. [illegible] DATE 12/11/00
ENGINEER N/A
ENGINEERING MANAGER N/A
INTERFACING CONCURRENCE

MAIN STEAM SYSTEM
FLOW DIAGRAM

OYSTER CREEK
DWG. NO. BR 2002
SH. 2 OF 4
REV. 59
SCALE : NONE
PIMS # N/A

DWG NO. BR 2002 SH. 2 OF 4

REV.	ZONE	REVISIONS DESCRIPTION
52	F-4	ECO C307449



NOTES: SEE SHEET 1 FOR OTHER NOTES AND REFERENCES.

1. ALL VALVES ARE PREFIXED BY V-1 UNLESS OTHERWISE NOTED.

CAD FILE: V3E.413.21.0100.003-.520P

THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

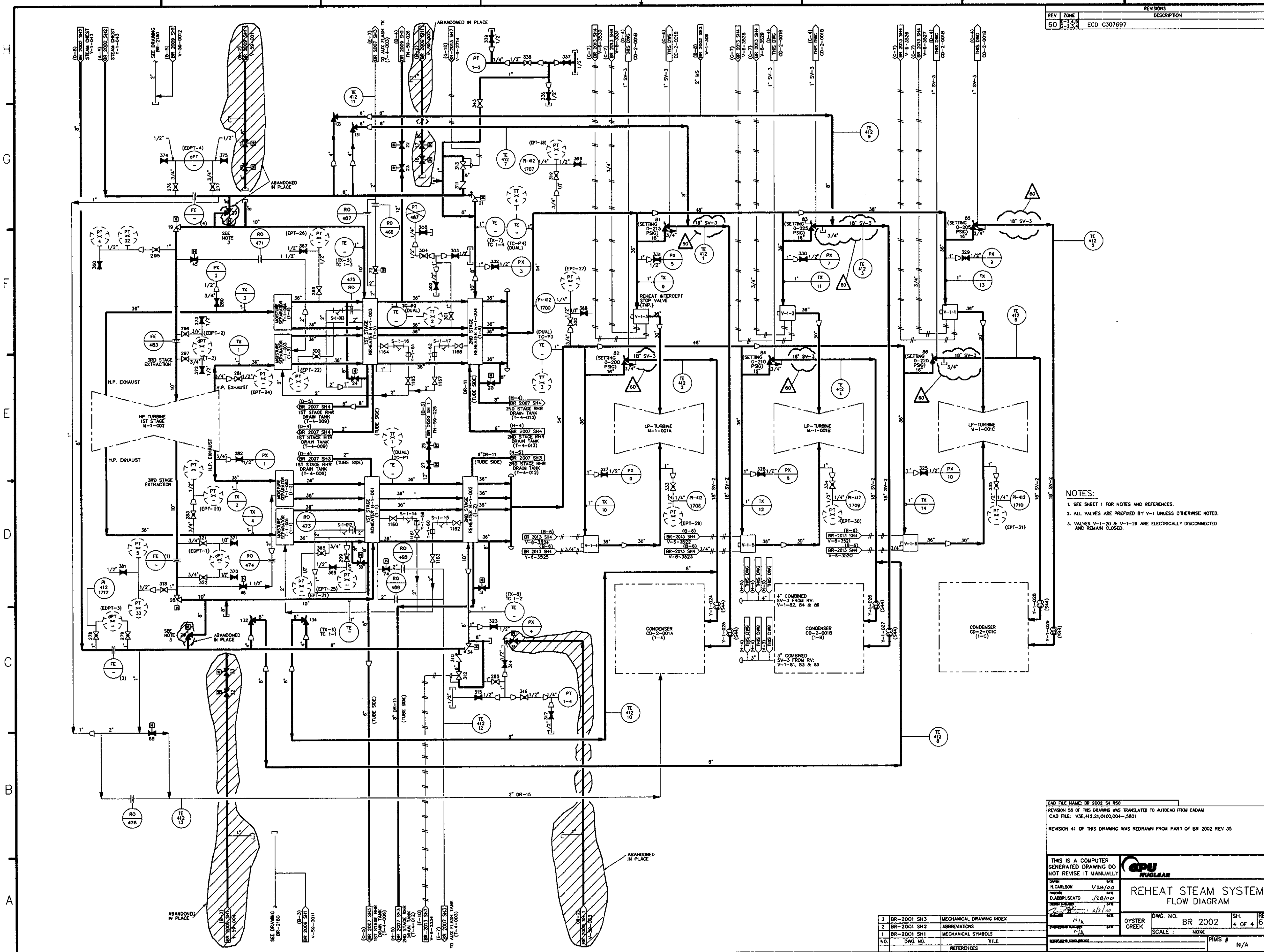
REVISION 41 OF THIS DRAWING WAS REDRAWN FROM PART OF BR 2002 REV 35

NO.	DWG. NO.	TITLE
2.	HO MP78043-06,SH1	TURB.BLDG. INSTRUMENT RACK LIR-1-6
1.	HO MP78043-01,SH1	TURB.BLDG. INSTRUMENT RACK LIR-1-1

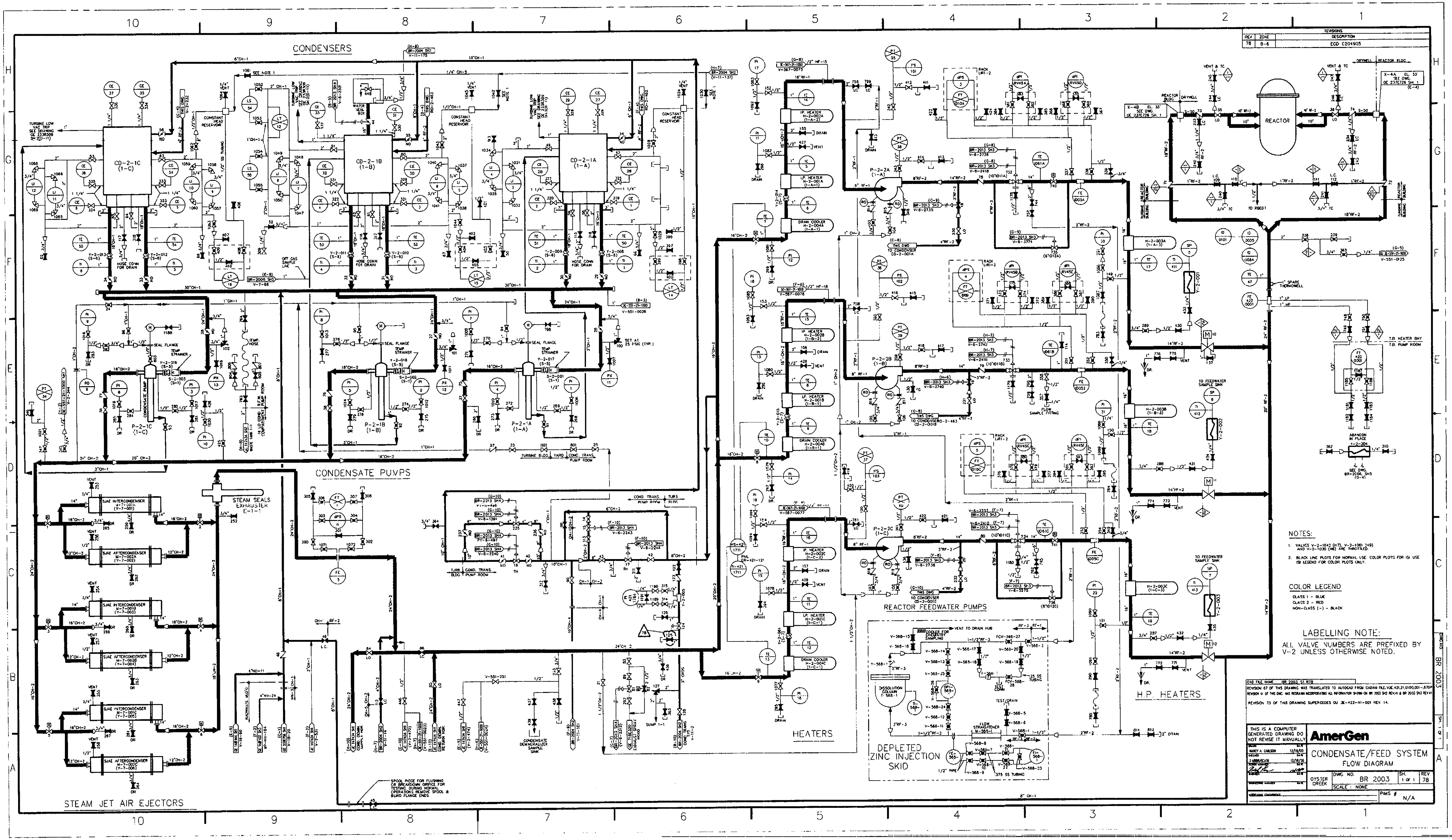
REFERENCES

T.W.USZKO,JR. 2/02/98	GPU NUCLEAR
DRAWN DATE	EXTRACTION (BLEED) STEAM SYSTEM FLOW DIAGRAM
B.STANKIEWICZ 2/02/98	
CHECKED DATE	
N/A	
DESIGN LEADER DATE	
N/A	
ENGINEER DATE 2/2/98	OYSTER CREEK — DWG. NO. BR 2002 — SHEET 3 OF 4 — REV. 52
MANAGER APPROVAL DATE	SCALE: NONE
ENG.MECH.	BA — W.O.

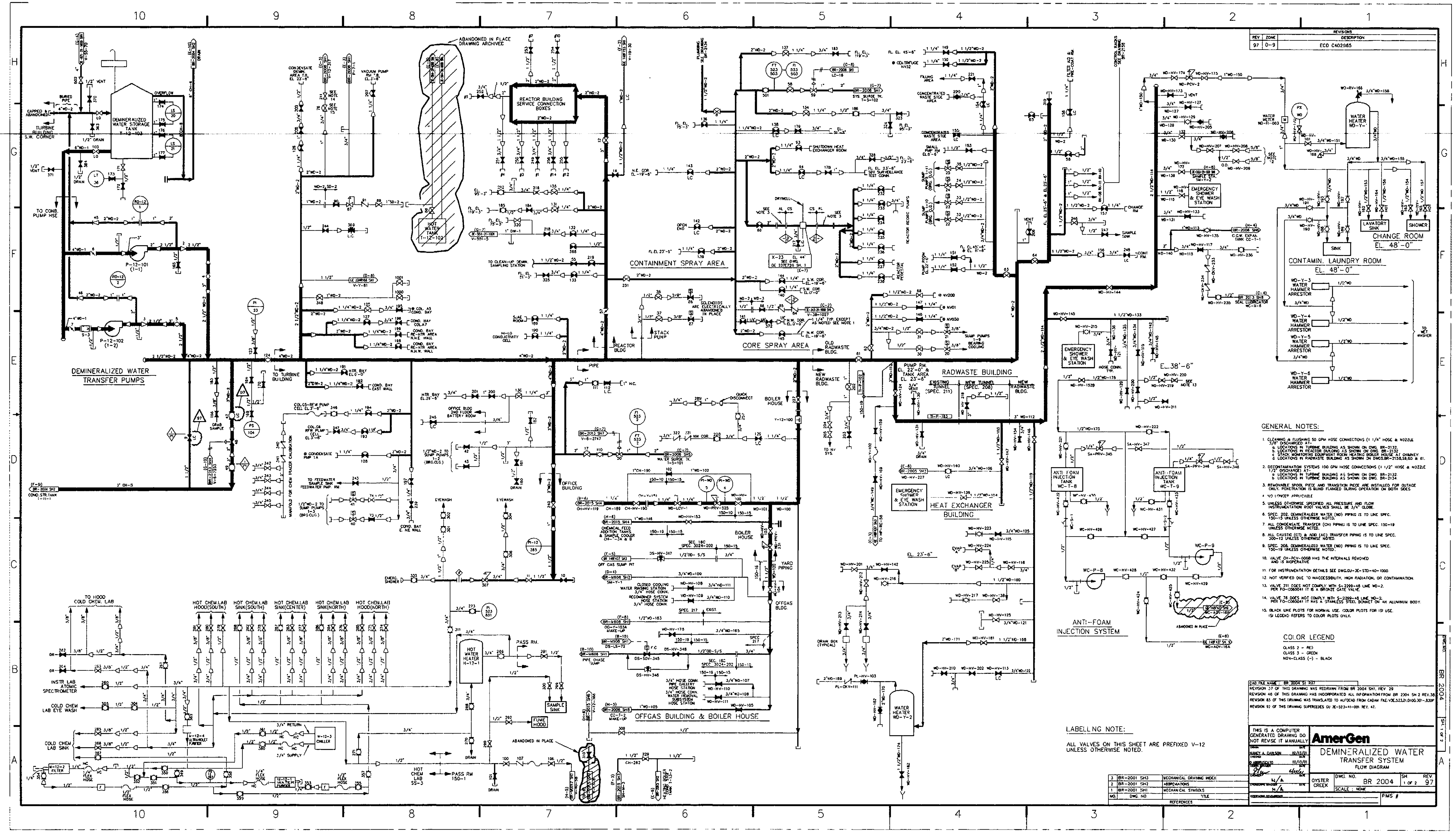
DWG. NO. BR 2002 SH. 3 OF 4

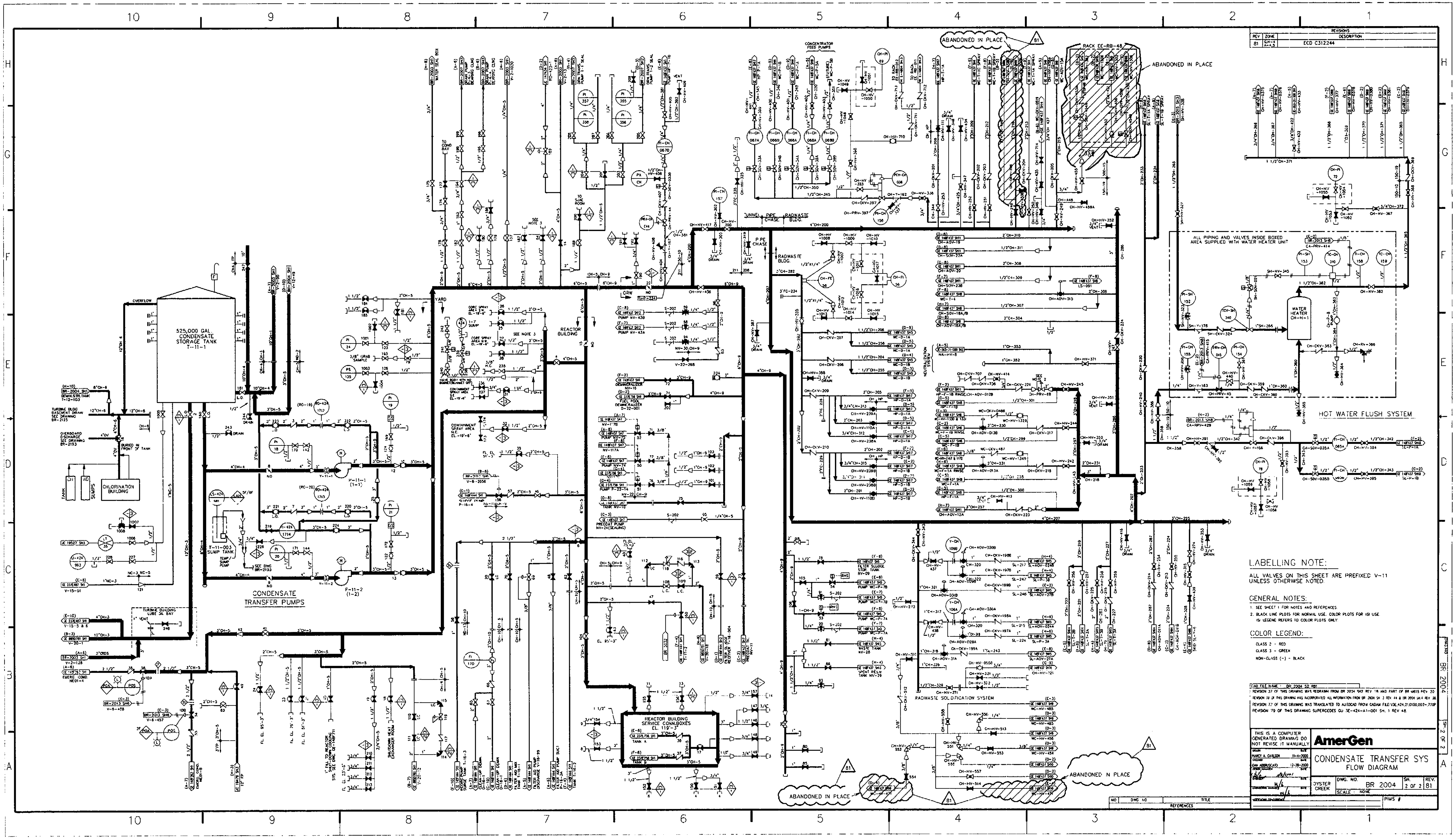


REVISIONS
REV | ZONE | DESCRIPTION
60 | ECD C307697
NOTES:
1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES ARE PREFIXED BY V-1 UNLESS OTHERWISE NOTED.
3. VALVES V-1-20 & V-1-29 ARE ELECTRICALLY DISCONNECTED AND REMAIN CLOSED.
HP TURBINE 1ST STAGE M-1-002
LP-TURBINE M-1-001A
LP-TURBINE M-1-001B
LP-TURBINE M-1-001C
CONDENSER CD-2-001A (1-A)
CONDENSER CD-2-001B (1-B)
CONDENSER CD-2-001C (1-C)
REHEAT INTERCEPT STOP VALVE (TYP.)
ABANDONED IN PLACE
CAD FILE NAME: BR 2002 S4 R60
REVISION 58 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM
CAD FILE: V3E.412,21,0100,004-.5801
REVISION 41 OF THIS DRAWING WAS REDRAWN FROM PART OF BR 2002 REV 35
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
N.CARLSON 1/28/00
D.ABBRUSCATO 1/28/00
2/2/00
N/A
N/A
GPU NUCLEAR
REHEAT STEAM SYSTEM
FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2002
SH. 4 OF 4
REV. 60
SCALE : NONE
PIMS # N/A
3 BR-2001 SH3 MECHANICAL DRAWING INDEX
2 BR-2001 SH2 ABBREVIATIONS
1 BR-2001 SH1 MECHANICAL SYMBOLS
NO. DWG. NO. TITLE
REFERENCES



CONDENSERS
CONDENSATE PUMPS
STEAM JET AIR EJECTORS
STEAM SEALS EXHAUSTER (E-1-1)
HEATERS
REACTOR FEEDWATER PUMPS
DEPLETED ZINC INJECTION SKID
H.P. HEATERS
REACTOR
NOTES:
1. VALVES V-2-1042 (H7), V-2-1061 (H9) AND V-2-1030 (H6) ARE THROTTLED.
2. BLACK LINE PLOTS FOR NORMAL USE. COLOR PLOTS FOR ISI USE (SEE ISI LEGEND FOR COLOR PLOTS ONLY).
COLOR LEGEND
CLASS 1 - BLUE
CLASS 2 - RED
NON-CLASS (-) - BLACK
LABELLING NOTE:
ALL VALVE NUMBERS ARE PREFIXED BY V-2 UNLESS OTHERWISE NOTED.
REVISIONS
REV 78 ZONE 8-6 DESCRIPTION ECO C204905
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
AmerGen
CONDENSATE/FEED SYSTEM FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2003
SH. 1 OF 1
REV 78
SCALE: NONE
PIMS # N/A


DEMINERALIZED WATER TRANSFER PUMPS
CONTAINMENT SPRAY AREA
CORE SPRAY AREA
RADWASTE BUILDING
HEAT EXCHANGER BUILDING
OFFGAS BUILDING & BOILER HOUSE
CONTAMIN. LAUNDRY ROOM EL. 48'-0"
CHANGE ROOM EL. 48'-0"
ANTI-FOAM INJECTION SYSTEM
GENERAL NOTES:
1. CLEANING & FLUSHING 50 GPM HOSE CONNECTIONS (1 1/4" HOSE & NOZZLE 3/8" DISCHARGED AT-
a. LOCATIONS IN TURBINE BUILDING AS SHOWN ON DWG. BR-2132.
b. LOCATIONS IN REACTOR BUILDING AS SHOWN ON DWG. BR-2132
c. STACK MONITORING EQUIPMENT ROOM HEATING BOILER HOUSE AT CHIMNEY.
d. LOCATIONS IN RADWASTE BUILDING AS SHOWN ON DWGS.BR-2158,59,60 & 61.
2. DECONTAMINATION SYSTEMS 100 GPM HOSE CONNECTIONS (1 1/2" HOSE & NOZZLE 1/2" DISCHARGE) AT-
a. LOCATIONS IN TURBINE BUILDING AS SHOWN ON DWG. BR-2132.
b. LOCATIONS IN TURBINE BUILDING AS SHOWN ON DWG. BR-2134.
3. REMOVABLE SPOOL PIECE AND TRANSITION PIECE ARE INSTALLED FOR OUTAGE ONLY. PENETRATION IS BLIND FLANGED DURING OPERATION ON BOTH SIDES.
4. NO LONGER APPLICABLE
5. UNLESS OTHERWISE SPECIFIED ALL PRESSURE AND FLOW INSTRUMENTATION ROOT VALVES SHALL BE 3/4" GLOBE.
6. SPEC. 202, DEMINERALIZER WATER (WD) PIPING IS TO LINE SPEC. 150-15 UNLESS OTHERWISE NOTED.
7. ALL CONDENSATE TRANSFER (CH) PIPING IS TO LINE SPEC. 150-19 UNLESS OTHERWISE NOTED.
8. ALL CAUSTIC (CT) & ACID (AC) TRANSFER PIPING IS TO LINE SPEC. 300-12 UNLESS OTHERWISE NOTED.
9. SPEC. 208, DEMINERALIZED WATER (WD) PIPING IS TO LINE SPEC. 150-19 UNLESS OTHERWISE NOTED.
10. VALVE CH-PCV-0068 HAS THE INTERNALS REMOVED AND IS INOPERATIVE
11. FOR INSTRUMENTATION DETAILS SEE DWG.GU-3E-STD-40-1000.
12. NOT VERIFIED DUE TO INACCESSIBILITY, HIGH RADIATION, OR CONTAMINATION.
13. VALVE 211 DOES NOT COMPLY WITH S-2299-48 LINE WD-2. PER FO-C060041 IT IS A BRONZE GATE VALVE.
14. VALVE 76 DOES NOT COMPLY WITH S-2299-48 LINE WD-2. PER FO-C060041 IT HAS A STAINLESS STEEL BONNET ON AN ALUMINUM BODY.
15. BLACK LINE PLOTS FOR NORMAL USE. COLOR PLOTS FOR ISI USE. ISI LEGEND REFERS TO COLOR PLOTS ONLY.
COLOR LEGEND
CLASS 2 - RED
CLASS 3 - GREEN
NON-CLASS (-) - BLACK
LABELLING NOTE:
ALL VALVES ON THIS SHEET ARE PREFIXED V-12 UNLESS OTHERWISE NOTED.
REVISIONS
REV 97 ZONE D-9 DESCRIPTION ECD C402965
CAD FILE NAME : BR 2004 S1 R97
REVISION 37 OF THIS DRAWING WAS REDRAWN FROM BR 2004 SH1, REV 29
REVISION 46 OF THIS DRAWING HAS INCORPORATED ALL INFORMATION FROM BR 2004 SH 2 REV.38
REVISION 83 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE:V3E.523.21.0100.001-.830P
REVISION 92 OF THIS DRAWING SUPERCEDES GU 3E-523-41-001 REV. 47.
REFERENCES
3 BR-2001 SH3 MECHANICAL DRAWING INDEX
2 BR-2001 SH2 ABBREVIATIONS
1 BR-2001 SH1 MECHANICAL SYMBOLS
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
NANCY A. CARLSON 02/13/01
D. ABBRUSCATO 02/13/01
AmerGen
DEMINERALIZED WATER TRANSFER SYSTEM FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2004
SH. 1 OF 2
REV. 97
SCALE : NONE
PIMS #


525,000 GAL. CONDENSATE STORAGE TANK T-11-1
CONDENSATE TRANSFER PUMPS
REACTOR BUILDING SERVICE CONNBOXES
HOT WATER FLUSH SYSTEM
RADWASTE SOLIDIFICATION SYSTEM
ABANDONED IN PLACE
LABELLING NOTE:
ALL VALVES ON THIS SHEET ARE PREFIXED V-11 UNLESS OTHERWISE NOTED.
GENERAL NOTES:
1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. BLACK LINE PLOTS FOR NORMAL USE. COLOR PLOTS FOR ISI USE. ISI LEGEND REFERS TO COLOR PLOTS ONLY.
COLOR LEGEND:
CLASS 2 - RED
CLASS 3 - GREEN
NON-CLASS (-) - BLACK
CAD FILE NAME : BR 2004 S2 R81
REVISION 37 OF THIS DRAWING WAS REDRAWN FROM BR 2004 SH2 REV 18 AND PART OF BR M815 REV 20
REVISION 39 OF THIS DRAWING HAS INCORPORATED ALL INFORMATION FROM BR 2004 SH 3 REV. 44 & BR 2004 SH.4 REV 38
REVISION 77 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE:V3E.424.21.0100.002-.770P
REVISION 79 OF THIS DRAWING SUPERCEDES GU 3E-424-A1-001 SH. 1 REV 48.
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
AmerGen
MARCY A. CARLSON 11-4-2000
DAN ABBRUSCATO 12-28-2000
CONDENSATE TRANSFER SYS
FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2004
SH. 2 OF 2
REV. 81
SCALE : NONE
PIMS #

REVISIONS		
REV	ZONE	DESCRIPTION
4.5	NOTED	ECO C31244

ABANDONED IN PLACE EXCEPT WHERE NOTED

NOTES:

1. VALVES ARE PREFIXED BY V-3 UNLESS OTHERWISE NOTED.

CAD FILE NAME: BR 2005 S1 R4.3

REVISION 42 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM
CAD FILE: V3E333.21.#400.004-A201

REVISION 37 OF THIS DRAWING WAS REDRAWN FROM PART OF BR 2005, REV.31

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

DRAWN	T.W.LISZKO,JR.	5-17-99
CHECKED	B.STANLEY,P.E.	5-17-99
APPROVED		5-17-99
ENGINEER		

VACUUM PRIMING SYS.

FLOW DIAGRAM

OYSTER CREEK | DWG. NO. BR 2005 | SH. 1 OF 6 | REV. 4.5

SCALE : NONE

PIMS # N/A

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

DWG. NO. BR 2005 SH. 1 OF 6

REVISIONS		
REV	ZONE	DESCRIPTION
80	G-7,8	ECO C3O7477

SERVICE WATER PUMPS

TURBINE BUILDING CLOSED COOLING WATER HEAT EXCHANGERS

REACTOR BUILDING CLOSED COOLING WATER HEAT EXCHANGERS

TBCCW CONTINUOUS VENT PUMPS

SERVICE WATER RADIATION MONITOR SKID

CONDENSATE TRANSFER BLDG.

ABANDONED IN PLACE

ABANDONED IN PLACE SEE NOTE 3

2"CONN. FOR FUTURE TBCCW HEAT EXCH EDUCTORS

SEE NOTE 4

CLEANOUT (TYP 4 PLCS)

ALTERNATE RETURN FLOW CONN.

ALTERNATE RETURN FLOW CONN

SEE REF. DWG. BR-2192 FOR CONTINUATION AND DRAIN PIPING FROM OTHER SOURCES

SEE DWG BR-2187 FOR RADWASTE BLDG. DRN. PIPING

DRAINS FROM DIESEL GEN. BLDG. SEE BR 4020

30" OVERBOARD DISCHARGE DWG. 2192

LABELING NOTE

ALL VALVES ON THIS SHEET ARE PREFIXED V-3 UNLESS OTHERWISE NOTED.

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCE.
2. SEE VALVE LABELING NOTE.
3. 3" CHLORINATION LINE ABANDONED IN PLACE AND FILLED WITH GROUT.
4. 3" CONNECTION AND BLIND FLANGE IS A LEAK REPAIR. 3" PIPE ENCAPSULATES A LEAK. SEE CAP 01999-0236. PIPE CONNECTION IS NOT DRILLED THROUGH.
5. BLACK LINE PLOTS ARE FOR NORMAL USE. COLOR PLOTS ARE FOR ISI USE. ISI LEGEND REFERS TO COLOR PLOTS ONLY.

COLOR LEGEND:

CLASS 3 - GREEN
NON CLASS (-) - BLACK

CAD FILE: 1BR 2005 S2 R80

REVISION 71 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CAD FILE: V3E_531_21_0100_002-7101
REVISION 37 OF THIS DWG. WAS REDRAWN FROM PART OF RR 2005, REV 31, PART OF FP SE-3419, REV. 17.
REV. 76 OF THIS DRAWING SUPERCEDES GU 3E-531-A1-001 REV. 35.

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN	DATE	
NANCY A. CARLSON		01/17/01
CHECKED	DATE	
DAN ABRUSCATO		01/17/01
PROJ. ENGINEER	DATE	
		2-2-01
ENGINEER	DATE	
OPERATIONS MANAGER	DATE	

AmerGen

REACTOR & TURBINE BUILDING SERVICE WATER SYSTEM FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2005 | SH. 2 OF 6 | REV. 80

SCALE : NONE

PIMS # N/A

NO.	DWG. NO.	TITLE
REFERENCES		

BR 2005 SH 2 OF 6

REV	ZONE	DESCRIPTION
52	D-1	ECD C315013

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES ON THIS SHEET ARE PREFIXED SW-HV UNLESS OTHERWISE NOTED.
3. ALL SERVICE WATER (SW) PIPING IN ACCORDANCE WITH LINE SPEC.150-17 EXCEPT AS NOTED.
4. FOR INSTRUMENTATION DETAILS SEE DWG. GU 3E-STD-40-1000.

52

NO.	DWG. NO.	TITLE

REFERENCES

CAD FILE NAME: BR 2005 S3 R52

REVISION 37 OF THIS DRAWING WAS REDRAWN FROM PART OF M616, REV.10 AND PART OF M610 REV.17

REVISION 51 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE:V3E.534.21.0100.003-.5101

QUALITY LEVEL 3
SEISMIC CATEGORY II
CLEANLINESS D

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

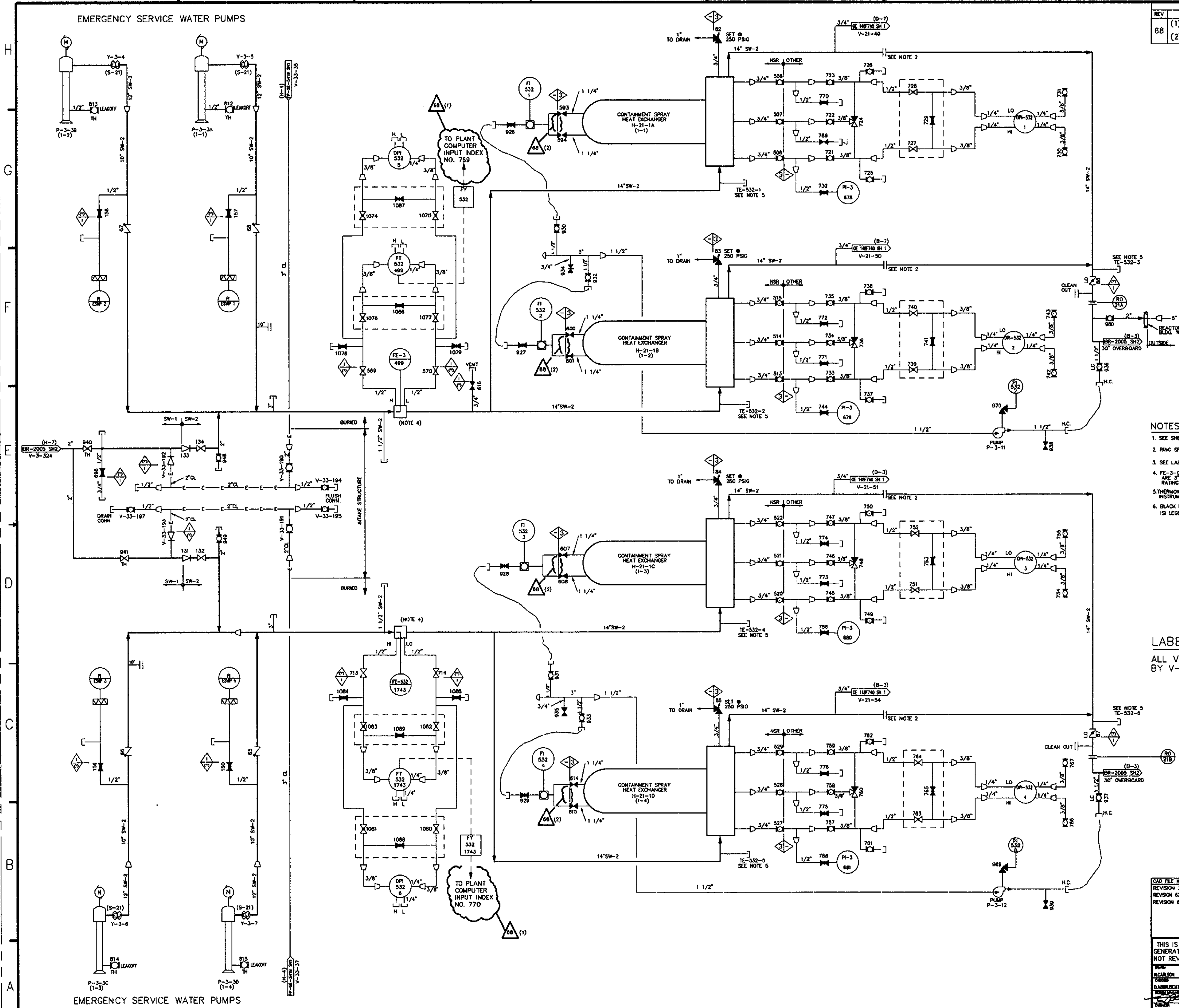
GPU NUCLEAR

DRAWN NANCY A. CARLSON 8-4-2000
CHECKED D.ABBRUSCATO 8-4-2000

NEW RADWASTE SERVICE WATER SYSTEM
FLOW DIAGRAM

OYSTER CREEK
DWG. NO. BR 2005
SH. 3 OF 6
REV. 52
SCALE : NONE
PIMS # N/A

DWG. NO. BR 2005
SH. 3 OF 6



REV	ZONE	DESCRIPTION
68	(1) B-6,G-6	(1) ECD C309404
	(2) C,D,F,G-5	(2) ADMIN. CHANGE

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES
2. RING SPACER INSTALLED WITH TWO GASKETS,REPLACING RESTRICTIVE ORIFICE.
3. SEE LABELING NOTE.
4. FE-3-0499 & FE-3-1743 RF SENSOR FLANGES INSTALLED UNDER OC-1S-402828-001 ARE 3"-150# MONEL (NICU ALLOY 400) AND HAVE A MAXIMUM DESIGN PRESSURE RATING OF 250 PSIG @ 100° F MAX. FOR FURTHER DETAIL SEE DS SU-1711.
5. THERMOWELL IS NORMALLY EMPTY AND CAPPED. IT IS DESIGNED FOR TEMPERATURE INSTRUMENTS TO BE INSTALLED WHEN OBTAINING HX PERFORMANCE DATA.
6. BLACK LINE PLOTS ARE FOR NORMAL USE. COLOR PLOTS ARE FOR ISI USE. ISI LEGEND REFERS TO COLOR PLOTS ONLY.

LABELING NOTE:

ALL VALVES ON THIS SHEET ARE PREFIXED BY V-3 UNLESS OTHERWISE NOTED.

