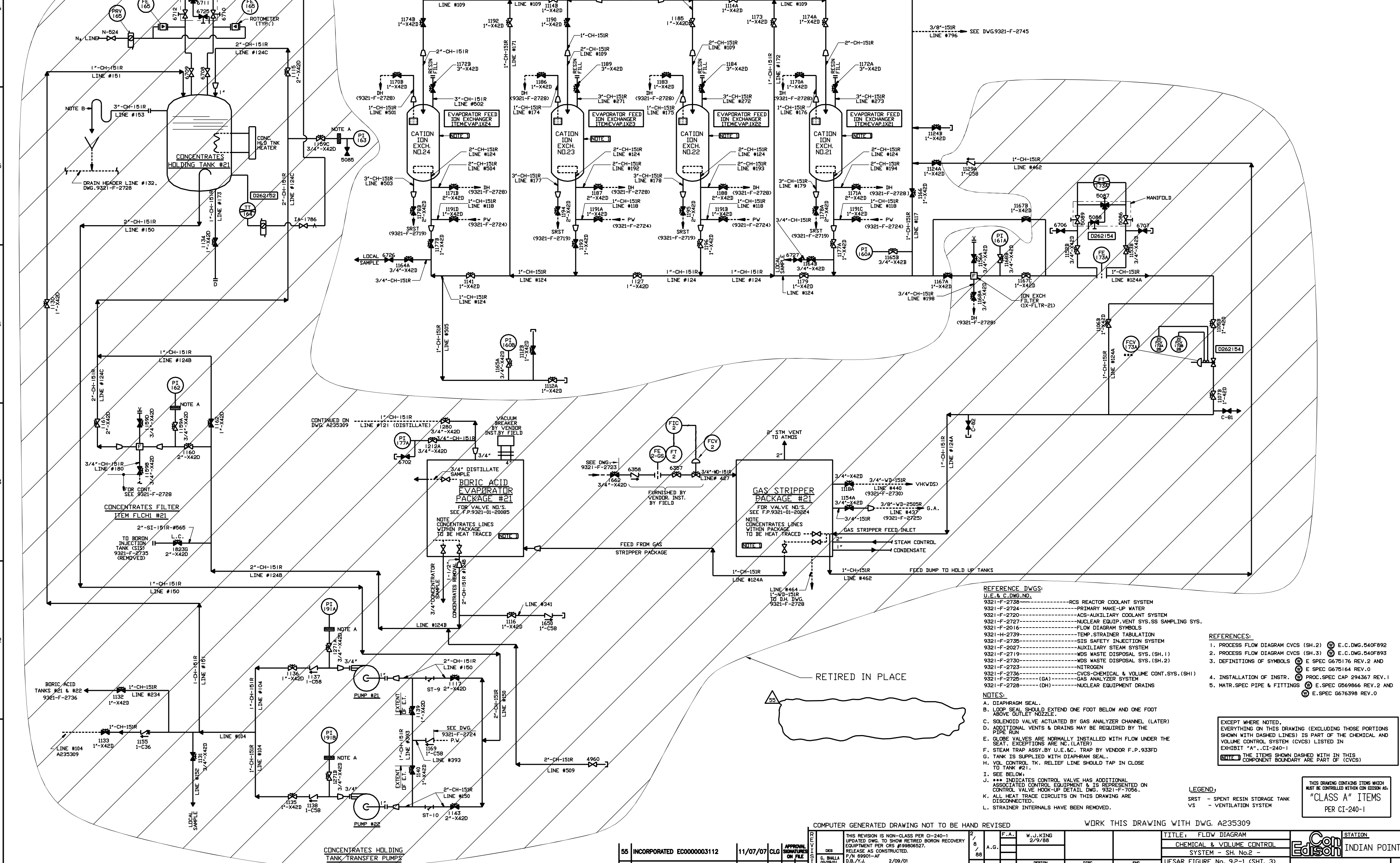
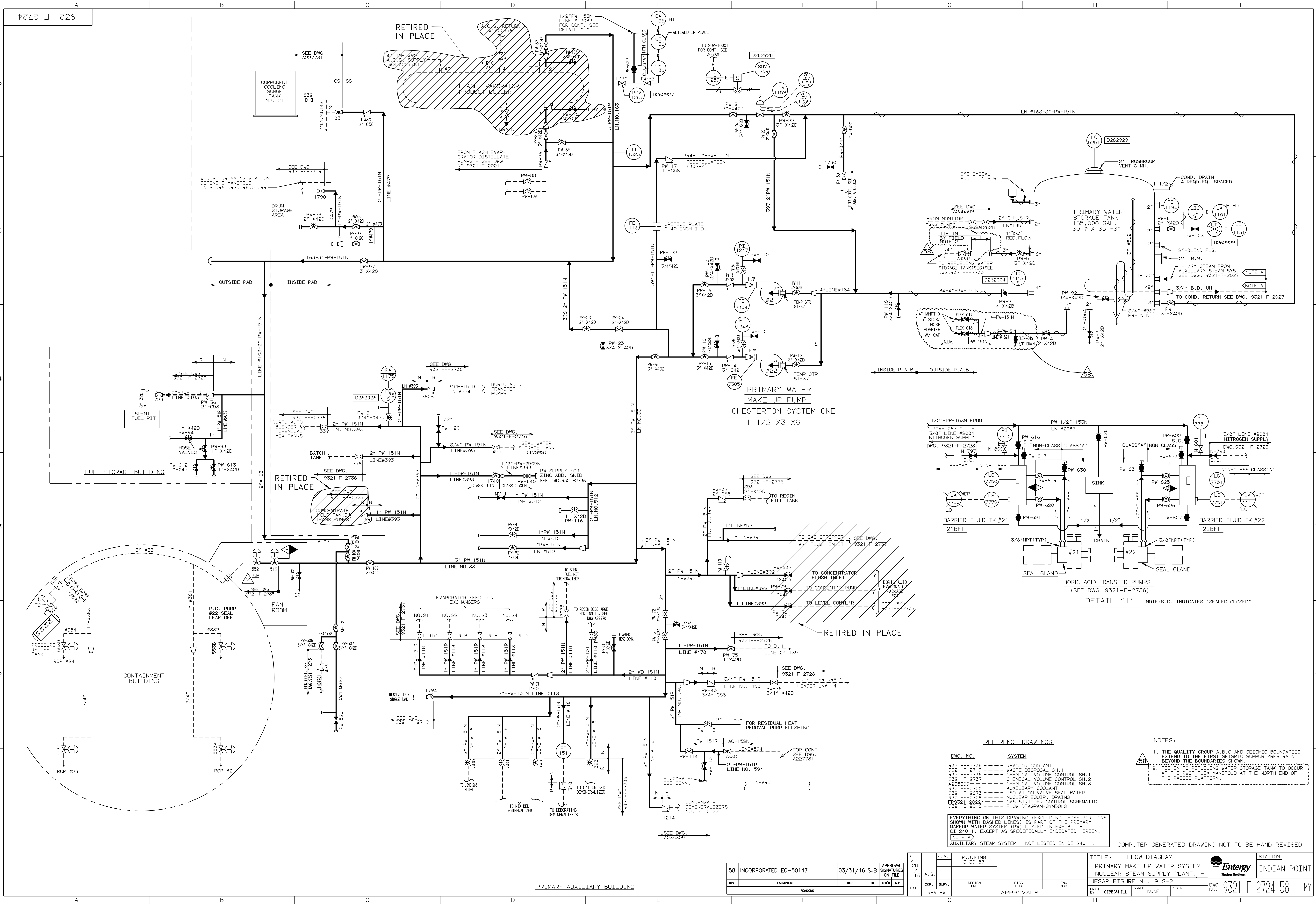


