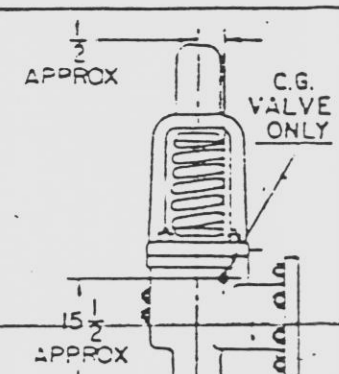
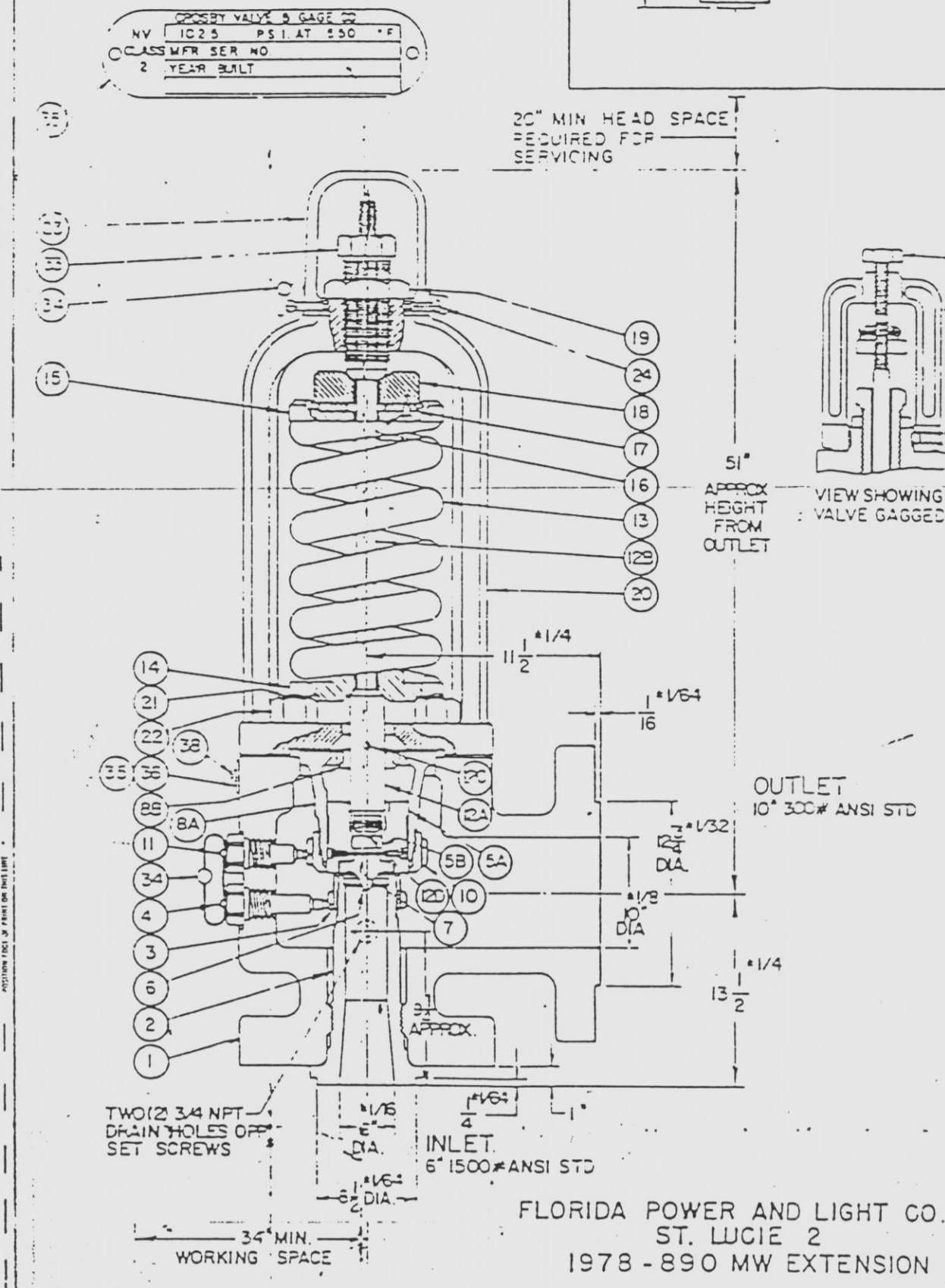