COLOR LEGEND:

CLASS 3 – GREEN
NON-CLASS (–) – BLACK

NO.	DWG. NO.	TITLE
	REFERENCES	

CAD FILE NAME: BR 2005 S4 R68
REVISION 37 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-2005, REV.31
REVISION 63 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E,532,21,0100,004-,6301
REVISION 68 OF THIS DRAWING SUPERCEDES ISI BOUNDARY DRAWING GU 3E-532-A1-001 REV. 28

USE

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

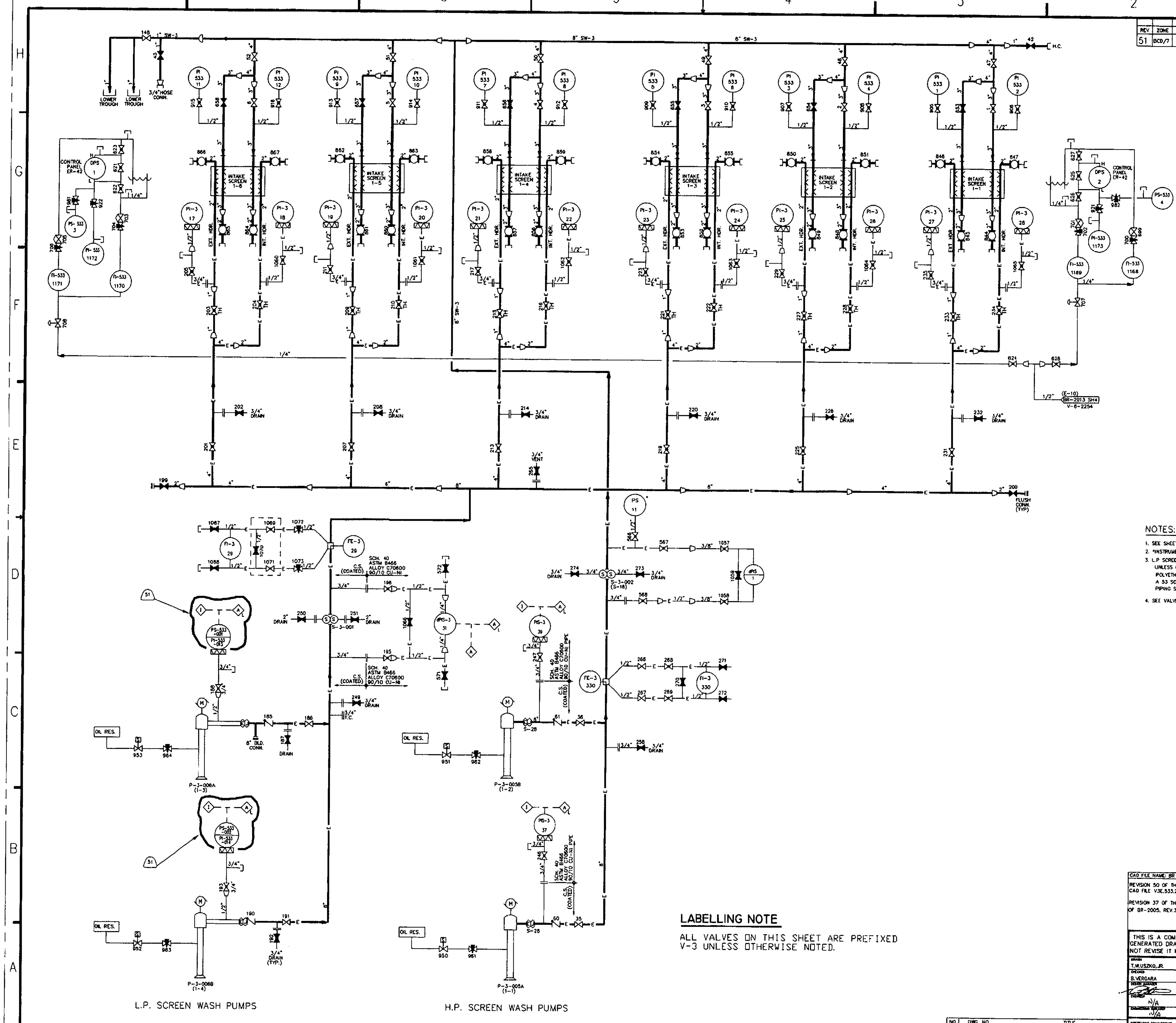
	DATE
DRAWN: H.CARLSON	07/05/00
CHECKED: D.ABBRUSCATO	07/05/00
[signature]	8/3/00
N/A	
N/A	

EMERGENCY SERVICE WATER SYSTEM FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2005 | SH. 4 OF 6 | REV. 68
SCALE NONE

DWG. NO. BR 2005 SH. 4 OF 6



REVISIONS

REV	ZONE	DESCRIPTION
51	8CD/7	ECD C313407

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. *INSTRUMENTS FURNISHED BY CHAINBELT.
3. L.P SCREEN WASH SYSTEM:
   UNLESS OTHERWISE NOTED,ALL PIPING SHALL BE C.S. COATED WITH POLYETHYLENE COATING. CARBON STEEL PIPE SHALL BE ASTM A106 GR.B OR A 53 SCH 40. DRAIN CONNECTIONS,INSTRUMENTATION TAPS & VENT CONNECTION PIPING SHALL BE CU-NI ASTM B 466 ALLOY NO C70600 SCH 40.
4. SEE VALVE LABELING NOTE.

LABELLING NOTE

ALL VALVES ON THIS SHEET ARE PREFIXED V-3 UNLESS OTHERWISE NOTED.

CAD FILE NAME: BR 2005 S5 R51

REVISION 50 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CAD FILE V3E.533.21,0100,005-,5001

REVISION 37 OF THIS DRAWING WAS REDRAWN FROM 3D-505-21-001,REV.3,AND PART OF BR-2005, REV.31

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

DRAWN: T.W.USZKO,JR.	DATE: 9/8/98
CHECKED: B.VERGARA	DATE: 9/10/98
DESIGN MANAGER: (signature)	DATE: 9/10/98
ENGINEER: N/A	DATE
N/A	DATE

SCREEN WASH SYSTEM
FLOW DIAGRAM

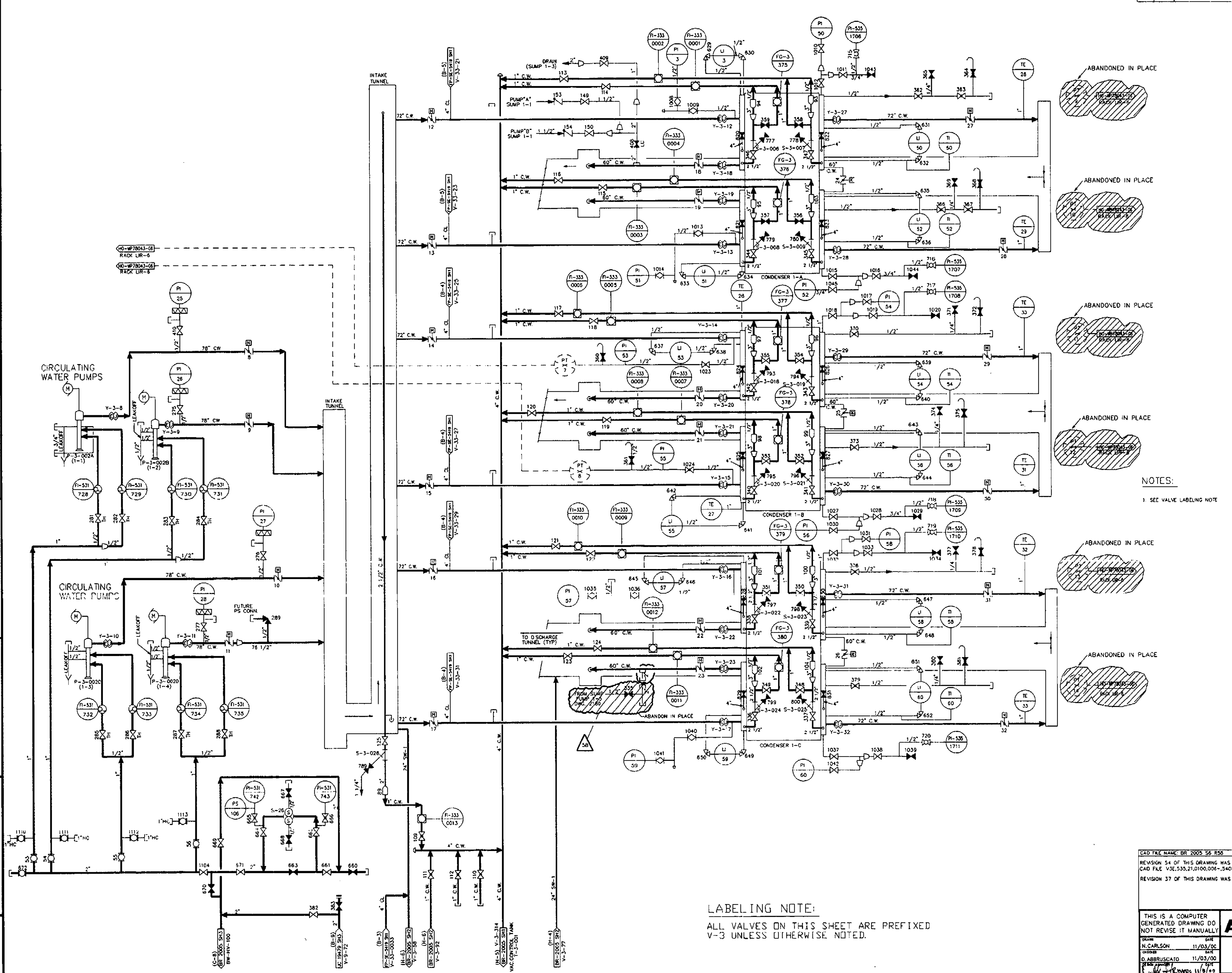
OYSTER CREEK | DWG. NO. BR 2005 | SH. 5 OF 6 | REV. 51

SCALE : NONE

PIMS # N/A

DWG.NO. BR 2005 SH. 5 OF 6

REV	ZONE	REVISIONS DESCRIPTION
58	G-5	ECD C314576



NOTES:

1. SEE VALVE LABELING NOTE

LABELING NOTE:

ALL VALVES ON THIS SHEET ARE PREFIXED V-3 UNLESS OTHERWISE NOTED.

CAD FILE NAME: BR 2005 S6 R58

REVISION 54 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CAD FILE V3E,535,21,0100,006-,540P

REVISION 37 OF THIS DRAWING WAS REDRAWN FROM PART OF BR 2005 REV.31

NO.	DWG. NO.	TITLE
3.	BR 2001 SH3	MECHANICAL DRAWING INDEX
2.	BR 2001 SH2	ABBREVIATIONS
1.	BR 2001 SH1	MECHANICAL SYMBOLS
	REFERENCES	

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

AmerGen

CIRCULATING WATER SYSTEM

FLOW DIAGRAM

DRAWN: N.CARLSON, DATE: 11/03/00
CHECKED: D.ABBRUSCATO, DATE: 11/03/00
DESIGN MANAGER: C. W. Rivers 11/3/00
ENGINEER: N/A
ENGINEERING MANAGER: N/A
INTERFACING CONCURRENCE

OYSTER CREEK | DWG. NO. BR 2005 | SH. 6 OF 6 | REV. 58

SCALE : NONE

PIMS # N/A

REVISIONS		
REV	ZONE	DESCRIPTION
72	ALL	ISI BOUNDARY INFO INCORPORATED

SHUTDOWN HEAT EXCHANGERS

FUEL POOL HEAT EXCHANGERS

AUGMENTED SPENT FUEL POOL HEAT EXCHANGER

NON-REGENERATIVE HEAT EXCHANGERS

REACTOR BLDG. COOLING WATER PUMPS

REACTOR BLDG. CLOSED COOLING WATER HEAT EXCHANGES

NOTES:
1. SEE VALVE LABELING NOTE.

LABELING NOTE:

ALL VALVES ON THIS SHEET ARE PREFIXED BY V-5 UNLESS OTHERWISE NOTED

COLOR LEGEND:

CLASS 3 - GREEN

NON-CLASS (-) - BLACK

NO.	DWG. NO.	TITLE
3	BR-2001 SH 3	MECHANICAL DRAWING INDEX
2	BR-2001 SH 2	ABBREVIATIONS
1	BR-2001 SH 1	MECHANICAL SYMBOLS

REFERENCES

CAD FILE NAME: BR 2006 S1.R72

REVISION 40 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-2006 REV 34

REVISION 69 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,541,21,0100,001-,6901

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN	NANCY A. CARLSON	10-4-2000
CHECKED		10-4-2000
APPROVED		10-4-2000
TECHNICAL REVIEW		

AmerGen

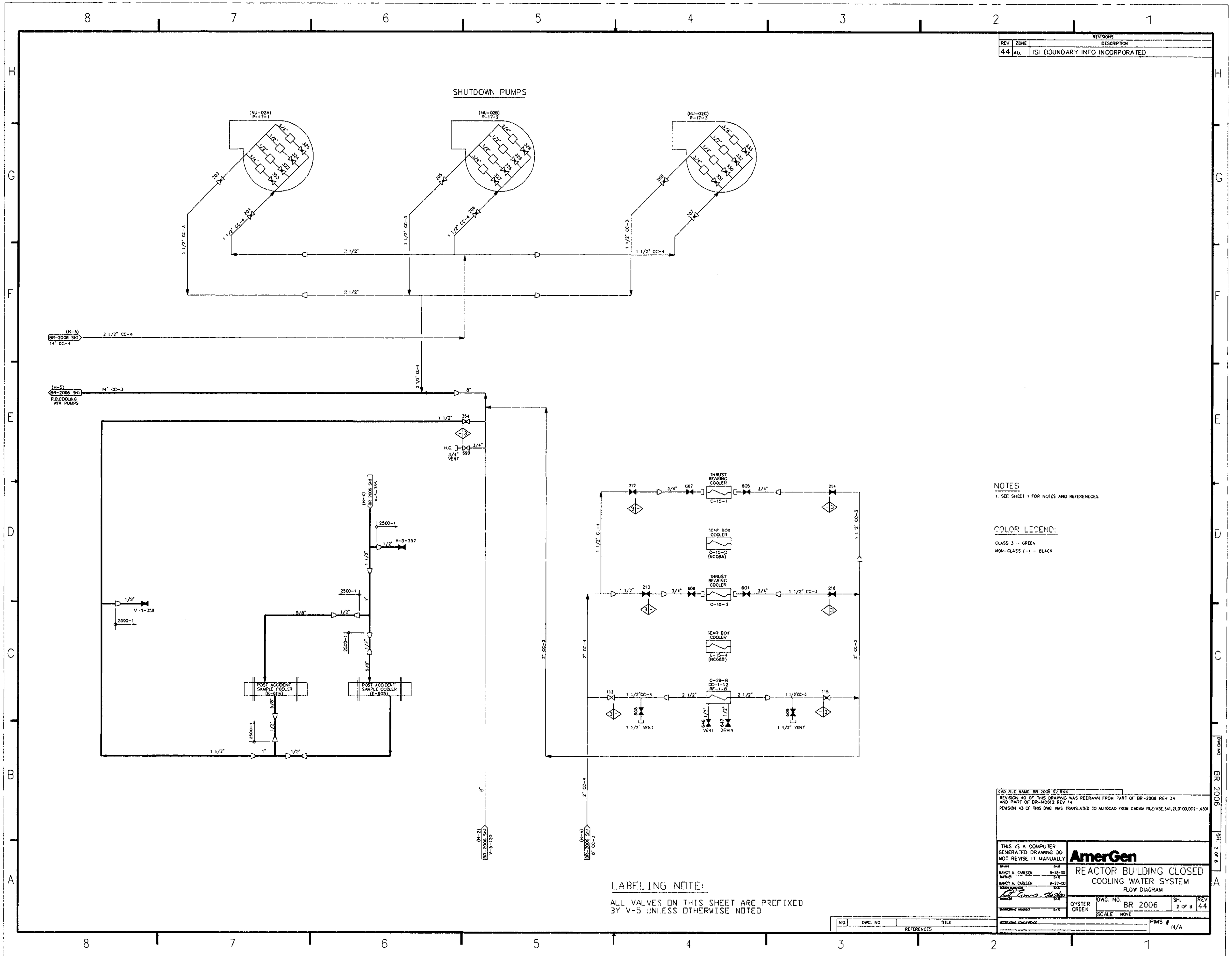
REACTOR BUILDING CLOSED COOLING WATER SYSTEM

FLOW DIAGRAM

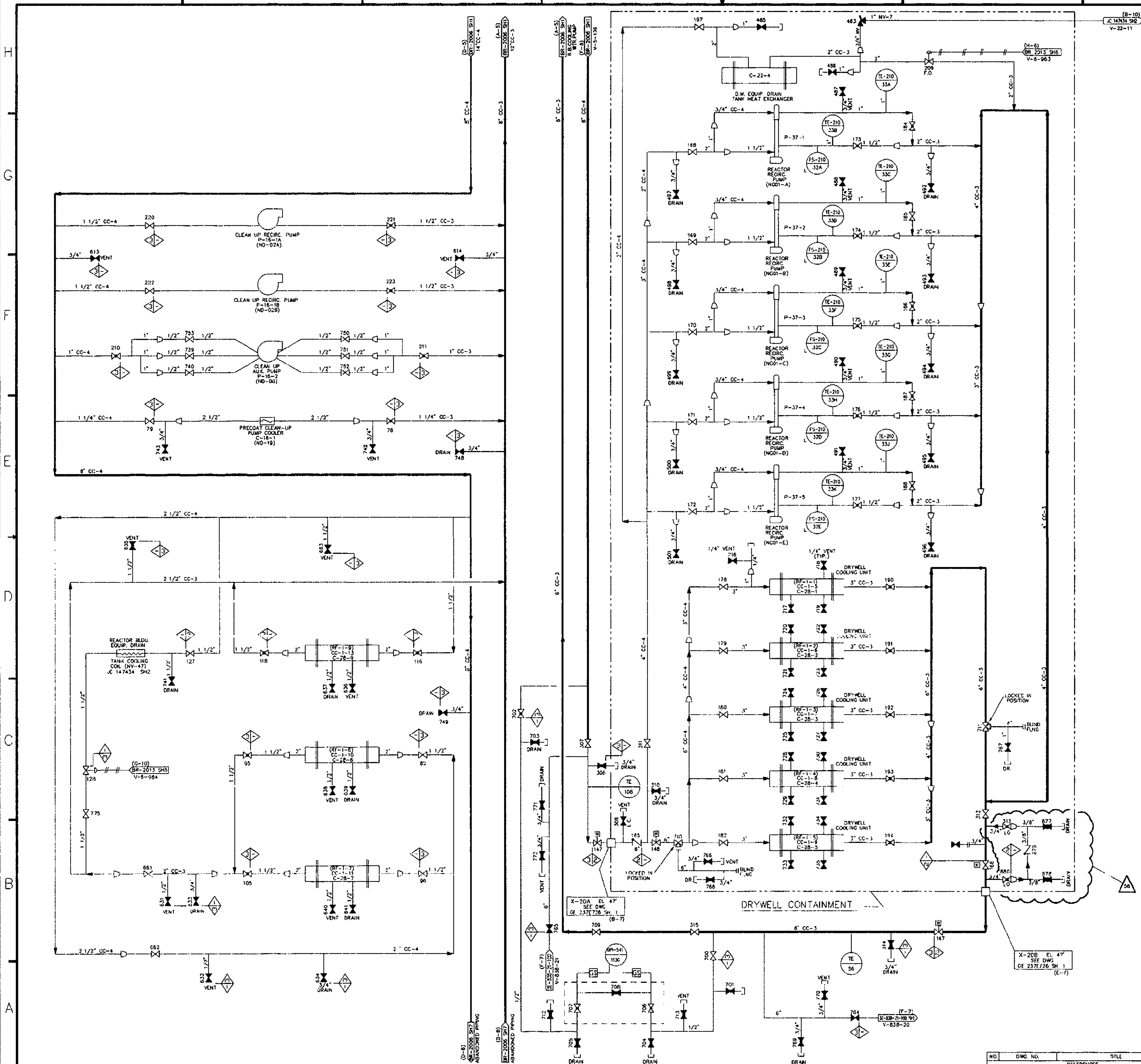
OYSTER CREEK | DWG. NO. BR 2006 | SH. 1 OF 8 | REV. 72 | SCALE: NONE

PIMS # N/A

DWG NO. BR 2006 SH 1 OF 8



REVISIONS
REV | ZONE | DESCRIPTION
44 | ALL | ISI BOUNDARY INFO INCORPORATED
SHUTDOWN PUMPS
(NU-02A) P-17-1
(NU-02B) P-17-2
(NU-02C) P-17-3
2 1/2"
1 1/2" CC-3
1 1/2" CC-4
(H-5) BR-2006 SH1 14" CC-4
2 1/2" CC-4
(H-5) BR-2006 SH1 R.B.COOLING WTR PUMPS
14" CC-3
8"
H.C.
3/4" VENT
POST ACCIDENT SAMPLE COOLER (E-606)
POST ACCIDENT SAMPLE COOLER (E-605)
(H-4) BR 2006 SH1 V-5-355
V-5-357
V-5-358
2500-1
THRUST BEARING COOLER C-15-1
GEAR BOX COOLER C-15-2 (NC06A)
THRUST BEARING COOLER C-15-3
GEAR BOX COOLER C-15-4 (NC06B)
C-28-6 CC-1-12 RF-1-B
1 1/2" VENT
VENT
DRAIN
(H-2) BR-2006 SH1 V-5-120
(H-4) BR-2006 SH1 8" CC-3
2" CC-3
2" CC-4
NOTES
1. SEE SHEET 1 FOR NOTES AND REFERENCES.
COLOR LEGEND:
CLASS 3 - GREEN
NON-CLASS (-) - BLACK
LABELING NOTE:
ALL VALVES ON THIS SHEET ARE PREFIXED BY V-5 UNLESS OTHERWISE NOTED
NO | DWG. NO | TITLE
REFERENCES
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
AmerGen
REACTOR BUILDING CLOSED
COOLING WATER SYSTEM
FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2006
SH. 2 OF 8
REV. 44
SCALE NONE
PIMS # N/A



NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENECES.
2. SEE VALVE LABELING NOTE.

LABELING NOTE:

ALL VALVES ON THIS SHEET ARE PREFIXED BY V-5 UNLESS OTHERWISE NOTED

COLOR LEGEND:

CLASS 2 - RED
CLASS 3 - GREEN
NON-CLASS (-) - BLACK

REVISIONS

REV	ZONE	DESCRIPTION
56	B-3	ECD C314539

CAD FILE NAME: BR 2006 S3 R56

REVISION 40 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-2006 REV 34
REVISION 54 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE:V3E,541,21,0100,003-,5401

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

AmerGen

REACTOR BUILDING CLOSED COOLING WATER SYSTEM
FLOW DIAGRAM

DRAWN	NANCY A. CARLSON 10/11/00
CHECKED	D ABBRUSCATO 10/11/00
	R. CHARLS 11/1/0
	N/A
	N/A

OYSTER CREEK

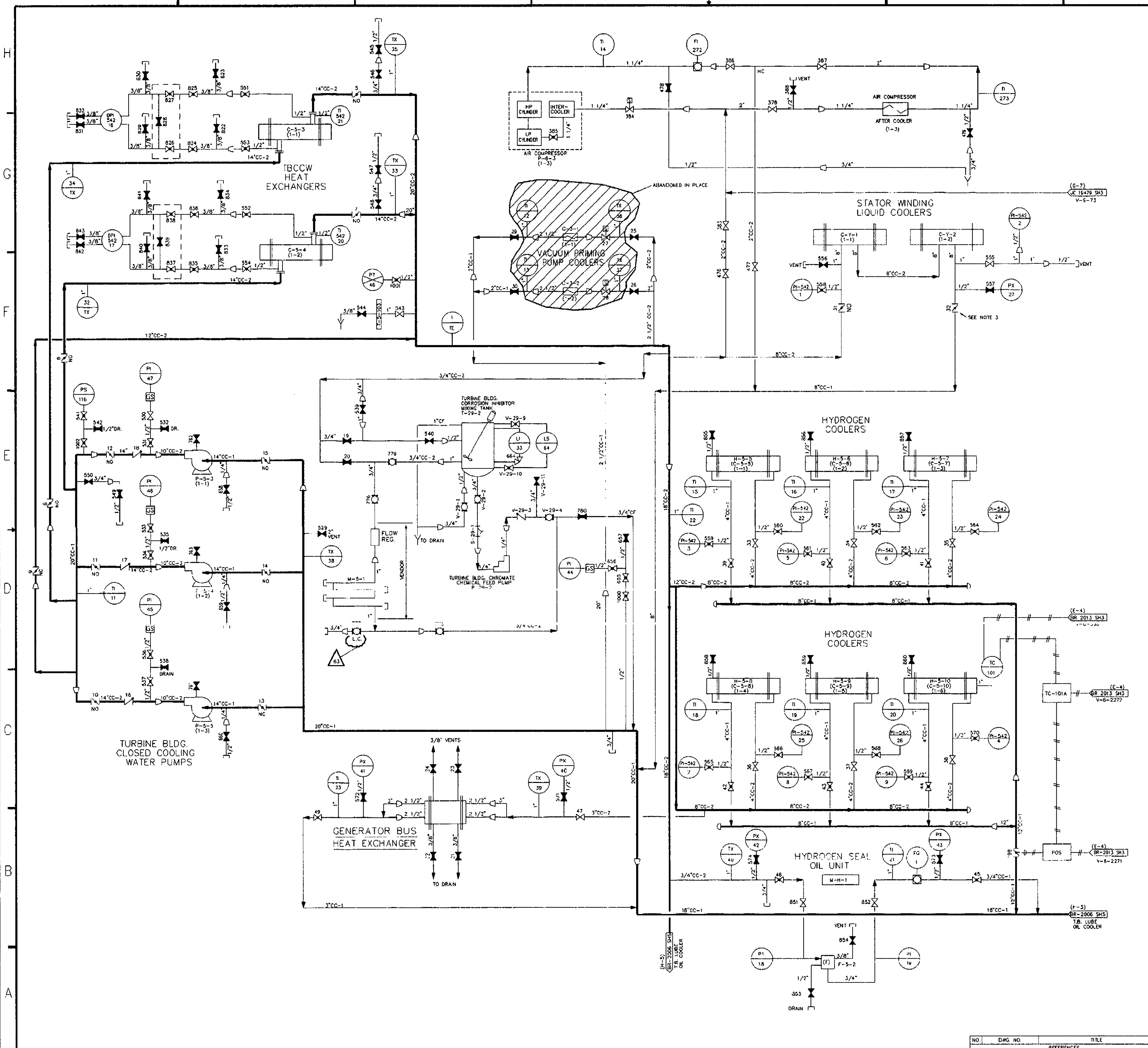
DWG. NO. BR 2006 | SH. 3 OF 8 | REV. 56

SCALE : NONE

PIMS # N/A

NO.	DWG. NO.	TITLE

REFERENCES



REVISIONS		
REV	ZONE	DESCRIPTION
63	D-7	ECD C307478

LABELING NOTE:

ALL VALVES ON THIS SHEET ARE PREFIXED BY V-5 UNLESS OTHERWISE NOTED

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENECES.
2. SEE VALVE LABELING NOTE.
3. V-5-32(F4) IS CLOSED OR THOTTLED PER PROCEDURE 336.4

CAD FILE NAME: BR 2006 S4 R63

REVISION 60 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,542,21,0100,004-,6C01

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

AmerGen

TURBINE BUILDING CLOSED COOLING WATER SYSTEM
FLOW DIAGRAM

DRAWN	NANCY A. CARLSON 02/08/01
CHECKED	D. AFFRUSCATO 02/08/01
DESIGN MANAGER	2/19/01
ENGINEER	
ENGINEERING MANAGER	

OYSTER CREEK

DWG. NO. BR 2006 | SH. 4 OF 8 | REV. 63

SCALE : NONE

INTERFACING CONCURRENCE

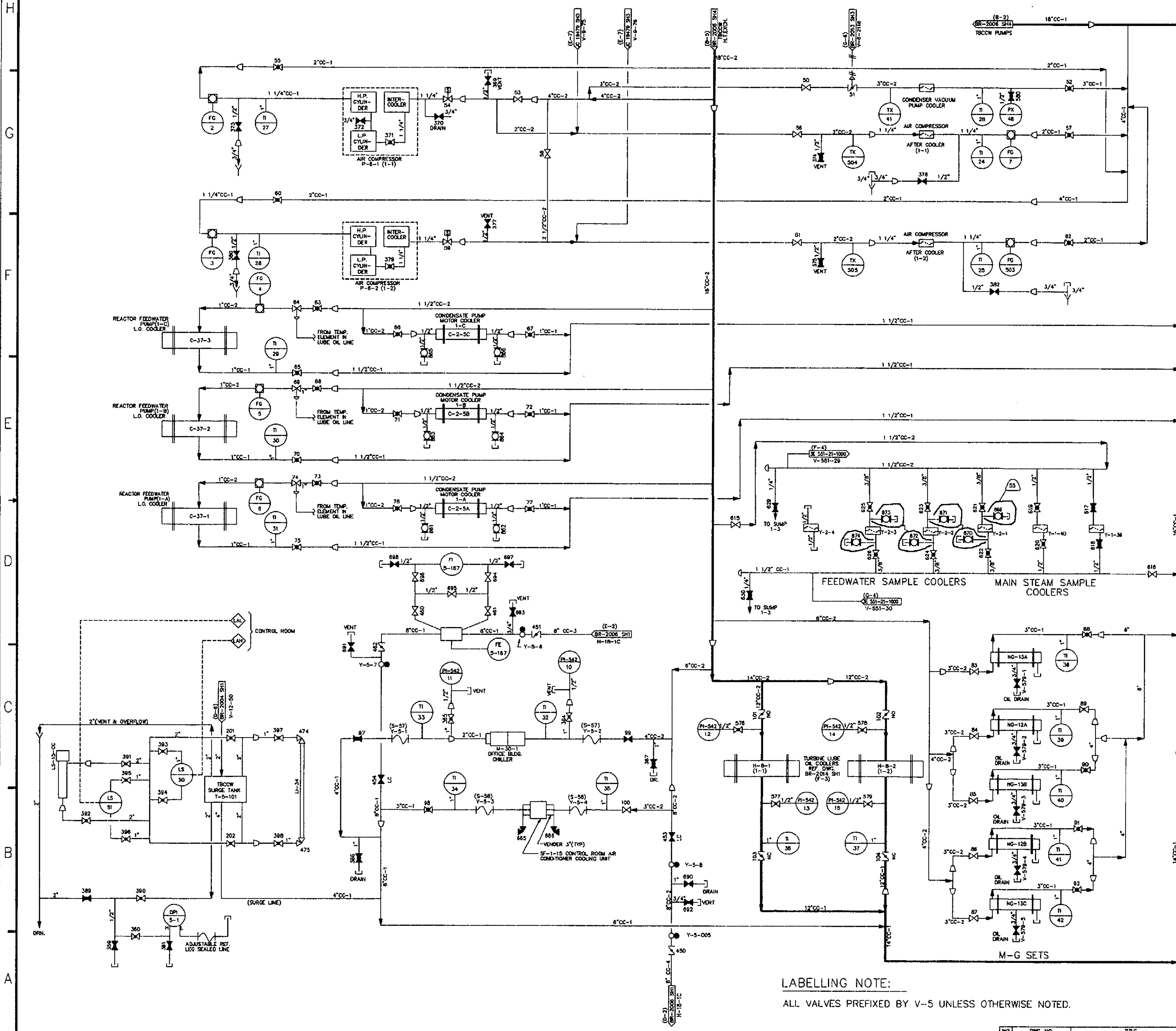
PIMS # N/A

NO.	DWG. NO.	TITLE

REFERENCES

DWG NO. BR 2006 SH. 4 OF 8

REVISIONS		
REV	ZONE	DESCRIPTION
55	D-3,4	ECD C308201


18"CC-1
TBCCW PUMPS
AIR COMPRESSOR P-6-1 (1-1)
AIR COMPRESSOR P-6-2 (1-2)
CONDENSER VACUUM PUMP COOLER
AIR COMPRESSOR AFTER COOLER (1-1)
AIR COMPRESSOR AFTER COOLER (1-2)
REACTOR FEEDWATER PUMP(1-C) L.O. COOLER
REACTOR FEEDWATER PUMP(1-B) L.O. COOLER
REACTOR FEEDWATER PUMP(1-A) L.O. COOLER
CONDENSATE PUMP MOTOR COOLER 1-C
CONDENSATE PUMP MOTOR COOLER 1-B
CONDENSATE PUMP MOTOR COOLER 1-A
FROM TEMP. ELEMENT IN LUBE OIL LINE
FEEDWATER SAMPLE COOLERS
MAIN STEAM SAMPLE COOLERS
TO SUMP 1-3
CONTROL ROOM
TBCCW SURGE TANK T-5-101
(SURGE LINE)
2"(VENT & OVERFLOW)
ADJUSTABLE REF. LEG SEALED LINE
OFFICE BLDG. CHILLER
SF-1-15 CONTROL ROOM AIR CONDITIONER COOLING UNIT
TURBINE LUBE OIL COOLERS REF. DWG. BR-2004 SH1 (F-3)
M-G SETS
OIL DRAIN
DRAIN
VENT

NOTES:
1. SEE SHEET 1 FOR NOTES AND REFERENCES.

LABELLING NOTE:
ALL VALVES PREFIXED BY V-5 UNLESS OTHERWISE NOTED.

NO.	DWG. NO.	TITLE
REFERENCES		

CAD FILE NAME: BR 2006 S5 R55

REVISION 40 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-2006 REV 34
REVISION 54 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,542,21,0100,005-,5401

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

TURBINE BUILDING CLOSED COOLING WATER SYSTEM
FLOW DIAGRAM

DRAWN: NANCY A. CARLSON DATE: 6-28-2000
CHECKED: D.ABBRUSCATO DATE: 6-28-2000
DATE: 7/11/00
N/A
N/A

OYSTER CREEK

DWG. NO. BR 2006 | SH. 5 OF 8 | REV. 55
SCALE : NONE
PIMS # N/A

DWG. NO. BR 2006 SH. 5 OF 8

REVISIONS		
REV	ZONE	DESCRIPTION
50	H-4	ECD C315102

CLOSED COOLING WATER EXPANSION TANK CC-T-1

CHEMICAL ADDITION TANK CC-T-3

CLOSED COOLING WATER HEAT EXCHANGER CC-H-1A

CLOSED COOLING WATER HEAT EXCHANGER CC-H-1B

CLOSED COOLING WATER PUMPS

CC-P-1A

CC-P-1B

ABANDON IN PLACE

ABANDON IN PLACE

CONTROL AIR SUPPLY

RADWASTE BUILDING

NOTES:

1. ALL VALVES ON THIS SHEET ARE PREFIXED CC-HV UNLESS OTHERWISE NOTED.
2. UNLESS OTHERWISE SPECIFIED ALL PRESSURE & FLOW INSTRUMENTATION ROOT VALVES SHALL BE 3/4" GLOBE.
3. ALL COOLING WATER PIPING IN ACCORDANCE WITH LINE SPEC 150-10 EXCEPT AS NOTED.
4. ALL RELIEF VALVE DISCHARGES AND EQUIPMENT DRAINS TO FLOOR DRAIN SYSTEM, UNLESS OTHERWISE NOTED.
5. FOR INSTRUMENTATION DETAILS SEE DWG. GU JE-STO-40-1000.

