DATE	S & K S.O.	QUAN.	CUST. ORDER	CUSTOMER	PRESS.	TEMP.	COL. "A-A" FAC'G INLET	SERIAL NO.	UNIT #	TSO. VALVE TAG NO.	CHK. VALVE TAG NO.	BY-PASS VALVE TAG NO.
2-8-80	M70-00656-V	1	NY-422228	FLORIDA POWER & LIGHT	815 PSIG NORMAL 1000 PSIA DESIGN	520°F NORMAL 550°F DESIGN	RIGHT	N 700267 N 700268	1	I-HCV-08-1A	I-V-08-383	E-MV-08-1A
1-28-80	M70-00656-V	1	NY-422228	FLORIDA POWER & LIGHT	815 PSIG NORMAL 1000 PSIA DESIGN	520°F NORMAL 550°F DESIGN	LEFT	N 700269 N 700270	1	I-HCV-08-1B	I-V-08-383	E-MV-08-1B

PART NO.	PART NAME
66	HEX NUT (CHECK VALVE BEARING COVER)
67	STUD (CHECK VALVE BEARING COVER)
68	STUD (ISOLATION VALVE YOKE)
69	GLAND
70	GLAND HEX NUT
71	GLAND STUD
72	EYE BOLT COLLAR
73	EYE BOLT
74	ANTI ROTATING PIN (DISC)
75	ANTI ROTATING PIN (DISC)
76	YOKE COVER
77	LINK
78	SPACER ASTM A 240 GRADE TP 316
79	LOCKWASHER ASTM A 240 GRADE TP 316
80	ANTI ROTATING PIN (STUD) A 36

PART NO.		PART NAME	MATERIAL
1	*	DISC SEAT	E 309 TYPE S.S.
2	*	VALVE SEAT	SA 240 GRADE 316
3		BODY	CSTL & 216 GRADE WCB
4	*	STUD	A/SA 193 316
5	*	DISC SEAT	E-309 TYPE S.S.1
6	*	TAIL LINK	SA 351 GRADE CA6NM
7	*	TAIL LINK	SA 351 GRADE CA6NM
8	*	DISC	SA 515 GRADE 70
9	*	DISC	SA 515 GRADE 70
10	*	NUT	SA 194 7
11	*	WASHER	HARDENED CARBON STL.
12	*	ROCKSHAFT	A 564 TYPE 630 (17-4PH)
13	*	FLANGE	SA-240 TYPE 304 S.S.
14	*	CYLINDER	PIPE XXS, A-312 TYPE 304 S.S
15	*	BUSHING	MONEL 5164
16	*	SPINDLE	A-564 TYPE 630 (17 4PH)
17	*	ADAPTER	A-515 GRADE 55
18		COVER	STL & A-515 GRADE 70
19		GASKET	FLEXITALLIC SST. ASBESTOS
20		GASKET	FLEXITALLIC SST. ASBESTOS
21		PACKING	CRANE 187 & ASBESTOS W/MONEL
22		STUDS	ALLOY STL. A-193 GRADE B16
23		HEX NUTS	ALLOY STL. A-193 GRADE B7
24		COVER (PAD)	STL & A-515 GRADE 70 & A-285 GRADE C
25	NOTE 3	STOP BLOCK	1½" SS & SA-240 TYPE 410
26		STOP BLOCK	1½" SS & SA-240 TYPE 410
27		STOP BLOCK	3 CS & SA-515 GRADE 70
28		FURMANITE FITTING	
29		WIRE DAM	⅛" DIA. BRASS
30	†	LOCK WASHER	SA240, TYPE 410SS OR 316 SS
31		BOLT	SAE J-429 GR8
32		SWITCH BRACKET (OPEN POSITION)	
33		LIMIT SWITCH (OPEN POSITION)	
34		PIN WITH COTTERS	
35		BY-PASS VALVE PIPE	
36		TEST STROKE LIMIT SWITCH	
37		PIN WITH COTTERS	
38		SWITCH BRACKET (TEST STROKE)	
39		CAPSCREWS (SPLIT COUPLING)	
40		SWITCH ACTUATING PLATE	
41		SWITCH BRACKET (CLOSE POSITION)	
42		LIMIT SWITCH (CLOSED POSITION)	
43		HEX NUT (SPLIT COUPLING)	
44		SPLIT COUPLING	
45		PIPE PLUG (DRAIN)	
46		COTTER PIN (ISOLATION VALVE)	
47		HEX NUT (ISOLATION VALVE BEARING COVER)	
48		STUD (" " " ")	
49		BY-PASS VALVE BRACKET	
50		TAIL LINK HEADLESS SET SCREW	
51		BY-PASS VALVE PIPE	
52		ISOLATION VALVE TAIL LINK SET SCREW	
53		COVER BUSHING	
54		PACKING RING	
55		BY-PASS VALVE	
56		HEADLESS SET SCREW	
57		SPRING PLATE	
58		SPRING	
59		YOKE	
60		HEX NUT (ISOLATION VALVE YOKE)	
61		CAP SCREW (ADAPTER)	
62		SOCKET HEAD CAP SCREW (AIR CYLINDER)	
63		AIR CYLINDER	
64		PIPE PLUG	

SWITCH IDENTIFICATION

*1 SWITCH SHOWS VALVE IN FULL OPEN POSITION
*2 SWITCH IS TEST STROKE SWITCH, TO DEACTUATE WHEN VALVE SPINDLE MOVES 5/8" DOWN FROM FULL OPEN POSITION
*3 SWITCH IS CLOSED POSITION SWITCH TO INDICATE WHEN VALVE IS CLOSED, LOCATED 30° FROM WHERE SHOWN ON OUTLET SIDE.