REV.	DESCRIPTION	BY	CHK	APPROVED
A	REVISED PER C.E. COMMENTS SUPPLEMENT NO. 8 10-17-78 AND CROSSBY ENG. REVIEW	K.M.		
B	REVISED PER C.E. COMMENTS DATED 2-17-78	MEH		
C	REVISED PER FPBL 10-16-78			



PCNO.	DESCRIPTION	NO. REQ'D	MATERIAL	MATL SPEC.	SEE NOTES	REMARKS
1	BODY	1	CARBON STEEL	ASME SA216 GR WCB	2,3	
2	NOZZLE	1	SST	ASTM A477 GR 651	1,2,3	
3	RING	1	SST	ACI OF 8M (SOL ANN)	1,5	
4	SET SCR	1	SST	ASTM A582 TYPE 416 CONDT		
5	DISC HOLDER	1	S MONEL	COMMERCIAL		
6	BUSHING	1	SST	ASTM A276 TYPE 440C		HEAT TREATED
7	INSERT	1	SST	ASTM A458 GR 651	1,2,3	
8	GUIDE	1	CU-NI ALLOY	COMMERCIAL		
9	BEARING	1	BEARLUM	BEARLUM B 10		
10	RING	1	SST	ACI OF 8M (SOL ANN)	5	
11	SET SCR	1	SST	ASTM A582 TYPE 416 CONDT		
12	SPINDLE POINT (STEM)	1	SST	ASME SA193 GR B6	2,3	
13	ROD	1	SST	ASTM A582 TYPE 416 CONDT		
14	PIN	1	SST	ASTM A582 TYPE 416 CONDT		
15	BALL (SRG)	1	SST	ASTM A276 TYPE 440C		HEAT TREATED
16	BEARING PIN	1	STEEL	COMMERCIAL		
17	BEARING	1	COMMERCIAL			
18	ADAPTER	1	SST	ASME SA193 GR B6	2,3	
19	ADJUSTING BOLT NUT	1	STEEL	COMMERCIAL		
20	BONNET	1	CARBON STEEL	ASME SA105	2,3	
21	STUD	6	ALLOY STEEL	ASME SA193 GR 57	2,3	1/4" BUNCS 5 LDRNG
22	NUT	6	STEEL	ASME SA193 GR 2H	2,3	1-1/8" BUNCS
23	CAP	1	MALLEABLE IRON	ASTM A536		
24	SET SCREW	4	STEEL	COMMERCIAL		
25	ADJUSTING BOLT	1	SST	ASME SA193 GR B6	2,3	
26	SEAL & WIRE	2	LEAD-STEEL	COMMERCIAL		
27	DATA PLATE	1	SST			
28	NAMEPLATE	1				
29	IDENTIFICATION PLATE	1				
30	DRIVE SCREW	6				
31	TEST CLAMP	1	MALLEABLE IRON			
32	ROD	1	STEEL			
33	CLAMP SET SCR	4				