9321-F-2737





REFERENCE DRAWINGS


DWG. NO.	SYSTEM
9321-F-2738	REACTOR COOLANT
9321-F-2719	WASTE DISPOSAL SH.1
9321-F-2736	CHEMICAL VOLUME CONTROL SH.1
9321-F-2737	CHEMICAL VOLUME CONTROL SH.2
A235309	CHEMICAL VOLUME CONTROL SH.3
9321-F-2720	AUXILIARY COOLANT
9321-F-2673	ISOLATION VALVE SEAL WATER
9321-F-2728	NUCLEAR EQUIP. DRAINS
FP9321-20624	GAS STRIPPER CONTROL SCHEMATIC
9321-C-2016	FLOW DIAGRAM-SYMBOLS

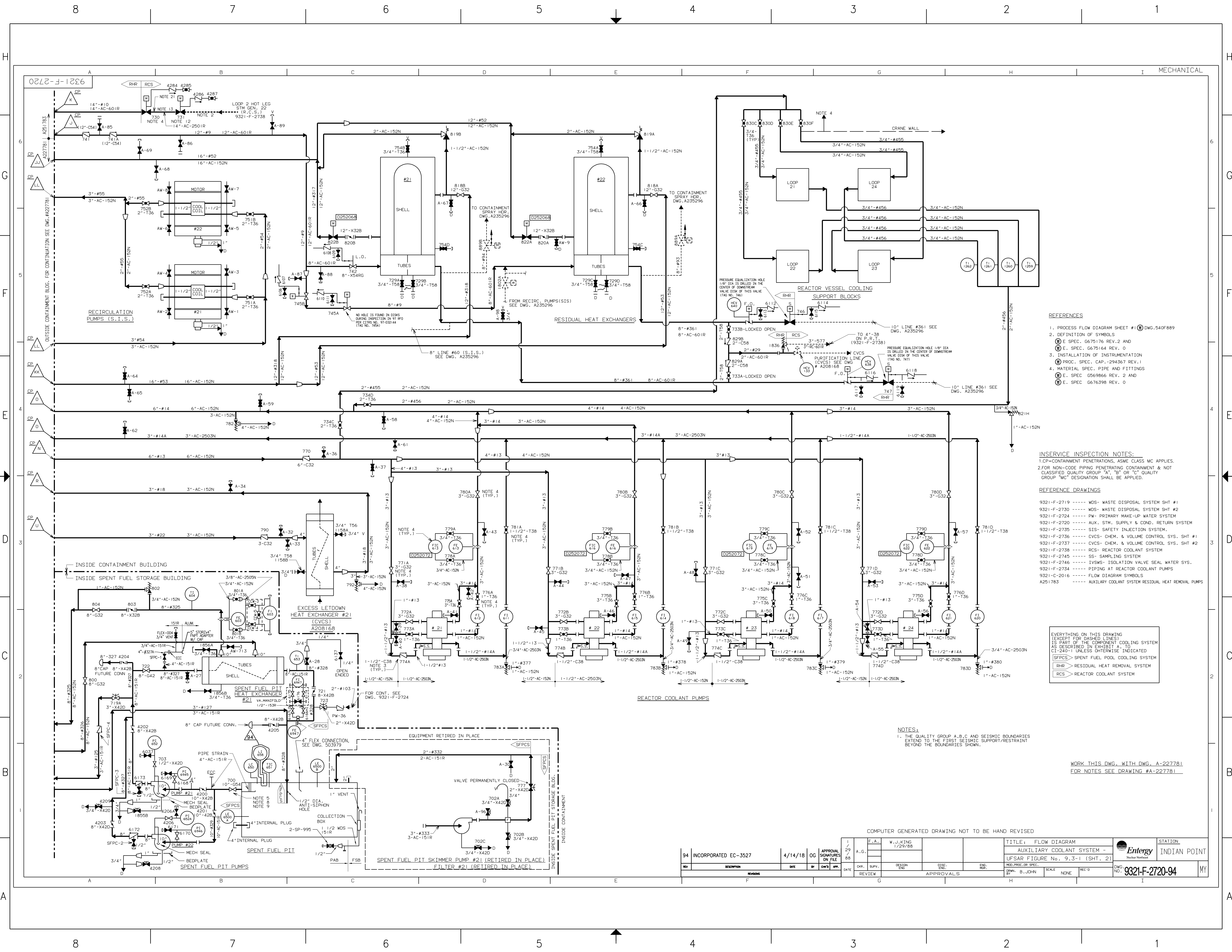
EVERYTHING ON THIS DRAWING (EXCLUDING THOSE PORTIONS SHOWN WITH DASHED LINES) IS PART OF THE PRIMARY MAKEUP WATER SYSTEM (PW) LISTED IN EXHIBIT A, CI-240-1, EXCEPT AS SPECIFICALLY INDICATED HEREIN.
NOTE: A
AUXILIARY STEAM SYSTEM - NOT LISTED IN CI-240-1.

