



PART NO	NAME OF PART	MATERIAL
1-3	YOKE BONNET	SA 216 - WCB
1-3-04	STOP RING	SA 105 WITH STELLITE
2-1	BONNET STUDS	SA 193 - B7
2-1-1	BONNET NUTS	SA 194 - 7
2-0	BON. STUD WASHERS	COMMERCIAL STEEL
3	BONNET GASKET	304 SS AND ASBESTOS
4-W	WELD ENDS BODY	SA 216 - WCB
5-3	FOLLOWER FLANGE	A 36
5-31	FOLLOWER GLAND	A 582 - 416T
6-1-6	FOLLOWER STUDS	A 193 - B7
6-10	FOLLOWER NUTS	A 194 - 2H
6-15	FOLL. JAM NUTS	A 194 - 2H
7	LANTERN GLAND	A 582 - 416T
11	DISCS	SA 105 WITH STELLITE
13	SEAT RINGS	SA 105 WITH STELLITE
14-5	YOKE UPPER WEDGE	A 216 - WCB WITH STELLITE
15	LOWER WEDGE	A 216 - WCB WITH STELLITE
19-2	YOKF STEM	A 564 - 630 - 1100
20	UPPER PACKING	JOHN CRANE 187I
20-2	LOWER PACKING	JOHN CRANE 187I
26-4	STEM COUPLING	A 564 - 630 - 1100
28	ACT. ROE ADAPTER	A 564 - 630 - 1100
34-5	COUPLING CAPSCREWS	A 574
42-1	YOKE LEGS	A 216 - WCB
43-3	YOKE LEGS STUDS	A 193 - B7
43-10	YOKE LEGS NUTS	SA 194 - 7
62-12	PIPE PLUG	COMMERCIAL STEEL
72	FINGER SETSCREW	COMMERCIAL STEEL
82-14	WEDGE PIN	A 108 - 1020
82-28	ADAPTER PIN	AISI 420
85	WEDGE SPRINGS	INCONEL
132	A / DV HYD ACTUATOR	COMMERCIAL
135-5	ACTUATOR STUDS	A 193 - B7
280	SWITCH FINGER	COMMERCIAL STEEL
280-15	FINGER CAPSCREWS	A 574
281	SWITCH BRACKET	COMMERCIAL STEEL
282-10	BRACKET NUTS	COMMERCIAL STEEL
282-15	BRACKET BOLTS	COMMERCIAL STEEL
283	LIMIT SWITCHES CCW	NAMCO EA-180-32302
283-1	LIMIT SWITCHES CW	NAMCO EA-180-31302
284-5	SWITCH BOLTS	COMMERCIAL STEEL
284-10	SWITCH NUTS	COMMERCIAL STEEL
287	LOCK WASHERS	COMMERCIAL STEEL
371	DISC RETAINER	COMMERCIAL STEEL
399-3	DRAIN CONNECTION	SA 105
135-10	ACTUATOR NUTS	A 194 - 2H

REV	DESCRIPTION	BY	APP'D
A	GENERAL REVISIONS - REVISED PARTS LIST, ENVELOPE DIMENSIONS, LIMIT SWITCH DEVELOPMENT, WELD PREP - VIEW A & NOTES	...	...
B	REVISED NOTES 2 & 3	...	...
B1	REVID. PRESS. / TEMP. RATING & 600 FROM TITLE	...	...
C	ADDED SECOND EXERCISE SWITCH AND DIMS TO SWITCH CONDUITS	...	...
C1	REVISED LIMIT SWITCH DEVELOPMENT TO INCLUDE SECOND EXERCISE SWITCH	...	...
C2	CHANGED LIMIT SWITCH MODEL NUMBERS	...	...
D	A / DV HYD ACTUATOR WAS GREER	...	...
E	ADDED NOTE 8. 30.147 WAS 30.357	...	...
F	REVISED NOTE 6	...	...
G	190 DIM WAS 173 & 173-1/2 WAS 159 CHANGED ACCORD.	...	...
H	ADDED LIMIT SWITCHES MARKED WITH # & NOTE 9	...	...
J	CHANGED LIMIT SWITCH PART NOS. NAMCO EA-180-32302 WAS PART 283-1 & NAMCO EA-180-31302 WAS PART 283-1	...	...
K	ADDED LIMIT SWITCH NOTE 10 & REFERENCE TO IT.	...	...

CONTACTS	SYM.	VALVE POSITION	FULL OPEN	INTERM.	FULL CLOSE
A-B	O				
C-D	IC				
E-F	IC				
G-H	O				
A-B	IO				
C-D	IC				
E-F	IC				
G-H	IO				
A-B	IC				
C-D	IO				
E-F	IO				
G-H	IC				
A-B	IO				
C-D	C				
E-F	C				
G-H	IO				

- NOTES**
- MAXIMUM FLOW: 3,963,921 LBS./HR.
  - DESIGN PRESSURE: 1185 PSI
  - DESIGN TEMPERATURE: 600° F
  - CALCULATED PRESSURE DROP: 1.00 PSI-TOTAL
  - ESTIMATED VALVE WEIGHT: 17,850 POUNDS
  - VALVE TAG NO'S: 1MS001B 1MS001C 2MS001B 2MS001C
  - VALVE IS ASME CLASS 2 IN ACCORDANCE WITH 1974 ASME SECTION III, WITH SUMMER 1974 ADDENDA.
  - REFERENCE A/DV HYDRAULIC ACTUATOR DRAWING NO. F-4932. HYDRAULIC SCHEMATIC DRAWING NO. D-10239. WIRING DIAGRAM DRAWING NO. D-10235
  - LIMIT SWITCHES MARKED WITH (#) TO BE FIELD INSTALLED USING PARTS FURNISHED VIA A/DV SHOP ORDER P149
  - LIMIT SWITCHES INSTALLED ON FAR SIDE OF LIMIT SWITCH BRACKETS.

COMMONWEALTH EDISON COMPANY  
 BYRON STATION  
 UNITS 1 AND 2  
 COMMONWEALTH EDISON ORDER NO. 186233  
 SARGENT AND LUNDY SPECIFICATION F-2756  
 ANCHOR/DARLING ORDER NO. E6105

TI  
 APERTURE  
 CARD

DATE	CHANGED	APPROVED	REVISION
10-24-75	...	...	94-1406

REVIEWED FOR  
 BYRON  
 UNITS 1 & 2  
 SPEC. NO. F-2756 PROJ. NO. 4391  
 4392

COMMONWEALTH EDISON CO.  
 SARGENT & LUNDY  
 ENGINEERS  
 1. NO EXCEPTION TAKEN. CONTRACTOR HAS PROCEED WITH FABRICATION OR CONSTRUCTION IN ACCORDANCE WITH SPECIFICATION.  
 2. CONTRACTOR MAY PROCEED IN ACCORDANCE WITH SPECIFICATION BASED ON MAKING REVISIONS AS NOTED AND RESUBMIT.  
 3. REUSE AS NOTED AND RESUBMIT. HOLD FABRICATION.  
 ANY ACTION SHOWN ABOVE IS SUBJECT TO THE TERMS OF THE CONTRACT AND DOES NOT RELIEVE CONTRACTOR FROM HIS OBLIGATIONS UNDER THE CONTRACT, INCLUDING DESIGN AND DETAILING FOR MAIN STEAM ISOLATION VALVE EQUIPMENT NO. 4391  
 BY J. R. LAZOWSKI DATE: 06-21-82

SUPERSEDES PRINT  
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PDR RIDS

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