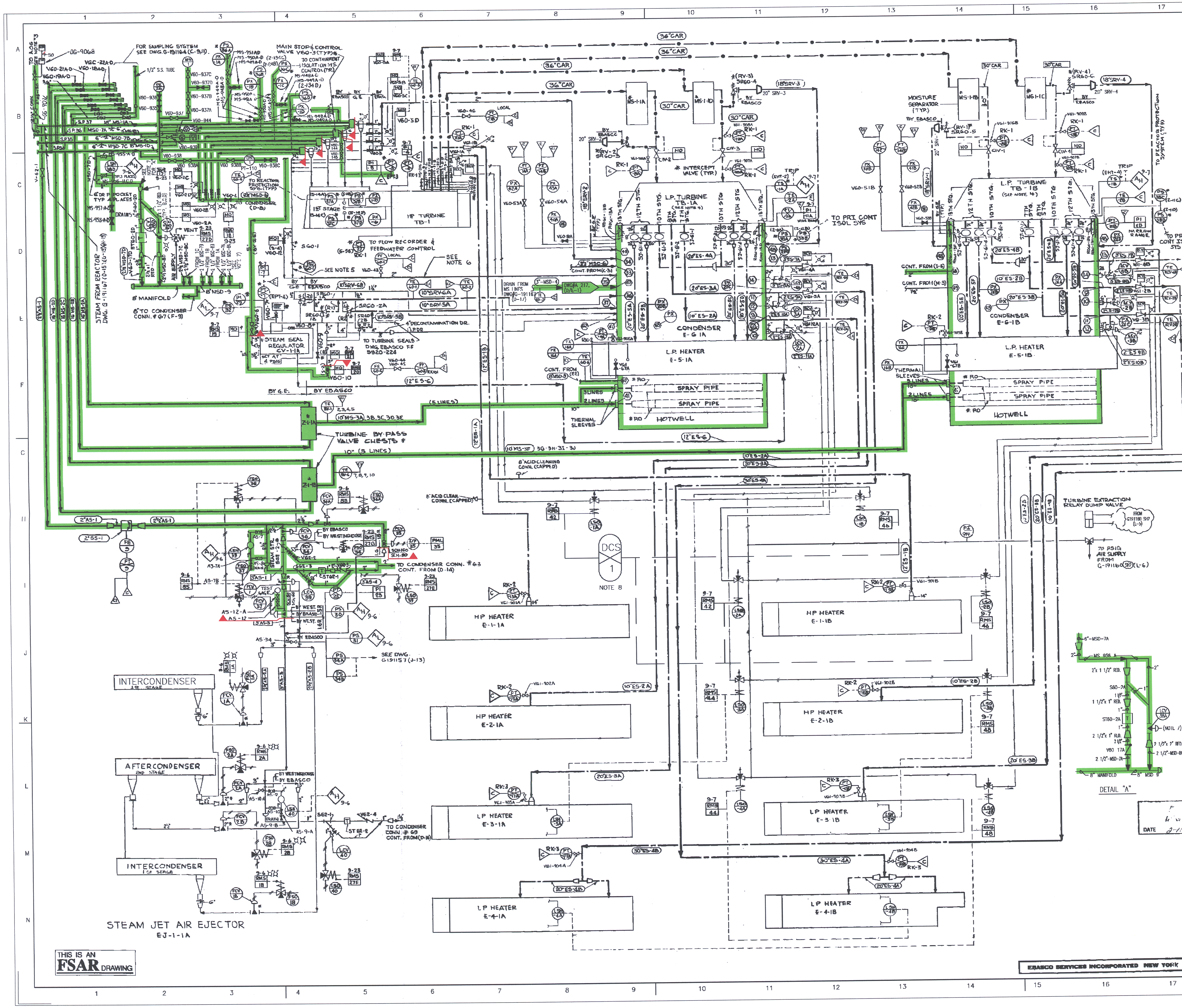

DETAIL "A"

PIPING LINE LIST

LINE NO.	LINE SIZE	PIPE SCH.	PIPE MAT'L	DESIGN PRESS PSIG	DESIGN TEMP °F	EBASCO SPEC PART NO.	LOC'N
MS-1A THRU MS-1D	18	80	CS-5	1250	575		
MS-2A THRU -2D	16	↓	↓	↓	↓	1.5R	(E-2)
MS-3A THRU -3J	10	↓	↓	↓	↓	1.6R	(A-5, G-8)
SS-1	2"	80	316-SS	1250	575		(H-1)
AS-1	3" & 2"	160	CS-5	1250	575	1.5R 1.6R	(J-4)
AS-2A & B	2½"	80	CS-5	1250	575	1.6R	(J-4)
AS-3	3"	80	CS-5	1250	575	1.6R	(J-4)
AS-4	3"	80/160	CS-5	1250	575	1.5R 1.6R	(J-5)
AS	2" & SM	160	CS-5	1250	575	1.6	
MSD-4	3"	160	CS-5	1250	575	1.6R	(D-8)
MSD-6	2½	160	CS-5	1250	575	1.6R	(D-9)
MSD-7A-D	6"/2½"	80/160	CS-5	1250	575	1.5R	(C-1, D-3)
MSD-8A-D	2½	160	CS-5	↓	↓	1.5R	D-3
MSD-9	8	80	CS-5	1250	575	1.6R	E-3 F-9
MSD	2" & SM	160	CS-5	1250	575	1.6	
ES-1A, 1B	12	STD.	LAS-2	325	440	1.6R	(F-7)
ES-2A, 2B	10		LAS-1	180	400	1.6R	(J-9, J-14)
ES-3A, 3B	20	↓	LAS-1	100 & FV	370	1.6R	(L-3, L-5)
ES 4A 4B	20, 30	.375	LAS-1	50 & FV	300	1.6R	(M-3, M-12)
ES-5A THRU -5H	20, 26	.375	LAS-1			1.6R	(L-9, D-6)
ES-6	12	STD	CS-1			1.6R	(F-6)
ES-7A, 7B	3		LAS-1			1.6R	(D-11, D-16)
ES-8A, 8B	3	↓	LAS-1	↓	↓	1.6R	(E-11, E-16)
ES-9A, 9B	2	80	LAS-1	100 & FV	370	1.6R	(E-8, F-16)
ES-10A, 10B	2	80	LAS-1	100 & FV	370	1.6R	(E-11, F-16)
ES-11A, 11B	2	80	LAS-1	150	400	1.6R	(E-11, E-16)
ES-12A, 12B	2	80	LAS-1	150	400	1.6R	(F-9, F-16)
ES	2 & SM	80	LAS-1 LAS-2	—	-	1.6	
SRV-1 THRU SRV-4	18, 20	STD	CS 1	200 & FV	390	1.6	(C-8, B-16)
SRV-5A, 5B	10	STD	CS-1	150 & FV	365	1.6	(E-6)
SRV-6A, 6B	10	STD	CS-1	25 & FV	300	1.6	(E-6)