REVISION 47 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: VSC543.21.0100.006-.4701

REVISION 40 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-M610 REV 17 AND PART OF BR-M612 REV 25

QUALITY LEVEL 3
SEISMIC CATEGORY II
CLEANLINESS D

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

AmerGen

DRAWN	DATE
NANCY A. CARLSON	08/30/00
CHECKED	DATE
D ABBRUSCATO	08/30/00
APPROVED	DATE
CONSTRUCTION MANAGER	DATE

RADWASTE CLOSED COOLING WATER SYSTEM
FLOW DIAGRAM

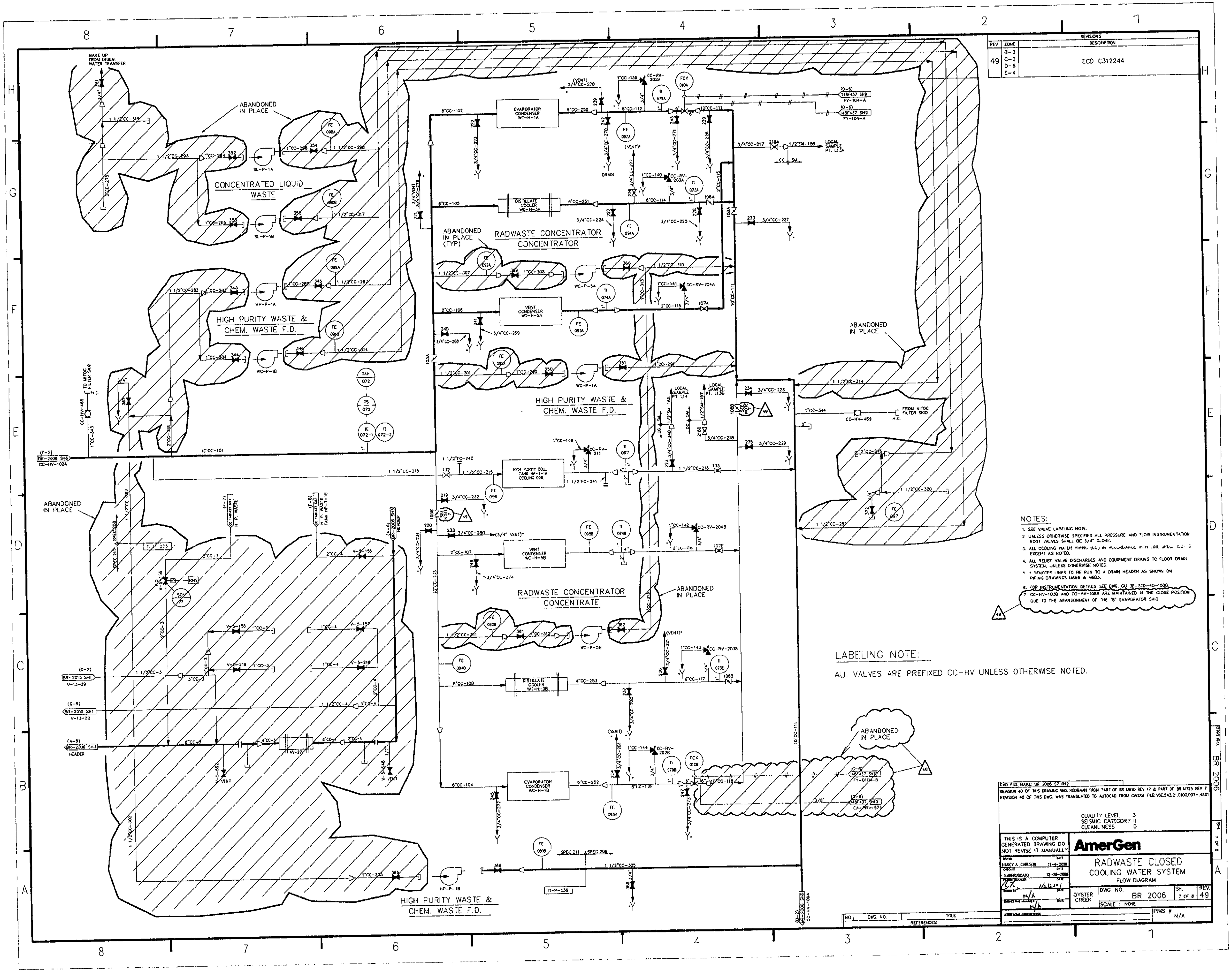
OYSTER CREEK | DWG. NO. BR 2006 | SH. 6 OF 8 | REV. 50

SCALE : NONE | NONE

PIMS # N/A

NO	DWG. NO.	TITLE
REFERENCES		

ER 2006 SH. 6 OF 8 REV. 50


REVISIONS
REV | ZONE | DESCRIPTION
49 | B-3 C-2 D-6 E-4 | ECD C312244
MAKE UP FROM DEMIN. WATER TRANSFER
ABANDONED IN PLACE
CONCENTRATED LIQUID WASTE
HIGH PURITY WASTE & CHEM. WASTE F.D.
RADWASTE CONCENTRATOR CONCENTRATOR
RADWASTE CONCENTRATOR CONCENTRATE
EVAPORATOR CONDENSER WC-H-1A
EVAPORATOR CONDENSER WC-H-1B
DISTILLATE COOLER WC-H-3A
DISTILLATE COOLER WC-H-3B
VENT CONDENSER WC-H-5A
VENT CONDENSER WC-H-5B
HIGH PURITY COLL TANK HP-T-1A COOLING COIL
FROM MITOC FILTER SKID
LOCAL SAMPLE PT. L13A
NOTES:
1. SEE VALVE LABELING NOTE.
2. UNLESS OTHERWISE SPECIFIED ALL PRESSURE AND FLOW INSTRUMENTATION ROOT VALVES SHALL BE 3/4" GLOBE.
3. ALL COOLING WATER PIPING (CC) IN ACCORDANCE WITH LINE SPEC. 150-G EXCEPT AS NOTED.
4. ALL RELIEF VALVE DISCHARGES AND EQUIPMENT DRAINS TO FLOOR DRAIN SYSTEM, UNLESS OTHERWISE NOTED.
5. * DENOTES LINES TO BE RUN TO A DRAIN HEADER AS SHOWN ON PIPING DRAWINGS M666 & M683.
6. FOR INSTRUMENTATION DETAILS SEE DWG. GU 3E-STD-40-1000.
7. CC-HV-103B AND CC-HV-108B ARE MAINTAINED IN THE CLOSE POSITION DUE TO THE ABANDONMENT OF THE "B" EVAPORATOR SKID.
LABELING NOTE:
ALL VALVES ARE PREFIXED CC-HV UNLESS OTHERWISE NOTED.
CAD FILE NAME: BR 2006 S7 R49
REVISION 40 OF THIS DRAWING WAS REDRAWN FROM PART OF BR M610 REV 17 & PART OF BR M725 REV 7.
REVISION 46 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E.543.21.0100.007-.4801
QUALITY LEVEL 3
SEISMIC CATEGORY II
CLEANLINESS D
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
AmerGen
DRAWN NANCY A. CARLSON 11-4-2000
CHECKED D.ABBRUSCATO 12-28-2000
RADWASTE CLOSED COOLING WATER SYSTEM
FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2006
SH. 7 OF 8
REV. 49
SCALE : NONE
PIMS # N/A

REVISIONS		
REV	ZONE	DESCRIPTION
49	D-2	ECO C315013

MAKE-UP FROM DEMIN WATER TRANSFER SYS

CLOSED COOLING WATER PUMPS

OFFGAS BUILDING

NOTES:

1. ALL VALVES ON THIS SHEET ARE PROVIDED CC-HV UNLESS OTHERWISE NOTED.
2. UNLESS OTHERWISE SPECIFIED ALL PRESSURE AND FLOW INSTRUMENTATION ROOT VALVES SHALL BE 3/4" GLOBE.
3. ALL COOLING WATER PIPING (CC) IN ACCORDANCE WITH LINE SPEC. 150-10 EXCEPT AS NOTED.
4. ALL RELIEF VALVE DISCHARGES AND EQUIPMENT DRAINS TO FLOOR DRAIN SYSTEM, UNLESS OTHERWISE NOTED.
5. INSTRUMENT PIPING, SAMPLING PIPING AND INSTRUMENTATION SHOWN SHALL HAVE THE SAME PIPING SYSTEM PREFIX DESIGNATION AS THE PIPING TO WHICH IT IS ATTACHED.
6. ALL COMPONENTS BEING COOLED SHALL BE PROVIDED WITH ONE VALVE ON VENT AND DRAIN CONNECTIONS. VALVES SHALL HAVE SAME PIPE SYSTEM CLASSIFICATION AS COMPONENT.
7. FOR INSTRUMENTATION DETAILS SEE DWG. GU JE-STD-40-1000.

CAD FILE NAME: BR 2006 SB R48

REVISION 40 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-M810 REV 17
REVISION 48 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE:VSE,544,31,0100,008-.4801

QUALITY LEVEL 3
SEISMIC CATEGORY II
CLEANLINESS D

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

	NAME	DATE
DRAWN	NANCY A. CARLSON	7-21-2000
CHECKED		7-21-2000
APPROVED		

GPU NUCLEAR

AUGMENTED OFFGAS CLOSED COOLING WATER SYSTEM

FLOW DIAGRAM

OYSTER CREEK | DWG. NO. 2006 | SH. 8 OF 8 | REV. 49

SCALE : NONE

PIMS # N/A

NO.	DWG. NO.	TITLE
REFERENCES		

BR 2006 SB R48

REVISIONS		
REV	ZONE	DESCRIPTION
25	C-6 D-7	ECDC314558

NOTES:

1. VALVES ARE PREFIXED BY V-4 UNLESS OTHERWISE NOTED.
2. ALL 6" VALVES FROM REHEATER DRAIN TANKS TO ALL FLASH TANKS WILL HAVE ADS RESTRICTED PLUGS.
3. FOR REHEATER PROTECTION DIAGRAM SEE DWG. 713E827
4. FOR MOISTURE REMOVAL DIAGRAM SEE DWG. 713E806
5. FOR OUTLINE DRAIN TANK ASSEMBLY SEE DWG. 10B58152 & 805E548
6. VALVES V-4-108 AND 109 OPEN ON HIGH ALARM
7. FOR OUTLINE DIAPHRAGM ACTUATED CONTROL VALVE SEE DWG. 182A8248
8. DRAIN TANKS (1-2) T-4-007 AND (1-5) T-4-010 WERE WITHDRAWN FROM SERVICE AND REPLACED WITH MOISTURE SEPARATOR DRAIN TANKS (1-2) T-4-012 AND (1-5) T-4-013. SEE REV. 9

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

CAD FILE NAME: BR 2007 SI R25

REVISION 23 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E,431,21,01100,001-2301

REVISION 12 OF THIS DRAWING WAS REDRAWN FROM PART OF BR 2007, REV. 8, AND PART OF BR 2002, REV. 38.

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

NANCY A. CARLSON	4-10-00
D. ABBRUSCATO	4-11-00
	4-26-00

GPU NUCLEAR

HEATER DRAIN, VENT AND PRESSURE RELIEF SYSTEMS FLOW DIAGRAM

OYSTER CREEK | DWG. NO. BR 2007 | SH. 1 OF 4 | REV. 25 | SCALE : NONE | NONE

PIMS # N/A

DRAWING BR 2007 SH 1 OF 4

REVISIONS		
REV	ZONE	DESCRIPTION
29	D-3,4	ECO C3I4548

H.P. HEATER (1-C-3) H-2-003C

L.P. HEATER (1-C-2) H-2-002C

L.P. HEATER (1-C-1) H-2-001C

DRAIN COOLER (1-C-1) H-2-004C

CONDENSER (1-C) CD-2-001C

CONDENSER S.J.A.E. BAY RM.

FLASH TANK (1-1) T-4-001

FLASH TANK (1-2) T-4-002

DRAIN TRANSFER TANK T-4-004 (1-1)

DRAIN TRANSFER TANK T-4-005 (1-2)

DRAIN TRANSFER PUMPS

S.J.A.E. AFTER CONDENSER M-7-002A (1-A-1)

S.J.A.E. AFTER CONDENSER M-7-002B (1-B-1)

S.J.A.E. AFTER CONDENSER M-7-002C (1-C-1)

S.J.A.E. INTER CONDENSER M-7-001A (1-A-1)

S.J.A.E. INTER CONDENSER M-7-001B (1-B-1)

S.J.A.E. INTER CONDENSER M-7-001C (1-C-1)

STEAM JET AIR EJECTORS

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. SEE VALVE LABELING NOTE.

LABELING NOTE:

ALL VALVES ARE PREFIXED BY V-4 UNLESS OTHERWISE NOTED.

CAD FILE NAME: BR 2007 S2 R29

REVISION 26 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CAD FILE. V3E.431.21.0100.002-.260P

REVISION 12 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-2007, REV. 9, AND PART OF BR-2002,REV. 35.

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN	N.CARLSON	09/26/00
CHECKED	D.ABBRUSCATO	09/26/00
ENGINEER		
CHECKED		
PROJECT MGR. APPROVED		

AmerGen

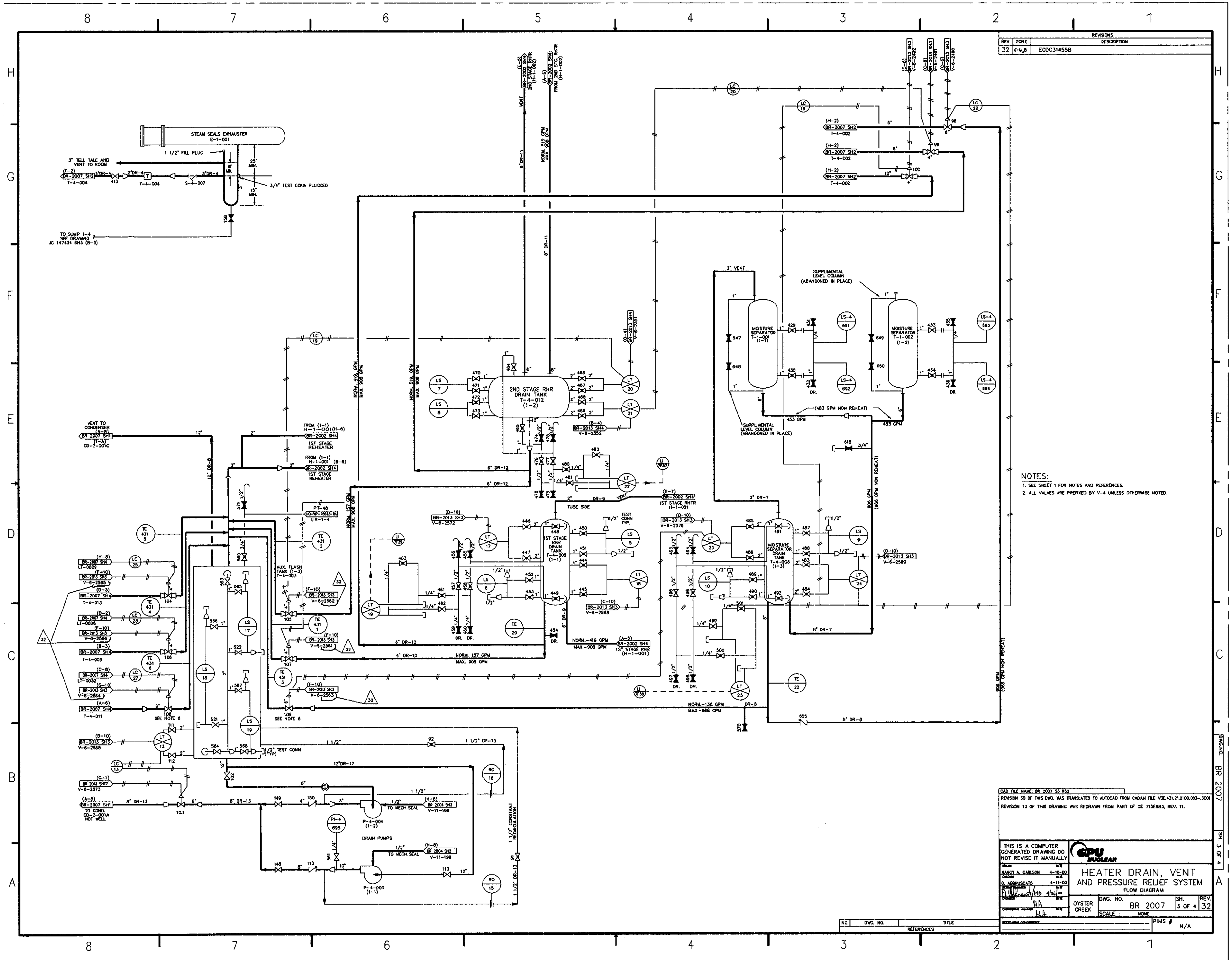
HEATER DRAIN, VENT AND PRESSURE RELIEF SYSTEMS
FLOW DIAGRAM

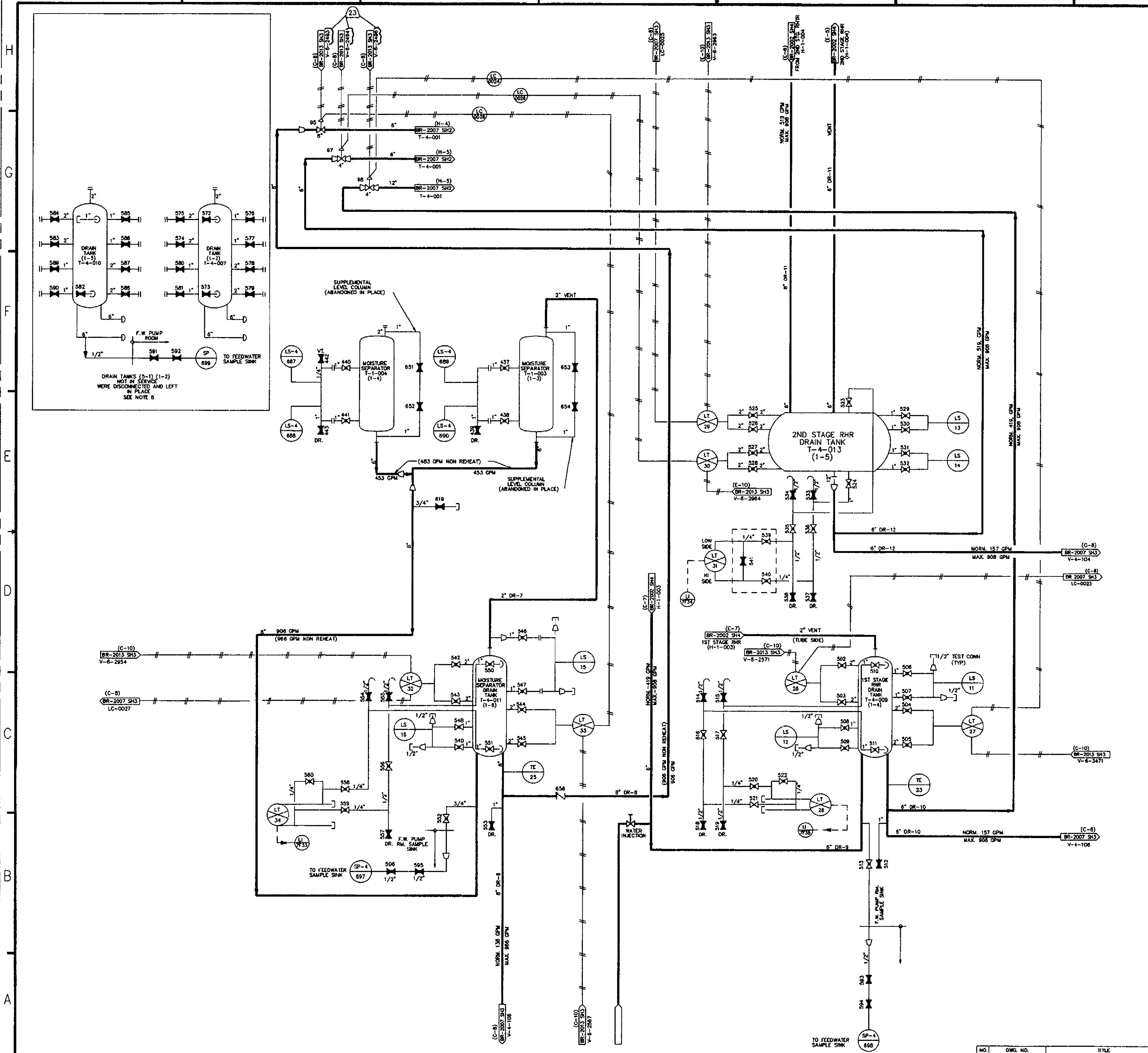
OYSTER CREEK | DWG. NO. BR 2007 | SH. 2 OF 4 | REV. 29 | SCALE : NONE

INTERFACING CONFIGURATION | PIMS # N/A

NO.	DWG NO.	TITLE
REFERENCES		

DWG NO. BR 2007 | SH. 2 OF 4


STEAM SEALS EXHAUSTER
E-1-001
1 1/2" FILL PLUG
3" TELL TALE AND VENT TO ROOM
3/4" TEST CONN PLUGGED
TO SUMP 1-4 SEE DRAWING JC 147434 SH3 (B-5)
2ND STAGE RHR DRAIN TANK
T-4-012
(1-2)
1ST STAGE RHR DRAIN TANK
T-4-006
(1-1)
MOISTURE SEPARATOR DRAIN TANK
T-4-008
(1-3)
MOISTURE SEPARATOR
T-1-001
(1-1)
MOISTURE SEPARATOR
T-1-002
(1-2)
SUPPLIMENTAL LEVEL COLUMN (ABANDONED IN PLACE)
AUX. FLASH TANK (1-3)
T-4-003
DRAIN PUMPS
P-4-004
(1-2)
P-4-003
(1-1)
TO MECH.SEAL
TUBE SIDE
FROM (1-1) H-1-001(H-6)
1ST STAGE REHEATER
VENT TO CONDENSER
TO COND. CD-2-001A HOT WELL
SEE NOTE 6
1 1/2" CONSTANT RECIRCULATION
1/2" TEST CONN
NORM. 419 GPM
MAX. 908 GPM
NORM. 157 GPM
MAX. 908 GPM
NORM.-136 GPM
MAX.-986 GPM
453 GPM
(483 GPM NON REHEAT)
906 GPM
(966 GPM NON REHEAT)
NOTES:
1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES ARE PREFIXED BY V-4 UNLESS OTHERWISE NOTED.
REVISIONS
REV
ZONE
DESCRIPTION
32
C-4,8
ECDC314558
CAD FILE NAME: BR 2007 S3 R32
REVISION 30 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E.431.21.0100.003-.3001
REVISION 12 OF THIS DRAWING WAS REDRAWN FROM PART OF GE 713E883, REV. 11.
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
NANCY A. CARLSON 4-11-00
D. ABBRUSCATO 4-11-00
GPU NUCLEAR
HEATER DRAIN, VENT AND PRESSURE RELIEF SYSTEM
FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2007
SH. 3 OF 4
REV. 32
SCALE: NONE
PIMS # N/A
NO.
DWG. NO.
TITLE
REFERENCES



NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES ARE PREFIXED BY V-4 UNLESS OTHERWISE NOTED.

REV	ZONE	DESCRIPTION
23	H-6,7	ECDC314558

CAD FILE NAME: BR 2007 S4 R23

REVISION 12 OF THIS DRAWING WAS REDRAWN FROM PART OF GE 713E883, REV. 11.
REVISION 21 WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,431,21,0100,004-,2101

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

DRAWN: NANCY A. CARLSON 4-12-00
CHECKED: D. ABBRUSCATO 4-12-00
4-26-00
NA
NA

HEATER DRAIN, VENT AND PRESSURE RELIEF SYSTEM
FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2007 | SH. 4 OF 4 | REV. 23

SCALE: NONE

PIMS # N/A

NO.	DWG. NO.	TITLE

REFERENCES

REVISIONS		
REV	ZONE	DESCRIPTION
40	B-5,6,8	ECD C400404

CONDENSER CD-2-001A (1-A)

CONDENSER CD-2-001B (1-B)

CONDENSER CD-2-001C (1-C)

VACUUM PUMP P-7-001

CONDENSER VACUUM PUMP COOLER C-7-001

SEAL WATER PUMP P-7-002

[7-001 SEPARATOR

INTER-CONDENSER M-7-001A

INTER-CONDENSER M-7-001B

INTER-CONDENSER M-7-001C

AFTER-CONDENSER M-7-002A

AFTER-CONDENSER M-7-002B

AFTER-CONDENSER M-7-002C

STEAM JET AIR EJECTORS 1A

STEAM JET AIR EJECTORS 1B

STEAM JET AIR EJECTORS 1C

NOTES:

1. SEE VALVE LABELING NOTE.

LABELING NOTE:

ALL VALVES ON THIS SHEET ARE PREFIXED V-7 UNLESS OTHERWISE NOTED.

NO.	DWG NO.	TITLE
REFERENCES		
3	BR-2001 SH.3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

CAD FILE NAME: BR 2008 SI R40

REVISION 24 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-2008, REV 17 AND PART OF BR-2002,REV. 35.

REVISION 37 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E_332.21.0100.001-.370P

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN MARCY A. CARLSON 12/20/00

CHECKED R.ABBRUSCATO 12/20/00

AmerGen

AIR EXTRACTION AND OFF-GAS SYSTEM

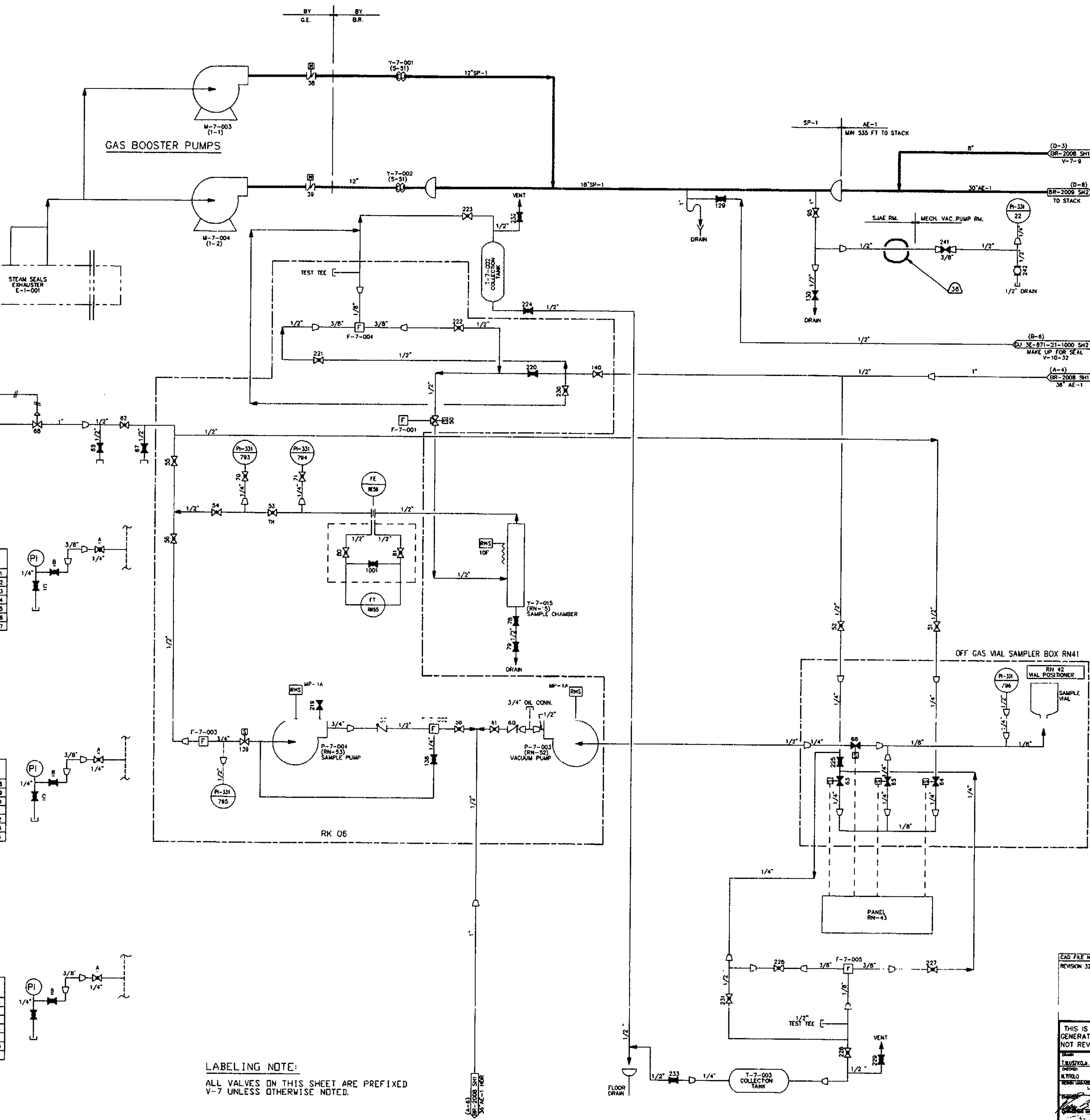
FLOW DIAGRAM

OYSTER CREEK | DWG NO. BR 2008 | SH. 1 OF 2 | REV. 40

SCALE : NONE

PIMS # N/A

BR 2008 SH 1 OF 2



A	B	C	D
ROOT VALVE	ISOLATION VALVE	DRAIN VALVE	INSTR.
V-7-156	V-7-157	V-7-158	PI-331-001
V-7-159	V-7-160	V-7-161	PI-331-002
V-7-162	V-7-163	V-7-164	PI-331-003
V-7-165	V-7-166	V-7-167	PI-331-004
V-7-168	V-7-169	V-7-170	PI-331-005
V-7-171	V-7-172	V-7-173	PI-331-006
V-7-174	V-7-175	V-7-176	PI-331-007

DETAIL-2

A	B	C	D
ROOT VALVE	ISOLATION VALVE	DRAIN VALVE	INSTR.
V-7-177	V-7-178	V-7-179	PI-331-008
V-7-180	V-7-181	V-7-182	PI-331-009
V-7-183	V-7-184	V-7-185	PI-331-010
V-7-186	V-7-187	V-7-188	PI-331-011
V-7-189	V-7-190	V-7-191	PI-331-012
V-7-192	V-7-193	V-7-194	PI-331-013
V-7-195	V-7-196	V-7-197	PI-331-014

DETAIL-3

A	B	C	D
ROOT VALVE	ISOLATION VALVE	DRAIN VALVE	INSTR.
V-7-198	V-7-199	V-7-200	PI-331-015
V-7-201	V-7-202	V-7-203	PI-331-016
V-7-204	V-7-205	V-7-206	PI-331-017
V-7-207	V-7-208	V-7-209	PI-331-018
V-7-210	V-7-211	V-7-212	PI-331-019
V-7-213	V-7-214	V-7-215	PI-331-020
V-7-216	V-7-217	V-7-218	PI-331-021

DETAIL-4

LABELING NOTE:
ALL VALVES ON THIS SHEET ARE PREFIXED V-7 UNLESS OTHERWISE NOTED.

NOTES:
1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. SEE VALVE LABELING NOTE

REV	ZONE	DESCRIPTION
36	F-3	ECO C207835

CAD FILE NAME: BR 2008 S2 R36
REVISION 32 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E.332.21.0100.002-3201

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

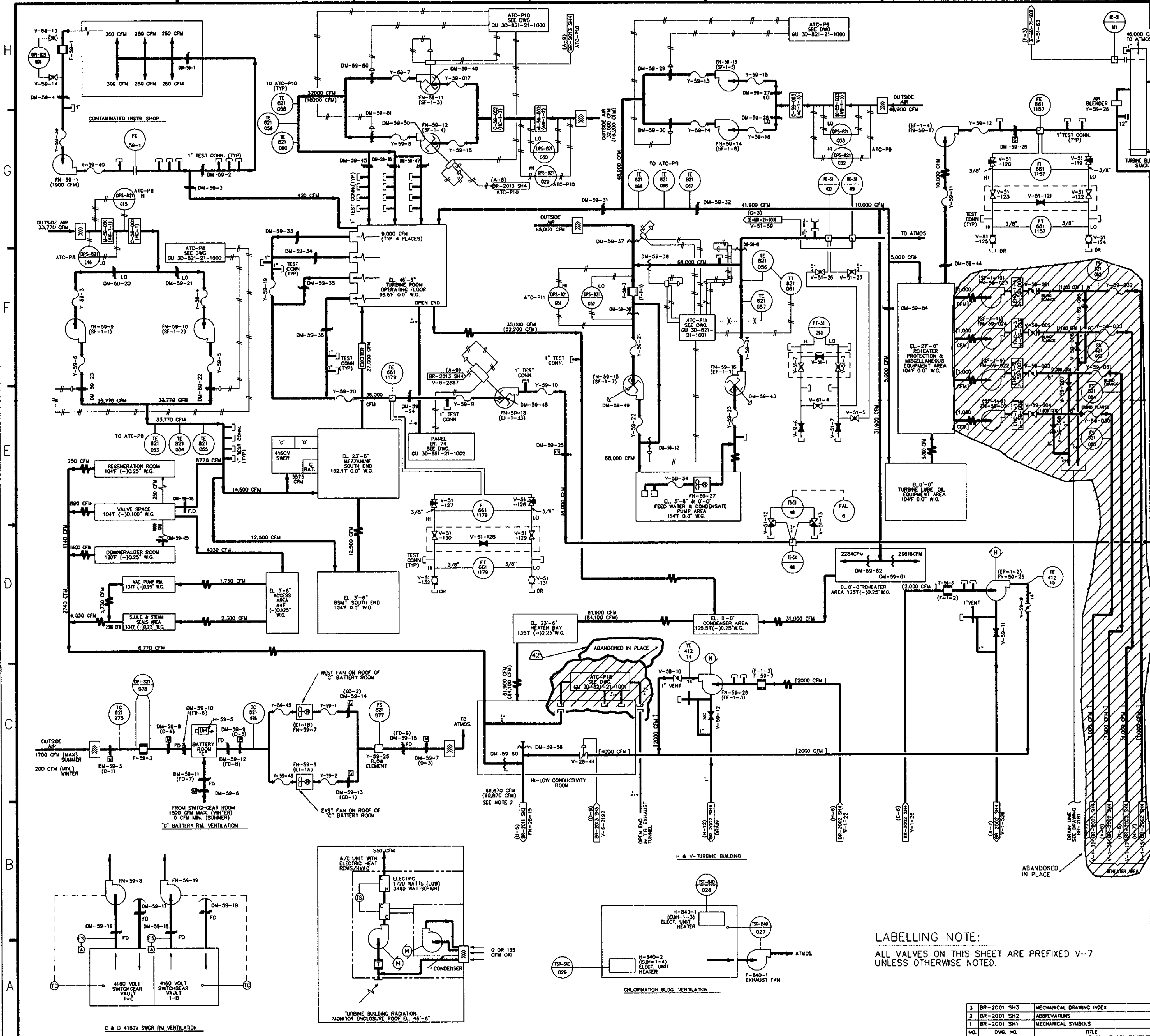
AIR EXTRACTION AND OFF-GAS SYSTEM
FLOW DIAGRAM

DRAWN T. BUSZKO, Jr. 11-1-99
CHECKED H. TIROLO 11-2-99

OYSTER CREEK
DWG. NO. BR 2008 | SH. 2 OF 2 | REV. 36
SCALE : NONE
PIMS # N/A

NO.	DWG. NO.	TITLE

REFERENCES



NOTES:

1. SEE LABELLING NOTE.
2. SYSTEMS EF-1-2 & EF-1-3 ARE OPERATED ON AN INTERMITTENT BASIS ONLY WHEN THE REACTOR IS OUT OF SERVICE AN ADDITIONAL 4000 CFM IS DISCHARGED THROUGH THE PLANT STACK DURING THIS TIME.
3. [ ] INDICATES REHEATER PROTECTION AIR FLOW. WHEN REHEATER PROTECTION SYSTEM IS ACTIVATED, THE FULL CAPACITY OF THE MAIN VENTILATING SYSTEM IS NOT REQUIRED. THE COMBINED FLOW QUANTITY WILL NOT EXCEED THE MAXIMUM CFM INDICATED.
4. MAXIMUM AND MINIMUM AIR QUANTITIES ARE SHOWN BY INDICATING ONE IN PARENTHESES( ). CFM WILL FALL WITHIN THIS RANGE. DEPENDING ON OPERATING CONDITION.
5. TURBINE BUILDING DESIGN EXHAUST FLOW IS 90,870 CFM, WHEN TB OPERATING FLOOR EXHAUST FAN EF-1-33 IS NOT OPERATING WHEN EF-1-33 IS IN OPERATION, STACK EXHAUST FLOW IS 88,670 CFM.
6. VACUUM PUMP FLOW DEPENDS UPON CONDENSER VACUUM.AT 0 PSIG, VACUUM PUMP CAPACITY IS 2800 CFM.AT CONDENSER DESIGN VACUUM CONDITION, STEAM JET AIR EJECTOR FLOW IS 120 CFM.
7. DURING EMERGENCY OPERATION OF THE STANDBY GAS TREATMENT SYSTEM, R.B. VENTILATION IS ISOLATED, SAME CONDITION ALSO EXISTS DURING STANDBY GAS TREATMENT SYSTEM SURVEILLANCE TESTING.
8. WAS 480 CFM SUPPLY TO ORIGINAL STOREKEEPER & SUPERVISORS OFFICES. ARE NOW SUPPLIED FROM UNIT #3.
9. NO FLOW RATES (CFM) FOR HVAC UNIT #4 G-847-001 AS FOUND CONDITION.
10. FLOW RATES FOR HVAC UNIT #1 AND UNIT #3 G-847-003 WERE TRANSFERRED FROM DWG. AXM121D SH2.
11. AIR SUPPLY TO RADCON OFFICE & FIRE PROTECTION OFFICE IS AS FOUND CONDITION. NO FLOW RATES AVAILABLE.
12. FLOW RATES (CFM) FOR MACHINE SHOP RESERVED CONTINGENT UPON WALKDOWN TO RECALIBRATE THE AREAS.

LABELLING NOTE:

ALL VALVES ON THIS SHEET ARE PREFIXED V-7 UNLESS OTHERWISE NOTED.

REV	ZONE	REVISIONS DESCRIPTION
42	C-5	ECD C312143

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

CAD FILE: BR 2009 S1 R42

REVISION 38 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E.821.21.0100.001-.380P

THIS IS A COMPUTER GENERATED DRAWING. DO NOT REVISE IT MANUALLY

DRAWN T.WUSZKO, Jr. 8-9-99
CHECKED N.TITOLO 8-11-99
8-12-99

GPU NUCLEAR

TURBINE BUILDING
H & V
FLOW DIAGRAM

OYSTER CREEK

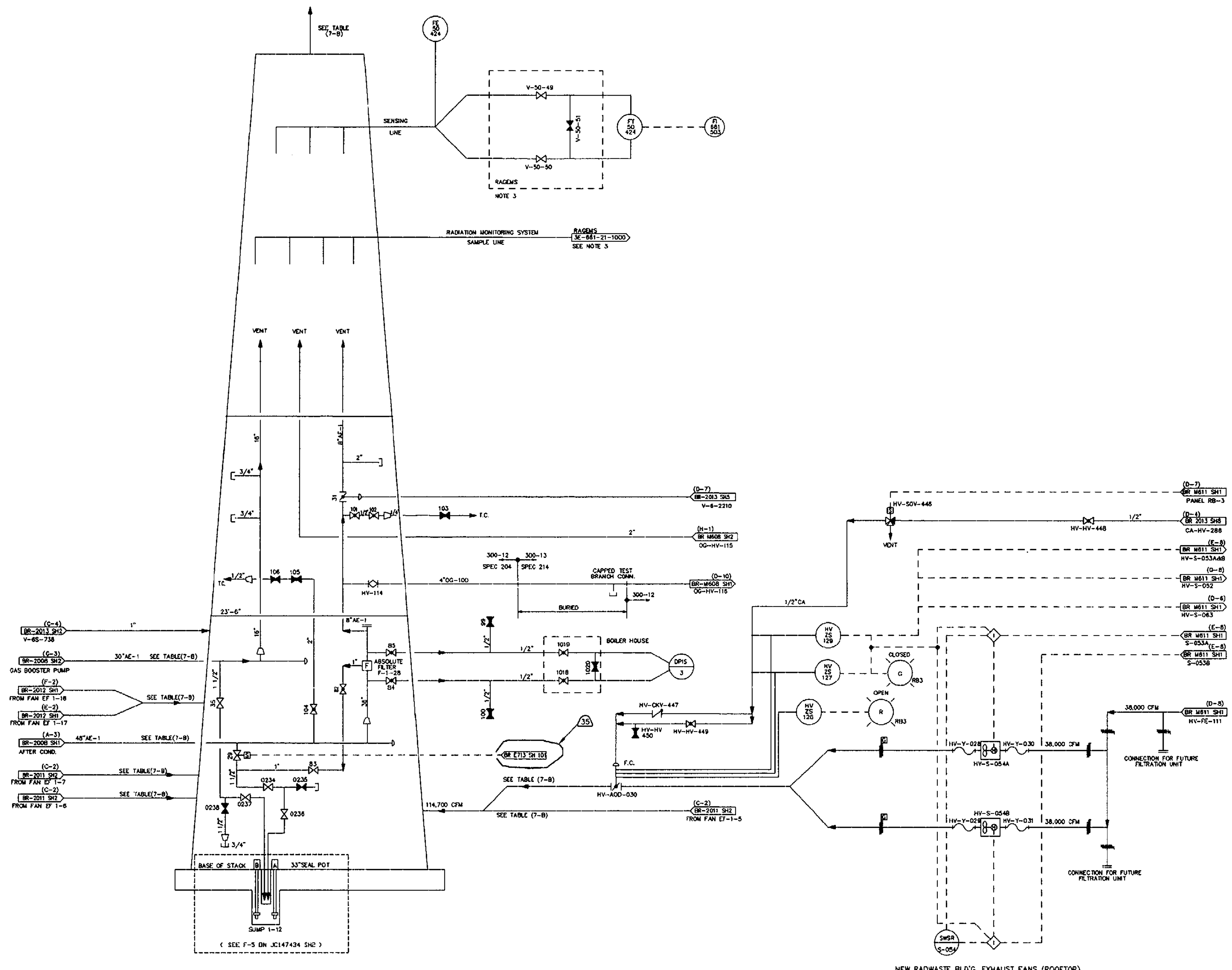
DWG. NO.	SH.	REV.
BR 2009	1 OF 3	42

SCALE : NONE

PIMS # N/A

DWG. NO. BR 2009 SH. 1 OF 3

REV	ZONE	REVISIONS DESCRIPTION
35	C-6	ECDC307221



NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES PREFIXED BY V-7 UNLESS OTHERWISE NOTED.
3. THE SENSING LINE AND SAMPLE LINE ARE INTERGRAL TO EACH OTHER.