NOTES

1. THE QUALITY GROUP A,B,C AND SEISMIC BOUNDARIES EXTEND TO THE FIRST SEISMIC SUPPORT RESTRAINT BEYOND THE BOUNDARIES SHOWN.
2. TIE-IN TO REFUELING WATER STORAGE TANK TO OCCUR AT THE FIRST FLEX MANIFOLD AT THE NORTH END OF THE RAISED PLATFORM.

COMPUTER GENERATED DRAFT NOT TO BE HAND REVISED

58 INCORPORATED EC-50147		03/31/16	SJB	APPROVAL SIGNATURES ON FILE	3/28/87	F.A.G.	3-30-87	PRIMARY MAKE-UP WATER SYSTEM NUCLEAR STEAM SUPPLY PLANT, -		 INDIAN POINT		
REV	DESCRIPTION	DATE	BY	CHKD	APP.	DATE	CHK.	SUPV.	DESIGN ENG.	DISC. ENG.	END. MGR.	
REVISIONS						DATE	REVIEWS				APPROVALS	
							DWY. BY	GIBBSHILL	SCALE	NONE	REC'D	
							DWG. NO.	9321-F-2724-58				MY



REFERENCES

1. PROCESS FLOW DIAGRAM SHEET #1 (DWG. 540F889)
2. DEFINITION OF SYMBOLS
3. E. SPEC. 6676164 REV. 2 AND
4. E. SPEC. 6676164 REV. 0
5. PROC. SPEC. CAP.-294367 REV. 1
6. MATERIAL SPEC. PIPE AND FITTINGS
7. E. SPEC. 0569866 REV. 2 AND
8. E. SPEC. 6676398 REV. 0

INSERVICE INSPECTION NOTES:

1. CP=CONTAINMENT PENETRATIONS, ASME CLASS MC APPLIES.
2. FOR NON-CODE PIPING PENETRATING CONTAINMENT & NOT CLASSIFIED QUALITY GROUP "A," "B" OR "C" QUALITY GROUP "MC" DESIGNATION SHALL BE APPLIED.

REFERENCE DRAWINGS

- 9321-F-2719 ---- WDS- WASTE DISPOSAL SYSTEM SHT #1
9321-F-2730 ---- WDS- WASTE DISPOSAL SYSTEM SHT #2
9321-F-2724 ---- PW- PRIMARY MAKE-UP WATER SYSTEM
9321-F-2720 ---- AUX. STM. SUPPLY & COND. RETURN SYSTEM
9321-F-2735 ---- SIS- SAFETY INJECTION SYSTEM
9321-F-2736 ---- CVCS- CHEM. & VOLUME CONTROL SYS. SHT #1
9321-F-2737 ---- CVCS- CHEM. & VOLUME CONTROL SYS. SHT #2
9321-F-2738 ---- RCS- REACTOR COOLANT SYSTEM
9321-F-2745 ---- SS- SAMPLING SYSTEM
9321-F-2746 ---- IVSW- ISOLATION VALVE SEAL WATER SYS.
9321-F-2734 ---- PIPING AT REACTOR COOLANT PUMPS
9321-C-2016 ---- FLOW DIAGRAM SYMBOLS
A251783 ---- AUXILIARY COOLANT SYSTEM RESIDUAL HEAT REMOVAL PUMPS

EVERYTHING ON THIS DRAWING
(EXCEPT FOR DASHED LINES)
IS PART OF THE COMPONENT COOLING SYSTEM
AS DESCRIBED IN EXHIBIT A, TO
CI-240-1 UNLESS OTHERWISE INDICATED

[SFPCS] SPENT FUEL POOL COOLING SYSTEM
[RHR] RESIDUAL HEAT REMOVAL SYSTEM
[RCS] REACTOR COOLANT SYSTEM

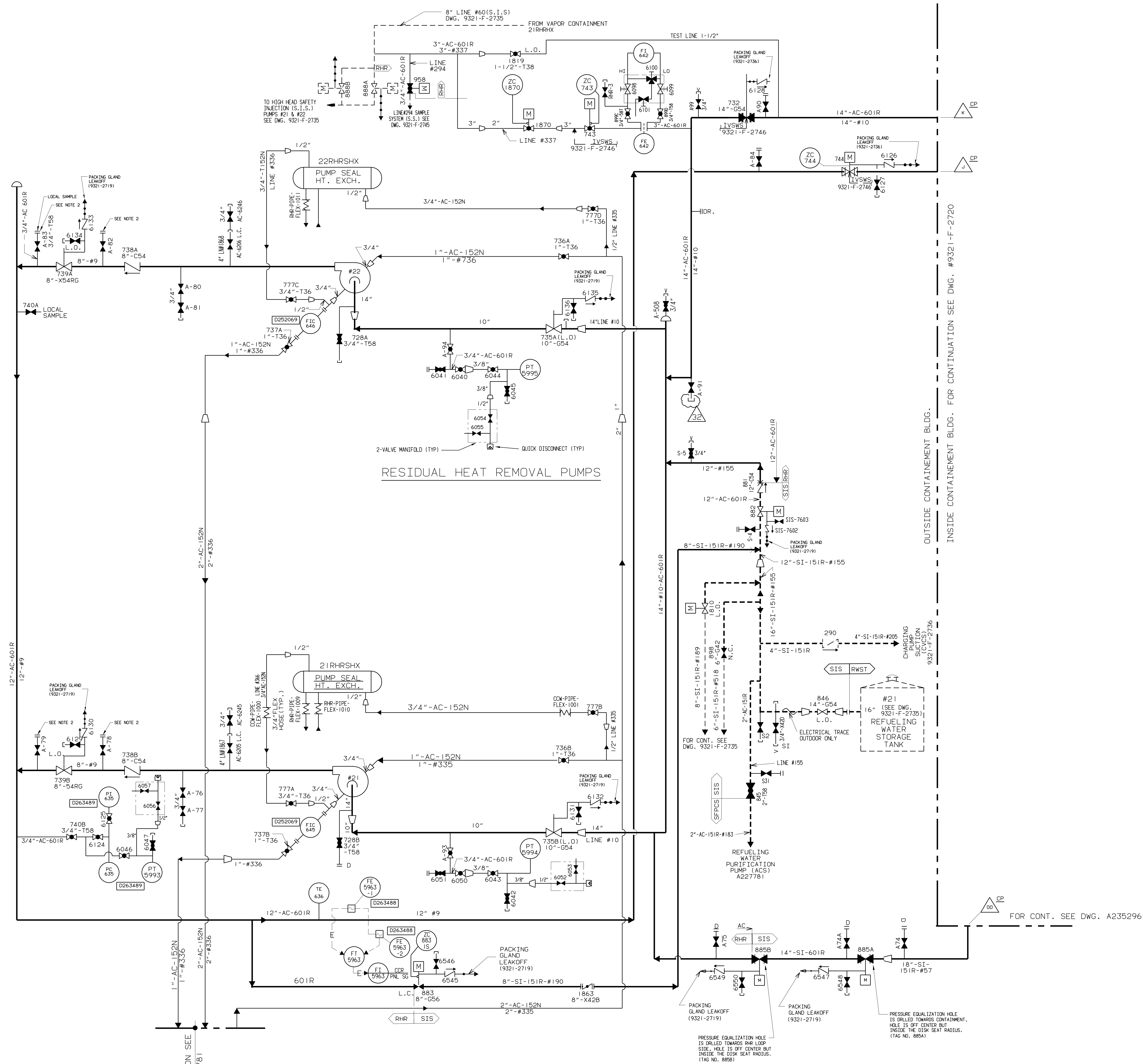
NOTES:

1. THE QUALITY GROUP A,B,C AND SEISMIC BOUNDARIES EXTEND TO THE FIRST SEISMIC SUPPORT/RESTRAINT BEYOND THE BOUNDARIES SHOWN.

WORK THIS DWG. WITH DWG. A-227781
FOR NOTES SEE DRAWING #A-227781

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

94 INCORPORATED EC-3527		4/14/18	OG	APPROVAL SIGNATURES ON FILE		DATE		DESIGN		APPROVALS		TITLE: FLOW DIAGRAM AUXILIARY COOLANT SYSTEM - UFSAR FIGURE No. 9.3-1 (SHT. 2)		STATION INDIAN POINT	
REV		DESCRIPTION		DATE		BY		CHK'D		DATE		MOD. PROC. OR SPEC.		DWG. NO. 9321-F-2720-94	
94		INCORPORATED EC-3527		4/14/18		OG		APPROVAL SIGNATURES ON FILE		DATE		MOD. PROC. OR SPEC.		DWG. NO. 9321-F-2720-94	



NOTES:

1. THE QUALITY GROUP A,B,C AND SEISMIC BOUNDARIES EXTEND TO THE FIRST SEISMIC SUPPORT/RESTRAINT BEYOND THE BOUNDARIES SHOWN.
2. FLANGES HAVE A 1500# RATING (ONLY WHERE NOTED).

INSERVICE INSPECTION NOTES:

1. CP=CONTAINMENT PENETRATIONS, ASME CLASS MC APPLIES.
2. FOR NON-CODE PIPING PENETRATING CONTAINMENT & NOT CLASSIFIED QUALITY GROUP "A", "B" OR "C" QUALITY GROUP "MC" DESIGNATION SHALL BE APPLIED.

FOR NOTES AND REF. DWGS.
SEE DWG. A227781

THIS DWG. TO BE REVISED ONLY IN AUTOCAD.

REV	DESCRIPTION	DATE	BY	CHKD	APP.
32	INCORPORATED EC-58811	4/6/16	VMR		
REV	DESCRIPTION	DATE	BY	CHKD	APP.

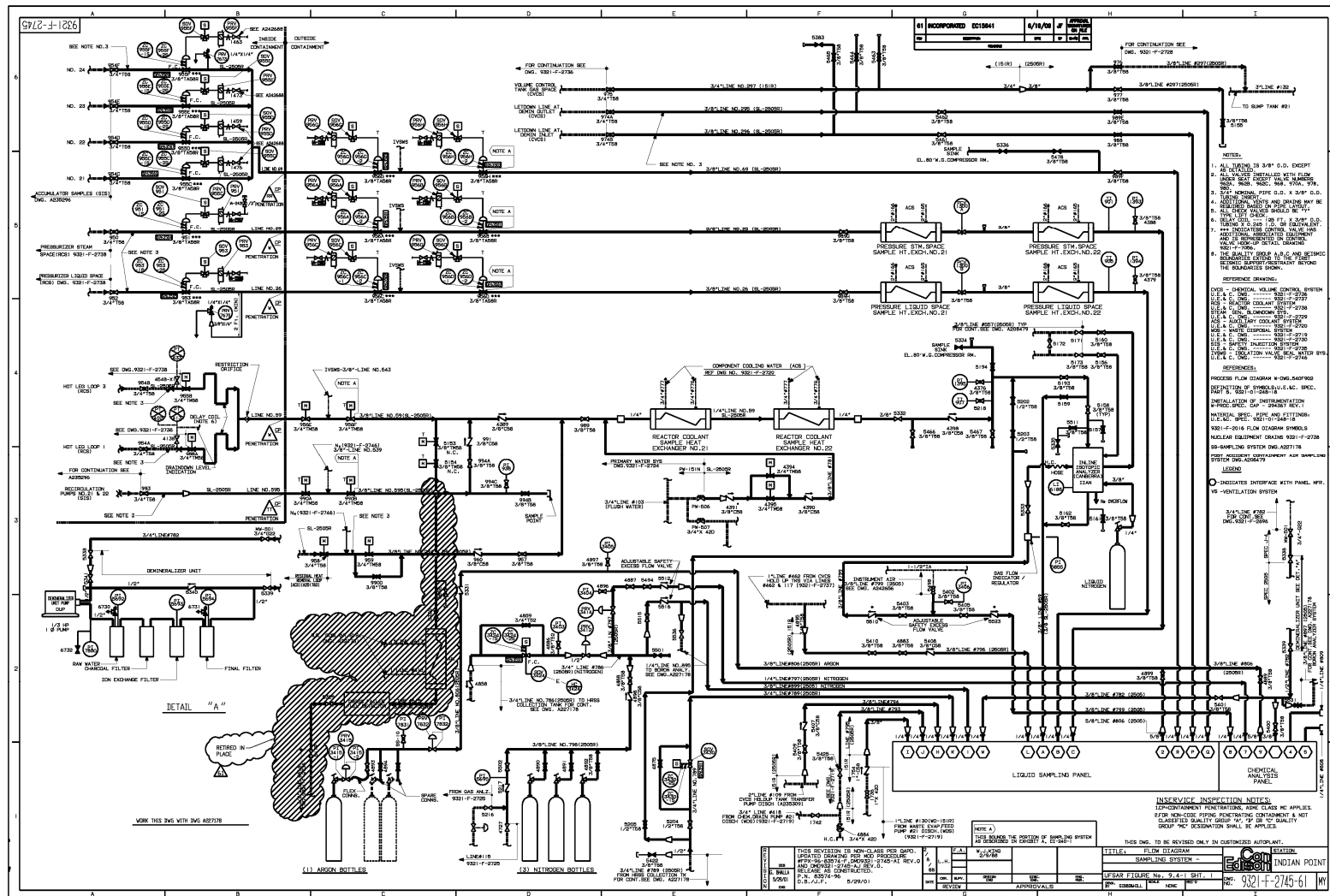
THIS REVISION IS CLASS A PER THE QAPD.
UPDATED DWG TO SHOW THE WORK DONE ON
MOD. PROC. # 17X-91-07049-SH. 61,
& DMD251783-AN REV. 00
RELEASED AS CONSTRUCTED
P.N. 07049-S1