LIMIT SWITCHES ARE NAMCO
FOR 5 AMP, 125 V.D.C. *1 & *2 EA180-32302
*3 IS EA180-31302

VIEW B-B

UPPER SWITCH DETAIL
VALVE SHOWN IN FULL OPEN POSITION
(SEE SWITCH IDENTIFICATION)

INLET END VIEW

DETAIL "A" (K-9-16)

DETAIL "B" (K-13)

DETAIL "C" (L-12) OPTIONAL (L-13) REQUIRED

OUTLET END VIEW

ELEVATION

NOTE:
FOR GENERAL NOTES AND REFERENCE DRAWINGS SEE 8770-9674

△ VALVE BONNETS MAY BE INSTALLED WITH OR WITHOUT FURMANITE FITTINGS WIRE DAMS AND FURMANITE FILL.

△ THE DESIGN INFORMATION FOR THE CHANGES SHOWN IN THIS REVISION HAS BEEN ENGINEERED BY FLORIDA POWER & LIGHT COMPANY.

SUPERCEDES DWG 8770-481

REV	DATE	BY	APP	DESCRIPTION
6	11-13-79	MC	MK	PCM 79-0015 ADDED: (D16) DISC (H15, L11, L13, M12) ANTI ROTATE PIN DETAILS (C-15) ITEM 80
5	2-26-79	GW	MK	PCM 247-192 ADDED: (D17, 312-15, J16-17-18-19) NOTE 6 REF.
4	12-5-78	MC	MK	PCM 78-0015 ADDED: (D16) DISC (H15, L11, L13, M12) ANTI ROTATE PIN DETAILS (C-15) ITEM 80
3	8-21-67	MC	MK	PCM 24T-192 ADDED: (D17, 312-15, J16-17-18-19) NOTE 6 REF.
2	1/8/80	HC	JH	PCM 037-1286 △ REV. (D56) LMT. SW. NOS: PCM 172-80 ADD: (D15) GUARD PIPE.
1	6-15-78	AA	BK	ADD: (A-15) & (B-15) B/M PART NO. 32 THRU 77 - PART NO. NOT CIRCLED ON BODY OF DWG. (C-19 THRU 14) NOTE 6
0	10-18-77	JC		REVISED PER PCM 416-78. PCM 560-79 & PCM 888-78

REV	DATE	BY	APP	DESCRIPTION
2	11-13-79	MC	MK	PCM 037-1286 △ REV. (D56) LMT. SW. NOS: PCM 172-80 ADD: (D15) GUARD PIPE.
1	6-15-78	AA	BK	ADD: (A-15) & (B-15) B/M PART NO. 32 THRU 77 - PART NO. NOT CIRCLED ON BODY OF DWG. (C-19 THRU 14) NOTE 6
0	10-18-77	JC		REVISED PER PCM 416-78. PCM 560-79 & PCM 888-78

EBASCO REVISION

GENERATE LETTERS: NONE, ENG ✓, VENDOR, CLIENT, BOTH

DISPOSITION: FINAL ✓, PREL, FINAL RESUB, NO. DAYS TO RESUBMIT

RECEIVED NOV 26 MILITARY RECORDS PROPERTY OF FPSC CENTER

DEPT. 8770-9673 R6 DATE 9/9/81
FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT UNIT #1
1973 - 890 MW INSTALLATION
P.O. NY422228 ITEM

REVIEWED WITHOUT COMMENTS	*	1
REVIEWED WITH COMMENTS AS NOTED	*	2
NOT APPLICABLE	*	3
NO COMMENTS, NO PRINT RETURNED	*	4
FOR INFORMATION ONLY	*	5
NO FURTHER REPRODUCIBLES REQUIRED	*	6
RESUBMIT REVISED REPRODUCIBLE	SEE NOTE BELOW IF CHECKED HERE ☐	5
RESUBMIT CLOTH OR MYLAR REPRODUCIBLE AS REQUIRED	*	6
DO NOT PROCEED WITH FABRICATION RESUBMIT REVISED REPRODUCIBLE	*	7

* PRINT INCLUDED NOTE: MSIV ASSEMBLY, SH. 1

REVIEWED BY: M.P.D. DATE: 9/29/81 ORIG/DIV: M DAYS TO RETURN: 3 Calendar

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EBASCO SERVICES INCORPORATED
2 WORLD TRADE CENTER, NEW YORK, NY 10048

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE NO. 1

34"-600# MAIN STEAM ISOLATION VALVE & SWING CHECK VALVE ASSEMBLY

SCHUTTE & KOERTING CO.
CORNWELLS HEIGHTS, BUCKS COUNTY, PENN.
S & K ORDER NO.: M70-00656-V
BY: C. KELLOGG

DRAWING NUMBER 8770-9673

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 27548

9701270078-58

ANSTEC APERTURE CARD

E