



NO.	DESCRIPTION	QTY	UNIT	SPEC	DATE
200-A	LOCK SHIPPING ASSY.	1			
201-A	LOCK FINAL ASSY	1			
242-A	TIE DOWN BEAM ASSY.	2			
242-B	TIE DOWN BOLT ASSY.	4			
264-1	9188-A NAMEPLATE	1		3.5	D
200-1	DRIVE SCREW #10 U-TYPE	4	0 0 1/2	3.5	D
200-2	CEI MEDALLION #5183-B	2			D
200-3	2-11 UNC HEX HD. CAP SCREW	4	0 2 3/8	MS 871	A
200-4	O-RING 4 1/2 I.D. x 4 1/4 O.D. x 3/16 THK	1			D
200-5	O-RING 3 1/2 I.D. x 3 1/4 O.D. x 3/16 THK	1			D
200-7	1/4 NPT PIPE PLUG	1		CS	D
200-8	2-13 UNC HEX HD. BOLTS	8	0 2 1/2	MS 871	A
200-9	2-13 UNC HEX NUTS	8		MS 871	A
200-10	PARKER O-RING #212-5604-70	2			D
200-11	PARKER O-RING #212-5604-70	2			D
200-12	1/4 NPT PIPE PLUG	2		CS	D
232-B	1 3/4 150° BI IND FLG. SPECIAL FACE	1		MS 6021	A
232-9	1 1/4 150° BI IND FLG. SPECIAL FACE	2		MS 6921	A

MS 6021 - SAS16 GR70 - QAS 347
 MS 871 - SA193 BT - QAS 347
 MS 872 - SA194 GR7 - QAS 347
 ** SILICONE FOR 340° SERVICE

INFORMATION ONLY
 VERIFY WITH A CONTROLLED COPY BEFORE USE.

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 AUG 14 1977
 DOCUMENT CONTROL CENTER

NOTES

1. MEDALLION TO BE ATTACHED WITH AN ADHESIVE.

HANDWHEEL ROTATION	OPERATION	HANDWHEEL EFFORT
0-1 1/2 TURNS	VALVE OPEN	20 LBS.
1 1/2-2 1/2 TURNS	DOOR UNLOCK	50 LBS.
2 1/2-3 1/2 TURNS	DOOR SWING	20 LBS.

GENERAL NOTES

LOCK TEST PRESSURE = 50.0 PSIG

THE LOCKING MECHANISM IS DESIGNED TO SEAL THE DOOR AGAINST A PRESSURE OF .7 PSIG. THE DOORS AND LOCK ARE DESIGNED FOR A PRESSURE OF .44 PSIG. EXISTING IN THE CONTAINMENT VESSEL OR THE CONTAINMENT VESSEL AND LOCK SIMULTANEOUSLY. BOTH DOORS ARE MECHANICALLY INTERLOCKED TO PREVENT OPENING BOTH DOORS AND VALVES AT THE SAME TIME. ONE DOOR AND VALVE CANNOT BE OPENED UNLESS THE OPPOSITE DOOR AND VALVE IS SEALED. THE OPERATING AND MAINTENANCE MANUALS DESCRIBE THE METHOD OF DELIBERATELY VIOLATING THE INTERLOCK.

THE OPERATION OF THE HANDWHEEL WILL PERFORM THE FOLLOWING FUNCTIONS: (1) ACTUATE THE MECHANICAL INTERLOCK TO BLOCK OPERATION OF THE OPPOSITE MECHANISM, (2) OPEN THE PRESSURE EQUALIZING VALVE, (3) UNLATCH THE DOOR, (4) BRING THE DOOR OPEN ON ITS HINGE. THESE OPERATIONS ARE IN THE SEQUENCE AS DESCRIBED FOR OPENING A DOOR AND ARE REVERSED FOR CLOSING A DOOR. THE REMOTE OPERATOR ON THE OUTSIDE OF THE LOCK AT EACH DOOR WILL PERFORM THE ABOVE FUNCTIONS ON THE OPPOSITE DOOR. LIMIT SWITCHES ARE SUPPLIED AT THE VALVE AND LATCH OPERATIONS FOR EACH DOOR TO FACILITATE REMOTE INDICATION OF EACH DOOR AND VALVE POSITION. POSITION INDICATORS AT EACH HANDWHEEL DENOTE THE POSITION OF ITS RELATED VALVE, LATCH AND DOOR.

