E-71272-2

STM ZONE	DESCRIPTION	DATE	APPROVED
	REVISIONS		
01	G-5 DELETED SCHEDULE (SEE SHEET 2)		
	NOZZLES (ASSY # 228-201)		
	G-3 5¼" WAS 5"		
	E-5 5⅜" WAS 5⅝"		
	G-6 76⅝" WAS 76⅜"		
	N-1 ADDED REF. DWG. # 5		
	G-1 ADDED 1" SAMPLING NOZZLE (PC. # 272-105)		
02	GEN GENERAL REVISION		
03	H-4 749" (62'5") WAS 752⅛" (62'8½")		
	G-6 172 ⅝" WAS 164"		
	F-1 15½" WAS 15⅜" & 38¼" WAS 38⅛"		
04	C-21 REVISED & RELOCATED NAMEPLATE AND BRACKET		
	G-7 ASSY NO. 272-105 WAS PC. 272-103 & REVISED & RELOCATED NOTES		
	A-7 SUMMER 1972 WAS WINTER 1972		

228-201 42" FEEDWATER NOZZLE

749" (62' 5") OVERALL LENGTH

614 5/16"

574 3/32"

503 5/32"

488 3/16"

431 7/32"

272-105 1" OF 1" SAMPLING NOZZLE 1 REQ'D

229-106 KEY BRACKET 2 REQ'D

272-101 1" LEVEL INDICATION NOZZLE 4 REQ'D

229-101 CLEVIS BRACKET ASSEMBLY

228-302 1" LEVEL INDICATION NOZZLE 4 REQ'D

272-103 1" INSTRUMENT NOZZLE 4 REQ'D

251-101 PRIMARY HEAD

258-401 (2) 30" ID PRIMARY OUTLET NOZZLES

205-301 1" INSTRUMENT NOZZLE

208-201 24" ID STEAM OUTLET NOZZLE

132 STEAM DRYER DRAINS

STEAM DEFLECTOR

132 STEAM DRYERS

132 STEAM SEPARATORS

3411-3/4" OD TUBES

201-201 TOP HEAD

224-101 INTERMEDIATE SHELL

242-101 LOWER SHELL

246-201 TUBE SHEET

222-101 SHELL CONE

229-104 SUPPORT BRACKET ASSY

258-201 42" ID PRIMARY INLET NOZZLE

256-101 SUPPORT SKIRT

227-101 (2) 16" SECONDARY MANWAYS

222-101 UPPER SHELL

NORMAL WATER LEVEL

LOW WATER LEVEL

HIGH WATER LEVEL

444 5/8"

595 3/8"

130 1/8"

SECTIONAL ELEVATION

(NOZZLES, LUGS, ETC. ROTATED INTO SECTION)

SCALE 1/2" = 1'-0"

NOTE: FOR SECTIONS 'B-B' 'C-C' 'D-D' SEE REFERENCE DRAWING #2

243-101 2" BOTTOM BLOWDOWN NOZZLE

MANWAY PLATE AND BACK (ROTATED INTO SECTION)

DIVIDER PLATE

16"ø ACCESS HOLE (ROTATED INTO SECTION)

258-601 (2) 16" PRIMARY MANWAY

245-301 (2) 6" HANDHOLES

SECTION 'A-A' (F-2)

(NOZZLES ROTATED INTO SECTION)

SCALE 1/2" = 1'-0"

WELD NUMBER	D.W.P NUMBER	NDE FREQ. PT	NO. FREQ. MT	NO. FREQ. RT	NO. FREQ. UT	"AF/" CHEM.
WELD TABLE						

ZONE	ASS'Y NO.	PC. NO	NO. REQ'D	NOMENCLATURE	MATERIAL	MATERIAL SPEC.	MATERIAL NOTES
LIST OF MATERIAL - QUANTITIES FOR							

ALL WELDING, FABRICATION AND INSPECTION TO BE IN ACCORDANCE WITH:
1) MPD PROJECT SPEC #181172-371-2
2) ASME CODE SECTION III THRU SUMMER 1972 ADDENDA

GENERAL NOTES

1. THIS DRAWING IS FOR INFORMATION ONLY, DO NOT USE FOR FABRICATION.
2. DESIGN DATA (PRIMARY SIDE)
   DESIGN PRESSURE 2500 PSIG — DESIGN TEMP. 650° F.
3. DESIGN DATA (SECONDARY SIDE)
   DESIGN PRESSURE 1000 PSIG — DESIGN TEMP. 550° F.