	EXHAUST SYSTEMS	START-UP (CFM)	NORMAL POWER (CFM)	EMERG OR SURV. TEST (CFM)	SHUTDOWN (CFM)	NOTES
1.	AIR EXTRACTION & OFF GAS SYS.	2800	120	-	-	6
2.	R.B. VENTILATION (EF-1-5/6)	76,700	76,700	-	76,700	7
3.	T.B. VENTILATION (EF-1-6/7)	68,670	68,670	68,670	68,670	5
4.	N.R.W. BLDG & VENTILATION (HV-5053A & B/HV-5054A & B)	38,000	38,000	38,000	38,000	-
5.	OLD RADWASTE BLDG VENTILATION (EF-1-16 OR EF-1-17)	22,475	22,475	22,475	22,475	-
6.	STANDBY GAS TREATMENT SYS. (EF-1-8 OR EF-1-9)	-	-	2600	-	7
7.	AUGMENTED OFF GAS	NEGLIGIBLE	NEGLIGIBLE	NEGLIGIBLE	NEGLIGIBLE	-
	TOTAL STACK FLOWS	208,645	205,965	131,745	205,845	-

NO.	DWG. NO.	TITLE
REFERENCES		

CAD FILE NAME: BR 2009 S2 R35

REVISION 24 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2008 REV. 18 & 3C-844-21-1000 REV. 3

REVISION 31 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E,844,21,0100,002-,3101

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

DRAWN NANCY A. CARLSON DATE 1-26-00
CHECKED N.TITOLO DATE 1-26-00
DATE 1-26-00
ENGINEER DATE
ENGINEERING MANAGER DATE

H & V MAIN STACK
FLOW DIAGRAM

OYSTER CREEK

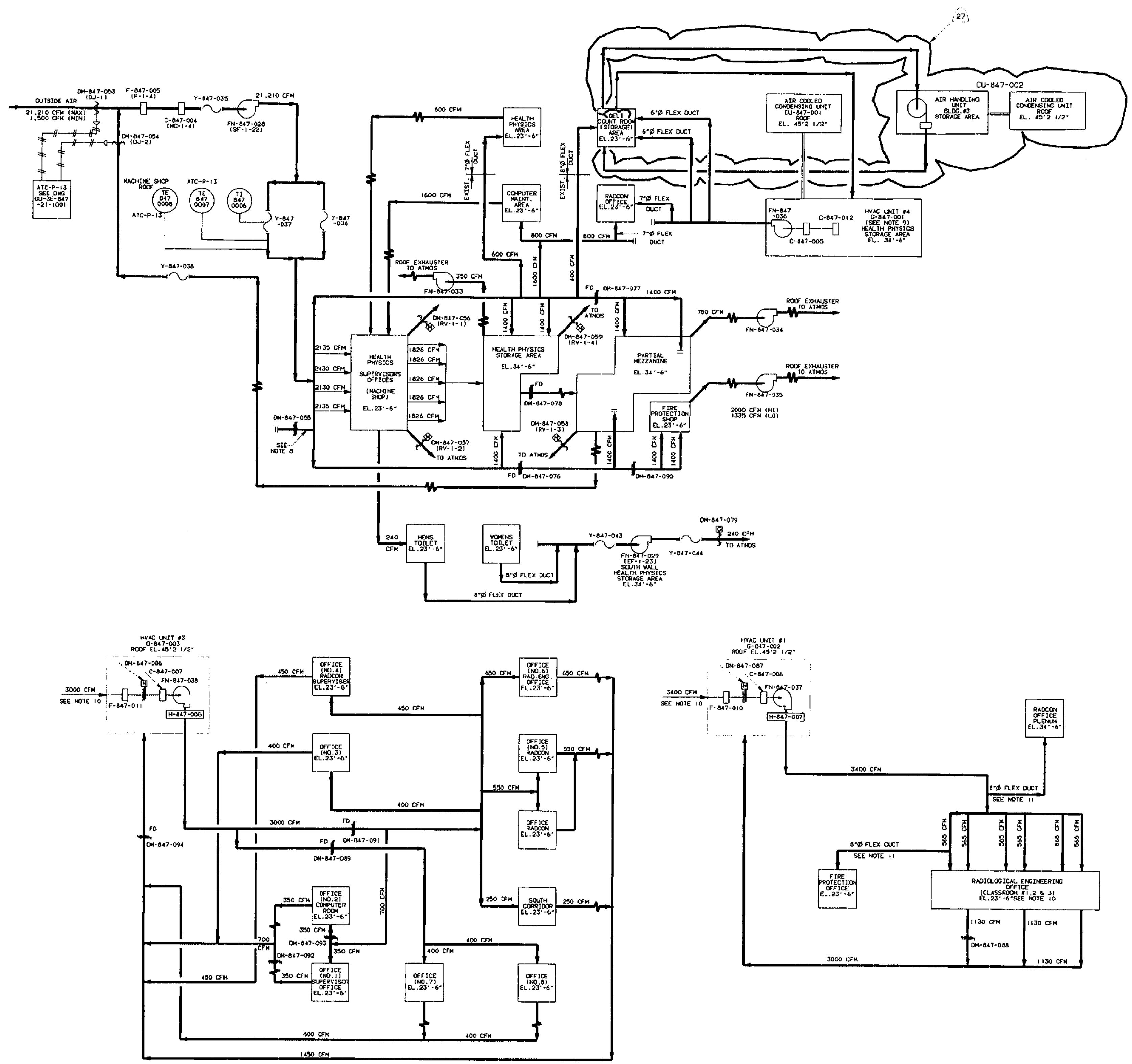
DWG. NO. BR 2009 | SH. 2 OF 3 | REV. 35

SCALE : NONE

INTERFACING CONCURRENCE

PIMS # N/A

DWG. NO. 2009 SH. 2 OF 3



NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES PREFIXED BY V-847 UNLESS OTHERWISE NOTED.

CAD FILE: V3E.847.21.0100.003-.2701
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY
REVISION 24 OF THIS DRAWING WAS REDRAW FROM PART OF 3E-820-21-1000 REV. C

REV.	ZONE	REVISIONS DESCRIPTION
27		FCN C116740

GPU Nuclear /BR
MACH. SHOP & STORAGE BLD'G. H & V FLOW DIAGRAM
OYSTER CREEK
DWG. NO. 2009 SH. 3 OF 3 REV. 27
SCALE: NONE
M. ROSS 06/14/95

REVISIONS		
REV.	ZONE	DESCRIPTION
27	MULTI	ADMINISTRATIVE CHANGE PER CMT 187058

NOTES:

1. VALVES ARE PREFIXED V-56 UNLESS OTHERWISE NOTED.
2. FLOW TO & FROM SAMPLE STATION WILL BE APPROX. 40 CFM (BETWEEN 40 & 100 CFM) DURING NORMAL OPER. FLOW WILL BE BALANCED FOR MAX. OF 100 CFM DURING SAMPLING STATION MAINTENANCE.
3. PASS FUME HOOD IS NORMALLY OPERATED WITH EXHAUST FROM THE HOOD. WHEN HOOD IS PUT INTO OPERATION BY HS-1, DAMPER HV-1 OPENS & DAMPER HV-2 PARTIALLY CLOSES. FUME HOOD ASSOCIATED WITH HV-2 IN HOT CHEM LAB. SHOULD NOT BE UTILIZED WHEN FLOW IS REDUCED DUE TO PASS FUME HOOD OPERATION.
4. 1860 CFM IS COMBINED FLOW OF 975 CFM FROM PASS FUME HOOD AND 885 CFM FROM HOT CHEM. LAB. FUME HOOD WHENEVER PASS FUME HOOD IS PUT INTO OPERATION.

CAD FILE: V3E.823.21.0100.001-.2701
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

REVISION 18 OF THIS DWG. WAS DRAWN FROM PART OF BR 2010 REV. 17

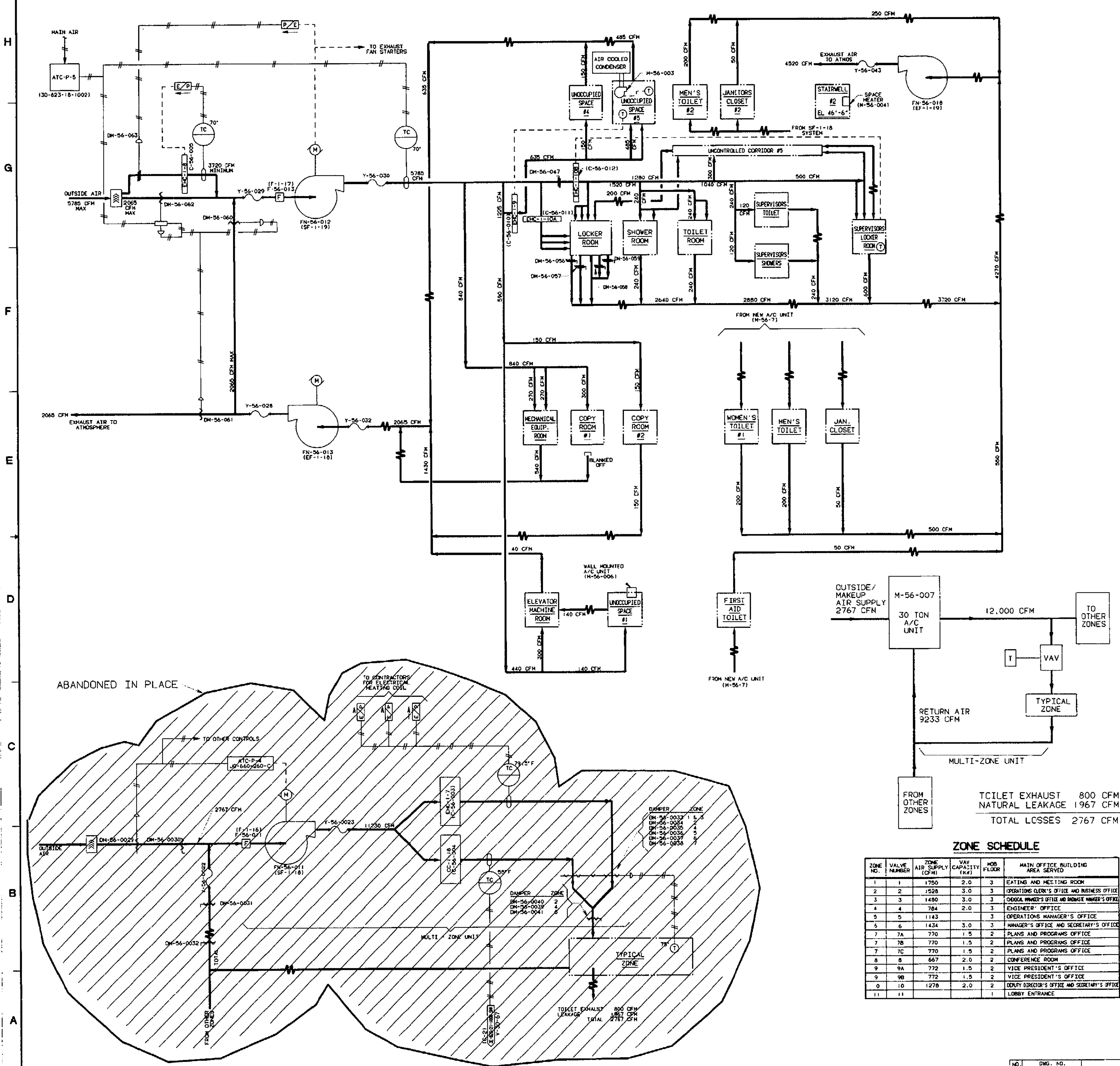
NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DWG. INDEX
2	BR-2001 SH2	MECHANICAL ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

MARK EVERLY	02-06-96 DATE	GPU Nuclear/BR
CHECKED	3-14-96 DATE	OFFICE BUILDING
DESIGN LEADER	3-14-96 DATE	CHEM. LABS
ENGINEER	DATE	FLOW DIAGRAM
MANAGER APPROVAL	3-14-96 DATE	OYSTER CREEK

DWG. NO. 2010 | SH. 1 OF 5 | REV. 27
SCALE: NONE
END. MECH. | BA | W.O.

REV.	ZONE	REVISIONS DESCRIPTION
21		ADMINISTRATIVE CHANGE PER CMT #160936



ZONE SCHEDULE

ZONE NO.	VALVE NUMBER	ZONE AIR SUPPLY (CFM)	VAV CAPACITY (KW)	MOB FLOOR	MAIN OFFICE BUILDING AREA SERVED
1	1	1750	2.0	3	EATING AND MEETING ROOM
2	2	1528	3.0	3	OPERATIONS CLERK'S OFFICE AND BUSINESS OFFICE
3	3	1480	3.0	3	CHEMICAL MANAGER'S OFFICE AND RADWASTE MANAGER'S OFFICE
4	4	784	2.0	3	ENGINEER' OFFICE
5	5	1143		3	OPERATIONS MANAGER'S OFFICE
6	6	1434	3.0	3	MANAGER'S OFFICE AND SECRETARY'S OFFICE
7	7A	770	1.5	2	PLANS AND PROGRAMS OFFICE
7	7B	770	1.5	2	PLANS AND PROGRAMS OFFICE
7	7C	770	1.5	2	PLANS AND PROGRAMS OFFICE
8	8	667	2.0	2	CONFERENCE ROOM
9	9A	772	1.5	2	VICE PRESIDENT'S OFFICE
9	9B	772	1.5	2	VICE PRESIDENT'S OFFICE
0	10	1278	2.0	2	DEPUTY DIRECTOR'S OFFICE AND SECRETARY'S OFFICE
11	11			1	LOBBY ENTRANCE

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES PREFIXED BY V-56 UNLESS OTHERWISE NOTED.

CAD FILE: V3E.823.21.0100.002-.2101

THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

REVISION 18 OF THIS DWG. WAS REDRAWN FROM PART OF BR 2010 REV. 17.

NO	DWG. NO.	TITLE
REFERENCES		

M. ROSS 06/15/95
DRAWN DATE 6-15-95
CHECKED DATE 6-15-95
DESIGN LEADER DATE
ENGINEER DATE 6-15-95
MANAGER APPROVAL DATE

GPU Nuclear/BR

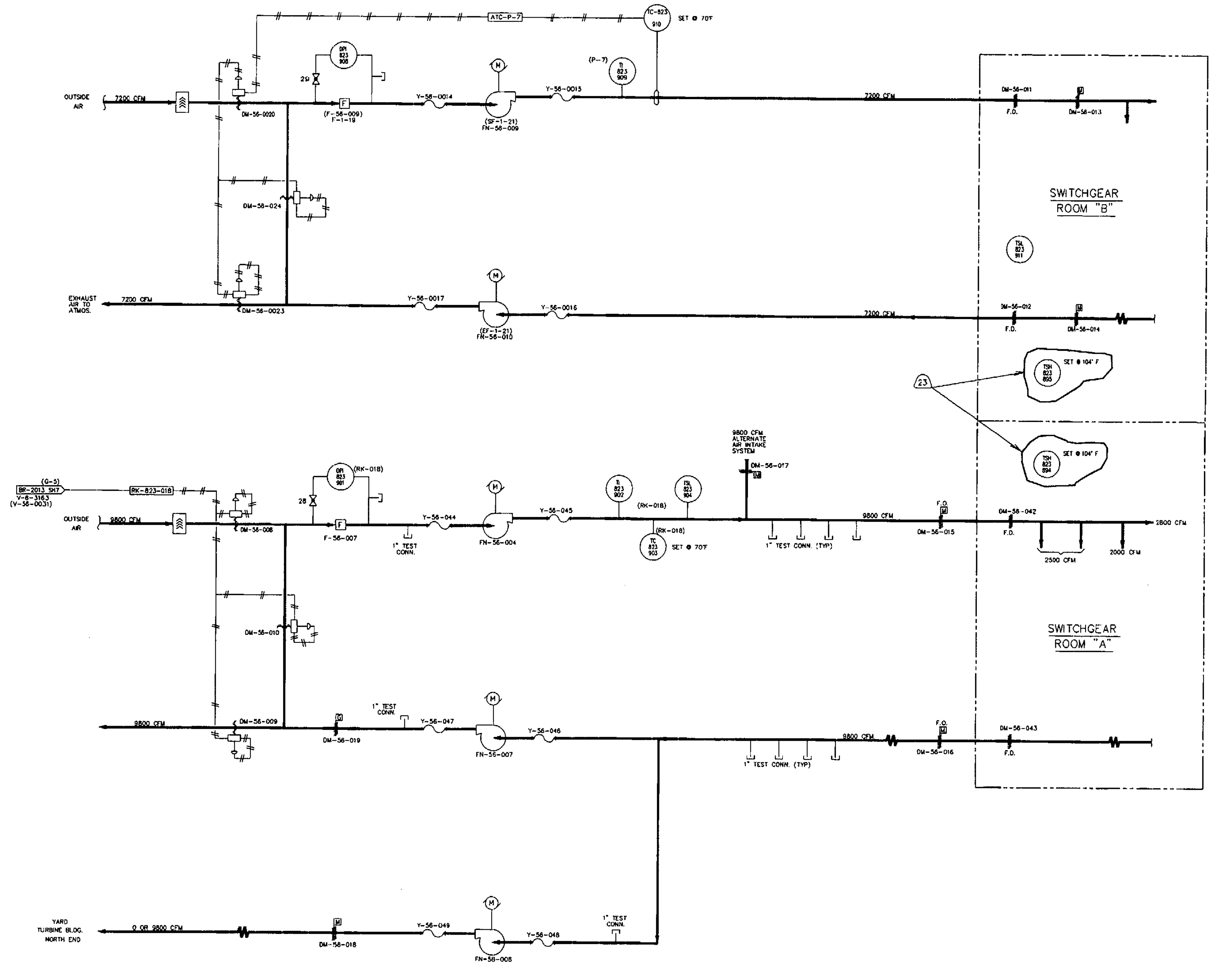
OFFICE BUILDING HVAC
SOUTH END
FLOW DIAGRAM

OYSTER CREEK | DWG. NO. 2010 | SH. 2 OF 5 | REV. 21

SCALE: NONE

ENG.MECH. | BA | W.O.

REVISIONS		
REV	ZONE	DESCRIPTION
23	E-3	ECDC211630



VENTILATION SWITCHGEAR
ROOMS A & B

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES ARE PREFIXED BY V-56 UNLESS OTHERWISE NOTED.

NO.	DWG. NO.	TITLE
REFERENCES		

CAD FILE NAME: BR 2010 S3 R23

REVISION 22 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,823,21,0100,003-,2201
REVISION 18 OF THIS DRAWING WAS REDRAWN FROM PART OF BR 2010 REV. 17

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

DRAWN: NANCY A.CARLSON	DATE: 6-8-98
CHECKED: NTTTOG	DATE: 6-9-98
DESIGN MANAGER: (signature)	DATE: 6/9/98
ENGINEER	DATE
ENGINEERING MANAGER	DATE

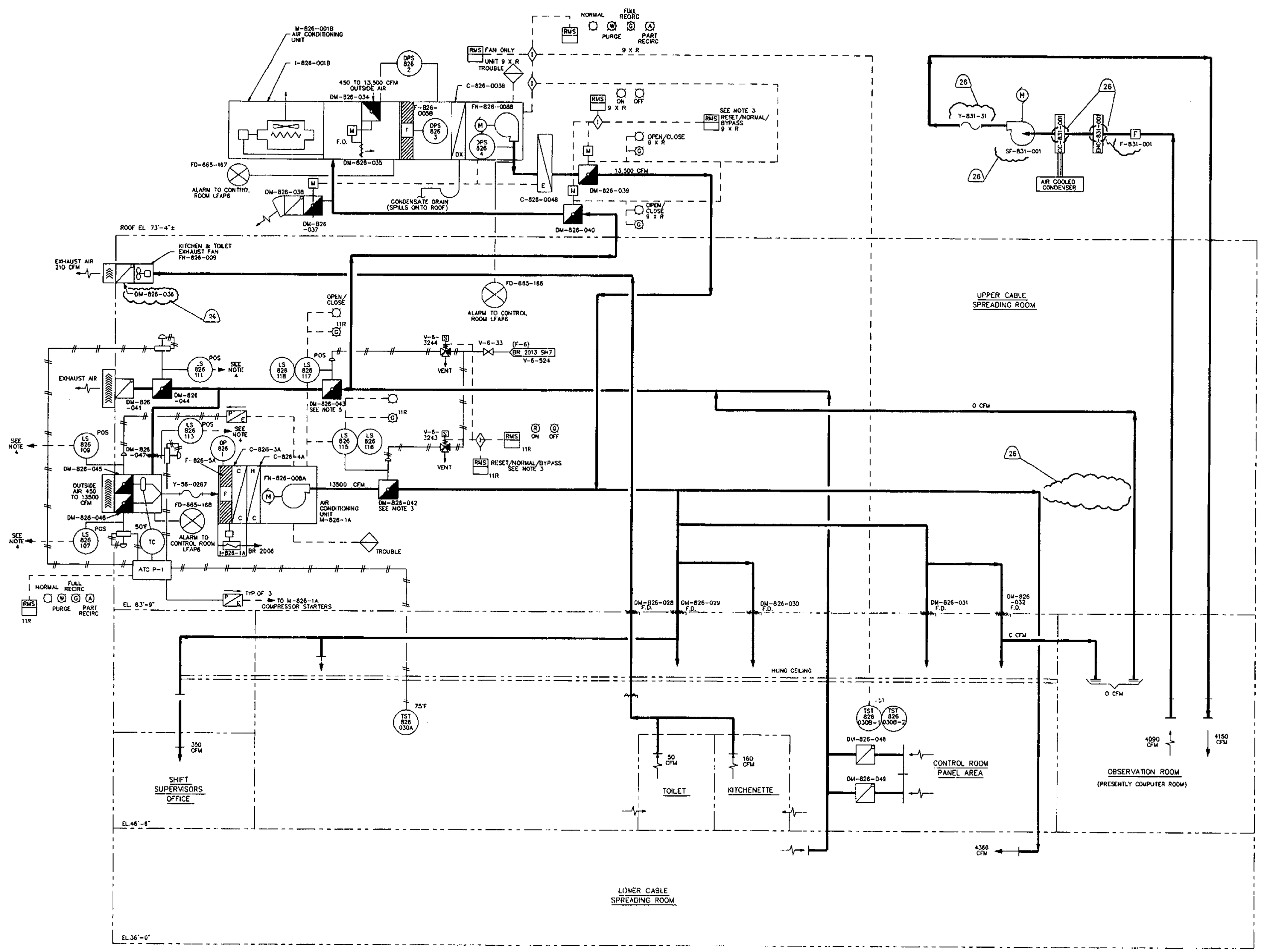
OFFICE BUILDING HVAC
(480V SWG. RM.)
FLOW DIAGRAM

OYSTER CREEK	DWG. NO. BR 2010	SH. 3 OF 5	REV. 23
	SCALE : NONE		

PIMS # N/A

BR 2010 SH 3 of 5

REVISIONS		
REV	ZONE	DESCRIPTION
26	F-8 G,E-3	ECDC315180



NOTES:

1. SEE SHEET 1 FOR ADDITIONAL NOTES AND REFERENCES.
2. ALL VALVE TAG NO. ARE PREFIXED V-826 UNLESS OTHERWISE NOTED.
3. RESET/NORMAL/BYPASS SWITCH FOR OVERRIDING FIRE PROTECTION SIGNAL.
4. SIGNAL FOR DAMPER MODE INDICATION LIGHTS ON CONTROL ROOM PANEL.
5. DAMPER FAILS CLOSED ON LOSS OF POWER OR LOSS OF CONTROL AIR.

CAD FILE NAME: BR 2010 S4 R26

REVISION 18 OF THIS DWG. WAS REDRAWN FROM SN 15050.69-EM-02 REV. 2 AND GU 3E-826-21-1000 REV. 1.

REVISION 24 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E.826,21,0100,004-,2401

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

DRAWN: NANCY A. CARLSON DATE: 11-2-2000

ENGINEER: N/A

ENGINEERING MANAGER: N/A

CONTROL AND CABLE SPREADING ROOMS HVAC

FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2010 | SH. 4 OF 5 | REV. 26

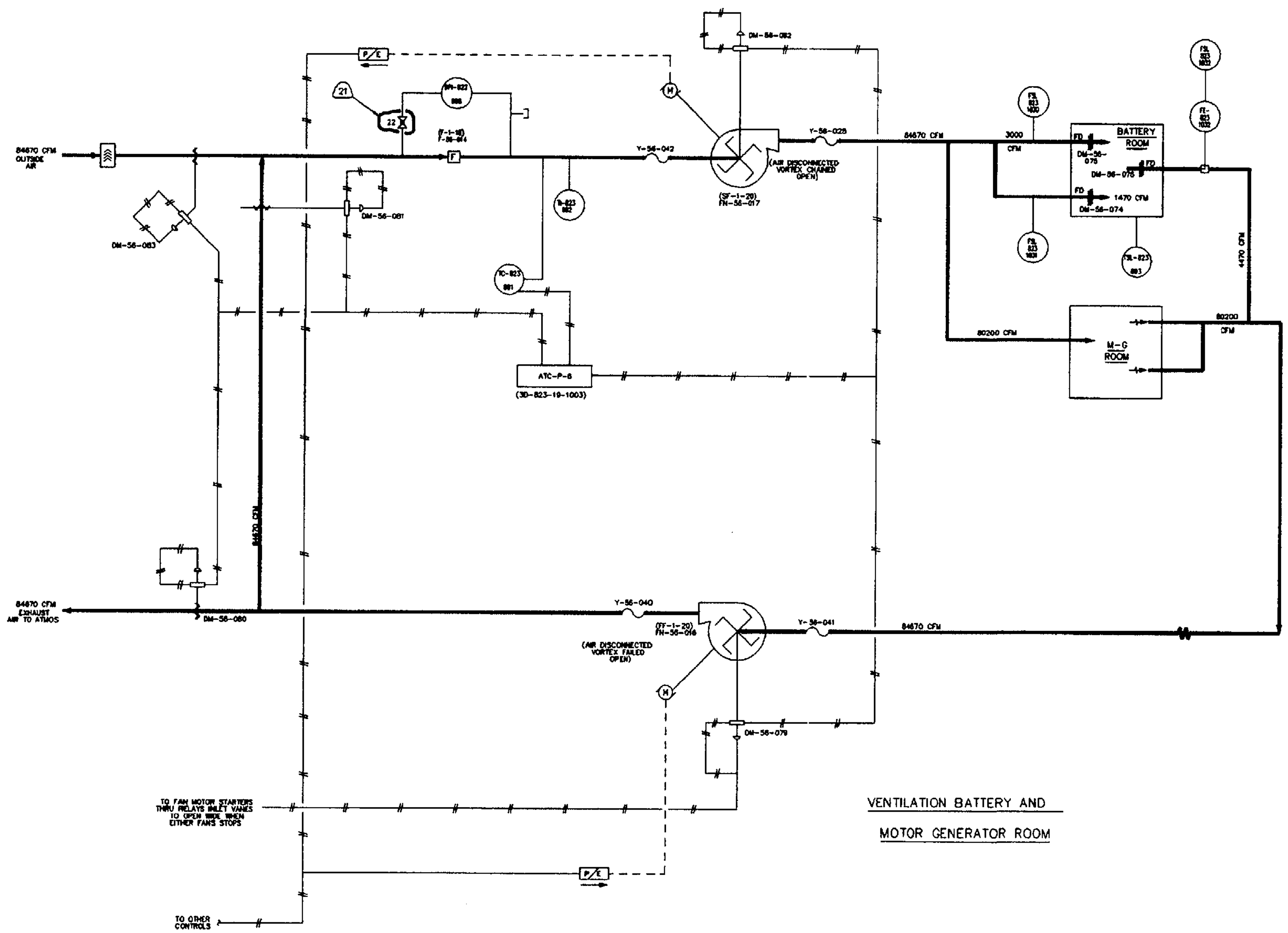
SCALE : NONE

PIMS # N/A

NO.	DWG. NO.	TITLE

REFERENCES

REVISIONS		
REV	ZONE	DESCRIPTION
21	F7	ECD C307469



VENTILATION BATTERY AND

MOTOR GENERATOR ROOM

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVE TAG NUMBERS ARE PREFIXED V-58 UNLESS OTHERWISE NOTED.

CAD FILE NAME: BR 2010 S5 R21

REVISION 20 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM
CAD FILE: V3E.823.21.0100.005-.2001

REVISION 18 OF THIS DWG. WAS REDRAWN FROM PART OF BR 2010 REV. 17.

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

T.W.USZKO,JR. 10-4-90

N.TITOLO 10-5-90

10-5-99

GPU NUCLEAR

BATTERY AND MG SET
ROOM VENTILATION
FLOW DIAGRAM

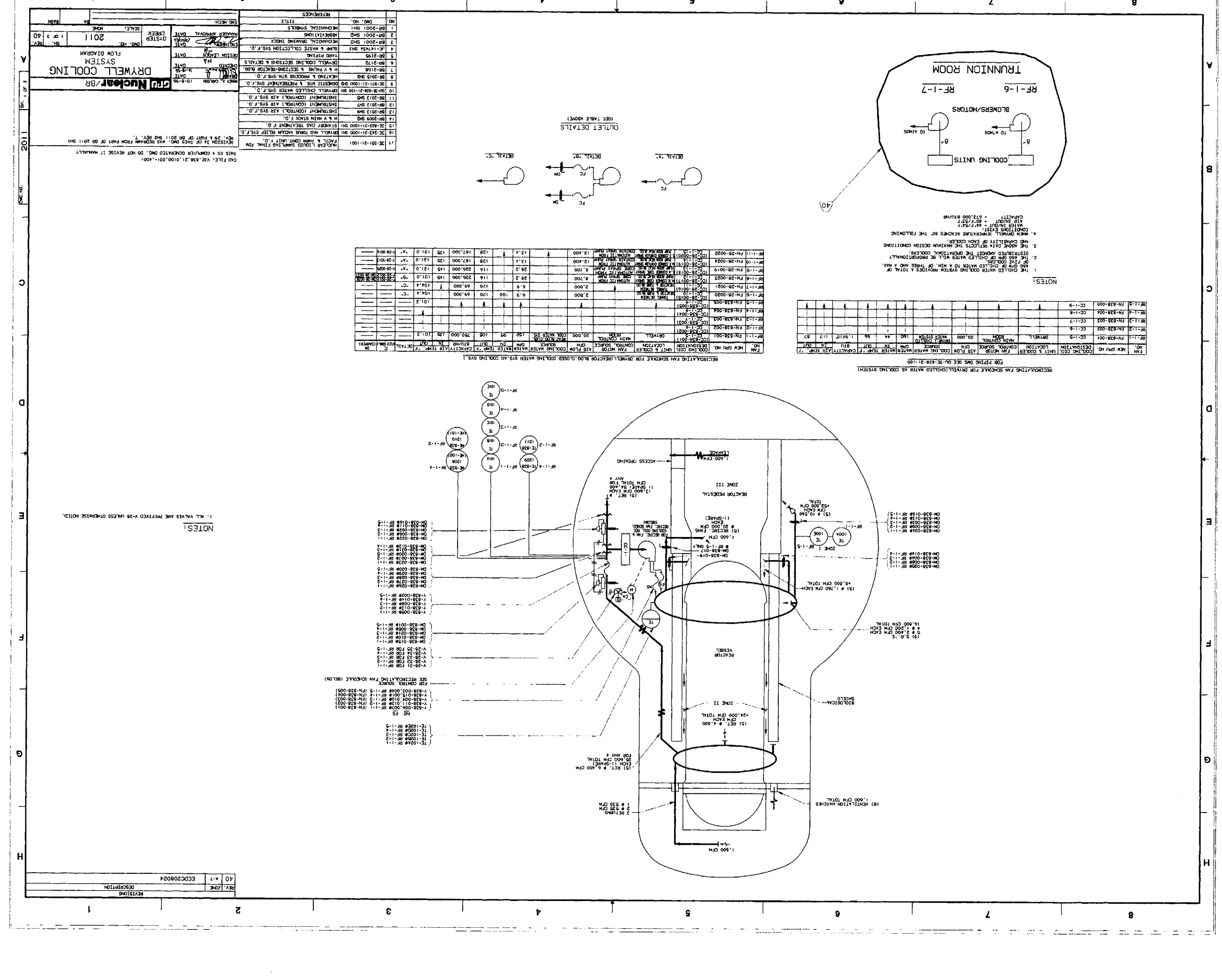
OYSTER CREEK

DWG. NO. BR 2010 | SH. 5 OF 5 | REV. 21

SCALE : NONE

PIMS # N/A

DWG. NO. BR 2010 SH. 5 OF 5



REVISIONS		
REV.	ZONE	DESCRIPTION
40	A-7	ECDC208024

NOTES:

1. ALL VALVES ARE PREFIXED V-28 UNLESS OTHERWISE NOTED.

RECIRCULATING FAN SCHEDULE FOR DRYWELL (CHILLED WATER AS COOLING SYSTEM)
FOR PIPING DWG SEE GU-3E-838-21-100

FAN NO.	NEW GPU NO.	COOLING COIL DESIGNATION	UNIT & COOLER LOCATION	FAN MOTOR CONTROL SOURCE	AIR FLOW CFM	COOLING WATER SOURCE	WATER GPM	WATER TEMP °F		CAPACITY BTU	AIR TEMP. °F	
								IN	OUT		IN	OUT
RF-1-1	FN-838-001	CC-1-5	DRYWELL	MAIN CONTROL ROOM	20,000	DRYWELL CHILLED WATER SYSTEM	160	44	66	1.9×10^{6}	117	87
RF-1-2	FN-838-002	CC-1-6										
RF-1-3	FN-838-003	CC-1-7										
RF-1-4	FN-838-004	CC-1-8										
RF-1-5	FN-838-005	CC-1-9										

NOTES:

1. THE CHILLED WATER COOLING SYSTEM PROVIDES A TOTAL OF 480 GPM OF CHILLED WATER TO A MIN. OF THREE AND A MAX. OF FIVE COOLERS.
2. THE 480 GPM OF CHILLED WATER WILL BE PROPORTIONALLY DISTRIBUTED AMONGST THE OPERATIONAL COOLERS.
3. THE ABOVE DATA REFLECTS THE MAXIMUM DESIGN CONDITIONS AND CAPABILITY OF EACH COOLER.
4. WHEN DRYWELL TEMPERATURE REACHES 80° THE FOLLOWING CONDITIONS EXIST:
   WATER IN/OUT = 44°F/54°F
   AIR IN/OUT = 80°F/53°F
   CAPACITY = 673,000 BTU/HR

RECIRCULATING FAN SCHEDULE FOR DRYWELL (REACTOR BLDG. CLOSED COOLING WATER SYS. AS COOLING SYS.)