THE DOORS ARE REQUIRED ON THE INTERIOR DOOR FOR LOCK TESTS GREATER THAN .7 PSIG OVER CONTAINMENT PRESSURE.

NDE DESIGNATION

MT - MAGNETIC PARTICLE EXAMINATION
 PT - DYE PENETRANT EXAMINATION
 UT - ULTRASONIC EXAMINATION
 RT - RADIOGRAPHIC EXAMINATION

FLORIDA POWER AND LIGHT CO.
 ST. LUCIE PLANT - UNIT 2
 HUTCHINSON ISLAND, FLORIDA

APPROVED FOR NUCLEAR S.A. RELEASE FOR USE
 D.A. [Signature] 8-6-76
 REVISED BY: [Signature] DATE: [Signature]

INDICATES CHANGE FROM PREVIOUS ISSUE

Chicago Bridge & Iron Company **CEI**

GENERAL ARRANGEMENT 5'-9 I.D.
 ESCAPE LOCK @ 2'-6 I.D. OPENING

73-7302
 200

REV.	DATE	BY	APP.	DESCRIPTION
1	2/1/77	RA	APP.	DESCRIPTION
2	1/24/78	RA	APP.	REVISION
3	8/1/77	RA	APP.	REVISION

DCR 970050
 ADDED: HANDWHEEL NOS.
 DEL HOLDS, DEL TWO PENETRATIONS,
 REV ONE PEN FROM 1" TO 2"

DESIGN			ENGINEERING			
FOR	NC	C	DISCIPLINE	FOR	NC	C
INFO	COMM		MECHANICAL	INFO	COMM	
			CONC-HYD.			
			ARCH			
			STRUCT			
			INSTR'N			
			CONTROLS			
			PLUMBING			
			HVAC			
			ELECTRICAL			
			WTR TREAT			
			RADWASTE			
			STRESS			
			SHIELDING			
			MATERIALS			
			CONST			
			LICENSING			
			POAF SL2.7			
			R-A			

AGS
 STANDARD DISTRIBUTION

2998-2843 R3

FLORIDA POWER & LIGHT COMPANY
 ST. LUCIE PLANT
 1981 - 890,000 KW(a) EXTENSION - UNIT 2

P.O. N.Y 422501 ITEM

REVISION	DESCRIPTION	DATE
1	REVIEWED WITHOUT COMMENTS	8-6-76
2	REVIEWED WITH COMMENTS AS NOTED	8-6-76
3	NOT APPLICABLE	8-6-76
4	NO COMMENTS, NO PRINT RETURNED	8-6-76
5	FOR INFORMATION ONLY	8-6-76
6	NO FURTHER REPRODUCIBLE REQUIRED	8-6-76
7	RESUBMIT REVISED REPRODUCIBLE	8-6-76
8	RESUBMIT CLOTH OR MYLAR REPRODUCIBLE AS SHIPPED	8-6-76
9	DO NOT PROCEED WITH FABRICATION	8-6-76
10	RESUBMIT REVISED REPRODUCIBLE	8-6-76

* PRINT INCLUDED

GENERAL ARRANGEMENT
 5'-9 I.D.
 ESCAPE LOCK @ 2'-6 I.D. OPENING

REVIEWED BY: W.C. DATE: 10/4/76 ORIG. DIV: A-5 DAYS TO COMMENT: 15

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