



- REFERENCE DWG'S
- 737J02(4003-00002) V1 MOISTURE SEPARATOR REHEATER OUTLINE.
  - 734J93(14003-01125) V1 TURB. GEN. OUTLINE.
  - DWG. 9F00055: MAIN STEAM VENTS AND DRAINS.
  - 47070(4003-04-00161) V1 VLV. RIT. CONT. DIAG.
  - 469225(4003-01320) V1 TOS CFT XVER PIPES (VALVES & THERMOWELLS SUPPLIED BY V.).
  - 46730(4003-04-00034) V1 TOS CFT XNDR PIPE (VALVES SUPPLIED BY WESTINGHOUSE.)
  - 9F00022 CONDENSATE SYSTEM P&ID (E-1-E-4-E-6)
  - 466424(4003-03-00011) V1 PPG-STN DRN & GLAND DIAG. & PFC.
  - 745J37-1-2(4003-01307,01308) V1 TURBINE TEST.
  - CT-2428(14003-11-1048) V1 THERMOMETER & THERMOCOUPLE LIST. THERMOMETERS SUPPLIED AND INSTALLED BY WESTINGHOUSE.
  - 46306(17014003-02-01317) V1 VALVE REHEAT SAFETY OUTLINE.
  - FOR PIPING AND INSTRUMENTATION SYMBOLS SEE DRAWINGS 0F00001 AND 0F00002.
  - CT-23973, MARCH, 1977(4003-17-01489) V1 WESTINGHOUSE RECOMMENDATIONS TO MINIMIZE WATER DAMAGE TO STEAM TURBINES.
  - 71001(10001, ELECTRO HYDRAULIC FLUID SYSTEM P&ID.

- NOTES
- DELETED.
  - VALVE NUMBERS PREFIXED BY AN "X" ARE FURNISHED BY WESTINGHOUSE UNDER P.D. 4000. BEVELS WILL SUPPLY A NIPPLE AND CAP FOR THOSE CONNECTIONS NOT USED FOR INSTRUMENTATION.
  - ALL INSTRUMENTS SHOWN ON THIS DIAGRAM ARE PREFIXED BY THE UNIT NUMBER 1 UNLESS OTHERWISE NOTED. SEE GENERAL NOTE D ON 0F00002.
  - MINIMUM RECOMMENDED SLOPE OF MAIN STEAM PIPING IS 5 INCHES PER 100 FEET. NORMALLY IN DIRECTION OF FLOW. HOWEVER, ACTUAL PIPE SLOPE SHALL BE AS SHOWN ON THE ISOMETRIC DWGS.
  - ALL INSTRUMENTS SHOWN ON THIS DIAGRAM HAVE SYSTEM DESIGNATOR "MS" UNLESS OTHERWISE NOTED.
  - ALL INSTRUMENTS SHOWN ON THIS DIAGRAM HAVE SEPARATION GROUP DESIGNATOR "H" UNLESS OTHERWISE NOTED.
  - REFER TO DRAWINGS 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS.
  - DELETED.
  - DELETED.
  - ANITROGEN BLANKETING OF THE MSR TUBE SIDE SHALL BE PROVIDED THROUGH THE VENTS WITH FLEXIBLE HOSE AND QUICK DISCONNECTS COMPATIBLE WITH THE VENT CONNECTION.
  - PIPING CLASS 3C3 SHALL BE USED FOR FIELD INSTALLED INSTRUMENT PIPING CONNECTING TO WESTINGHOUSE EQUIPMENT.
  - THE SYMBOL "A" INDICATES DEVICES SUPPLIED WITH THE WESTINGHOUSE TURBINE ON PD 4000 AND "B" INDICATES SUPPLIED WITH THE WESTINGHOUSE NSSS SYSTEM ON PD 4000.
  - INSTRUMENT TAPS ARE LOCATED ON THE UPSTREAM (MAIN STEAM) SIDE OF THE THROTTLE VALVES.
  - WHEN REQUIRED THE TURBINE PRESERVATION SYSTEM MAY BE CONNECTED TO THE 42" CROSSUNDER PIPE.
  - INSTRUMENT TUBING QUALITY REQUIREMENTS FOR TURBINE IMPULSE PRESSURE INSTRUMENTS ARE SHOWN ON INSTRUMENT BOUNDARY DETAIL DRAWINGS. 5201924500 SERIES - (REF. PCD# 9400001).
  - DELETED.

LR BOUNDARY DRAWING NO. LR-STP-MS-6S109F00017#1 REV. 0

E/ISSUED/DCN	27	INCORP. DCN 0500824.	LNB							SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY	PIPING AND INSTRUMENTATION DIAGRAM MAIN STEAM						
	26	6-9-06 REVISED PER DCP 06-6816-1.	JGL	ON FILE							PRIORITY	CADD FILE NO.	F5UG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.
	25	5-1-01 REVISED PER DCP 01-7314-1.	VJM	ON FILE						1	FJA146.271	0070928		NONE	6S109F00017#1		27
	24	10-29-02 ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE														
			ORIG	CKR	RE	DV	SE	NO.	ISSUE DATE	REVISION							