FAN NO.	NEW GPU NO.	COOLING COIL DESIGNATION	UNIT & COOLER LOCATION	FAN MOTOR CONTROL SOURCE	AIR FLOW CFM	COOLING WATER SOURCE	WATER GPM	WATER TEMP °F		CAPACITY BTU/HR	AIR TEMP. °F		DETAIL	FC [illegible]	DM (DAMPER)
								IN	OUT		IN	OUT			
RF-1-1	FN-838-001	(CC-838-001) CC-1-5	DRYWELL	MAIN CONTROL ROOM	20,000	REAC. BLDG. CLOS. COOL WATER SYS.	150	95	105	750,000	135	101.3	——	——	——
RF-1-2	FN-838-002	(CC-838-002) CC-1-6											——	——	——
RF-1-3	FN-838-003	(CC-838-003) CC-1-7											——	——	——
RF-1-4	FN-838-004	(CC-838-004) CC-1-8											——	——	——
RF-1-5	FN-838-005	(CC-838-005) CC-1-9										101.2	——	——	——
RF-1-6	FN-28-0020	(CC-28-0015) CC-1-10	TUNNEL BETWEEN REACTOR & TURB. BLDG.		2,500		6.9	100	120	69,000		104.4	"C"	——	——
RF-1-7	FN-28-0021	(CC-28-0016) CC-1-11	TUNNEL BETWEEN REACTOR & TURB. BLDG.		2,500		6.9		120	69,000		104.4	"C"	——	——
RF-1-8	FN-28-0023	(CC-28-0017) CC-1-12	N.W. CORNER CORE SPRAY PUMP ROOM REAC. BLDG.	AUTOMATIC FROM CORE SPRAY PUMP	8,700		28.2		116	226,000	145	121.0	"B"	Y-28-0011 Y-28-0012	DM-28-0036 DM-28-0037
RF-1-9	FN-28-0019	(CC-28-0018) CC-1-13	S.W. CORNER CORE SPRAY PUMP ROOM REAC. BLDG.	AUTOMATIC FROM CORE SPRAY PUMP	8,700		28.2		116	226,000	145	121.0	"A"	Y-28-0025	——
RF-1-10	FN-28-0024	(CC-28-0019) CC-1-14	N.E. CORNER CONTAIN SPRAY PUMP ROOM REAC. BLDG.	AUTOMATIC FROM CONTAIN SPRAY PUMP	12,400		13.4		128	187,000	135	121.0	"A"	Y-28-0013	——
RF-1-11	FN-28-0022	(CC-28-0020) CC-1-15	S.E. CORNER CONTAIN SPRAY PUMP ROOM REAC. BLDG.	AUTOMATIC FROM CONTAIN SPRAY PUMP	12,400		13.4		128	187,000	135	121.0	"A"	Y-28-0014	——

OUTLET DETAILS
(SEE TABLE ABOVE)

CAD FILE: V3E.838.21.0100.001-.4001
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

REVISION 34 OF THIS DWG. WAS REDRAWN FROM PART OF BR 2011 SH1 REV. 29 & PART OF BR 2011 SH2 REV. 7.

NO.	DWG. NO.	TITLE
17	3E-551-21-1001	NUCLEAR LIQUID SAMPLING FINAL FDW FACIL & THRM CONT.UNIT F.D.
16	3E-243-21-1000 SH1	DRYWELL AND TORUS VACUUM RELIEF SYS.F.D.
15	3E-822-21-1000 SH1	STANDBY GAS TREATMENT F.D.
14	BR-2009 SH2	H & V MAIN STACK F.D.
13	BR-2013 SH9	INSTRUMENT (CONTROL) AIR SYS.F.D.
12	BR-2013 SH7	INSTRUMENT (CONTROL) AIR SYS.F.D.
11	BR-2013 SH5	INSTRUMENT (CONTROL) AIR SYS.F.D.
10	GU-3E-838-21-100 SH1	DRYWELL CHILLED WATER SYS.F.D.
9	3E-871-21-1000 SH2	DOMESTIC WTR. & PRETREATMENT SYS.F.D.
8	BR-2015 SH2	HEATING & PROCESS STM.SYS.F.D.
7	BR-2168	H & V PLANS & SECTIONS-REACTOR BLDG.
6	BR-2172	DRYWELL COOLING SECTIONS & DETAILS
5	BR-2195	YARD PIPING
4	JC-147434 SH.1	SUMP & WASTE COLLECTION SYS.F.D.
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

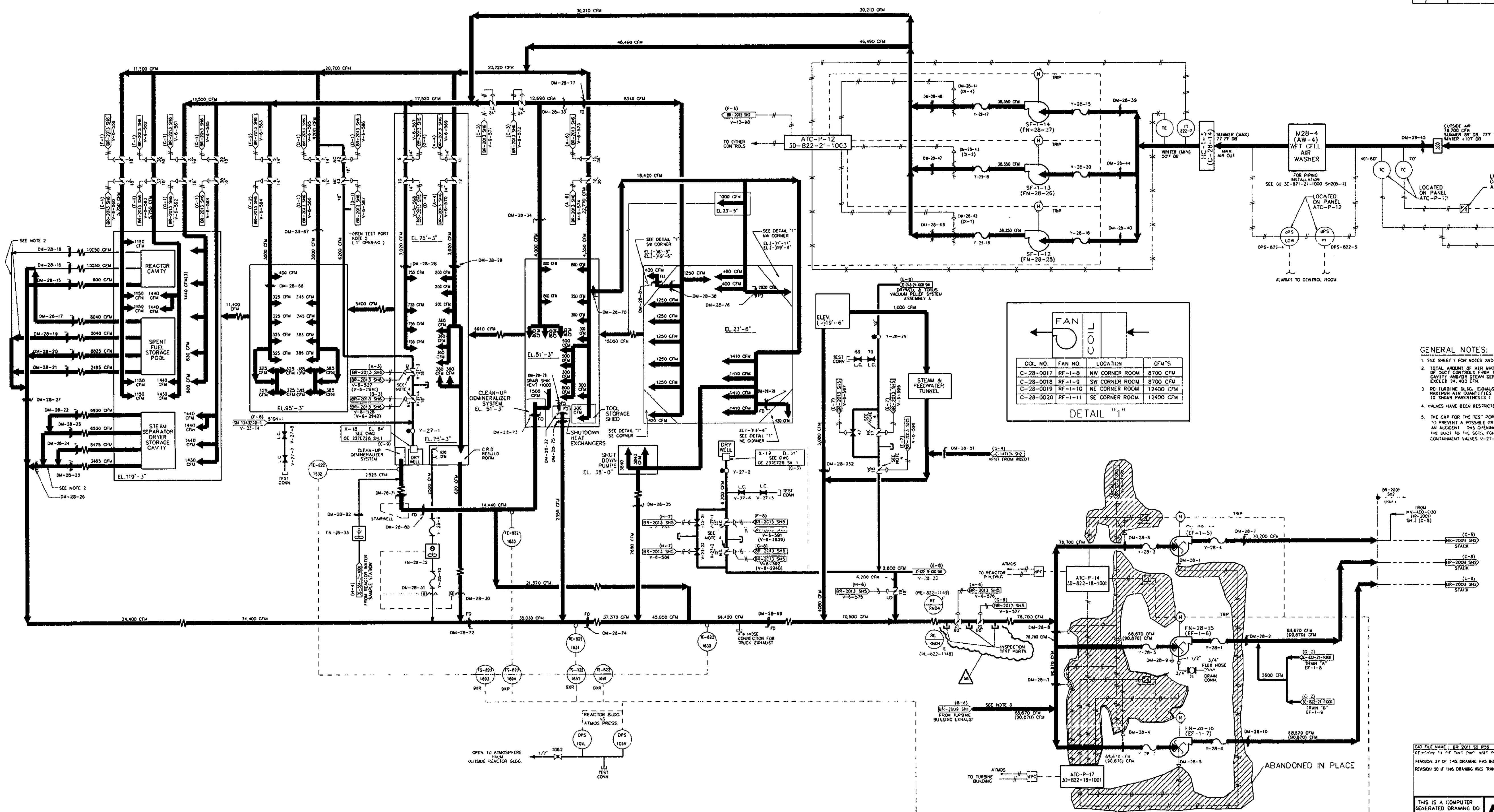
NANCY A. CARLSON 10-8-96
DRAWN DATE
CHECKED 10-18-96 DATE
NA
DESIGN LEADER DATE
N/A
ENGINEER DATE
MANAGER APPROVAL DATE

GPU Nuclear/BR

DRYWELL COOLING
SYSTEM
FLOW DIAGRAM

OYSTER CREEK
DWG. NO. 2011
SH. 1 OF 3
REV. 40
SCALE: NONE
ENG.MECH.
BA
MASK

DWG. NO. 2011 SH. 1 OF 3



COIL NO.	FAN NO.	LOCATION	CFM'S
C-28-0017	RF-1-8	NW CORNER ROOM	8700 CFM
C-28-0018	RF-1-9	SW CORNER ROOM	8700 CFM
C-28-0019	RF-1-10	NE CORNER ROOM	12400 CFM
C-28-0020	RF-1-11	SE CORNER ROOM	12400 CFM

DETAIL "1"

GENERAL NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. TOTAL AMOUNT OF AIR WHICH CAN BE REMOVED BY ANY COMBINATION OF DUCT CONTROLS FROM THE SPENT FUEL STORAGE POOL, REACTOR CAVITY AND/OR STEAM SEPARATOR & DRYER CAVITY SHALL NOT EXCEED 34,400 CFM.
3. RE: TURBINE BLDG. EXHAUST TO CHIMNEY. MINIMUM AND MAXIMUM AIR QUANTITIES ARE INDICATED WHERE MAXIMUM IS SHOWN PARENTHESIS ( ).
4. VALVES HAVE BEEN RESTRICTED TO 30°MAXIMUM OPENING (DS)
5. THE CAP FOR THE TEST PORT IS INTENTIONALLY REMOVED. TO PREVENT A POSSIBLE GROUND LEVEL RELEASE DURING AN ACCIDENT THIS OPENING PROVIDES AN OPEN PATH FROM THE DUCT TO THE SGTS, FOR ANY LEAKAGE FROM THE PRIMARY CONTAINMENT VALVES V-27-0003 AND V-27-0004

LABELLING NOTE:
ALL VALVES ON THIS SHEET ARE PREFIXED V-28 UNLESS OTHERWISE NOTED.

REV	ZONE	DESCRIPTION
56	C-4,5	ECD C400407

CAD FILE NAME : BR 2011 S2 R56

REVISION 37 OF THIS DRAWING HAS INCORPORATED ALL INFORMATION SHOWN ON BR 2011 SH. 3 REV. 37.

REVISION 50 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,B22,21,0100,002-,500P

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN: NANCY A. CARLSON 12/19/00
CHECKED: D ABBRUSCATO 12/19/00

AmerGen

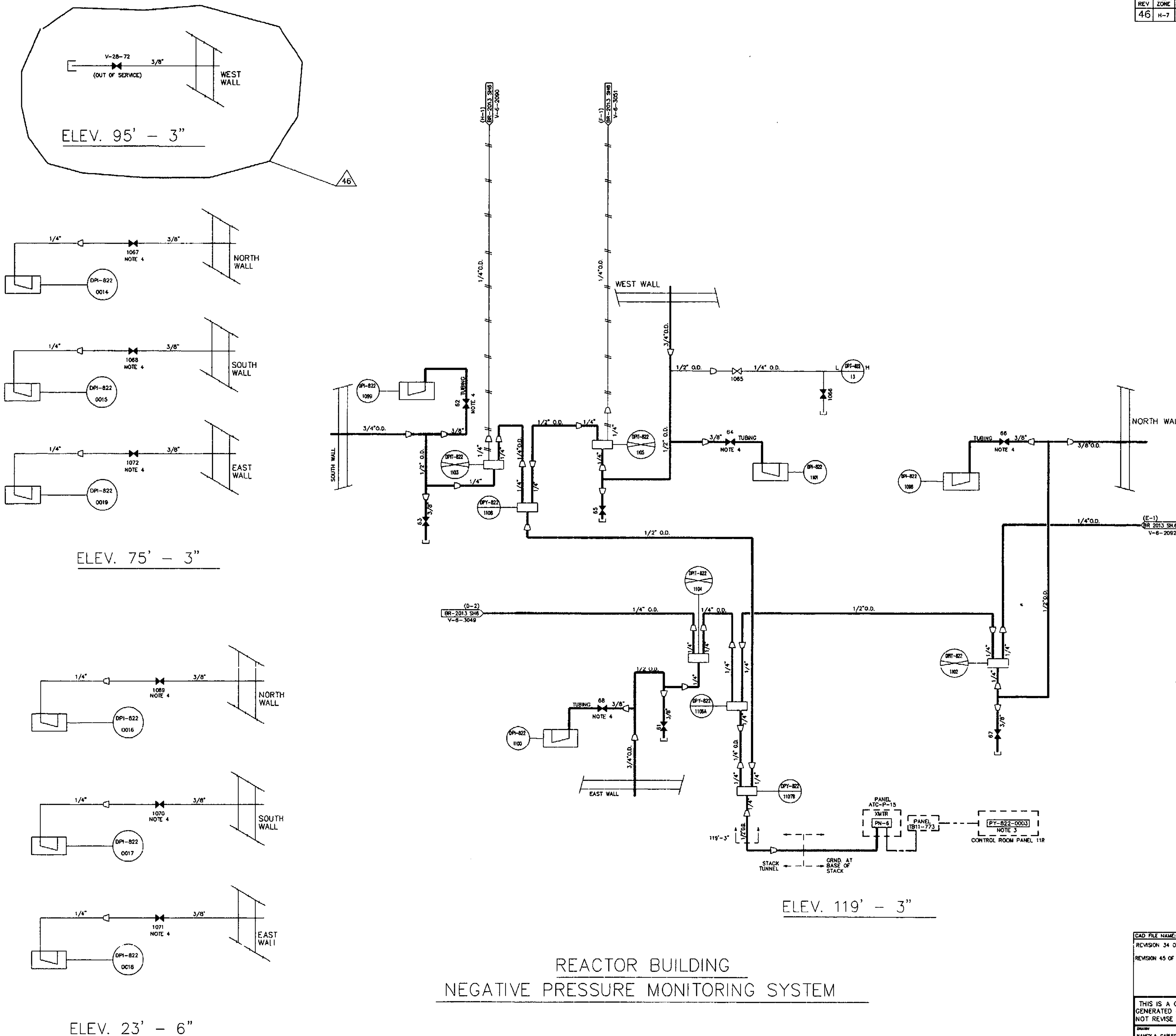
REACTOR BUILDING
VENTILATION
FLOW DIAGRAM

OYSTER CREEK — DWG NO. BR 2011 — SH. 2 OF 3 — REV. 56

SCALE : NONE

PIMS # N/A

REV	ZONE	REVISIONS DESCRIPTION
46	H-7	ECDC312170



REACTOR BUILDING
NEGATIVE PRESSURE MONITORING SYSTEM

NOTES:

1. SEE SHEET 1 FOR NOTES AND REFERENCES.
2. ALL VALVES ARE PREFIXED BY V-28 UNLESS OTHERWISE NOTED.
3. COMPONENT PY-822-0003 PROVIDES AN OUTPUT SIGNAL TO ANNUNCIATOR L-6-C ON PANEL 5F/6F
4. NORMALLY CLOSED,OPENED ONLY DURING SECONDARY CONTAINMENT LEAK RATE TEST

CAD FILE NAME: BR 2011 S3 R46

REVISION 34 OF THIS DWG. WAS REDRAWN FROM PART OF BR 2011 REV. 28.

REVISION 45 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,822,21,0100,003-,4501

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

DRAWN: NANCY A. CARLSON 12-15-99

CHECKED: 12/16/99

REACTOR BUILDING
VENILATION
FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2011 | SH. 3 OF 3 | REV. 46

SCALE : NONE

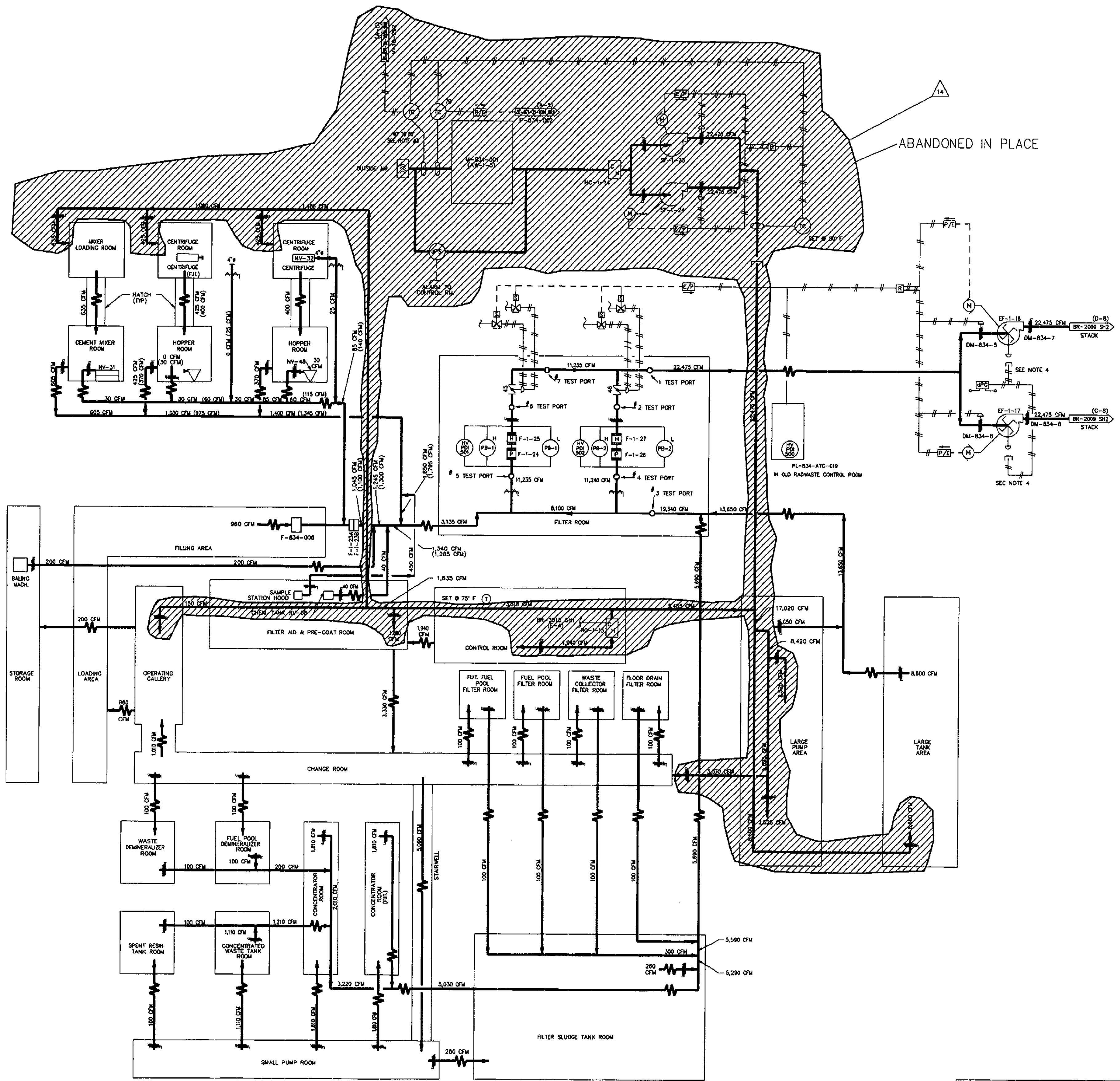
PIMS # N/A

NO.	DWG. NO.	TITLE

REFERENCES

DWG. NO. BR 2011 SH. 3 OF 3

REV	ZONE	REVISIONS DESCRIPTION
14	THRU-OUT	ECDC312147



NOTES:

1. VALVES ARE PREFIXED V-28 UNLESS OTHERWISE NOTED.
2. AIR QUANTITIES SHOWN IN PARENTHESES () INDICATE FUTURE REQUIREMENTS AFTER INSTALLATION OF SECOND CENTRIFUGE & HOPPER.
3. TC DRAINS TANK @ 40°, FILLS TANK @ 60°
4. AIR SUPPLY DISCONNECTED AND ABANDONED IN PLACE. VORTEX DAMPERS PINNED IN FULL OPEN POSITION.

CAD FILE NAME: BR 2012 S1 R14

REVISION 11 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,834,21,0100,001-,1101

NO.	DWG. NO.	TITLE
6	BR-2015 SH2	HEATING & PROCESS STEAM SYS.F.D.
5	BR-2009 SH2	H & V MAIN STACK F.D.
4	3E-871-21-1000 SH2	DOMESTIC WATER & PRETREATMENT SYS.F.D.
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN: NANCY A. CARLSON DATE: 5-5-99

CHECKED: N. Titolo DATE: 5-9-99

DESIGN MANAGER DATE

CHECKED DATE

ENGINEERING MANAGER DATE

GPU NUCLEAR

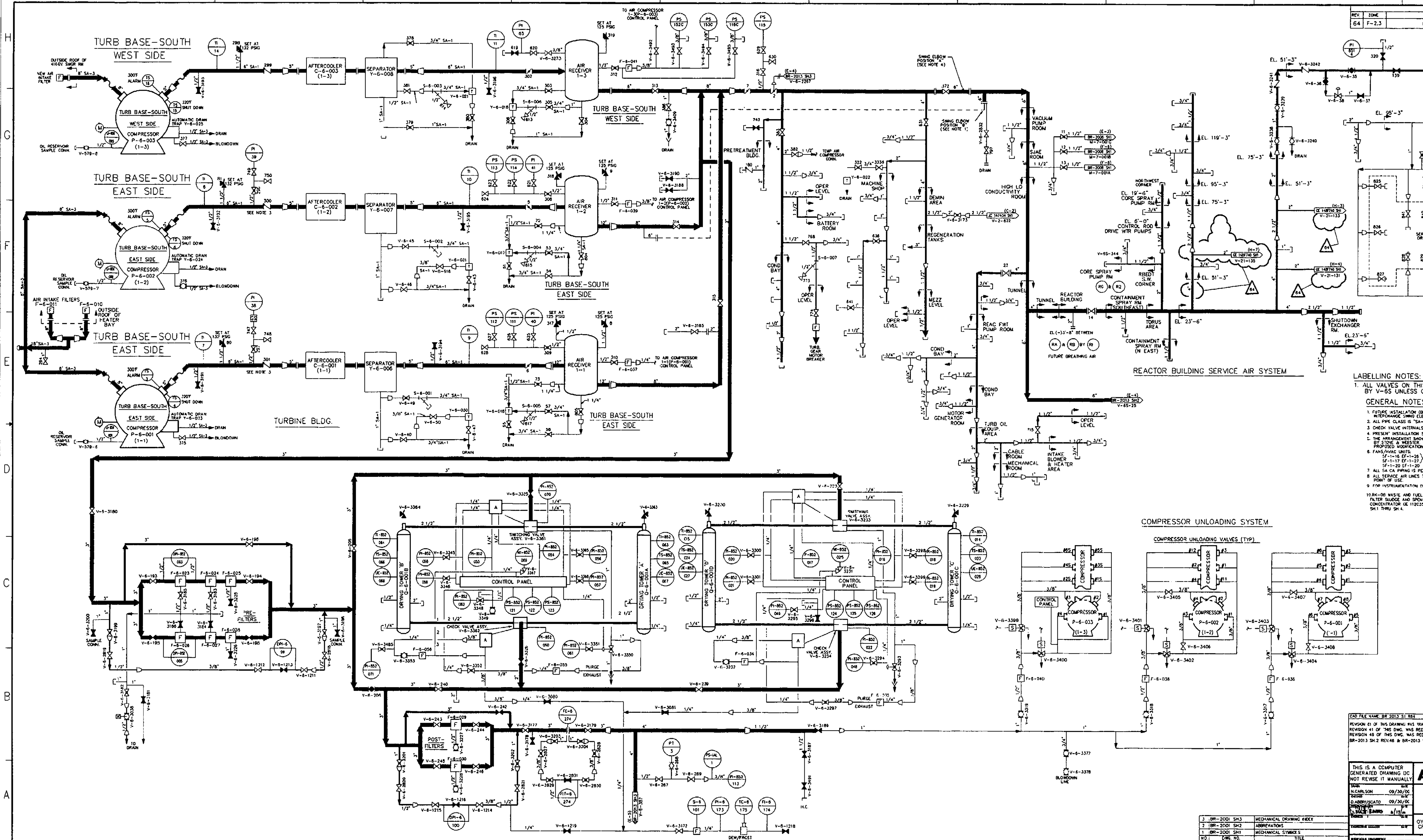
OLD RADWASTE BUILDING H & V FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2012 | SH. 1 OF 1 | REV. 14

SCALE : NONE

DWG.NO. BR 2012 SH. 1 OF 1



REV.	ZONE	DESCRIPTION
64	F-2,3	ECD C307695

LABELLING NOTES:

1. ALL VALVES ON THIS SHT. ARE PREFIXED BY V-6S UNLESS OTHERWISE NOTED

GENERAL NOTES:

1. FUTURE INSTALLATION (BREATHING AIR CONNECTION TO DRYWELL) INTERCHANGE SWING ELBOW AND BLIND FLANGES FOR POSITION "B".
2. ALL PIPE CLASS IS "SA-2" UNLESS OTHERWISE NOTED.
3. CHECK VALVE INTERNALS HAVE BEEN REMOVED
4. PRESENT INSTALLATION SHOWS SWING ELBOW IN POSITION "A"
5. THE ARRANGEMENT SHOWN HERE IS BASED ON FIELD VERIFICATION BY STONE & WEBSTER. GPUN SHOULD COORDINATE ACTIVITIES OF PROPOSED MODIFICATIONS WITH THE INFORMATION SHOWN HERE.
6. FANS/HVAC UNITS:
   SF-1-16 EF-1-26 } OFFICE BLDG. NORTH END { ATC P2
   SF-1-17 EF-1-27 } { ATC P3
   SF-1-20 EF-1-20 BATT. & MG SET RM ATC P8
7. ALL SA CA PIPING IS PER LINE SPEC 150-10 UNLESS OTHERWISE NOTED.
8. ALL SERVICE AIR LINES TO BE SLOPED 1 INCH/20 FT MINIMUM TOWARDS POINT OF USE.
9. FOR INSTRUMENTATION DETAILS SEE DWG. GU SF-STD-40-1000
10. RK-08 WASTE AND FUEL POOL DEMINERILIZER GE 112C3524 SH.1 THRU SH.4. RK-09 FILTER SLUDGE AND SPENT RESIN TANK GE 112C3526 SH.1 THRU SH.4. RK-10 WASTE CONCENTRATOR GE 112C3531 SH.1 THRU SH.6. RK-11 RADWASTE FILTERS GE 112C3532 SH.1 THRU SH.4.

BUILDING LOCATION MATRIX

BUILDING	BR-2013 SH. 1	2	3	4	5	6	7	8
REACTOR BLDG.	X	X	X		X	X	X	
TURBINE BLDG.	X		X	X	X		X	
OLD RADWSTE. BLDG.		X						X
NEW RADWSTE. BLDG		X						X
AUG OFFGAS BLDG.		X						X
CHLORIN. BLDG				X				
BOILER HOUSE		X			X			X
PRETREATMENT BLDG	X							
MACHINE SHOP	X							
CCW HT. EX. BLDG		X						X
NEW PUMP HOUSE		X						X
INTAKE STRUCTURE				X				
COND. TRANSF. PMP. RM				X				
RAGEMS BLDG.					X			
STACK		X						

SHEETS 9 & 10 ARE NOT APPLICABLE

CAD FILE NAME: BR 2013 S1 R64

REVISION 61 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CAD FILE V3E,R51,21,0100,001-,610P
REVISION 41 OF THIS DWG. WAS REDRAWN FROM BR-2013 SHT.1 REV.23.
REVISION 49 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2013 SH 1 REV.48; BR-2013 SH.2 REV.46 & BR-2013 SH.5 REV.52.

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

DRAWN N.CARLSON 09/30/00
CHECKED D.ABBRUSCATO 09/30/00

AmerGen

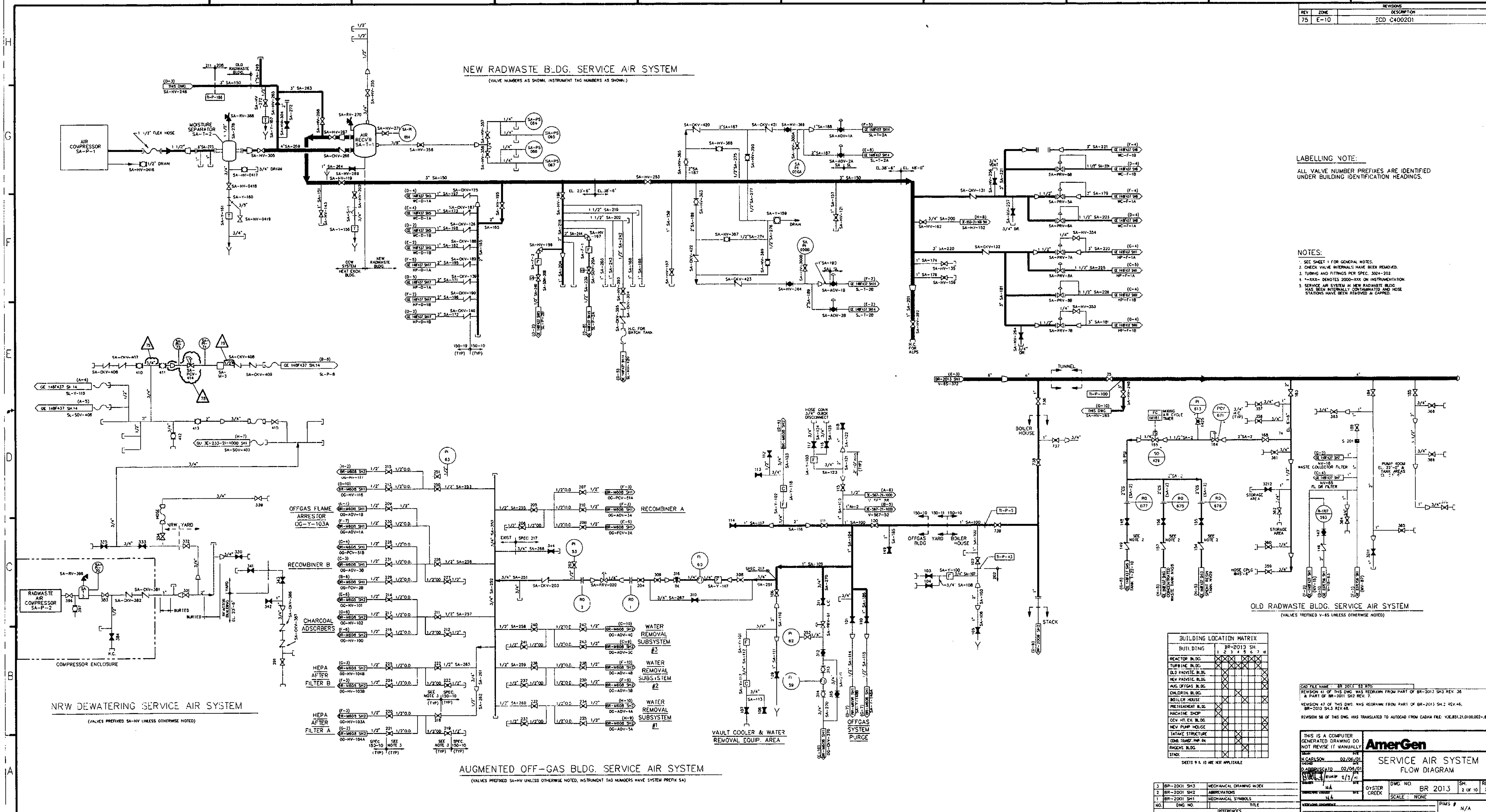
SERVICE AIR SYSTEM
FLOW DIAGRAM

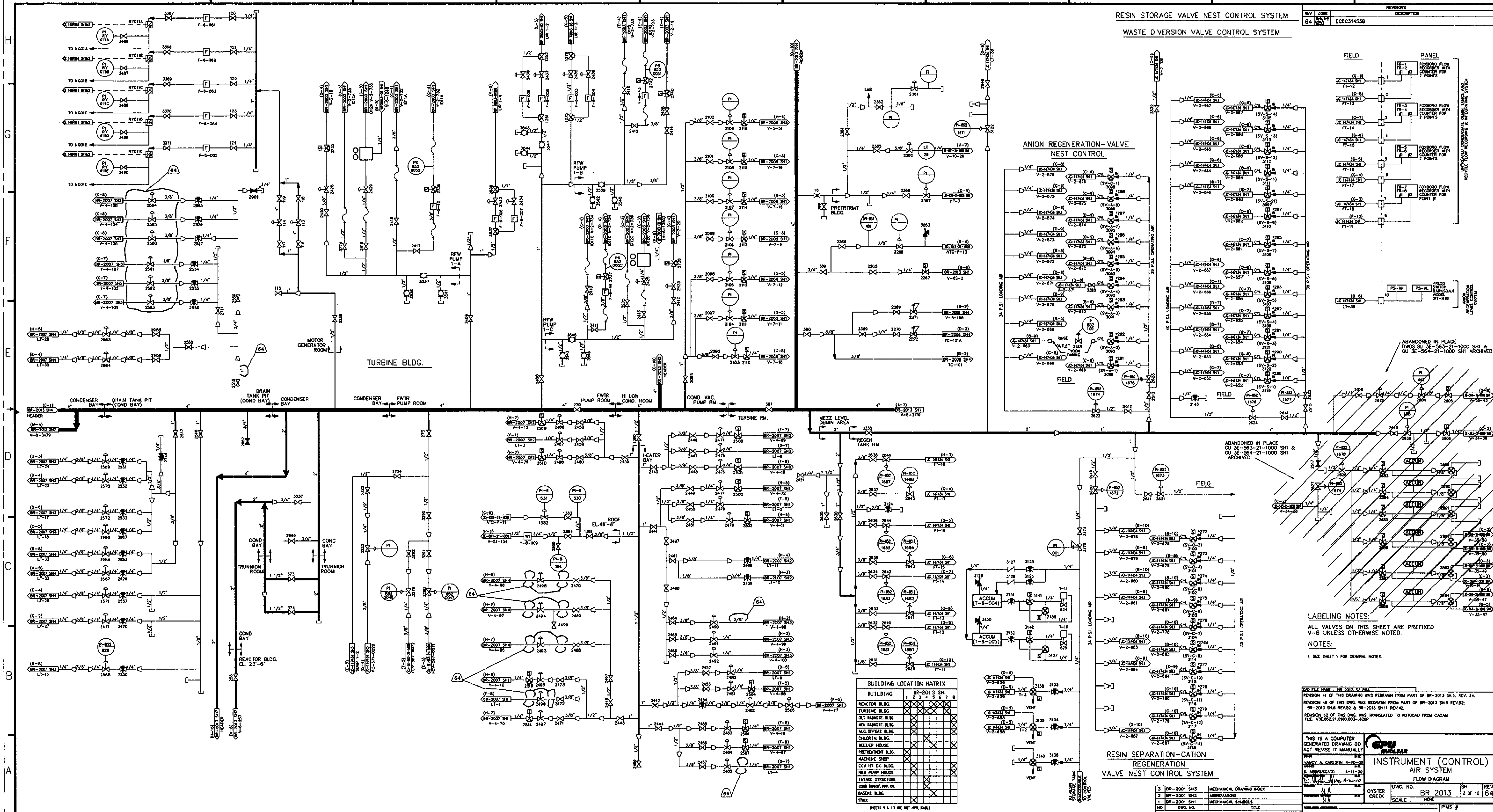
OYSTER CREEK

DWG. NO. BR 2013 | SH. 1 OF 10 | REV. 64

SCALE : NONE

PIMS # N/A


NEW RADWASTE BLDG. SERVICE AIR SYSTEM
(VALVE NUMBERS AS SHOWN, INSTRUMENT TAG NUMBERS AS SHOWN.)
AIR COMPRESSOR SA-P-1
MOISTURE SEPARATOR SA-T-2
AIR RECVR SA-T-1
NRW DEWATERING SERVICE AIR SYSTEM
(VALVES PREFIXED SA-HV UNLESS OTHERWISE NOTED)
RADWASTE AIR COMPRESSOR SA-P-2
COMPRESSOR ENCLOSURE
OFFGAS FLAME ARRESTOR OG-Y-103A
RECOMBINER B
RECOMBINER A
CHARCOAL ADSORBERS
HEPA AFTER FILTER B
HEPA AFTER FILTER A
WATER REMOVAL SUBSYSTEM #3
WATER REMOVAL SUBSYSTEM #2
WATER REMOVAL SUBSYSTEM #1
AUGMENTED OFF-GAS BLDG. SERVICE AIR SYSTEM
(VALVES PREFIXED SA-HV UNLESS OTHERWISE NOTED, INSTRUMENT TAG NUMBERS HAVE SYSTEM PREFIX SA)
VAULT COOLER & WATER REMOVAL EQUIP. AREA
OFFGAS SYSTEM PURGE
OFFGAS BLDG
BOILER HOUSE
TUNNEL
STACK
OLD RADWASTE BLDG. SERVICE AIR SYSTEM
(VALVES PREFIXED V-65 UNLESS OTHERWISE NOTED)
LABELLING NOTE:
ALL VALVE NUMBER PREFIXES ARE IDENTIFIED UNDER BUILDING IDENTIFICATION HEADINGS.
NOTES:
1. SEE SHEET 1 FOR GENERAL NOTES.
2. CHECK VALVE INTERNALS HAVE BEEN REMOVED.
3. TUBING AND FITTINGS PER SPEC. 3024-202.
4. *-XXX- DENOTES 2000-XXX ON INSTRUMENTATION.
5. SERVICE AIR SYSTEM IN NEW RADWASTE BLDG HAS BEEN INTERNALLY CONTAMINATED AND HOSE STATIONS HAVE BEEN REMOVED & CAPPED.
REVISIONS
REV 75 ZONE E-10 DESCRIPTION ECD C400201
BUILDING LOCATION MATRIX
BUILDING BR-2013 SH.
REACTOR BLDG.
TURBINE BLDG.
OLD RADWASTE BLDG.
NEW RADWASTE BLDG.
AUG. OFFGAS BLDG.
CHLORIN. BLDG.
BOILER HOUSE
PRETREATMENT BLDG.
MACHINE SHOP
CCW HT. EX. BLDG.
NEW PUMP HOUSE
INTAKE STRUCTURE
COND. TRANSF. PMP. PH
RAGEMS BLDG.
STACK
SHEETS 9 & 10 ARE NOT APPLICABLE
3 BR-2001 SH3 MECHANICAL DRAWING INDEX
2 BR-2001 SH2 ABBREVIATIONS
1 BR-2001 SH1 MECHANICAL SYMBOLS
NO. DWG. NO. TITLE
REFERENCES
CAD FILE NAME : BR 2013 S2 R75
REVISION 41 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2013 SH3 REV. 36 & PART OF BR-2011 SH2 REV. 7.
REVISION 47 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2013 SH.2 REV.46; BR-2013 SH.3 REV.48.
REVISION 56 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: VJE.851.21.0100.002-.660P
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
AmerGen
N.CARLSON 02/06/01
D.ABBRUSCATO 02/06/01
SERVICE AIR SYSTEM
FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2013
SH. 2 OF 10
REV. 75
SCALE : NONE
PIMS # N/A



REVISIONS		
REV	ZONE	DESCRIPTION
64		ECDC314558

BUILDING LOCATION MATRIX								
BUILDING	BR-2013 SH. 1	2	3	4	5	6	7	8
REACTOR BLDG.	X	X	X		X	X	X	
TURBINE BLDG.	X		X	X	X		X	
OLD RADWSTE. BLDG.		X						X
NEW RADWSTE. BLDG.		X						X
AUG. OFFGAS BLDG.		X						X
CHLORINE BLDG.				X				
BOILER HOUSE		X			X			X
PRETREATMENT BLDG.	X							
MACHINE SHOP	X							
CCW HT. EX. BLDG.		X						X
NEW PUMP HOUSE		X						X
INTAKE STRUCTURE				X				
COND. TRANSF. PMP. RM.				X				
RAGEMS BLDG.					X			
STACK		X						

SHEETS 9 & 10 ARE NOT APPLICABLE

LABELING NOTES:

ALL VALVES ON THIS SHEET ARE PREFIXED V-6 UNLESS OTHERWISE NOTED.

