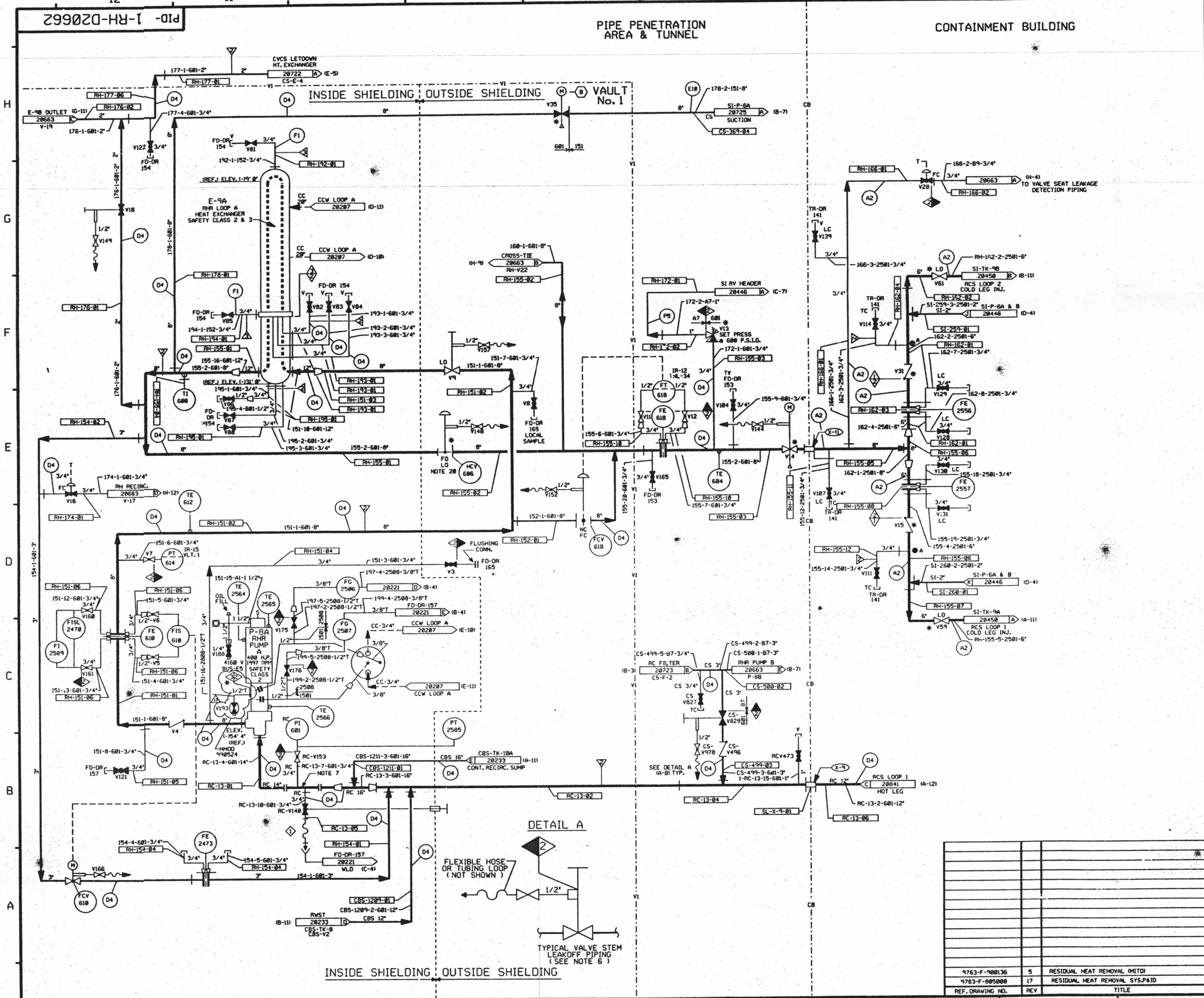
FOR INFORMATION ONLY



FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

◇1 FURTHER ENGINEERING EVALUATION TO EFFECT ECA 99/115181C.

LEGEND

		DESIGN PRESSURE	TEST PRESSURE	MIN. TEST TEMP° F	TEST MEDIUM
	TEST BOUNDARY				
(A2)	INTEGRITY TEST	2485 PSIG	3106/3292 PSIG	35	D.M. WATER
(D4)	INTEGRITY TEST	600 PSIG	750/795 PSIG	35	D.M. WATER
(E10)	INTEGRITY TEST	220 PSIG	275/291.5 PSIG	35	D.M. WATER
(F1)	INTEGRITY TEST	150 PSIG	187.5/199 PSIG	35	D.M. WATER
(P5)	INTEGRITY TEST (IS)	15 PSIG	18/22.5 PSIG	35	AIR
(N)	NO TEST REQUIRED				

NOTE:
- A. VENTS & DRAINS (ASME CL. 2 & 3) SHALL BE TESTED TO THE LAST ISOLATION VALVE.
- B. ASME (D4) TEST IS EXTENDED TO THE ANSI PORTION PER MM-13001A.
- C. RELIEF VALVE DISCHARGE PIPING FOR VALVE V13 MUST BE FILLED WITH WATER TO IT'S MAXIMUM EVEVATION DURING PRESSURE TESTING.
- D. FOR ASME THAT HAVE THE HYDROSTATIC TEST UNDER ANSI B31.1 CRITERIA, THE TEST DOES NOT OVERSTESS PIPING SYSTEM PER THE STRESS REPORT.

NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20660 & 20663. PORTIONS OF THIS DRAWING ARE DUPLICATED ON DRAWINGS SI-20448 & SI-20449 DUE TO DUAL SYSTEM FUNCTIONS.
2. ALL LINES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX RH, UNLESS NOTED OTHERWISE.
3. DELETED.
4. ● INDICATES 3/8" FLOW RESTRICTOR INSTALLED. SEE APPLICABLE DETAIL ON DRAWING 1-RC-20848.
5. DELETED.
6. REFER TO DRAWING VSL-20774 FOR VALVE LEAKOFFS.
7. PERMANENT SPOOL PIECE INSTALLATION SHOWN TEMP. STRAINER IS USED IN PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION. STRAINER TO BE REMOVED BEFORE START-UP.
8. INSTRUMENTATION:
   (B) INTERLOCKED WITH SI-V89, SI-V90, SI-V93, (DWG. 20446) CBS-V8, (DWG. 20233) RC-V22, & RC-V23, (DWG. 20841)
9. VENTS, DRAINS, TEST CONN. & ORIFICE TAP PIPING CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111, UNLESS NOTED OTHERWISE.
10. DELETED.
11. DELETED.
12. △ - INDICATES REVISION LEVEL
13. DELETED
14. CLEANLINESS CLASS "B".
15. DELETED
16. ✱ INDICATES VALVE SUPPLIED BY WESTINGHOUSE
17. SYSTEM DESCRIPTION NO. NAH NCH-283
18. DELETED
19. DELETED
20. HANDJACK HANDWHEEL LOCKED OPEN EXCEPT DURING MIDLOOP.

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
13	11/2/99	DWS	—	M/W	[illegible]	IWS	INCORP. MMOD 990524 DCN#00
12	4/10/95	BCL	—	DWS	MPW	JMC	INCORP. DCR 89-54 CA-0
11	5/27/94	BCL	—	DWS	MPW	DMO	INCORP. MMOD 91-555 CA-02
10	3/25/94	BCL	—	MRB	BCL	GRM	INCORP. MMOD 92-552 CA0
9	10/5/92	MRB	—	DWS	BCL	DPM	INCORP. MMOD 92-536 CA0
8	4/17/90	MRB	—	DWS	BCL	RRB	INCORP. MMOD 91-515 CA0
7	1/10/90	GPM	RMC	PAL	MRB	RRC	INCORP. DCR 87-136 CA11, 89-13 CA03 AND DRAWING ENHANCEMENT
6	9/6/89	MRB	RMC	APL	BCL	WFD	INCORP. DCR 87-422 CA 08, DCR 89-13 CA 02 & DCR 88-32 CA 0 DELETED NOTE 15
5	2/2/89	GPM	JM	MRB	APL	GRM	INCORPORATED DCR 87-274, CA0 REVISED: VALVE V140 & OPERATOR SYMBOL PER LEGEND 2
4	10/30/87	GPM	RMC	DWS	BCL	PAG	INCORP. DCR 86-651 & DCR 87-349; REV'D PIPING TO REFLECT AS INSTALLED CONF. CLARIFY REDUNDANT SYS. DUPLICATION CONT DWG'S, NOTE 1,4,6& 9, LEGEND NOTE A PER 9763-F-900000, ADDED: DETAIL "A" NOTE FOR VALVE CS-V978, NEW FLOW RESTRICTOR INDICATOR SYM. OPEN ITEM NO. 1, ALPHA DESIG. FOR TEST NOTE, NEW NOTES B,C & D & SPEC BRK DELETED: NOTES 3,5,10,11 & 14,18 & 19, REF. DWG'S, PIPING CODE BRK'S PER NOTE 9, INCOMPLETE ITEM, REDUNDANT PIPING, CONT. DWG'S & NNS-I CL BOUNDARY
3	03/12/87	OPO	DWS	MRJ	BCL	VWS	CORRECTED DRAFTING ERROR
2	11/26/86	MRJ	TAK	WRD	BCL	RRC	REVISED RC-V153 TO BE SHOWN OPEN PER LOOP DIA. 506650, ADDED NOTE 7 TO BODY OF DWG. PER UE&C P&ID.
1	10-17-86	MRJ	NLM	MAP	VNK	RRC	INCORPORATE NCR 82/8950, ADDED DRAIN PIPING PER ECA 99/115180C ADDED DWG. COORD. REF'S, REF. DWG'S, AND NOTES 18 & 19, DELETED NOTE 13 REMOVED ASME CODE BRKS PER NOTE 9, ADDED MITD REF. DWG'S, ADDED VALVE NO'S PER UE&C P&ID, ADDED ISO. DWG'S, REARRNG'D VAULT AREA PER SHIELDING

REF. DRAWING NO.	REV	TITLE
9763-F-900136	5	RESIDUAL HEAT REMOVAL (MITD)
9763-F-805008	17	RESIDUAL HEAT REMOVAL SYS. P&ID

North Atlantic Energy Service Corporation

SEABROOK STATION

RESIDUAL HEAT REMOVAL SYS.
TRAIN A
DETAIL

PID- 1-RH-D20662

11/2/99

D-58