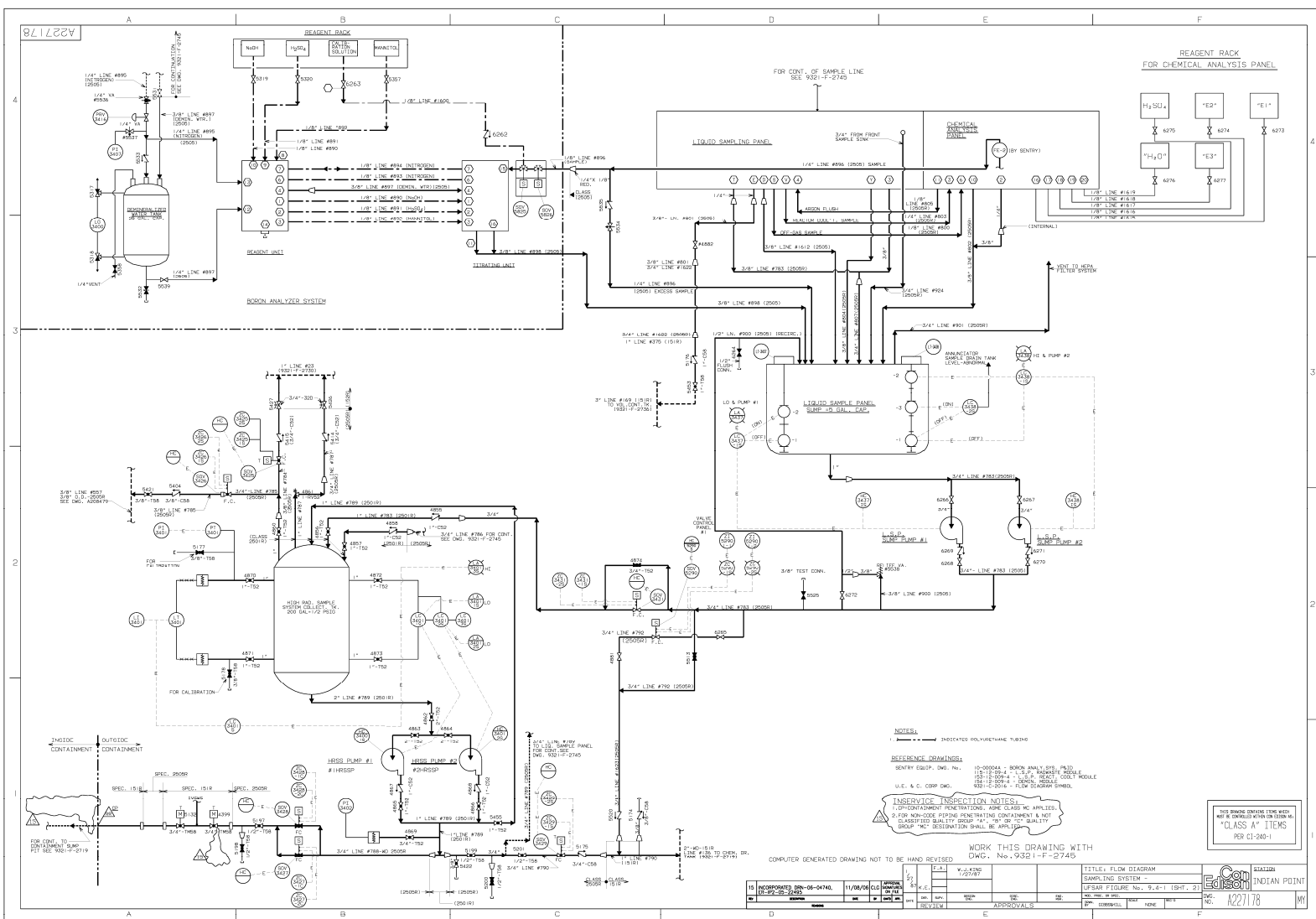
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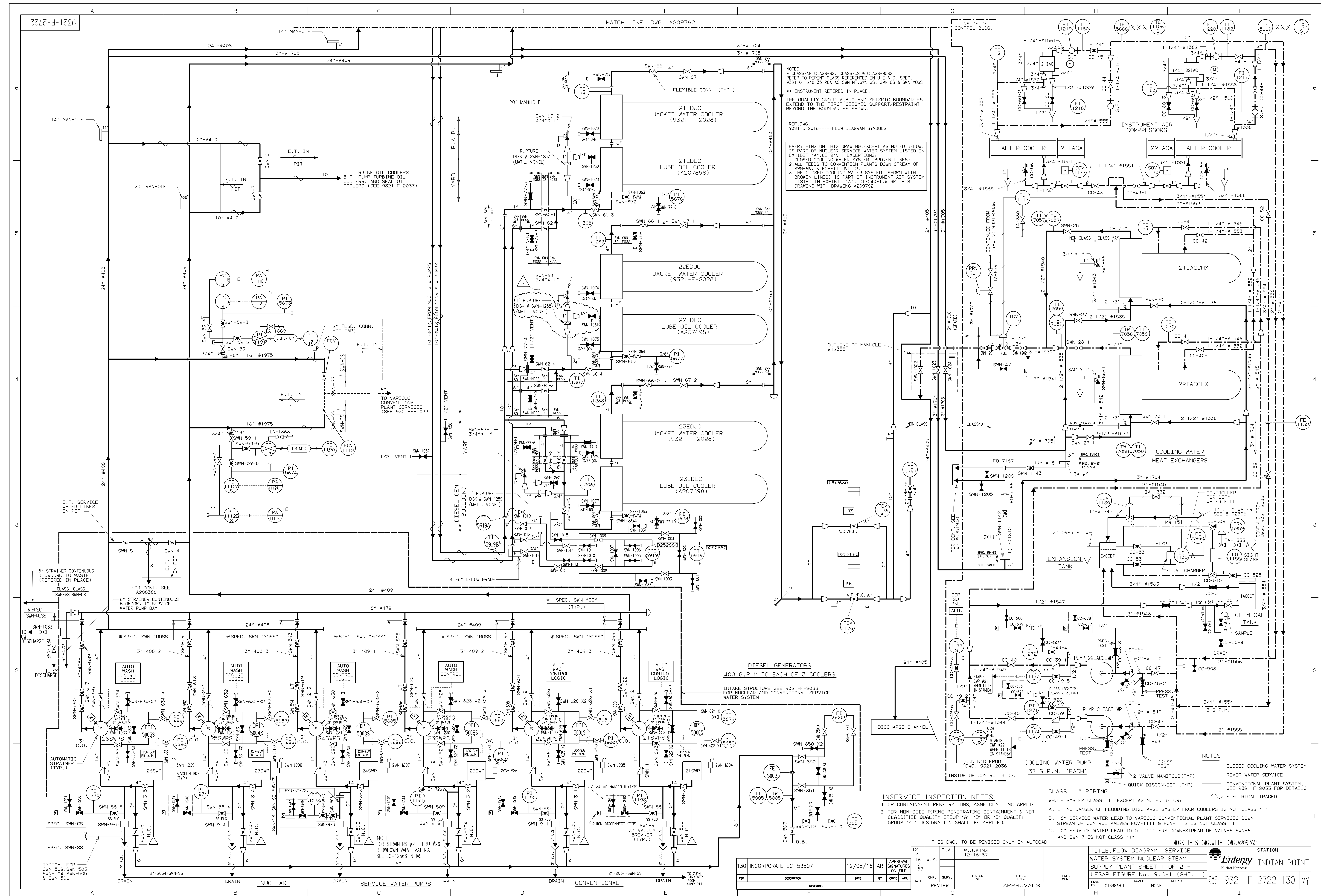
DES	ENG	APP.	DATE
W. J. KING			6-26-92
G. B. J.			