NOTES:

1. SEE SHEET 1 FOR GENERAL NOTES.

CAD FILE NAME : BR 2013 S3 R64

REVISION 41 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-2013 SH.5, REV. 24.

REVISION 49 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2013 SH.5 REV.52; BR-2013 SH.8 REV.52 & BR-2013 SH.11 REV.42.

REVISION 62 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,852,21,0100,003-,620P

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

GPU NUCLEAR

NANCY A. CARLSON 4-10-00

D. ABBRUSCATO 4-11-00

NA

NA

INSTRUMENT (CONTROL) AIR SYSTEM

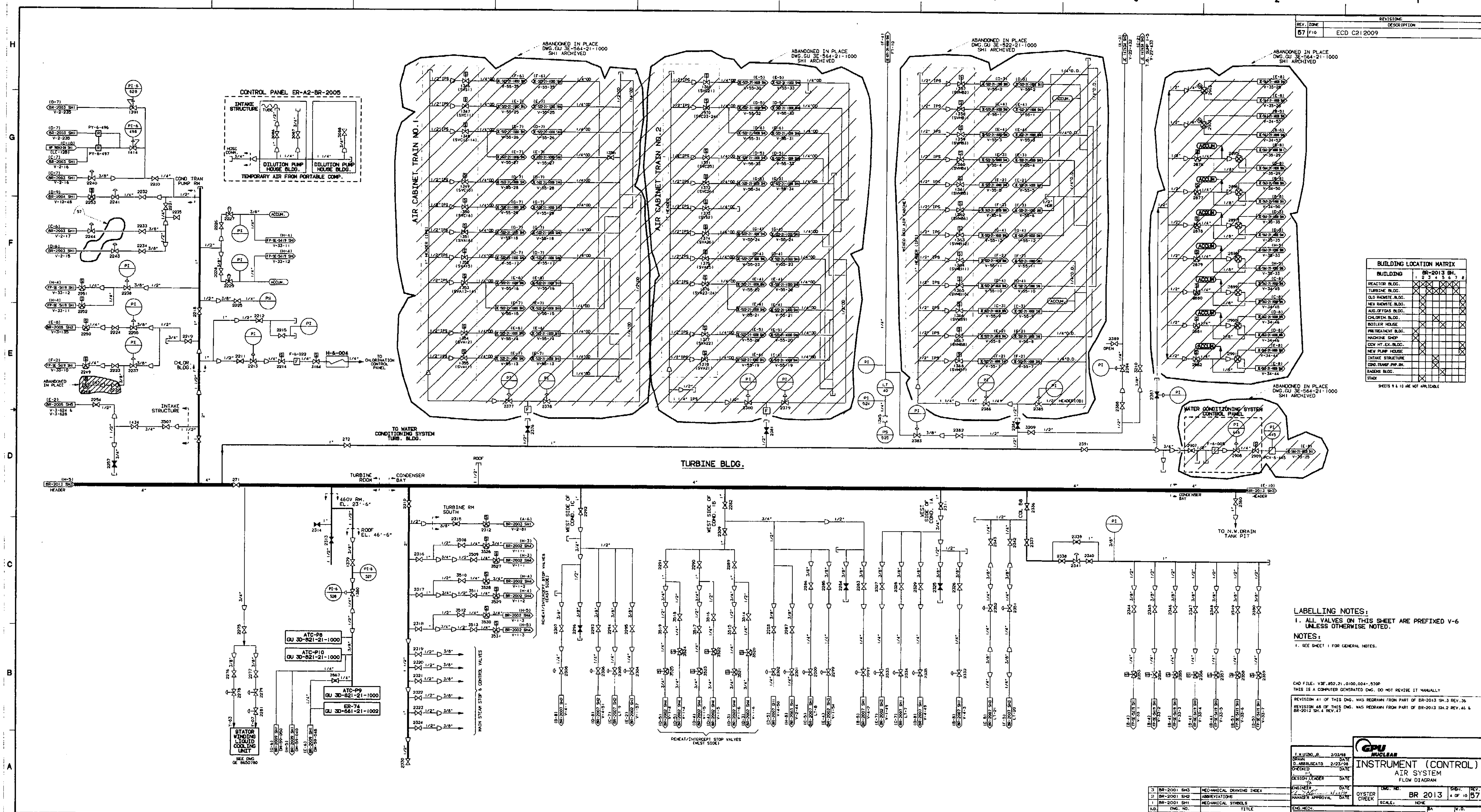
FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2013 | SH. 3 OF 10 | REV. 64

SCALE : NONE

PIMS #



REVISIONS
REV. 57 ZONE F10 ECD C212009
CONTROL PANEL ER-A2-BR-2005
TEMPORARY AIR FROM PORTABLE COMP.
DILUTION PUMP HOUSE BLDG.
INTAKE STRUCTURE
AIR CABINET TRAIN NO.1
AIR CABINET TRAIN NO.2
ABANDONED IN PLACE DWG.GU 3E-564-21-1000 SH1 ARCHIVED
ABANDONED IN PLACE DWG.GU 3E-522-21-1000 SH1 ARCHIVED
WATER CONDITIONING SYSTEM CONTROL PANEL
TO WATER CONDITIONING SYSTEM TURB. BLDG.
TURBINE BLDG.
TO N.W.DRAIN TANK PIT
TO CHLORINATION CONTROL PANEL
STATOR WINDING LIQUID COOLING UNIT
ATC-P8 GU 3D-821-21-1000
ATC-P10 GU 3D-821-21-1000
ATC-P9 GU 3D-821-21-1000
ER-74 GU 3D-561-21-1002
TURBINE RM SOUTH
MAIN STEAM STOP & CONTROL VALVES
REHEAT/INTERCEPT STOP VALVES (EAST SIDE)
REHEAT/INTERCEPT STOP VALVES (WEST SIDE)
WEST SIDE OF COND. 1C
WEST SIDE OF COND. 1B
WEST SIDE OF COND. 1A
BUILDING LOCATION MATRIX
BUILDING
BR-2013 SH.
REACTOR BLDG.
TURBINE BLDG.
OLD RADWSTE. BLDG.
NEW RADWSTE. BLDG.
AUG.OFFGAS BLDG.
CHLORIN BLDG.
BOILER HOUSE
PRETREATMENT BLDG.
MACHINE SHOP
CCW HT.EX.BLDG.
NEW PUMP HOUSE
INTAKE STRUCTURE
COND.TRANSF.PMP.RM.
RADWS BLDG.
STACK
SHEETS 9 & 10 ARE NOT APPLICABLE
LABELLING NOTES:
1. ALL VALVES ON THIS SHEET ARE PREFIXED V-6 UNLESS OTHERWISE NOTED.
NOTES:
1. SEE SHEET 1 FOR GENERAL NOTES.
CAD FILE: V3F.852.21.0100.004-.570P
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY
REVISION 41 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2013 SH.3 REV.36
REVISION 48 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2013 SH.2 REV.46 & BR-2013 SH.4 REV.47
T.W.USZNO,JR. 2/23/98
DRAWN DATE
D.ABBRUSCATO 2/23/98
CHECKED DATE
DESIGN LEADER DATE
ENGINEER DATE
MANAGER APPROVAL DATE
GPU NUCLEAR
INSTRUMENT (CONTROL)
AIR SYSTEM
FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2013
SHT. 4 OF 10
REV. 57
SCALE: NONE
ENG.MECH.
3 BR-2001 SH3 MECHANICAL DRAWING INDEX
2 BR-2001 SH2 ABBREVIATIONS
1 BR-2001 SH1 MECHANICAL SYMBOLS
NO. DWG. NO. TITLE
REFERENCES

REVISIONS		
REV	ZONE	DESCRIPTION
68	D-2	ECD C307472

STANDBY GAS TREATMENT CONTROL AIR SYSTEM

TRAIN "A"

TRAIN "B"

REAC BLDG. NE CORNER

REAC BLDG. SW CORNER

REAC BLDG. NW CORNER

REAC BLDG. SE CORNER

TORUS

TUNNEL

TURBINE BLDG.

REACTOR BLDG. CONTROL AIR SYSTEM

UP TO HOOF

OUTSIDE

RADWASTE BLDG. CONTROL AIR SYSTEM

BOILER HOUSE CONTROL AIR SYSTEM

BOILER HOUSE

TO SUMP 1-12

STACK

ABANDONED IN PLACE

HI LO COND. TANK

HI-LO COND. PANEL

HI-LO COND. ROOM

SJAE ROOM

STEAMJET AIR EJECTOR CONTROL AIR SYSTEM

ATC-P16

ATC-P15

DUCT PENETRATION TO TUNNEL

TO T.B. FLOOR DRAIN SUMP 1-4

RACEWAY YARD BLDG.

SUMP LEVEL CONTROL

VLV CONTROLLER FCV 211-3

CONTROL AIR PRESS

RK-04

ATC HVPC

(OPERATING GALLERY)

(CAPPING MACHINE)

LABELLING NOTE:

ALL VALVES ON THIS SHEET ARE PREFIXED V-6 UNLESS OTHERWISE NOTED.

NOTES:

1. SEE SHEET 1 FOR GENERAL NOTES.

BUILDING LOCATION MATRIX

BUILDING	BR-2013 SH. 1	2	3	4	5	6
REACTOR BLDG.						
TURBINE BLDG.						
OLD RADWSTE. BLDG.						
NEW RADWSTE. BLDG.						
AUX. OFFGAS BLDG.						
CHLORTN. BLDG.						
BOILER HOUSE						
PRETREATMENT BLDG.						
MACHINE SHOP						
CRW HT. EX. BLDG.						
NEW PUMP HOUSE						
INTAKE STRUCTURE						
COND. TRANSF. PAP. BK.						
RACEWAY BLDG.						
STACK						

SHEETS 9 & 10 ARE NOT APPLICABLE

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

CAD FILE NAME: BR 2013 SH 068

REVISION 61 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2013 SH3 REV. 36 & PART OF BR-2011 SH2 REV. 7.

REVISION 53 OF THIS DWG. WAS REDRAWN FROM PART OF BR-2013 SH.2 REV.48; BR-2013 SH3 REV.32; BR-2013 SH.7 REV.30 & BR-2013 SH.9 REV.25.

REVISION 50 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E852.21.01CD.005-.600P

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

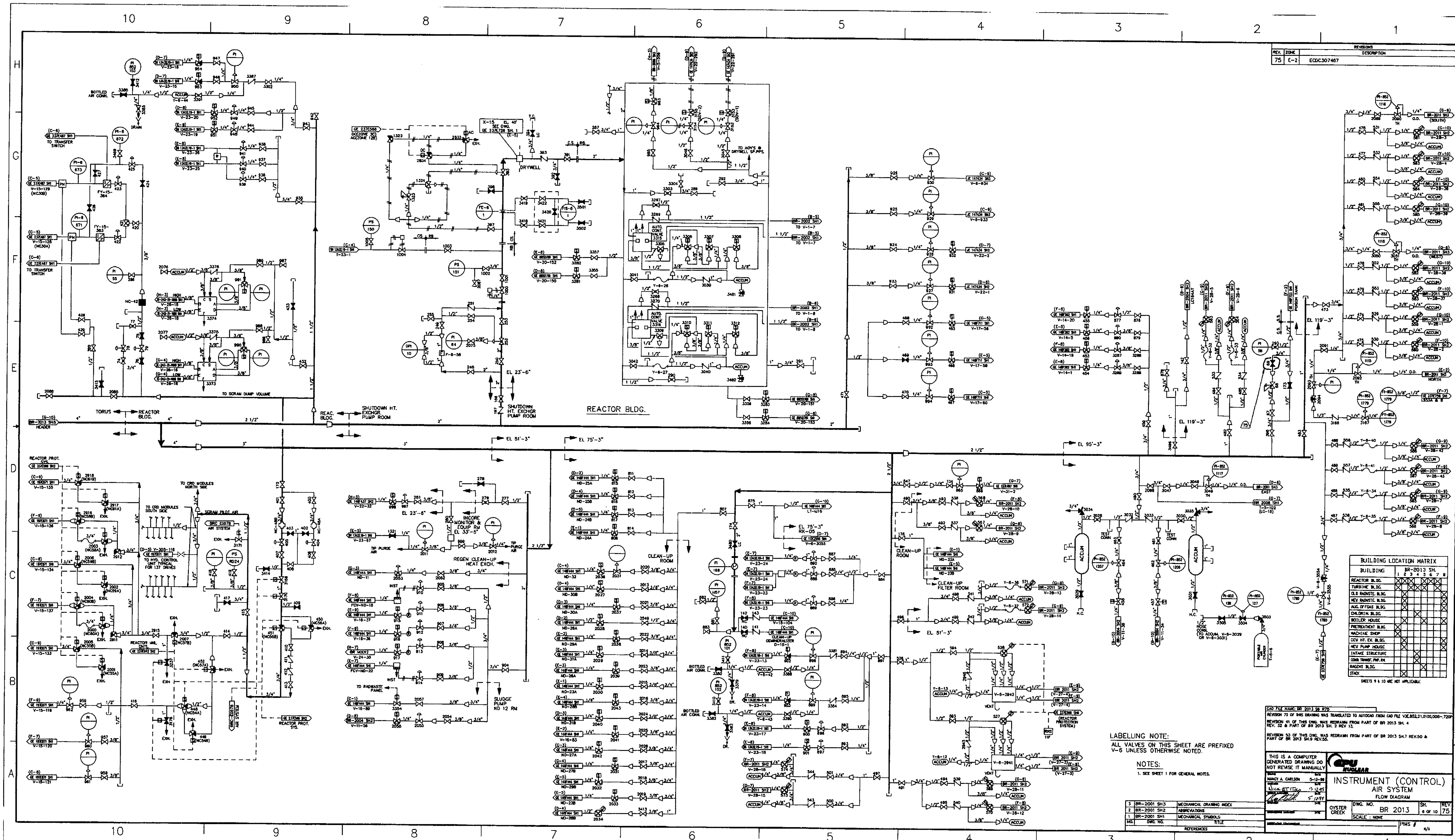
DRAWN	R. CARLSON	08/24/00
CHECKED	D. ARBOGAST	08/24/00
APPROVED		

AmerGen

INSTRUMENT (CONTROL) AIR SYSTEM FLOW DIAGRAM

OYSTER CREEK	DWG. NO. BR 2013	SH. 5 OF 10	REV. 68
	SCALE: NONE		
		PIMS #	N/A

BR 2013 SH 5 OF 10


REACTOR BLDG.
TORUS
REACTOR BLDG.
REAC. BLDG.
SHUTDOWN HT. EXCHGR PUMP ROOM
DRYWELL
EL 23'-6"
EL 51'-3"
EL 75'-3"
EL 95'-3"
EL 119'-3"
CLEAN-UP ROOM
CLEAN-UP FILTER ROOM
REGEN CLEAN-UP HEAT EXCH.
INCORE MONITOR & EQUIP RM EL 33'-5"
SLUDGE PUMP NO 12 RM
TO SCRAM DUMP VOLUME
TO CRD MODULES NORTH SIDE
TO CRD MODULES SOUTH SIDE
SCRAM PILOT AIR
REACTOR PROT. SYS.
BOTTLED AIR CONN.
TO TRANSFER SWITCH
POISON TANK
PORTABLE AIR CYLINDER
ACCUM
LABELLING NOTE:
ALL VALVES ON THIS SHEET ARE PREFIXED V-6 UNLESS OTHERWISE NOTED.
NOTES:
1. SEE SHEET 1 FOR GENERAL NOTES.
REVISIONS
REV. ZONE DESCRIPTION
75 E-2 ECDC307467
CAD FILE NAME: BR 2013 S6 R75
REVISION 72 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CAD FILE V3E.652,21.0100,008-,720P
REVISION 41 OF THIS DWG. WAS REDRAWN FROM PART OF BR 2013 SH. 4 REV. 32 & PART OF BR 2013 SH. 2 REV 13.
REVISION 53 OF THIS DWG. WAS REDRAWN FROM PART OF BR 2013 SH.7 REV.50 & PART OF BR 2013 SH.9 REV.56.
THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY
NANCY A. CARLSON 5-12-98
GPU NUCLEAR
INSTRUMENT (CONTROL)
AIR SYSTEM
FLOW DIAGRAM
OYSTER CREEK
DWG. NO. BR 2013
SH. 6 OF 10
REV. 75
SCALE : NONE
PIMS # N/A
3 BR-2001 SH3 MECHANICAL DRAWING INDEX
2 BR-2001 SH2 ABBREVIATIONS
1 BR-2001 SH1 MECHANICAL SYMBOLS
NO. DWG. NO. TITLE
REFERENCES

BUILDING LOCATION MATRIX

BUILDING	BR-2013 SH. 1	2	3	4	5	6	7	8
REACTOR BLDG.	X	X	X		X	X	X	
TURBINE BLDG.	X		X	X	X		X	
OLD RADWSTE. BLDG.		X						X
NEW RADWSTE. BLDG.		X						X
AUG. OFFGAS BLDG.		X						X
CHLORIN. BLDG.				X				
BOILER HOUSE		X			X			X
PRETREATMENT BLDG.	X							
MACHINE SHOP	X							
CCW HT. EX. BLDG.		X						X
NEW PUMP HOUSE		X						X
INTAKE STRUCTURE				X				
COND. TRANSF. PMP. RM.				X				
RAGEMS BLDG.					X			
STACK		X						

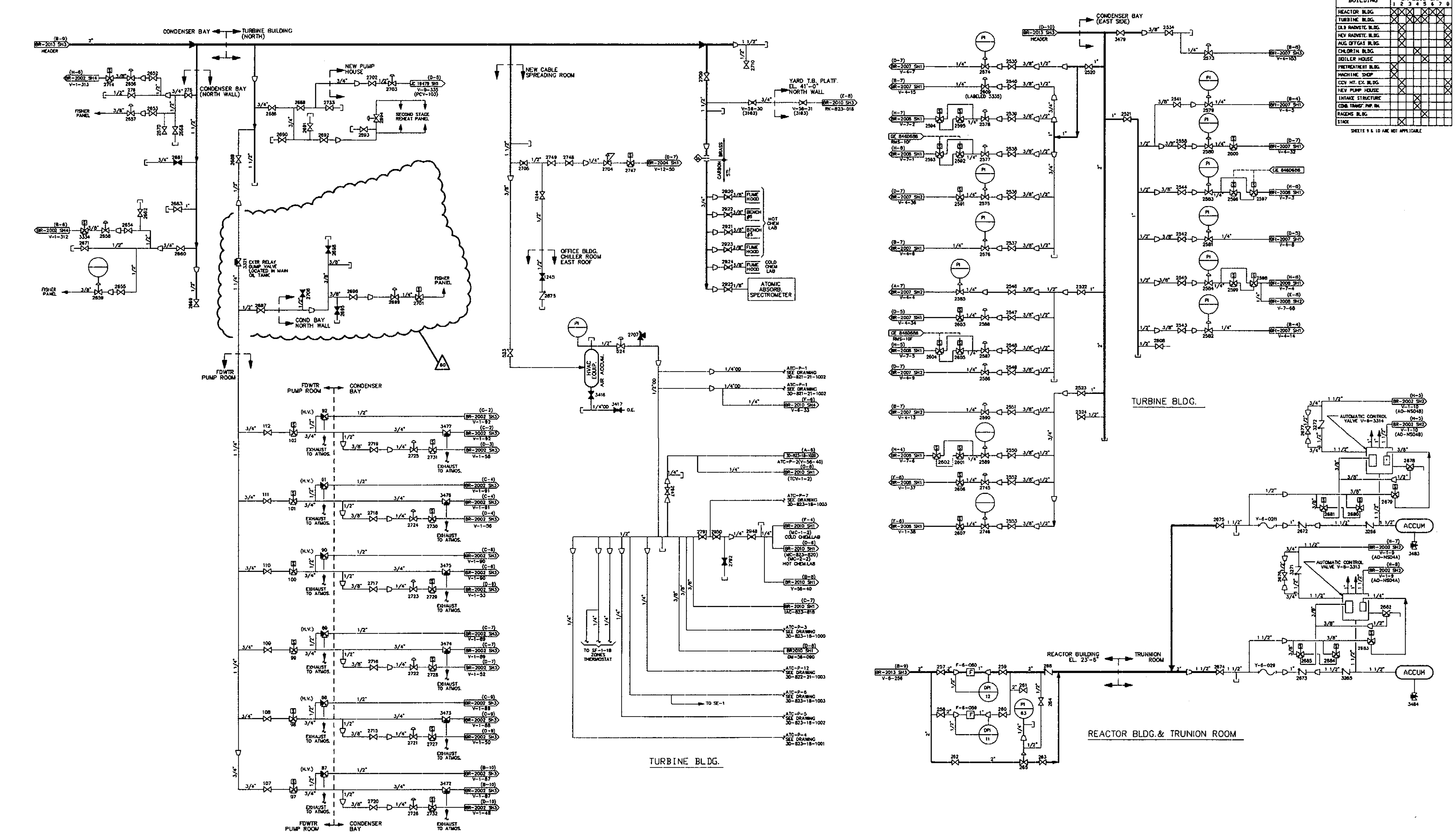
SHEETS 9 & 10 ARE NOT APPLICABLE

REVISIONS		
REV	ZONE	DESCRIPTION
60	F-9	ECD C314564

BUILDING LOCATION MATRIX

BUILDING	BR-2013 SH. 1	2	3	4	5	6	7	8
REACTOR BLDG.	X	X	X		X	X	X	
TURBINE BLDG.	X		X	X	X		X	
OLD RADWSTE. BLDG.		X						X
NEW RADWSTE. BLDG.		X						X
AUG. OFFGAS BLDG.		X						X
CHLORIN. BLDG.				X				
BOILER HOUSE		X			X			X
PRETREATMENT BLDG.	X							
MACHINE SHOP	X							
CCW HT. EX. BLDG.		X						X
NEW PUMP HOUSE		X						X
INTAKE STRUCTURE				X				
COMB. TRANSF. PMP. RM.				X				
RAGEMS BLDG.					X			
STACK		X						

SHEETS 9 & 10 ARE NOT APPLICABLE



LABELLING NOTES:

1. ALL VALVES ON THIS SHT. ARE PREFIXED V-6 UNLESS OTHERWISE NOTED.

NOTES:

1. SEE SHEET 1 FOR GENERAL NOTES.

CAD FILE NAME : BR 2013 S7 R60

REVISION 59 OF THIS DWG. WAS TRANSLATED TO AUTOCAD FROM CADAM FILE V3E.852,21,0100,007-,590P

REVISION 41 OF THIS DWG. WAS REDRAWN FROM PART OF BR 2013 SH.5 REV.24.

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

N.CARLSON 05/03/00

D.ABBRUSCATO 05/03/00

5/4/00

N/A

N/A

GPU NUCLEAR

INSTRUMENT (CONTROL) AIR SYSTEM

FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2013 | SH. 7 OF 10 | REV. 60

SCALE : NONE

PIMS # N/A

REVISIONS

REV	ZONE	DESCRIPTION
62	D-5,6,7 C-6,8	ECD C312244

LABELLING NOTES:

1. ALL VALVES ON THIS SHEET ARE PREFIXED CA-HV UNLESS OTHERWISE NOTED.

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL PRESSURE AND FLOW INSTRUMENTATION ROOT VALVE SHALL BE 3/4" GLOBE.
2. ALL CONTROL AIR HEADERS ARE TO BE SLOPED 1"/20FT. MINIMUM TOWARDS AIR RECEIVER.
3. ALL CONTROL AIR ROOT VALVES ARE TO BE INSTALLED IN SUCH A MANNER AS TO PREVENT GRAVITY FLOW OF CONDENSATE FROM THE HEADER TOWARDS THE ROOT VALVE.
4. FOR GENERAL NOTES SEE SHEET 1.

BUILDING LOCATION MATRIX

BUILDING	BR-2013 SH. 1	2	3	4	5	6	7	8
REACTOR BLDG.	☒	☒	☒		☒	☒	☒	
TURBINE BLDG.	☒		☒	☒	☒		☒	
OLD RADWSTE. BLDG.		☒						☒
NEW RADWSTE. BLDG.		☒						☒
AUG. OFFGAS BLDG.		☒						☒
CHLORIN. BLDG.				☒				
BOILER HOUSE		☒			☒			☒
PRETREATMENT BLDG.	☒							
MACHINE SHOP	☒							
CCW HT. EX. BLDG.		☒						☒
NEW PUMP HOUSE		☒						☒
INTAKE STRUCTURE				☒				
COND. TRANSF. PMP. RM.				☒				
RAGENS BLDG.					☒			
STACK		☒						

SHEETS 9 & 10 ARE NOT APPLICABLE

CAD FILE NAME: BR 2013 S8 R62

REVISION 41 OF THIS DRAWING WAS REDRAWN FROM PART OF BR-M612, REV. 23.
REVISION 54 OF THIS DRAWNG WAS REDRAWN FROM BR-2013 SH.10 REV.46.
REVISION 60 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE:V3E,B52,21,0100,008-,600P

QUALITY LEVEL 3
SEISMIC II
CLEANLINESS D

REFERENCES

NO.	DWG NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

AmerGen

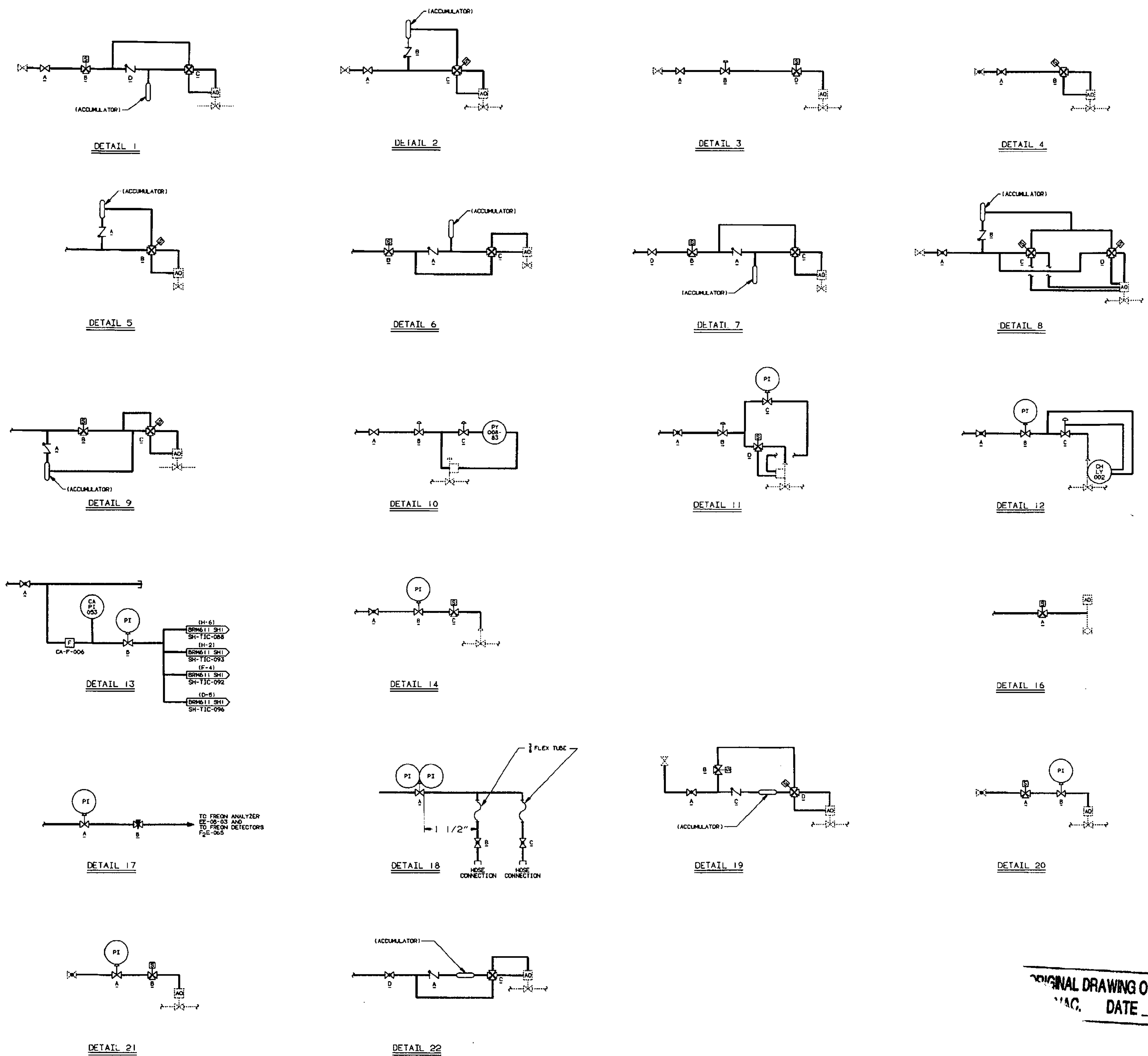
INSTRUMENT (CONTROL)
AIR SYSTEM
FLOW DIAGRAM

DRAWN	NANCY A. CARLSON 11-16-2000
CHECKED	D ABBRUSCATO 12-23-2000
DESIGN MANAGER	1/2/2001
DESIGNER	N/A
ENGINEERING MANAGER	N/A
INTERFACING CONCURRENCE	

OYSTER CREEK	DWG. NO. BR 2013	SH. 8 OF 10	REV. 62
	SCALE : NONE		
	PIMS # N/A		

DWG.NO. BR 2013 SH. 8 OF 10

REV.	ZONE	REVISIONS — DESCRIPTION
57		ADMINISTRATIVE CHANGE



NOTES:
1. SEE SHEET 1 FOR GENERAL NOTES.
2. WORK THIS DRAWING WITH BR 2013 SH.10.

BUILDING LOCATION MATRIX

BUILDING	BR-2013 SH. 1	2	3	4	5	6	7	8
REACTOR BLDG.	X	X	X		X	X	X	
TURBINE BLDG.	X		X	X	X		X	
OLD RADWSTE.BLDG.		X						X
NEW RADWSTE.BLDG.		X						X
AUG.OFFGAS BLDG.		X						X
CHLORIN.BLDG.				X				
BOILER HOUSE		X			X			X
PRETREATMENT BLDG.	X							
MACHINE SHOP	X							
CCW HT.EX.BLDG.		X						X
NEW PUMP HOUSE		X						X
INTAKE STRUCTURE				X				
COND.TRANSF.PMP.BH.				X				
RAGEMS BLDG.					X			
STACK		X						

SHEETS 9 & 10 ARE NOT APPLICABLE

CAD FILE:V3E,857,21,0100,009-,6701
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

REVISION 41 OF THIS DRAWING WAS REDRAWN FROM GU 3E-857-21-1000 SH1 REV2

REVISION 56 OF THIS DRAWING WAS REDRAWN FROM BR 2013 SH.12 REV.41.

ORIGINAL DRAWING OUT
AC. DATE ____

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

R.A.KOCH 04/06/93
DRAWN DATE
N.TITOLO 04/07/93
CHECKED DATE
DESIGN LEADER DATE
ENGINEER DATE
MANAGER APPROVAL DATE
ENG.MECH.