REFERENCE DRAWINGS

NO.	TITLE	DRAWING NUMBER
1	STEAM GENERATOR FINAL MACHINING	E-71272-271-004
2	STEAM GENERATOR OUTLINE	E-71272-271-006
3	STEAM GENERATOR OUTLINE - SECTION VI	E-71272-271-007
4	GENERAL ARRANGEMENT - PLAN	E-71272-271-002
5	STEAM GENERATOR FINAL MACHINING	E-71272-271-003

UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS & TOLERANCES TO USAS Y14.5 – 1966
2. ALL DIMENSIONS APPLY AT REFERENCE TEMP. OF 68° F.
3. REF. DIMENSIONS ARE FOR INFORMATION ONLY, DO NOT USE FOR FABRICATION.
4. MARKING SYMBOLS: VT = VIBRO TOOL; LSS = LOW STRESS STAMP 1/32 MAX. DEPTH
5. BREAK ALL SHARP EDGES WITH APPROX. 1/32 RADIUS OR CHAMFER
6. MACHINED SURFACES: INTERNAL – 250AA OR BETTER EXTERNAL 500AA OR BETTER
7. SIZES IN L/M ARE FINISHED SIZES – NO ALLOWANCE MADE FOR FABRICATION OR WELD SHRINKAGE
8. TOLERANCE ON: FRACTIONS ; DECIMALS ; ANGLES
9. SEE REF. DWG. NO. FOR NDT ITEM NO. IN WELD TABLE & NDT CALL-OUT ON DWG.
10. SEE DWG. FOR APPLICABLE EQUIPMENT SPECIFICATIONS.
11. DOUBLE ARROW INDICATES DIMENSION TO GIVEN REFERENCE LINE.
12. DEVELOPED LENGTH IN L/M IS GIVEN ON MEAN CENTER LINE.

GEOMETRIC TOLERANCES FOR MACHINED SURFACES UNLESS SPECIFIED ON DRAWING

SYM	GEOMETRY	TOL
▱	FLATNESS	.001" IN.
—	STRAIGHTNESS	.001" IN.
○	ROUNDNESS	SEE DWG
⌭	CYLINDRICITY	SEE DWG
⌒	PROFILE OF LINE	SEE DWG
⌓	PROFILE OF SURFACE	SEE DWG
//	PARALLELISM	.001" IN.
⊥	PERPENDICULARITY	.001" IN.
∠	ANGULARITY	SEE DWG
⌯	RUNOUT	SEE DWG
⌖	TRUE POSITION	SEE DWG
◎	CONCENTRICITY	.010 DIA
⌯	SYMMETRY	SEE DWG

DWN. BY C. WARLER DATE 9-7-72
CKD. BY G. MCCLUM DATE 9-25-73
ANAL. ENGR [illegible] DATE 10-5-73
PROJ. ENGR [illegible] DATE 10-5-73
APPROVED

CHATTANOOGA

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GENERAL ARRANGEMENT ELEVATION

FLORIDA P&L II STEAM GENERATOR

AS NOTED — SCALE 1/72 — SHEET

E-71272-271-008 REV 04

BEST PRINT POSSIBLE

INFORMATION ONLY

VERIFY WITH A CONTROLLED COPY BEFORE USE.

RECEIVED
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EBASCO SERVICES
ST. LUCIE PLANT

DESIGN FOR MECHANICAL	DISCIPLINE	LEAD
	MECHANICAL	
	NSSC APD	
	I&C	
	CONTROLS	
	PLANNING	
	HVAC	
	ELECTRICAL	
	WTR TREAT	
	RADWASTE	
	STRESS	
	SPECIAL	
	WATER ANL	
	CONAS	
	WELDING	
	PIPE TECH	
	PIPING	
	ACI	
	STANDARD DISTRIBUTION	

2998-205 R3

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
ENGINEERING EXTENSION

NO.	DATE	ITEM
		APPROVED W/ NOTED COMMENTS
		APPROVED W/ COMMENTS AS NOTED
		NOT APPLICABLE
		NO COMMENTS, NO PRINT RETURNED
		FOR INFORMATION ONLY

		FOR FURTHER APPROPRIATE REMARKS SEE
		WELDING NOT TO BE STARTED
		WELDING NOT TO BE COMPLETED
		WELDING CLOSED OUT
		DO NOT PROCEED WITH FABRICATION
		REQUEST NOTICE OF PERIODIC VISIT
		WELD INSPECTION
		STEAM GENERATOR ELEVATION
		WELDING NOT TO BE STARTED
		WELDING NOT TO BE COMPLETED
		WELDING CLOSED OUT

REVISED BY	DATE	CHK'D BY
TOLAN	7/19/77	M

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