A PX # 101 VALVE # V60	40A		44A	45A	46A	47A
	51A		55A	56A	57A	58A
B PX # 101 VALVE # V60	42B	43B	44B	45B		47B
	53B	54B	55B	56B		58B

NOTES:

1. UNLESS OTHERWISE NOTED ALL INSTRUMENT AND CONTROL VALVE NUMBERS SHALL BE PREFIXED BY SYSTEM No. 101. FOR EXAMPLE ACTUAL TAGGING SHALL BE LSH-101-4B (LSH -4B)
   TYPE OF INSTRUMENT
   SYSTEM No.
   INST. DESIGNATION No.
2. UNLESS OTHERWISE NOTED, BRANCHES INCLUDING FIRST ISOLATION VALVE, SHALL BE OF SAME MATERIAL AND SPECIFICATION AS HEADERS.
3. FOR CONTINUATION TO ADVANCED OFF-GAS SYSTEM SEE SUNTAC DWG #A-217.
4. FOR LOW PRESSURE TURBINE EXTRACTION PRESSURE TEST CONNECTIONS (PX)/BOROSCOPE INSPECTION PORTS SEE 5920-11385.
5. SEE J.O. 95-0056 FOR PIPE REPLACEMENT INFO.
6. SEE J.O. 96 0202 FOR PIPE REPLACEMENT INFORMATION.
7. SEE DETAIL "A" FOR LCV-101-38A PIPING. AIR SUPPLY, SOLENOID, LIMIT SWITCH AND VALVE OPERATION SAME AS LCV-101-38B,C,D. NORMALLY ENERGIZED SOLENOID AND VALVE FAILS OPEN ON LOSS OF POWER AND/OR AIR SUPPLY.
8. SEE G-191158 FOR DCS-1 INPUTS.

REFERENCE DRAWINGS

PIPING & INSTRUMENT SYMBOLS	G-191155
REACTOR BUILDING - MAIN STEAM & FEEDWATER PIPING - PLANS	G-191180
TURBINE BUILDING - MAIN STEAM & FEEDWATER PIPING - PLANS	G-191182
FLOW DIAGRAM - NUCLEAR BOILER	G-191167
EXTRACTION STEAM PIPING - PLANS	G-191184
DIAGRAM OF STEAM SEAL PIPING - EBASCO F.F	5920-224
MOISTURE REMOVAL PROVISIONS & EXTRACTION DIAGRAM - EBASCO F.F.	5920 568
SAFETY VALVE RELIEF PIPING	G-191273
STEAM PIPING (ST.A.E.) - EBASCO F.F	5920-714

LEGEND:

- MAIN STEAM, AUXILIARY STEAM
- EXTRACTION STEAM
- SAFETY VALVE RELIEF PIPING
- CROSSOVER PIPING REPLACED BY UTILITY
- * FURNISHED BY OTHERS
- EQUIPMENT CONNECTION NUMBER
- PIPING FURNISHED BY OTHERS

DATE 2-11-72

REV	DESCRIPTION	BY	CHKD.	APPD.
36	REVISED PER VYDC 2003-002	9 9 04 NL	9 13 04 WD	9 22 04 EJB
37	REVISED PER CR VTY 2005-1202, JO 2005-0007	4-22-05 PDH	4-25-05 WD	6-1-05 JGR

Entergy

ENTERGY NUCLEAR VERMONT YANKEE
VERNON, VERMONT

DRAWING TITLE: FLOW DIAGRAM MAIN, EXTRACTION & AUXILIARY STEAM SYSTEMS

DRAWING NO. G 191156

EBASCO SERVICES INCORPORATED NEW YORK

THIS IS AN FSAR DRAWING

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

MAIN CONDENSER AND MSIV LEAKAGE PATHWAY AMRM-26

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	8-15-05	.	.	.	.	.

REVISIONS

LRA-G-191156-0

CAD FILE LRA-G-191156_37.DGN

RASTER FILE G-191156_37.TIF

D-06