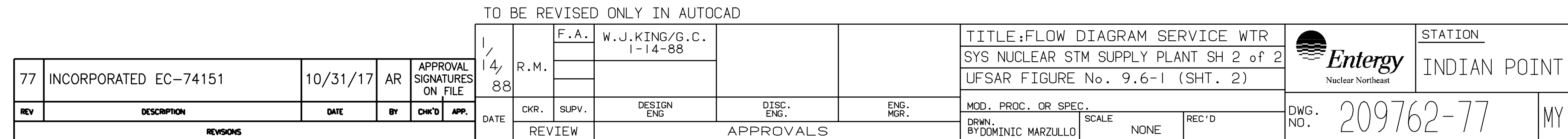
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FLOW DIAGRAM AUXILIARY COOLANT SYSTEM RESIDUAL HEAT REMOVAL PUMPS -	NONE	
UFSAR FIGURE No. 9.3-1 (SHT. 3)		

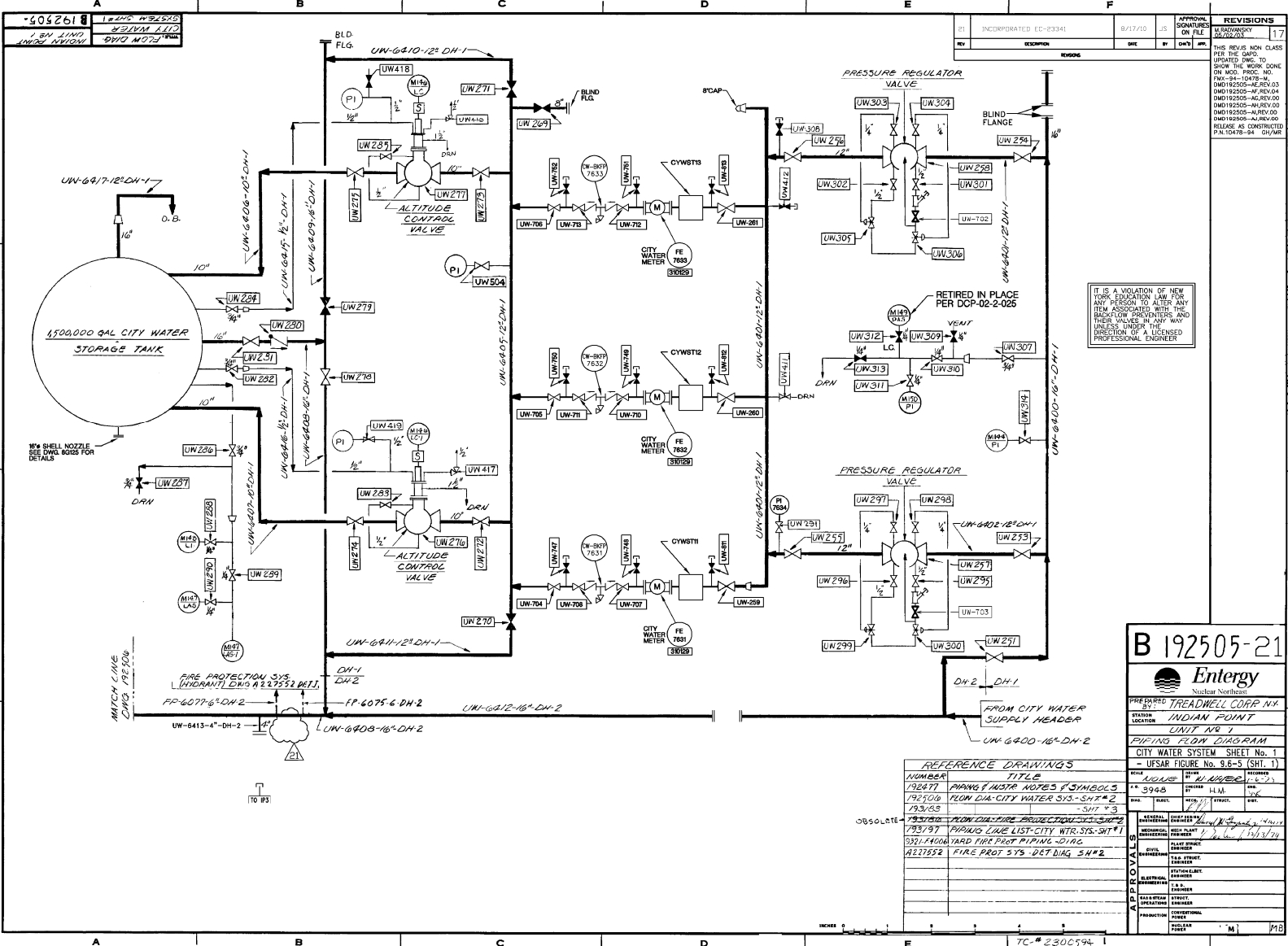
DWG. NO.	STATION
A251783-32	INDIAN POINT