GPU Nuclear/BR

INSTRUMENT (CONTROL) AIR SYSTEM
(FLUID DETAILS NEW RADWASTE)
FLOW DIAGRAM

OYSTER CREEK

DWG. NO. BR 2013 | SH. 9 OF 10 | REV. 57
SCALE: NONE
BA | TASK

ROOT VALVE NO.	DETAIL NO.	A	B	C	D	AO VALVE	REMARKS
CA-HV-177	1	CA-HV-611	SA-SOV-010A	CA-AOV-615	CA-CKV-614	SA-AOV-010A	
CA-HV-190	1	CA-HV-612	SA-SOV-010B	CA-AOV-616	CA-CKV-619	SA-AOV-010B	
CA-HV-176	1	CA-HV-617	SA-SOV-011A	CA-AOV-621	CA-CKV-620	SA-AOV-011A	
CA-HV-184	1	CA-HV-618	SA-SOV-011B	CA-AOV-622	CA-CKV-625	SA-AOV-011B	
CA-HV-150	1	CA-HV-623	SA-SOV-012A	CA-AOV-627	CA-CKV-626	SA-AOV-012A	
CA-HV-183	1	CA-HV-624	SA-SOV-012B	CA-AOV-628	CA-CKV-631	SA-AOV-012B	
CA-HV-149	2	CA-HV-629	CA-CKV-632	SA-SOV-017A		SA-AOV-017A	
CA-HV-191	2	CA-HV-630	CA-CKV-635	SA-SOV-017B		SA-AOV-017B	
CA-HV-208	1	CA-HV-633	SA-SOV-019A	CA-AOV-637	CA-CKV-636	SA-AOV-019A	
CA-HV-192	1	CA-HV-634	SA-SOV-019B	CA-AOV-638	CA-CKV-641	SA-AOV-019B	
CA-HV-181	2	CA-HV-639	CA-CKV-642	CH-SOV-012A		CH-AOV-012A	
CA-HV-185	2	CA-HV-640	CA-CKV-643	CH-SOV-012B		CH-AOV-012B	
CA-HV-179	1	CA-HV-646	SA-SOV-013A	CA-AOV-650	CA-CKV-644	SA-AOV-013A	
CA-HV-180	1	CA-HV-652	SA-SOV-014A	CA-AOV-656	CA-CKV-645	SA-AOV-014A	
CA-HV-219	1	CA-HV-658	SA-SOV-015A	CA-AOV-662	CA-CKV-648	SA-AOV-015A	
CA-HV-220	1	CA-HV-664	SA-SOV-016A	CA-AOV-668	CA-CKV-649	SA-AOV-016A	
CA-HV-221	2	CA-HV-670	CA-CKV-654	SA-SOV-018A		SA-AOV-018A	
CA-HV-223	2	CA-HV-674	CA-CKV-655	CH-SOV-013A		CH-AOV-013A	
CA-HV-198	1	CA-HV-647	SA-SOV-013B	CA-AOV-651	CA-CKV-660	SA-AOV-013B	
CA-HV-199	1	CA-HV-653	SA-SOV-014B	CA-AOV-657	CA-CKV-661	SA-AOV-014B	
CA-HV-200	1	CA-HV-659	SA-SOV-015B	CA-AOV-663	CA-CKV-666	SA-AOV-015B	
CA-HV-206	1	CA-HV-665	SA-SOV-016B	CA-AOV-669	CA-CKV-667	SA-AOV-016B	
CA-HV-207	2	CA-HV-671	CA-CKV-672	SA-SOV-018B		SA-AOV-018B	
CA-HV-201	2	CA-HV-675	CA-CKV-673	CH-SOV-013B		CH-AOV-013B	
CA-HV-368	2	CA-HV-678	CA-CKV-676	HP-SOV-014B		HP-AOV-014B	
CA-HV-369	2	CA-HV-680	CA-CKV-677	HP-SOV-018B		HP-AOV-018B	
CA-HV-370	2	CA-HV-681	CA-CKV-679	HP-SOV-017B		HP-AOV-017B	
CA-HV-371	2	CA-HV-682	CA-CKV-687	HP-SOV-026B		HP-AOV-026B	
CA-HV-372	2	CA-HV-683	CA-CKV-689	HP-SOV-016B		HP-AOV-016B	
CA-HV-373	2	CA-HV-688	CA-CKV-691	HP-SOV-025B		HP-AOV-025B	
CA-HV-374	2	CA-HV-690	CA-CKV-695	HP-SOV-015B		HP-AOV-015B	
CA-HV-375	3	CA-HV-692	CA-PRV-693		HP-SOV-003B	HP-FCV-003B	
CA-HV-181	4	CA-HV-684	HP-SOV-027B			HP-AOV-027B	
CA-HV-379	2	CA-HV-685	CA-CKV-697	WC-SOV-026B		WC-AOV-026B	
CA-HV-380	2	CA-HV-686	CA-CKV-699	WC-SOV-030B		WC-AOV-030B	
CA-HV-381	2	CA-HV-694	CA-CKV-701	WC-SOV-029B		WC-AOV-029B	
CA-HV-382	2 .	CA-HV-696	CA-CKV-703	WC-SOV-031B		WC-AOV-031B	
CA-HV-383	2	CA-HV-698	CA-CKV-705	WC-SOV-025B		WC-AOV-025B	
CA-HV-384	2	CA-HV-700	CA-CKV-723	WC-SOV-027B		WC-AOV-027B	
CA-HV-385	2	CA-HV-702	CA-CKV-724	WC-SOV-028B		WC-AOV-028B	
CA-HV-189	4	CA-HV-704	WC-SOV-039B			WC-AOV-039B	
CA-HV-389	2	CA-HV-706	CA-CKV-725	HP-SOV-015A		HP-AOV-015A	
CA-HV-390	2	CA-HV-707	CA-CKV-726	HP-SOV-017A		HP-AOV-017A	
CA-HV-391	2	CA-HV-708	CA-CKV-727	HP-SOV-018A		HP-AOV-018A	
CA-HV-392	2	CA-HV-709	CA-CKV-728	HP-SOV-026A		HP-AOV-026A	
CA-HV-393	2	CA-HV-710	CA-CKV-729	HP-SOV-014A		HP-AOV-014A	
CA-HV-394	3	CA-HV-711	CA-PRV-714		HP-SOV-003A	HP-FCV-003A	
CA-HV-395	2	CA-HV-712	CA-CKV-730	HP-SOV-025A		HP-AOV-025A	
CA-HV-396	2	CA-HV-713	CA-CKV-731	HP-SOV-016A		HP-AOV-016A	
CA-HV-205	4	CA-HV-715	WC-SOV-039A			WC-AOV-039A	
CA-HV-402	2	CA-HV-716	CA-CKV-732	WC-SOV-030A		WC-AOV-030A	
CA-HV-403	2	CA-HV-717	CA-CKV-733	WC-SOV-031A		WC-AOV-031A	
CA-HV-404	2	CA-HV-718	CA-CKV-734	WC-SOV-029A		WC-AOV-029A	
CA-HV-405	2	CA-HV-719	CA-CKV-735	WC-SOV-027A		WC-AOV-027A	
CA-HV-406	2	CA-HV-720	CA-CKV-736	WC-SOV-026A		WC-AOV-026A	
CA-HV-407	2	CA-HV-721	CA-CKV-737	WC-SOV-025A		WC-AOV-025A	
CA-HV-408	2	CA-HV-722	CA-CKV-738	WC-SOV-028A		WC-AOV-028A	
CA-HV-197	4	CA-HV-613	HP-SOV-027A			HP-AOV-027A	
CA-HV-425	5	CA-CKV-739	CH-SOV-015			CH-AOV-015	
CA-HV-425	5	CA-CKV-740	WC-SOV-032A			WC-AOV-032A	
CA-HV-425	5	CA-CKV-741	WC-SOV-032B			WC-AOV-032B	
CA-HV-425	5	CA-CKV-742	WC-SOV-033A			WC-AOV-033A	
CA-HV-425	5	CA-CKV-743	WC-SOV-033B			WC-AOV-033B	
CA-HV-426	6	CA-CKV-744	CH-SOV-014			CH-AOV-014	
CA-HV-426	6	CA-CKV-745	CH-SOV-016A	CA-AOV-767		CH-AOV-016A	
CA-HV-426	6	CA-CKV-746	CH-SOV-016B	CA-AOV-768		CH-AOV-016B	
CA-HV-426	7	CA-CKV-747	WC-SOV-034A	CA-AOV-769	CA-AOV-783	WC-AOV-034A	
CA-HV-426	22	CA-CKV-748	WC-SOV-034B	CA-AOV-770	CA-HV-971	WC-AOV-034B	
CA-HV-426	6	CA-CKV-749	WC-SOV-035A	CA-AOV-771		WC-AOV-035A	
CA-HV-426	6	CA-CKV-750	WC-SOV-035B	CA-AOV-772		WC-AOV-035B	
CA-HV-426	6	CA-CKV-751	WC-SOV-036A	CA-AOV-773		WC-AOV-036A	
CA-HV-426	6	CA-CKV-752	WC-SOV-036B	CA-AOV-774		WC-AOV-036B	
CA-HV-424	6	CA-CKV-753	CH-SOV-020			CH-AOV-020	
CA-HV-424	5	CA-CKV-754	HP-SOV-020A			HP-AOV-020A	
CA-HV-424	5	CA-CKV-755	HP-SOV-020B			HP-AOV-020B	
CA-HV-424	5	CA-CKV-756	HP-SOV-021A			HP-AOV-021A	
CA-HV-424	5	CA-CKV-757	HP-SOV-021B			HP-AOV-021B	
CA-HV-423	5	CA-CKV-758	CH-SOV-019			CH-AOV-019	
CA-HV-423	6	CA-CKV-759	CH-SOV-021A	CA-AOV-775		CH-AOV-021A	
CA-HV-423	6	CA-CKV-760	CH-SOV-021B	CA-AOV-776		CH-AOV-021B	

ROOT VALVE NO.	DETAIL NO.	A	B	C	D	AO VALVE	REMARKS
CA-HV-423	6	CA-CKV-761	HP-SOV-022A	CA-AOV-777		HP-AOV-022A	
CA-HV-423	6	CA-CKV-762	HP-SOV-022B	CA-AOV-778		HP-AOV-022B	
CA-HV-423	6	CA-CKV-763	HP-SOV-023A	CA-AOV-779		HP-AOV-023A	
CA-HV-423	6	CA-CKV-764	HP-SOV-023B	CA-AOV-780		HP-AOV-023B	
CA-HV-423	6	CA-CKV-765	HP-SOV-024A	CA-AOV-781		HP-AOV-024A	
CA-HV-423	6	CA-CKV-766	HP-SOV-024B	CA-AOV-782		HP-AOV-024B	
CA-HV-430	2	CA-HV-784	CA-CKV-785				
CA-HV-431	1		NC-SOV-019A	CA-AOV-786	CA-CKV-793	NC-AOV-019A	
CA-HV-432	2	CA-HV-787	CA-CKV-788				
CA-HV-433	1		NC-SOV-019B	CA-AOV-789	CA-CKV-794	NC-AOV-019B	
CA-HV-434	1		NC-SOV-019C	CA-AOV-790	CA-CKV-795	NC-AOV-019C	
CA-HV-435	2	CA-HV-791	CA-CKV-792				
CA-HV-186	2	CA-HV-796	CA-CKV-797	CH-SOV-010B		CH-AOV-010B	
CA-HV-187	2	CA-HV-798	CA-CKV-799	CH-SOV-010A		CH-AOV-010A	
CA-HV-240	8	CA-HV-800	CA-CKV-801	WC-SOV-037B-1	WC-SOV-037B-2	WC-AOV-037B	
CA-HV-243	8	CA-HV-802	CA-CKV-803	WC-SOV-037A-1	WC-SOV-037A-2	WC-AOV-037A	
CA-HV-241	2	CA-HV-804	CA-CKV-805	WC-SOV-038B		WC-AOV-038B	
CA-HV-242	2	CA-HV-806	CA-CKV-807	WC-SOV-038A		WC-AOV-038A	
CA-HV-438	2	CA-HV-821	CA-CKV-831	SL-SOV-002A		SL-AOV-002A	
CA-HV-441	2	CA-HV-822	CA-CKV-832	SL-SOV-002B		SL-AOV-002B	
CA-HV-436	2	CA-HV-823	CA-CKV-833	SL-SOV-003A		SL-AOV-003A	
CA-HV-440	2	CA-HV-824	CA-CKV-834	SL-SOV-003B		SL-AOV-003B	
CA-HV-443	2	CA-HV-825	CA-CKV-835	SL-SOV-012A		SL-AOV-012A	
CA-HV-444	2	CA-HV-826	CA-CKV-836	SL-SOV-012B		SL-AOV-012B	
CA-HV-441	2	CA-HV-827	CA-CKV-837	SL-SOV-014		SL-AOV-014	
CA-HV-437	2	CA-HV-828	CA-CKV-838	SL-SOV-015		SL-AOV-015	
CA-HV-450	2	CA-HV-829	CA-CKV-839	CH-SOV-011A		CH-AOV-011A	
CA-HV-444	2	CA-HV-830	CA-CKV-840	CH-SOV-011B		CH-AOV-011B	
	9	CA-CKV-841	SL-SOV-022-1	SL-SOV-022-2		SL-AOV-022	
	9	CA-CKV-842	SL-SOV-035-1	SL-SOV-035-2		SL-AOV-035	
	9	CA-CKV-843	SL-SOV-036-1	SL-SOV-036-2		SL-AOV-036	
CA-HV-257	10	CA-HV-844	CA-PRV-845	CA-PRV-846		SH-PCV-008B	
CA-HV-251	11	CA-HV-847	CA-PRV-848	CA-PRV-849		SH-PCV-008A	
CA-HV-254	12	CA-HV-850	CA-PRV-851	CA-PRV-852		CH-LCV-002	
CA-HV-254	13	CA-HV-853	CA-PRV-854				TO THERMOSTATS
CA-HV-254	14	CA-HV-855	CA-PRV-856	CH-SOV-041B		CH-AOV-041B	
CA-HV-254	14	CA-HV-857	CA-PRV-858	CH-SOV-042B		CH-AOV-042B	
CA-HV-169	16	OG-SOV-004A				OG-AOV-004A	
CA-HV-171	16	OG-SOV-004B				OG-AOV-004B	
CA-HV-173	16	OG-SOV-004C				OG-AOV-004C	
CA-HV-169	16	OG-SOV-005A				OG-AOV-005A	
CA-HV-171	16	OG-SOV-005B				OG-AOV-005B	
CA-HV-173	16	OG-SOV-005C				OG-AOV-005C	
CA-HV-298	17	CA-PRV-862	CA-HV-863				TO EE-08-003
CA-HV-298	17	CA-PRV-864	CA-HV-865				TO F2T-065
CA-HV-298	18	CA-PRV-866	CA-HV-867	CA-HV-868			
CA-HV-298	18	CA-PRV-869	CA-HV-870	CA-HV-871			
CA-HV-474	4	CA-HV-872	SL-SOV-024A			SL-AOV-024A	
CA-HV-475	4	CA-HV-873	SL-SOV-030			SL-AOV-030	
CA-HV-476	4	CA-HV-874	SL-SOV-026A			SL-AOV-026A	
CA-HV-477	4	CA-HV-875	SL-SOV-029A			SL-HV-029A	SEE NOTE 3
CA-HV-478	4	CA-HV-876	SL-SOV-028A			SL-AOV-028A	
CA-HV-479	4	CA-HV-877	SL-SOV-027A			SL-AOV-027A	
CA-HV-480	19	CA-HV-878	CH-SOV-031A-1	CA-CKV-879	CH-SOV-031A-2	CH-AOV-031A	
CA-HV-481	19	CA-HV-880	CH-SOV-030A-1	CA-CKV-881	CH-SOV-030A-2	CH-AOV-030A	
CA-HV-482	19	CA-HV-882	CH-SOV-029A-1	CA-CKV-883	CH-SOV-029A-2	CH-AOV-029A	
CA-HV-483	19	CA-HV-884	SL-SOV-025A-1	CA-CKV-885	SL-SOV-025A-2	SL-AOV-025A	
CA-HV-484	19	CA-HV-886	SL-SOV-023A-1	CA-CKV-887	SL-SOV-023A-2	SL-AOV-023A	
CA-HV-485	19	CA-HV-888	SL-SOV-021A-1	CA-CKV-889	SL-SOV-021A-2	SL-AOV-021A	
CA-HV-488	4	CA-HV-890	SL-SOV-024B			SL-AOV-024B	
CA-HV-489	4	CA-HV-891	SL-SOV-031			SL-AOV-031	
CA-HV-490	4	CA-HV-892	SL-SOV-026B			SL-AOV-026B	
CA-HV-491	4	CA-HV-893	SL-SOV-029B			SL-AOV-029B	
CA-HV-492	4	CA-HV-894	SL-SOV-028B			SL-AOV-028B	
CA-HV-493	4	CA-HV-895	SL-SOV-027B			SL-AOV-027B	
CA-HV-494	19	CA-HV-896	CH-SOV-031B-1	CA-CKV-897	CH-SOV-031B-2	CH-AOV-031B	
CA-HV-495	19	CA-HV-898	CH-SOV-030B-1	CA-CKV-899	CH-SOV-030B-2	CH-AOV-030B	
CA-HV-496	19	CA-HV-900	CH-SOV-029B-1	CA-CKV-901	CH-SOV-029B-2	CH-AOV-029B	
CA-HV-497	19	CA-HV-902	SL-SOV-025B-1	CA-CKV-903	SL-SOV-025B-2	SL-AOV-025B	
CA-HV-498	19	CA-HV-904	SL-SOV-023B-1	CA-CKV-905	SL-SOV-023B-2	SL-AOV-023B	
CA-HV-499	19	CA-HV-906	SL-SOV-021B-1	CA-CKV-907	SL-SOV-021B-2	SL-AOV-021B	
CA-HV-421	8						
	2	CA-HV-909	CA-CKV-910	HP-SOV-001A		HP-AOV-001A	
	2	CA-HV-911	CA-CKV-912	HP-SOV-002A		HP-AOV-002A	
	2	CA-HV-913	CA-CKV-914	HP-SOV-002B		HP-AOV-002B	
CA-HV-525	20	WC-SOV-016B	CA-PRV-915			WC-AOV-016B	
CA-HV-521	20	WC-SOV-017B	CA-PRV-916			WC-AOV-017B	
CA-HV-520	20	WC-SOV-018B	CA-PRV-917			WC-AOV-018B	
CA-HV-522	20	WC-SOV-019B	CA-PRV-918			WC-AOV-019B	
CA-HV-526	20	WC-SOV-020B	CA-PRV-919			WC-AOV-020B	

ROOT VALVE NO.	DETAIL NO.	A	B	C	D	AO VALVE	REMARKS
CA-HV-519	20	WC-SOV-022B	CA-PRV-920			WC-AOV-022B	
CA-HV-523	20	WC-SOV-015B	CA-PRV-921			WC-AOV-015B	
CA-HV-517	20	WC-SOV-008B	CA-PRV-922			WC-AOV-008B	
CA-HV-518	20	WC-SOV-021B	CA-PRV-923			WC-AOV-021B	
CA-HV-516	20	WC-SOV-011B	CA-PRV-924			WC-AOV-011B	
CA-HV-524	20	SH-SOV-013B	CA-PRV-925			SH-AOV-013B	
CA-HV-545	20	WC-SOV-011A	CA-PRV-926			WC-AOV-011A	
CA-HV-546	20	WC-SOV-008A	CA-PRV-927			WC-AOV-008A	
CA-HV-549	20	WC-SOV-018A	CA-PRV-929			WC-AOV-018A	
CA-HV-550	20	WC-SOV-017A	CA-PRV-930			WC-AOV-017A	
CA-HV-551	20	WC-SOV-019A	CA-PRV-931			WC-AOV-019A	
CA-HV-552	20	WC-SOV-015A	CA-PRV-932			WC-AOV-015A	
CA-HV-553	20	SH-SOV-013A	CA-PRV-933			SH-AOV-013A	
CA-HV-554	20	WC-SOV-016A	CA-PRV-934			WC-AOV-016A	
CA-HV-555	20	WC-SOV-020A	CA-PRV-935			WC-AOV-020A	
CA-HV-548	21	CA-PRV-936	WC-SOV-022A			WC-AOV-022A	
CA-HV-233	2	CA-HV-961	CA-CKV-937	SL-SOV-011B		SL-AOV-011B	
CA-HV-234	2	CA-HV-962	CA-CKV-938	SL-SOV-011A		SL-AOV-011A	
CA-HV-235	2	CA-HV-963	CA-CKV-939	SL-SOV-006B		SL-AOV-006B	
CA-HV-188	2	CA-HV-964	CA-CKV-940	SL-SOV-006A		SL-AOV-006A	
CA-HV-238	2	CA-HV-951	CA-CKV-941	SA-SOV-001A		SA-AOV-001A	
CA-HV-202	2	CA-HV-952	CA-CKV-942	SA-SOV-001B		SA-AOV-001B	
CA-HV-145	2	CA-HV-953	CA-CKV-943	SA-SOV-002A		SA-AOV-002A	
CA-HV-239	2	CA-HV-954	CA-CKV-944	SA-SOV-002B		SA-AOV-002B	
CA-HV-236	2	CA-HV-955	CA-CKV-945	SL-SOV-004A		SA-AOV-004A	
CA-HV-237	2	CA-HV-956	CA-CKV-946	SL-SOV-004B		SA-AOV-004B	
CA-HV-146	2	CA-HV-957	CA-CKV-947	SL-SOV-005A		SL-AOV-005A	
CA-HV-148	2	CA-HV-958	CA-CKV-948	SL-SOV-005B		SL-AOV-005B	
CA-HV-196	2	CA-HV-959	CA-CKV-949	SL-SOV-013A		SL-AOV-013A	
CA-HV-147	2	CA-HV-960	CA-CKV-950	SL-SOV-013B		SL-AOV-013B	

REVISIONS		
REV.	ZONE	DESCRIPTION
52	D-2	ADMINISTRATIVE CHANGE PER CMT 187058

NOTES:

1. SEE SHEET 1 FOR GENERAL NOTES.
2. WORK THIS DRAWING WITH BR 2013 SH 9.
3. SL-AOV-029A IS NOW MANUAL VALVE SL-HV-029A AND IT'S ASSOCIATED CONTROL AIR IS DISCONNECTED.
4. REFER TO GMS2 FOR DRAWING NUMBERS RELATING TO VALVE IDENTIFICATIONS SHOWN ON THIS DIAGRAM. (52)

BUILDING LOCATION MATRIX

BUILDING	BR-2013 SH. 1	2	3	4	5	6	7	8
REACTOR BLDG.	X	X	X		X	X	X	
TURBINE BLDG.	X		X	X	X		X	
OLD RADWSTE.BLDG.		X						X
NEW RADWSTE.BLDG.		X						X
AUG.OFFGAS BLDG.		X						X
CHLORIN.BLDG.				X				
BOILER HOUSE		X			X			X
PRETREATMENT BLDG.	X							
MACHINE SHOP	X							
CCW HT.EX.BLDG.		X						X
NEW PUMP HOUSE		X						X
INTAKE STRUCTURE				X				
COND.TRANSF.PMP.RM.				X				
RADEMS BLDG.					X			
STACK		X						

SHEETS 9 & 10 ARE NOT APPLICABLE

CAD FILE: V3E.857.21.0100.010-.5201

THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

REVISION 41 OF THIS DRAWING WAS REDRAWN FROM GU 3E-857-21-1000 SH2 REV2 AND GU 3E-857-21-1000 SH3 REV 1

REVISION 47 OF THIS DRAWING WAS REDRAWN FROM BR 2013 SH.13 REV.42.

NO.	DWG. NO.	TITLE
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

MARK EVERLY 02-07-96
DRAWN DATE 2-14-96
CHECKED DATE 2-14-96
DESIGN LEADER DATE
ENGINEER DATE 2-14-96
MANAGER APPROVAL DATE
ENG.MECH.

GPU Nuclear/BR

INSTRUMENT (CONTROL) AIR SYSTEM (FLUID DETAILS NEW RADWASTE)

FLOW DIAGRAM

OYSTER CREEK

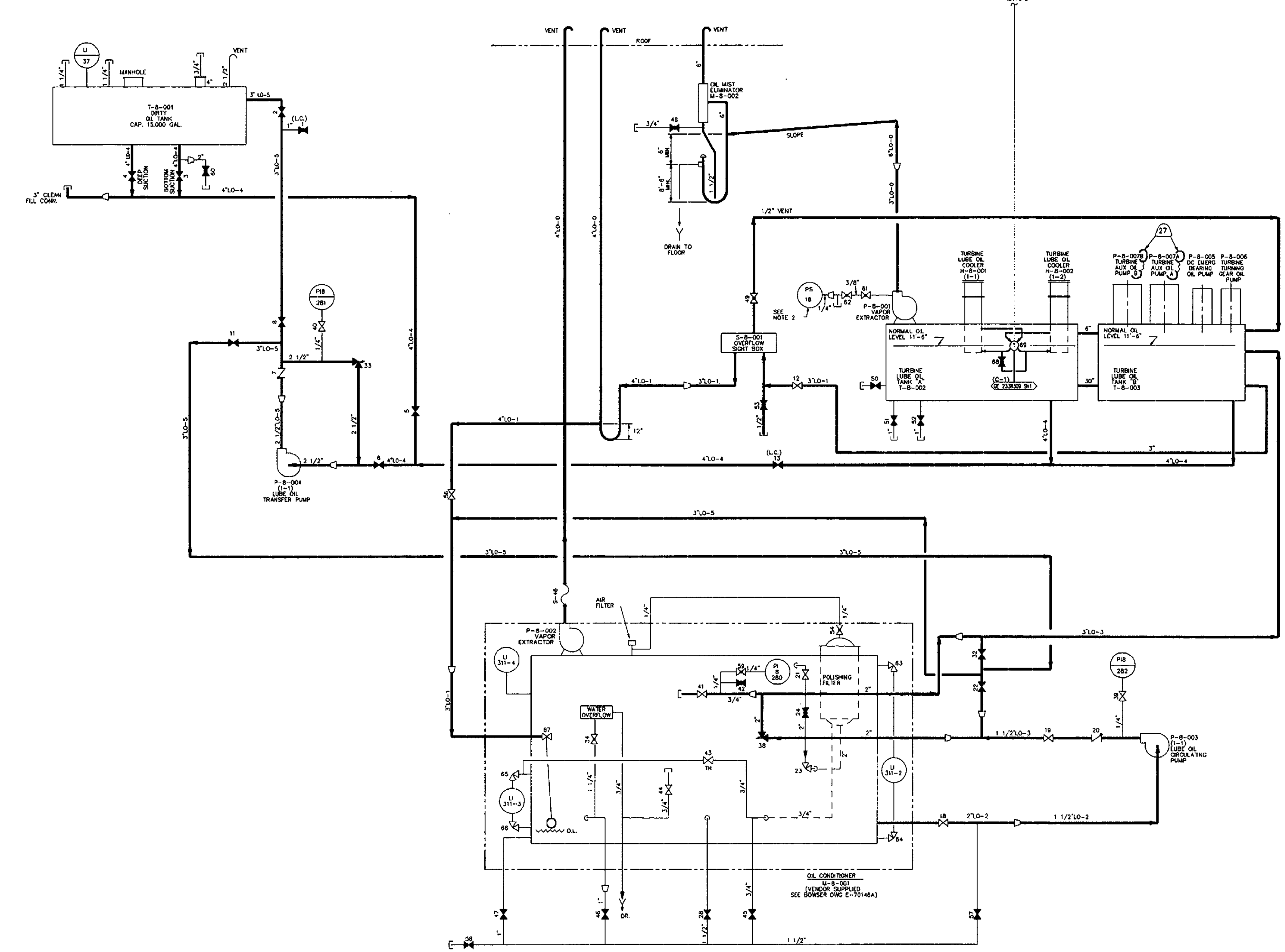
DWG. NO. BR 2013 | SH. 10 OF 10 | REV. 52

SCALE: NONE

BA | MAOK

DWG. NO. BR 2013 SH. 10 OF 10

REV	ZONE	DESCRIPTION
28	F-3	ECO C307414



NOTES:

1. SEE VALVE LABELING NOTE.
2. PS-18 AND VALVE V-8-62 ARE LOCATED INSIDE CABINET ON TOP OF LUBE OIL TANK "B".

LABELING NOTE

ALL VALVES ON THIS SHEET ARE PREFIXED V-8 UNLESS OTHERWISE NOTED.

NO.	DWG. NO.	TITLE
5	BR-2006 SH3	TURBINE BLDG. CLOSED COOLING WATER FLOW DIAG.
4	E-70148A	BOWSER DWG. OIL CONDITIONER
3	BR-2001 SH3	MECHANICAL DRAWING INDEX
2	BR-2001 SH2	ABBREVIATIONS
1	BR-2001 SH1	MECHANICAL SYMBOLS

REFERENCES

CAD FILE NAME: BR 2014 S1 R28

REVISION 27 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E.31.21.0100.001-.2701

THIS IS A COMPUTER GENERATED DRAWING. DO NOT REVISE IT MANUALLY.

DRAWN: NANCY A. CARLSON 5-18-98
CHECKED: NICK TITOLO 5-19-98

GPU NUCLEAR

TURBINE LUBE OIL SYSTEM
FLOW DIAGRAM

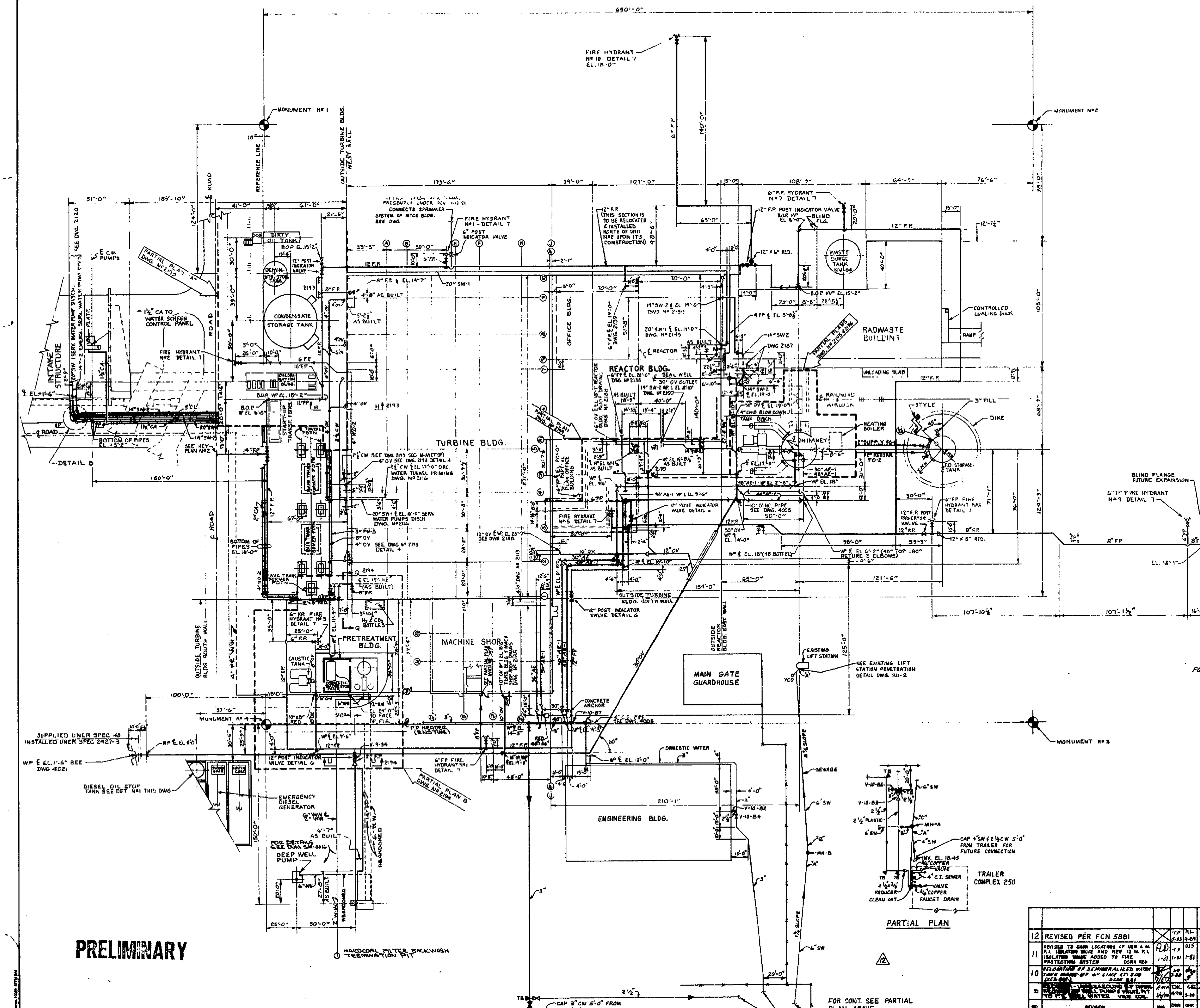
OYSTER CREEK

DWG. NO. BR 2014 | SH. 1 | REV 28

SCALE: NONE

PIMS # N/A

SIZE	DRAWING NO.	SHEET	REV.
E	BR 2192	1 OF 2	11



REFERENCE DRAWINGS

MECHANICAL DRAWING INDEX
BURNS & ROE INC. DWG 2000
ELECTRICAL DRAWING INDEX
BURNS & ROE INC. DWG. 3000
STRUCTURAL DRAWING INDEX
BURNS & ROE INC DWG 4000
FLOW DIAGRAM FEEDWATER & CONDENSATE SYSTEM TURBINE & REACTOR BUILDING
BURNS & ROE INC. DWG. 2003
FLOW DIAGRAM CONDENSATE & DEMINERALIZED WATER TRANSFER SYSTEM
BURNS & ROE INC. DWG 2004
FLOW DIAGRAM CIRCULATING, SCREEN WASH SERVICE & EMERGENCY COOLING WATER SYSTEM
BURNS & ROE INC. DWG. 2005
FLOW DIAGRAM AIR EXTRACTION, OFFGAS SYSTEM
BURNS & ROE INC. DWG. [illegible]
FLOW DIAGRAM INSTRUMENT, SERVICE, BREATHING & BLEEDER CHECK TRIP AIR
BURNS & ROE INC. DWG. 2013
FLOW DIAGRAM FIRE PROTECTION, DOMESTIC WATER & TURBINE OIL PURIFICATION SYSTEM
BURNS & ROE INC. DWG. 2014
FLOW DIAGRAM HEATING STEAM & AUXILIARY SYSTEMS
BURNS & ROE INC. DWG. 2015
FLOW DIAGRAM WATER TREATMENT
COCHRANE DWG 146 676
FLOW DIAGRAM CHLORINATION
FISCHER & PORTER CO. DWG. SE 5[illegible]
ELEVATED WATER STORAGE TANK
CHICAGO BRIDGE & IRON CO. DWG. [illegible]
TEMPORARY CONSTRUCTION WATER FACILITIES
BURNS & ROE INC. DWG. SK-2299-16-2
ELEVATED WATER STORAGE TANK VALVE PIT
BURNS & ROE INC. DWG. SK-22[illegible]-16-1
CONDENSATE WATER STORAGE TANK
PITTSBURGH-DES MOINES STL. CO 56456-02
DEMINERALIZED WATER STORAGE TANK
PITTSBURGH-DES MOINES STL. CO. 56456-01
DIRTY OIL TANK BUFFALO TANK DWG. [illegible]
DIESEL OIL STORAGE TANK
BUFFALO TANK DWG. U-9789
HEATING BOILER FUEL OIL STORAGE TANK
PITTSBURGH-DES MOINES STL. CO. 56456-03
ACID STORAGE TANK BUFFALO TANK DWG. U-9780
CAUSTIC STORAGE TANK
BUFFALO TANK DWG. U-9778
SODA ASH FEED TANK & PUMP ASSEMBLY
COCHRANE DWG. D-150-597
ALUM FEED TANK & PUMP ASSEMBLY
COCHRANE DWG. D-150594
SEPARAN FEED TANK & PUMP ASSEMBLY
COCHRANE DWG. 159619
HYPOCHLORINATOR FEED TANK & PUMP
COCHRANE DWG. D-150599
COAGULATOR & CLEARWELL ASSEMBLY
COCHRANE DIV. DWG. G-148515
ASSEMBLY OF VALVELESS GRAVITY FILTER
COCHRANE DIV DWG F-148489
DIESEL GENERATOR CUMMINS ENGINE 718
EMERGENCY FIRE PUMPS
LAYNE & BOWLER PUMP CO. DWG. 3552
POND PUMP
LAYNE & BOWLER PUMP CO. DWG. D14319R
JOCKEY PUMP
LAYNE & BOWLER PUMP CO. DWG. D14320R
DEMINERALIZED WATER TRANSFER PUMPS
GOULDS PUMPS INC. DWG. 764A[illegible]-1-2
CONDENSATE TRANSFER PUMPS
GOULDS PUMPS INC DWG. 764A608-1-2
SERVICE WATER BOOSTER PUMP
WORTHINGTON CORP. DWG. X-62613
DOMESTIC WATER STORAGE TANK
MOHAWK MANUF. CO. DWG F-2700D
ACID PUMPS THE DEMING CO. DWG 112-243A
CAUSTIC PUMPS THE DEMING CO. DWG. 112-243B
EMERGENCY DIESEL ELECTRIC GENERATING PLANT
EMD GENERAL MOTORS CORP. DWG 8373878
FIREPROTECTION GRINNELL CO.
TURBINE BUILDING DWG. 8-5832-4
YARD DWG. 8-5832-2 & 3
MACHINE SHOP & OFFICE 8-5832-7

FILTERED FEED PUMPS (PRETREATMENT)
CRANE CO. DWG. D-4021-3
LAYOUT OF CHLORINATION EQUIP. & PIPING
FISHER PORTER CO. DWG. [illegible]
FUEL OIL STORAGE TANK
PITTSBURGH DES MOINES STL. 56456-03
HEATING BOILER CLEAVER BROOKS 56095
PUMP & STRAINER SET, LIGHT OIL, DUPLEX
CLEAVER BROOKS 609-42
CUSTOMER'S FUEL CONN. 100 B' BURNER (STD.)
CLEAVER BROOKS 7198-230
PLAN AND SPECIFICATIONS OF THE DOMESTIC WATER SUPPLY AND THE SANITARY WASTE SYSTEM
SANDERS & THOMAS, INC 4503 SNT. SU-1 (12)

FOR SUPPLEMENTARY NOTES SEE DWG. 2117-7A

FOR GENERAL NOTES DWG. 2101

WORK THIS DWG. WITH DWGS. 2193, 2194, 2195, & 2196

SUPERSEDES BURNS & ROE DWG. 2192-8

W.O. 2299

NO	REVISION	ENG.	DWN BY	CHK BY	APPROVED BY & DATE
12	REVISED PER FCN 5881	X	TF 5-85	RL 4-89	9-7-89
11	REVISED TO SHOW LOCATIONS OF NEW 6 IN. P.I. ISOLATION VALVE AND NEW 12 IN. P.I. ISOLATION VALVE ADDED TO FIRE PROTECTION SYSTEM DCRN 826	1-81	TF 1-81	DJS 1-81	1/4/81
10	RELOCATION OF DEMINERALIZED WATER TANK MAKE-UP 4" LINE ET-308 (VER. [illegible]) DCRN [illegible]	[illegible]	7-80	[illegible]	[illegible]
9	[illegible] UNDERGROUND [illegible] WELL PUMP & VALVE PIT TO [illegible] WINTER [illegible]	[illegible]	4-79	5-80	5-5-80

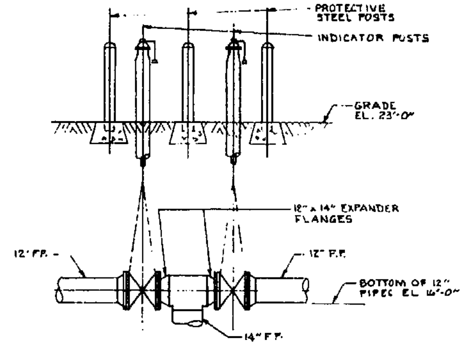
JERSEY CENTRAL POWER & LIGHT CO.
GENERATION DEPARTMENT

COMPOSITE YARD PIPING KEY PLAN

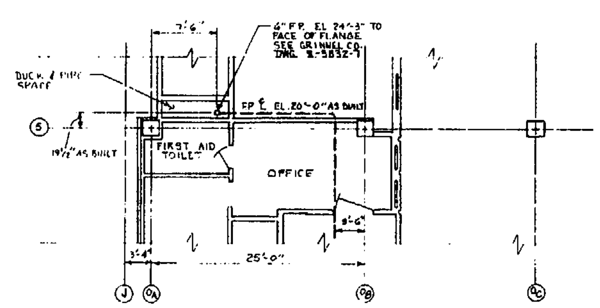
SIZE E | TOLERANCES: | SCALE: 1" = 30'-0"

DRAWING NO. BR 2192 | SHEET 1 OF 2 | REV 12

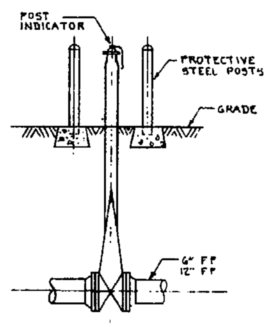
SIZE	DRAWING NO.	SHEET	REV.
E	BR 2192	2 OF 2	0



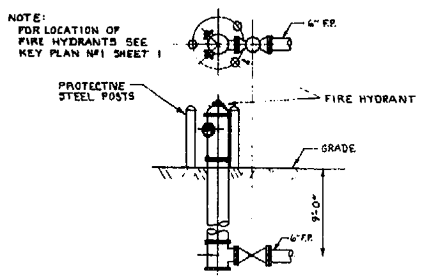
DETAIL 5
SCALE 3/8"=1'-0"



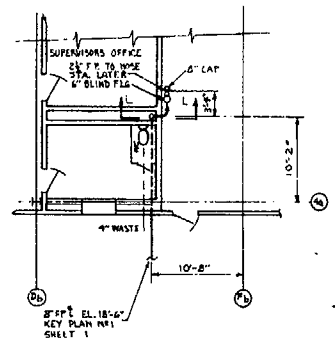
PARTIAL PLAN OF OFFICE BUILDING FIRST FLOOR EL. 23'-6"
SCALE: 1/8"=1'-0"



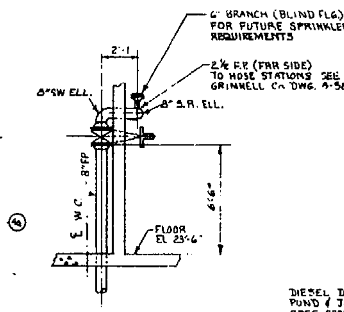
DETAIL 6
SCALE 3/8"=1'-0"



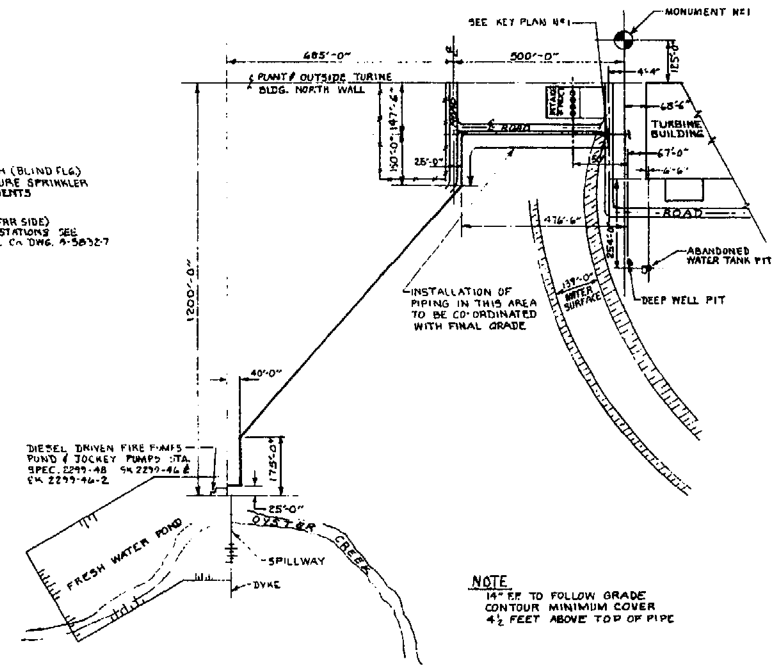
DETAIL 7
SCALE NONE



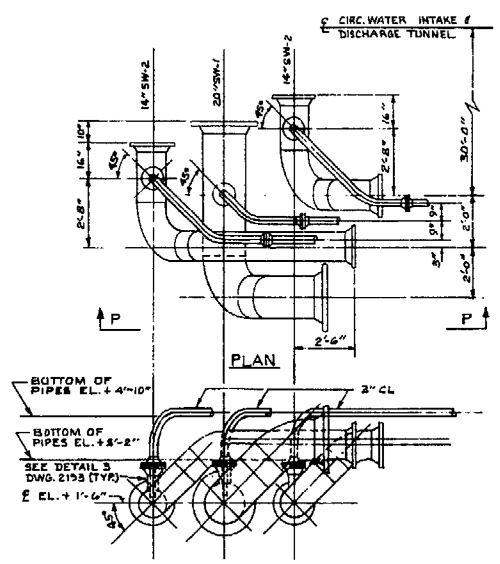
PARTIAL PLAN OF MACHINE SHOP
SCALE 1/8"=1'-0"



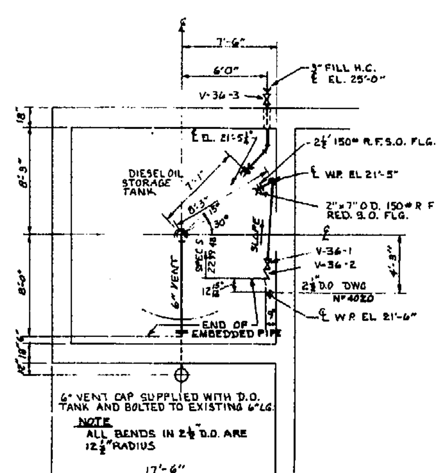
SECTION L-L



KEY PLAN Nº 2
SCALE 1"=200'-0"



DETAIL 8
SCALE 3/8"=1'-0"



DETAIL 11
SCALE 3/16"=1'-0"

SUPERSEDES BURNS & ROE
DWG. 2192-8

W.O. 2299

NO	REVISION	ENG.	DWN BY	CHK BY	APPROVED BY & DATE
0	REDRAWN / BROUGHT UP TO DATE ADDED HYDRANT #9 & #10, ADD SH. 2.				