[illegible]









REV	DESCRIPTION	DATE	BY	CHKD	APP'D
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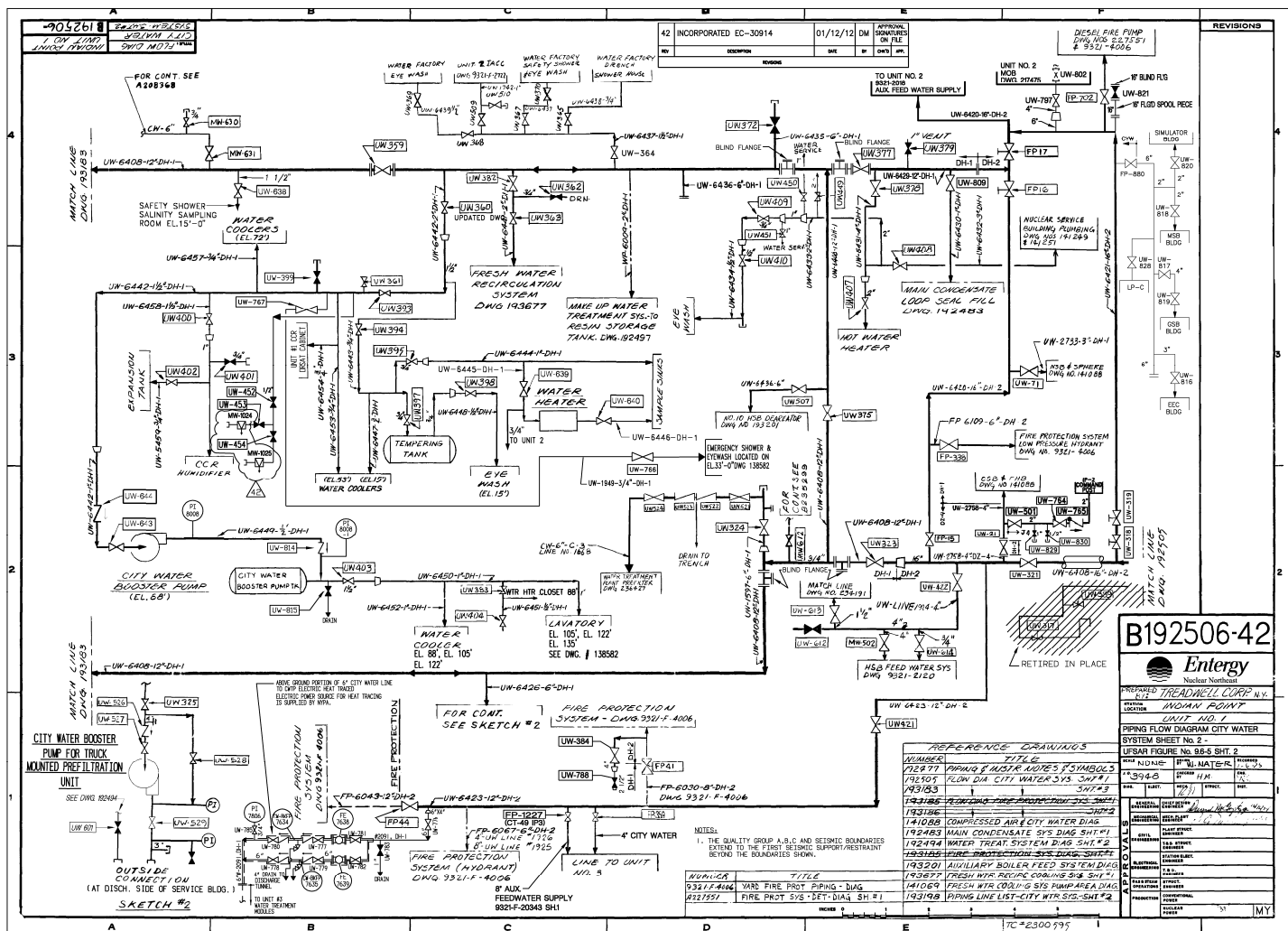
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UPDATED DMC TO
FROM THE WORK DONE
ON MOD. PROC. NO.
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DMO12505-AC-REV.04
DMO12505-AC-REV.05
DMO12505-AC-REV.06
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IT IS A VIOLATION OF NEW YORK EDUCATION LAW FOR ANY PERSON TO ALTER ANY ITEM ASSOCIATED WITH THE BACKLOG PROPERTIES AND THEIR VALVES IN ANY WAY UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER

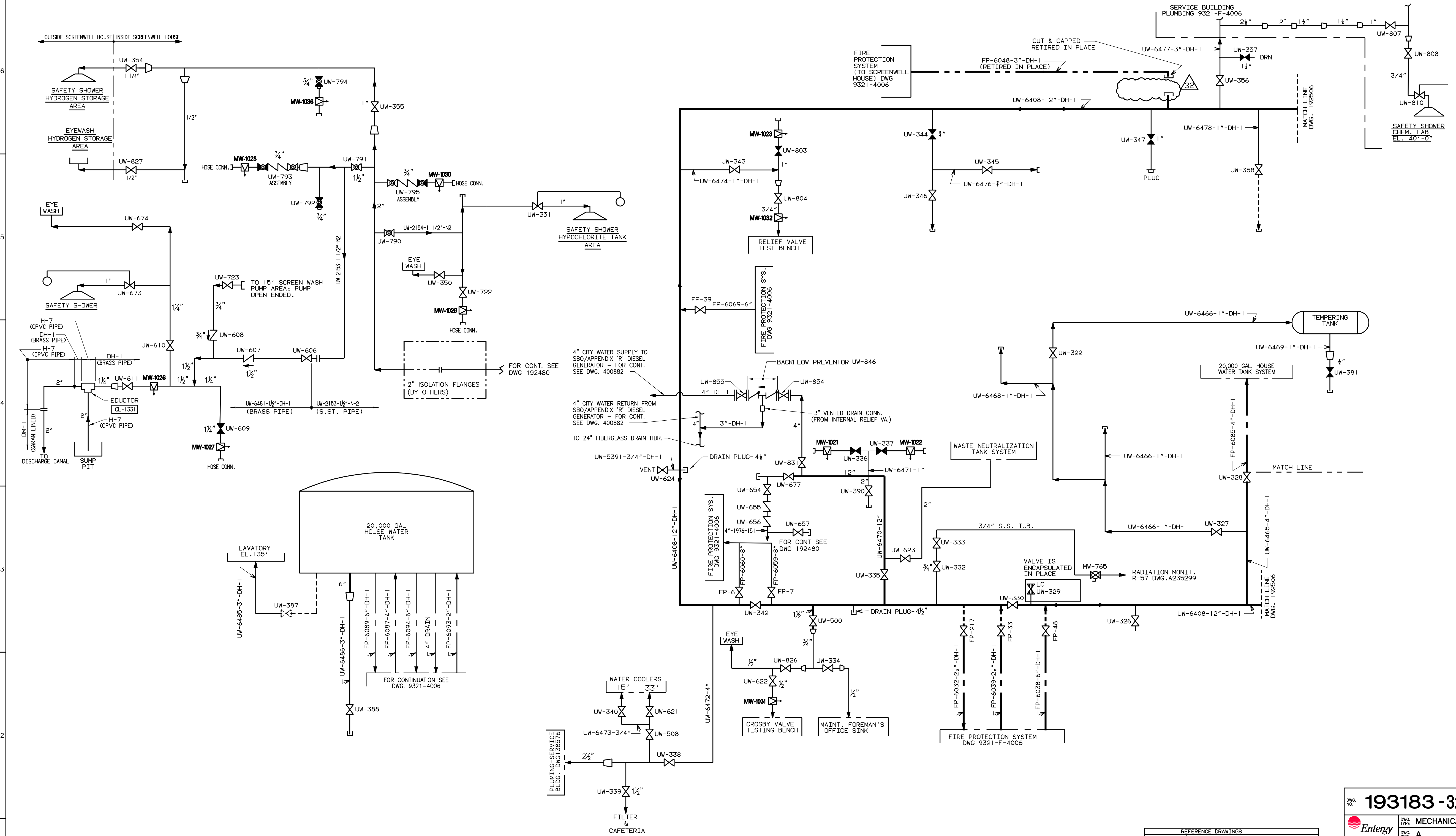
B 192505-21

Treadwell Corp. N.Y.		
INDIAN POINT		
UNIT NR 1		
CITY WATER SYSTEM SHEET No. 1		
UFSAR FIGURE No. 9.5-5 (SHT. 1)		
DATE	NOV 11 1973	
BY	JS	
CHKD	JS	
APP'D	JS	
REVISIONS		
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NUMBER	TITLE
192477	PIPING & INSTR. NOTES & SYMBOLS
192505	PIPING DIA. CITY WATER SYS. - SHT. #2
193/85	PIPING DIA. CITY WATER SYS. - SHT. #3
193/86	PIPING DIA. CITY WATER SYS. - SHT. #4
193/87	PIPING DIA. CITY WATER SYS. - SHT. #5
193/88	PIPING DIA. CITY WATER SYS. - SHT. #6
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194/80	PIPING DIA. CITY WATER SYS. - SHT. #98
194/81	PIPING DIA. CITY WATER SYS. - SHT. #99
194/82	PIPING DIA. CITY WATER SYS. - SHT. #100



32	INCORPORATED EC-61288	01/29/16	VMR	APPROVAL SIGNATURES ON FILE
REV	DESCRIPTION	DATE	BY	CHK
REVISED				



REFERENCE DRAWINGS	
NUMBER	TITLE
192477	PIPING & INSTR. NOTES & SYMBOLS
192505	FLOW DIA-CITY WATER SYS.-SHT#1
192506	FLOW DIA-CITY WATER SYS.-SHT#2
192490	RIVER WTR SERVICE SYS DIAG.-SHT#1
192482	MAIN CONDENSER CIRC. WATER DIAG.
192483	MAIN CONDENSATE CIRC. DIAG.-SHT#1
192484	CONDENSATE CIRC. DIAG.-SHT#2
192486	CONDENSATE RETURN SYS. DIAG.-SHT#1
192489	CONDENSER AIR REMOVAL DIAG.
193199	PIPING LINE LIST CITY WATER SYS.-SHT#3
9321-F-4006	YARD FIRE PROT PIPING-DIAG.
A227551	FIRE PROT. SYS.-DET.-DIAG. SH.1
A227552	FIRE PROT. SYS.-DET.-DIAG. SH.2
A227553	FIRE PROT. SYS.-DET.-DIAG. SH.3
A227554	FIRE PROT. SYS.-DET.-DIAG. SH.4
A261568	SCREEN WELL HOUSE #1 EL. 560'

DWG. NO. 193183-32

Entergy

DWG. TYPE MECHANICAL

DWG. SIZE A

LOCATION: INDIAN POINT

TITLE: UNIT No. 1 PIPING FLOW DIAG.
CITY WATER SYSTEM SHEET No. 3
UFSAR Fl. No. 9.6-5 (SHT. 3)

APPROVALS

ENGINEERING MANAGER:

PROJECT ENGINEER:

DESIGNER:

DRAWN BY: M. HEREDIA

SCALE:

DISCIPLINE CODE: MB