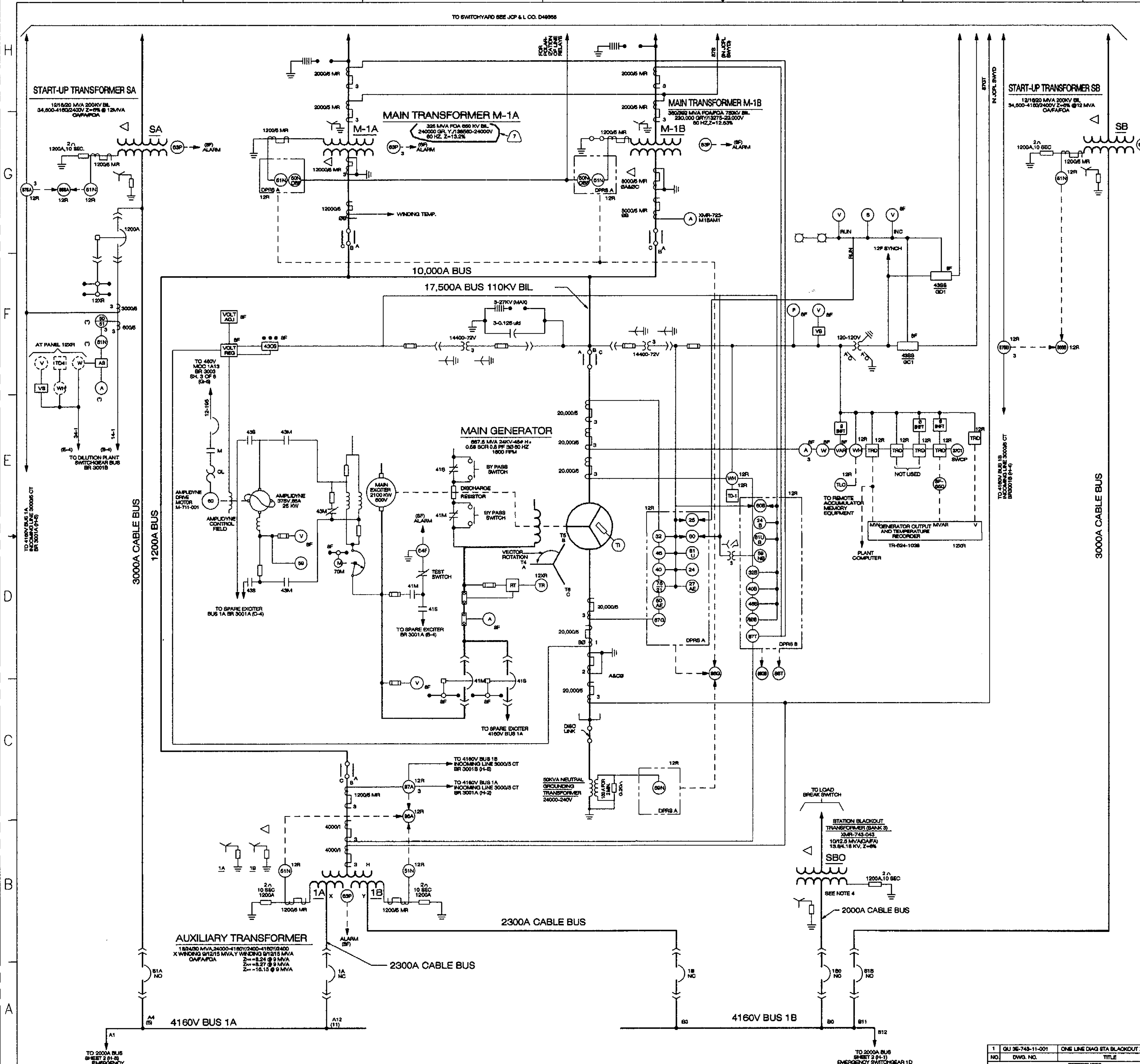
JERSEY CENTRAL POWER & LIGHT CO.
GENERATION DEPARTMENT

COMPOSITE YARD PIPING
KEY PLAN

SIZE	TOLERANCES:	SCALE:
E		AS NOTED

DRAWING NO.	SHEET	REV
BR 2192	2 OF 2	0

REVISIONS		
REV	ZONE	DESCRIPTION
7		ECD C312260



NOTES:

1. SEE DWG. GU 3E-700-10-001 FOR SYMBOLS.
2. THE START-UP TRANSFORMER CIRCUIT BREAKERS ARE INTERLOCKED SO THAT LOW VOLTAGE SIDE (4.16 KV) CIRCUIT S1A & S1B WILL TRIP FOLLOWING A TRIP SIGNAL TO THE HIGH VOLTAGE SIDE (34.5 KV) CIRCUIT BREAKERS SA & SB RESPECTIVELY. THIS IS TO PROTECT THE 34.5 KV VOLTAGE REGULATORS ON THE PRIMARY SIDE OF THE START-UP TRANSFORMERS.
3. (*) WILL MARK ALL EQUIPMENT NOT VERIFIED DUE TO HIGH RADIATION OR PLANT CONDITIONS.
4. FOR PROTECTIVE RELAYING OF STATION BLACKOUT TRANSFORMER, SEE REF.1

NO.	DWG. NO.	TITLE
1	GU 3E-743-11-001	ONE LINE DIAG STA BLACKOUT XFMR

REFERENCES

CAD FILE NAME: BR 3001 S1 R7

REVISION 0 OF THIS DRAWING WAS REDRAWN FROM BR 3001, REV. 16 AND BR 3002, REV. 25.
REVISION 6 OF THIS DRAWING WAS TRANSLATED TO AUTOCAD FROM CADAM FILE: V3E,710,11,0001,000-,0601

USE

THIS IS A COMPUTER GENERATED DRAWING DO NOT REVISE IT MANUALLY

AmerGen

PLANT ELECT. GENERATION
MAIN ONE LINE DIAGRAM
AUX, STARTUP & MAIN XFMRS, SBO XFMR AND MAIN GENERATOR

DRAWN: E.J.BRENNAN 08/28/00

OYSTER CREEK

DWG. NO.	SH.	REV.
BR 3001	1 OF 2	7

SCALE : NONE

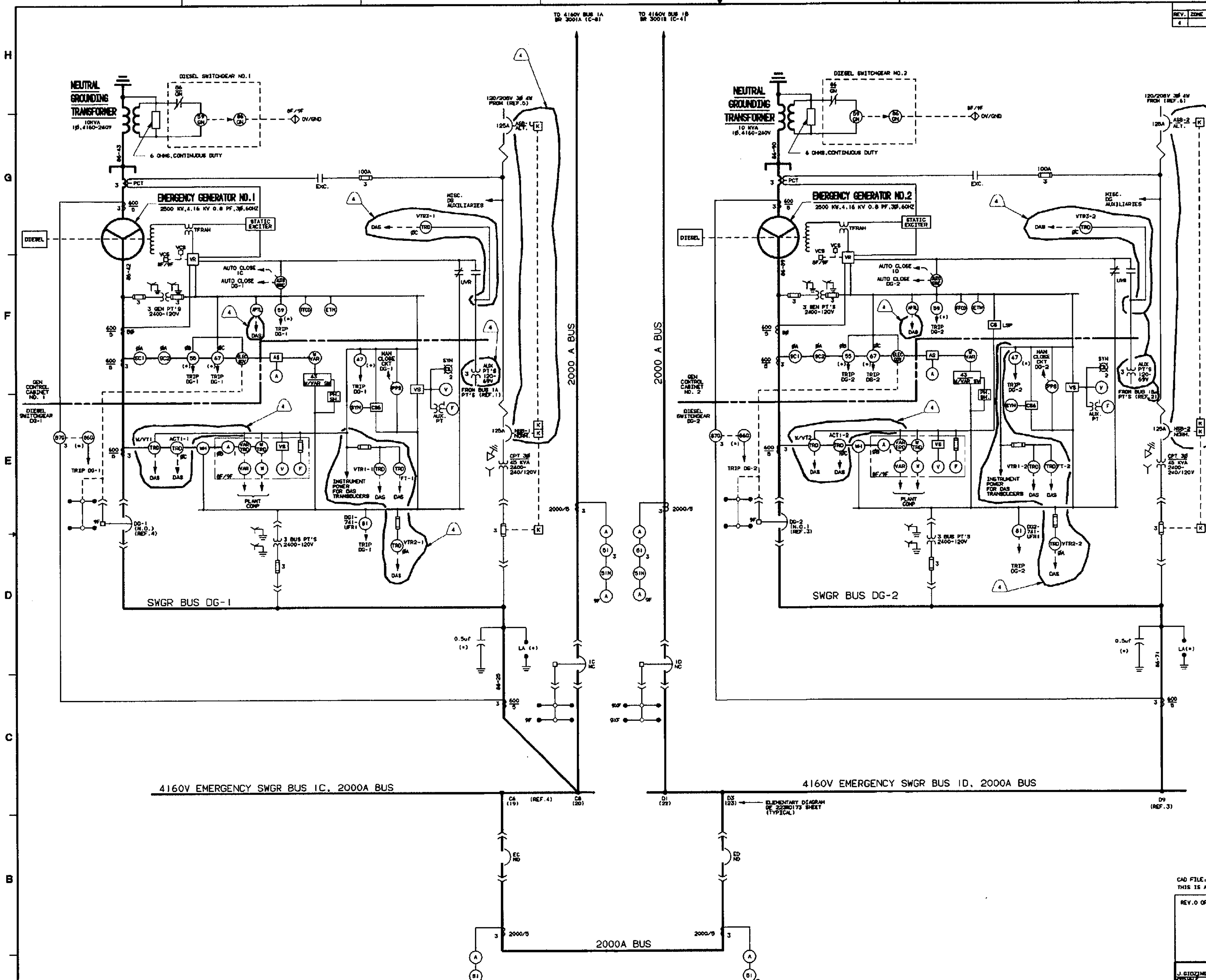
BA | TASK

DWG.NO. BR 3001 SH. 1 OF 2

STICK #1

GROUP=OC SUBGRP=GIOZIN SCALE= 0.6500 DRAWID=V3E741110001002-0401
DATE=11/06/96 TIME=14.30 ACCESS=NONE
LOGON ID=N5364
PLOT= 1

REV.	ZONE	REVISIONS DESCRIPTION
4		ECO C306443 & ECO C306446



NOTES:

1. SEE DWG.GU 3C-700-10-001 FOR SYMBOLS.
2. 4160V EMERGENCY BUS MAIN AND TIE BREAKERS ARE 250 MVA.
3. (*) WILL MARK ALL EQUIPMENT NOT VERIFIED DUE TO HIGH RADIATION OR PLANT CONDITIONS.

LEGEND:

- FFCO -FIELD CUT OUT RELAY
- APTL -AUTO POWER TRANSFER LOAD CONTROL
- SC1,2 -GEN O/L RELAYS
- LSP -LOCAL SHUTDOWN PANEL
- PPS -PARALLELING PHASE SWITCH
- GOV -ELECTRONIC GOVERNOR CONTROL
- PCT -POWER CONTROL TRANSFORMER
- EXC -EXCITER CONTACTOR
- TFRAH -ANTI HUNT TRANSFORMER
- VCS -VOLTAGE CONTROL SWITCH
- UVR -UTILITY VOLTAGE RELAY
- PH.SH.-PHASE SHIFTER
- NSB -NORMAL AC SUPPLY BREAKER
- ASB -ALTERNATE AC SUPPLY BREAKER

CAD FILE: V3E.741.11.0001.002-.0401
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

REV.0 OF THIS DRAWING WAS REDRAWN FROM BR 3002 REV.28.

NUCLEAR SAFETY RELATED USE

NO.	DWG. NO.	TITLE
6	GU 3C-737-11-078	DISTR. PNL PDJ T11-382
5	GU 3C-737-11-077	DISTR. PNL PDS T11-381
4	EM0393039.SH.4.5	BKR CONTROL & 3 LINE DIAGRAM DG 1
3	EM0397907.SH.4.5	BKR CONTROL & 3 LINE DIAGRAM DG 2
2	BR 3001B	ONE LINE DIAGRAM 4KV BUS 1B
1	BR 3001A	ONE LINE DIAGRAM 4KV BUS 1A

REFERENCES

J.GIOZINSKI 9/10/96 DRAWN DATE
11-22-96 CHECKED DATE N/A
DESIGN LEADER DATE N/A
ENGINEER DATE 11/25/96
MANAGER APPROVAL DATE
ENG.MECH.

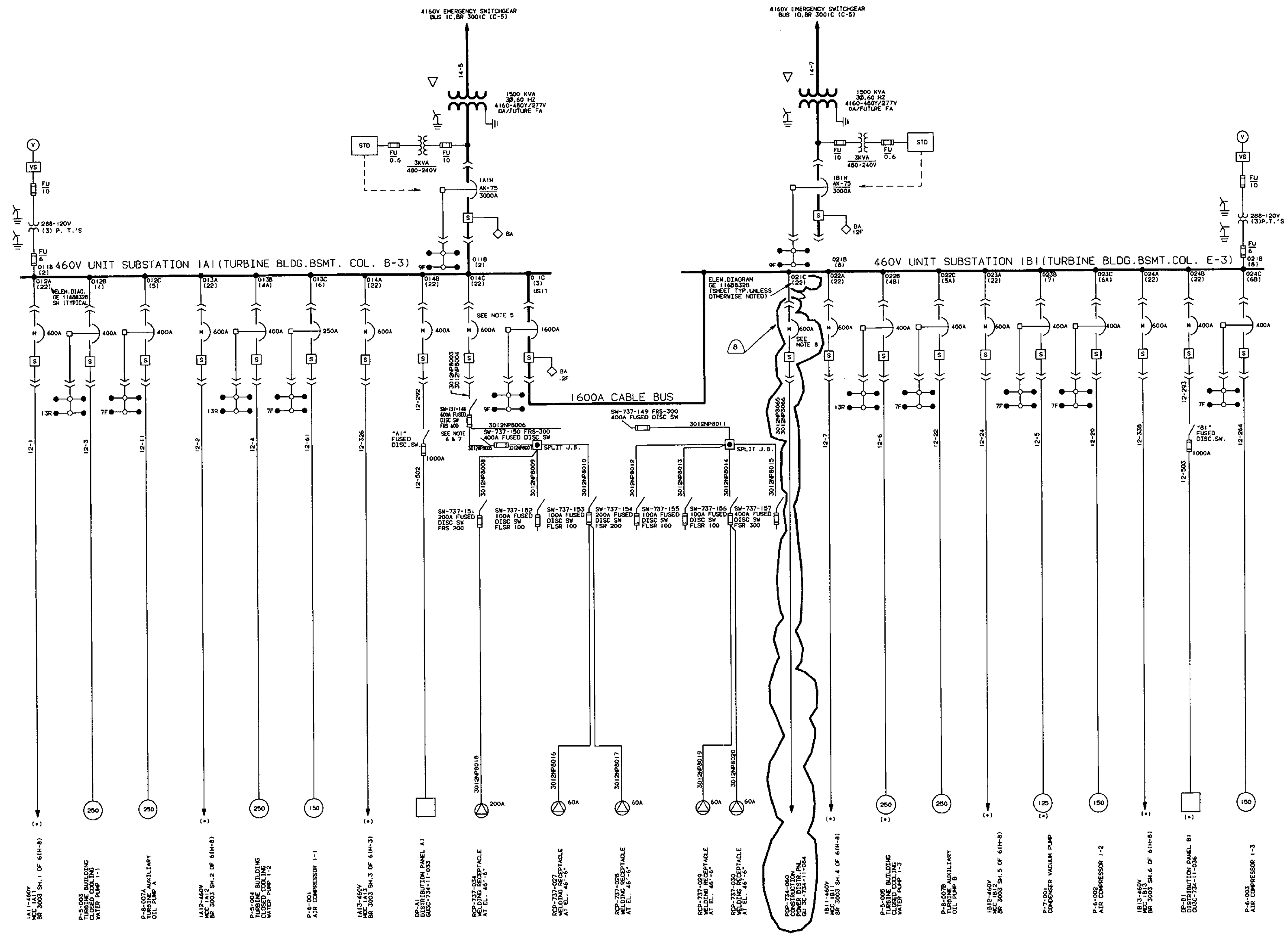
GPU Nuclear /BR

EMERGENCY POWER SYSTEM
ONE LINE DIAGRAM
EMERGENCY DIESEL GENERATORS

OYSTER CREEK | DWG. NO. BR 3001 | SH. 2 OF 2 | REV. 4
SCALE: NONE
BA 328383 | W.O. 501A-02383

STICK #1

REV.	ZONE	DESCRIPTION
8		FCN C098241



NOTES:

1. SEE DWG.GU3E-700-10-001 FOR SYMBOLS.
2. ALL MANUAL OPERATED BREAKERS ARE AK-50. ALL ELECTRICALLY OPERATED FEEDER BREAKERS(MOTOR FEEDER & TIE BKR) ARE AK-50 & ARE INTERCHANGEABLE WITH AKS-50 STYLE BREAKERS(EXCEPT AS NOTED). ALL AK-75 BREAKERS(MAIN BKRS) ARE INTERCHANGEABLE WITH AKR-75 STYLE BREAKERS.
3. 460V BUS TIE BREAKER MUST BE INTERLOCKED WITH INCOMING BREAKERS TO AVOID EXCEEDING INTERRUPTING CAPACITY.
4. (*) WILL MARK ALL EQUIPMENT NOT VERIFIED DUE TO HIGH RADIATION OR PLANT CONDITIONS.
5. BREAKER 014C TO BE RACKED IN AND ENERGIZED DURING THE OUTAGE
6. FUSES ARE TO BE INSTALLED IN DISCONNECT SWITCH SW-737-148 DURINBG THE OUTAGE, OTHERWISE, REMOVED AND STORED IN BLDG.#6 FOR RE-USE.
7. DISCONNECT SWITCH SW-737-148 TO BE ENERGIZED DURING OUTAGE
8. CIRCUIT BREAKER 021C TP BE RACKED-IN AND ENERGIZED DURING THE OUTAGE ONLY.

CAD FILE: V3E,732,11,0006,001-,0801
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

REVISION 0 OF THIS DRAWING WAS REDRAWN FROM BR 3002, REV. 28.

NO.	DWG. NO.	TITLE
REFERENCES		

M. ROSS 10/03/94
DRAWN DATE
C. HINCHLIFFE 1/31/95
CHECKED DATE 3/3/95
DESIGN LEADER DATE
ENGINEER DATE
MANAGER APPROVAL DATE

GPU Nuclear/BR

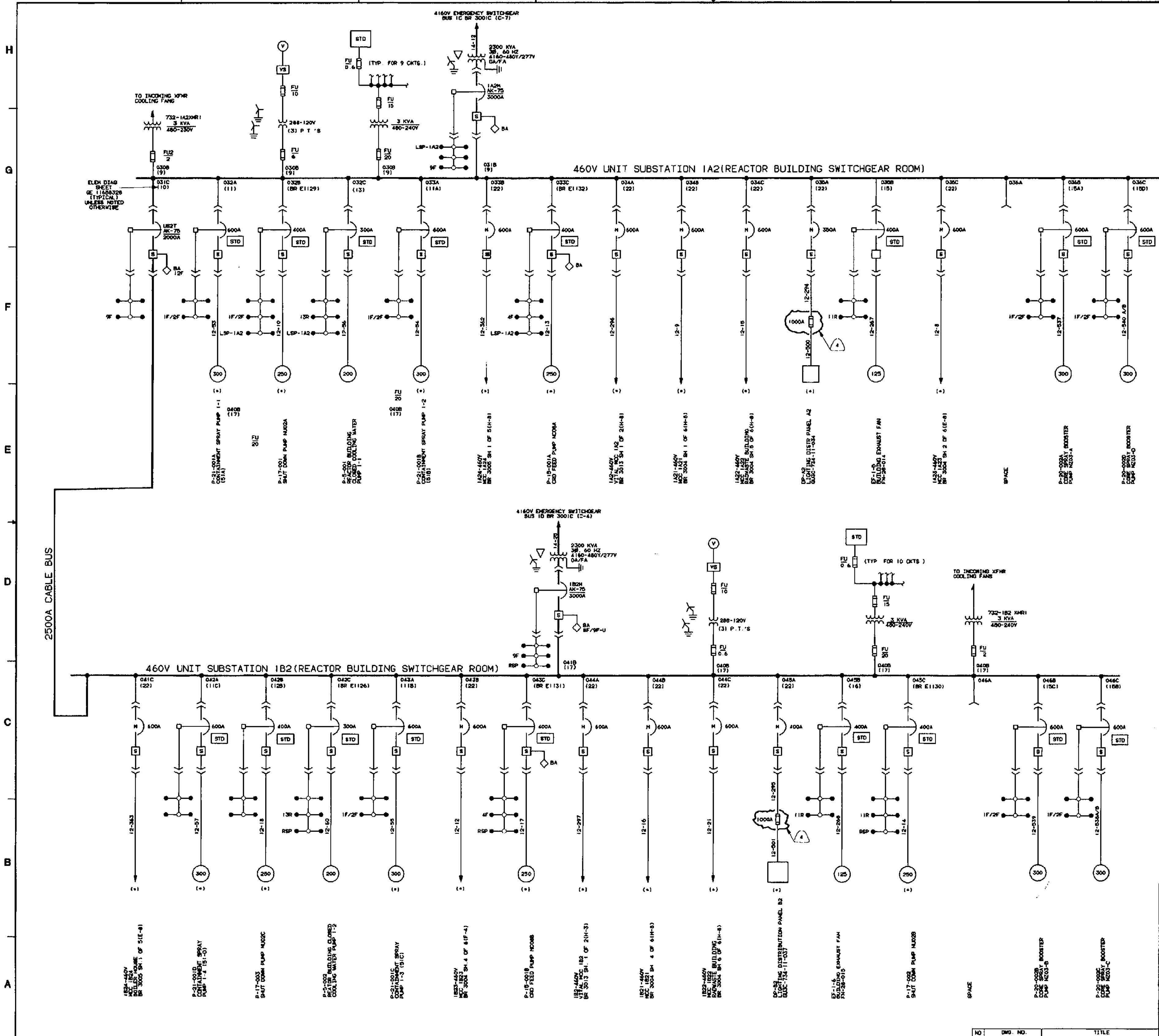
480V SYSTEM
ONE LINE DIAGRAM
460V UNIT SUBSTATION 1A1 & 1B1

OYSTER CREEK | DWG. NO. BR 3002 | SH. 1 OF 4 | REV. 8
SCALE: NONE
ENG.MECH. | BA 328259 | TASK

STICK #1

GROUP=OC SUBGRP=GIDZIN SCALE= 0.0000 DRAWID=V3E732110006002-0401
DATE= 6/19/92 TIME=13.57 ACCESS=NONE
LOGON ID=NDJ66
PLOT= 1

REVISIONS		
REV	ZONE	DESCRIPTION
4		FCNC101304



NOTES:

1. SEE DWG GU3E-700-10-010 FOR SYMBOLS
2. ALL MANUAL OPERATED BREAKERS ARE AK-50. ALL ELECTRICALLY OPERATED FEEDER BREAKERS (MOTOR FEEDERS) ARE AK-50 AND ARE INTERCHANGEABLE WITH AKS-50 STYLE BKRS. ALL AK-75 BREAKERS (MAIN BKR'S & TIE BKR ARE INTERCHANGEABLE WITH AKR-75 STYLE BREAKERS.
3. 460V BUS TIE BREAKER MUST BE INTERLOCKED WITH INCOMING BREAKERS TO AVOID EXCEEDING INTERRUPTIN CAPACITY
4. (+) WILL MARK ALL EQUIPMENT NOT VERIFIED DUE TO HIGH RADIATION OR PLANT CONDITIONS

CAD FILE V3E.732.11.0006.002-.0401
THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE IT MANUALLY

REVISION 0 OF THIS DRAWING WAS REDRAWN FROM BR 3002, REV. 28.

NO	DWG. NO.	TITLE
REFERENCES		

JOSEPH GIDZINSKI 6-1-92
DRAWN R.C. Hetrick DATE 6/12/92
CHECKED DATE 6/24/92
DESIGN LEADER N/A DATE
ENGINEER DATE 6-25-92
MANAGER APPROVAL DATE

GPU Nuclear/BR

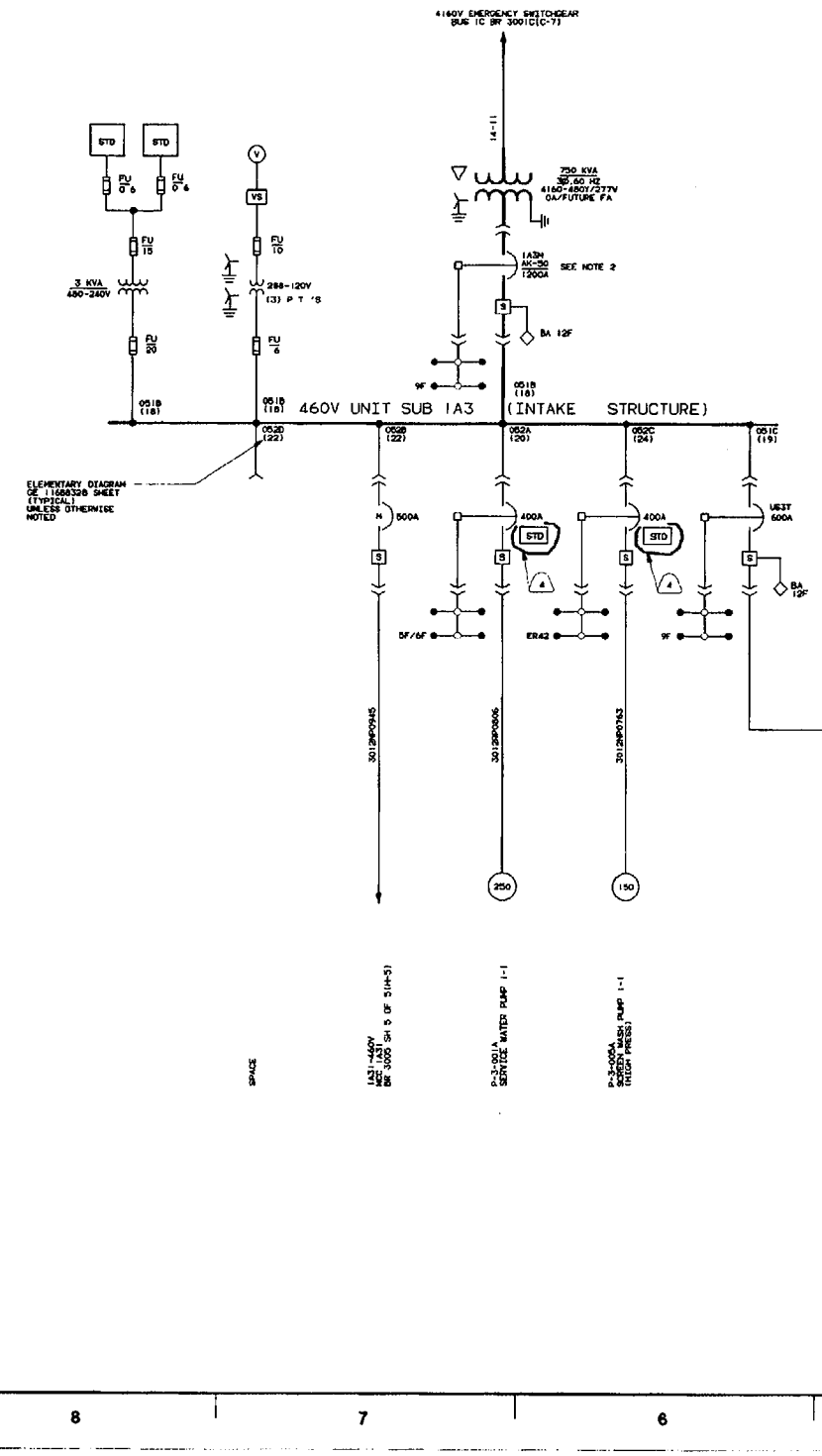
480V SYSTEM
ONE LINE DIAGRAM
460V UNIT SUBSTATION 1A2 & 1B2

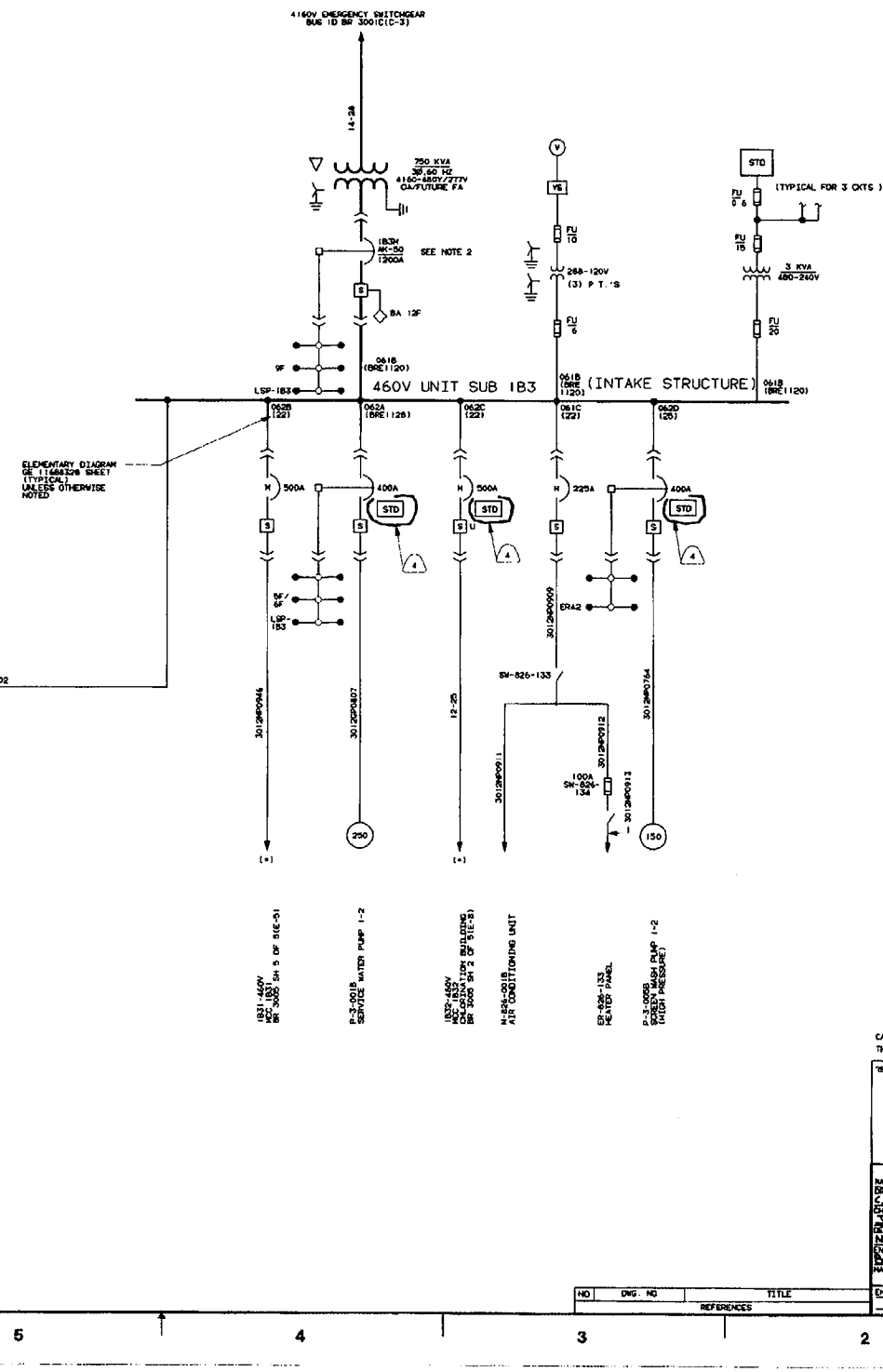
DWG NO BR 3002 | SH. 2 OF 4 | REV. 4
SCALE: NONE
ENG MECH
BA 328259
TASK

25

STICK 1

REVISIONS		
REV	ZONE	DESCRIPTION
4		FCNC077954





NOTES:

1. SEE DWG GUDE-700-10-010 FOR SYMBOLS
2. ALL MANUAL BREAKERS ARE AK-25. ALL AK-50 BREAKERS ARE INTERCHANGEABLE WITH AKD-50 STYLE BREAKERS
3. 460V BUS TIE BREAKER MUST BE INTERLOCKED WITH INCOMING BREAKERS TO AVOID EXCEEDING INTERRUPTING CAPACITY
4. (*) WILL MARK ALL EQUIPMENT NOT VERIFIED DUE TO HIGH RADIATION OR PLANT CONDITIONS

CAD F .E V3E,732.11,0006,002-.040!
THIS IS A COMPUTER GENERATED DWG DO NOT REVISE IT MANUALLY

'REVISION 0 OF THIS DRAWING WAS REDRAWN FROM BR 3002, REV. 7'.

NANCY A. CARLSON 1-8-92 DRAWN DATE	GPU Nuclear/BR	
C. HINCHLIFFE 1/3/92 CHECKED DATE	480V SYSTEM ONE LINE DIAGRAM	
DESIGN LEADER DATE	460V UNIT SUBSTATION 1A3 & 1B3	
N.A. ENGINEER DATE	DWG NO	SH / REV
MANAGER APPROVAL DATE	OYSTER CREEK BR 3002	3 OF 4 / 4
	SCALE NONE	
	ENG MECH	BA 328259 TASK

NO	DWG NO	TITLE
REFERENCES		

BR 3002 SH 3 OF 4