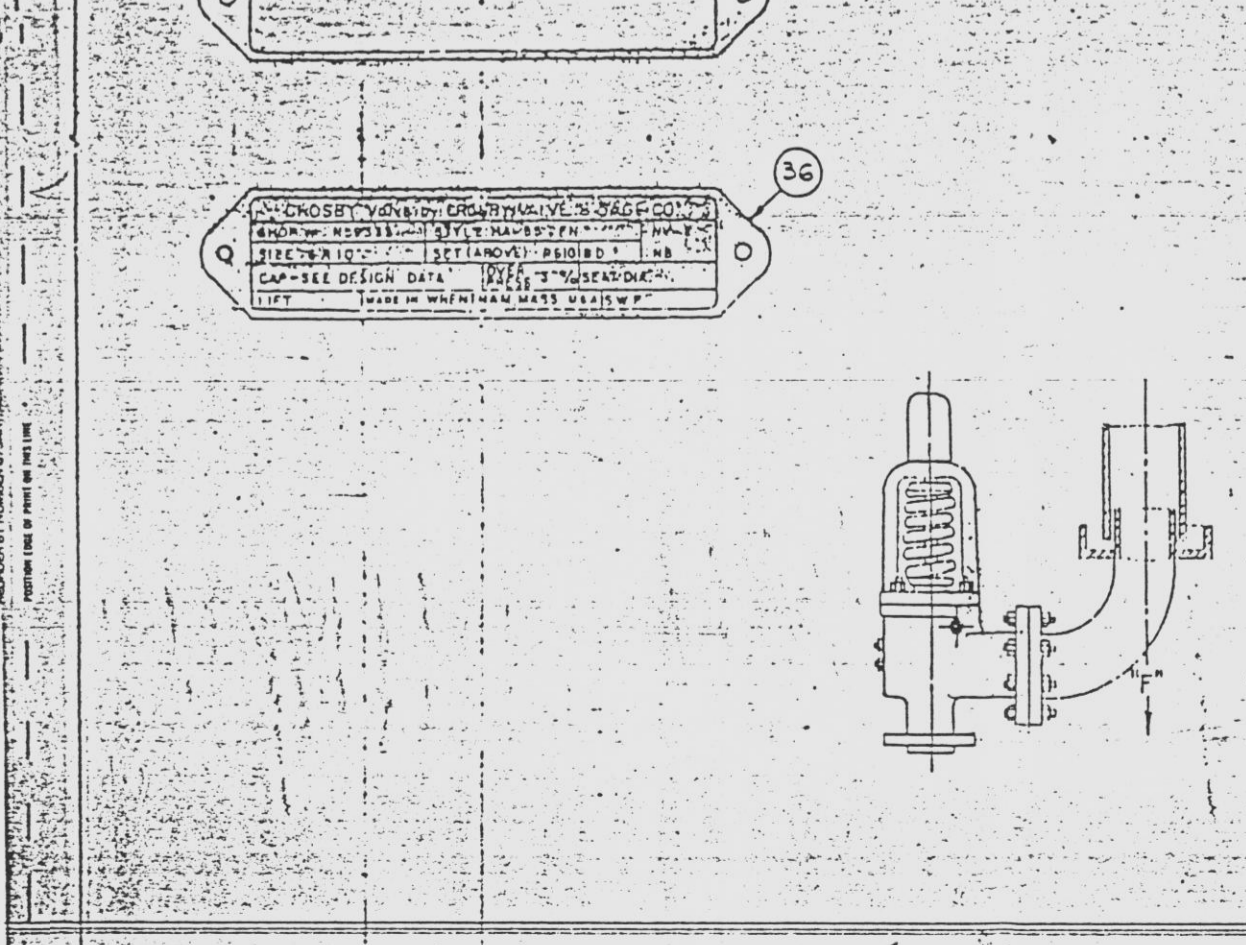
NOTES:
 1. RECOMMENDED SPARE PIECE
 2. PRESSURE RETAINING PIECE
 3. CERTIFICATION OF MATERIAL AND NON-DESTRUCTIVE TESTING IN ACCORDANCE WITH CROSSBY CAI 32021
 4. LEVER ASSEMBLY REMOVED AFTER ORIGINAL MANUFACTURE AND REPLACED WITH SOLID CAP ON F.O. N56B75
 5. MS&V'S HAVE BEEN FULL FLOW TESTED AT FACTORY. VALVE SPRINGS ARE NOT INTERCHANGEABLE. SPRING REPLACEMENT WILL REQUIRE RECALIBRATION. FOR RING SETTINGS SEE TABLE 'A'.

REV.	DESCRIPTION	BY	CHK	APPROVED
A	FIRST ISSUE - SEE SHEET 1 FOR OTHER REVISIONS	K.M.		
B	REVISED PER C.E. COMMENTS DATED 12-17-77	MEH		

DESIGN DATA:
 A. SPECIFICATION: COMBUSTION ENGINEERING SPECIFICATION NO 15172-PE-701, DATA SHEET NO. 3 AND AS-MODIFIED ON COMBUSTION ENGINEERING ORDER NO. 9303912
 B. SERVICE: SECONDARY PRESSURE RELIEF OF SATURATED STEAM
 C. DESIGN PRESSURE / TEMPERATURE: 1025 PSIG / 550°F
 D. RATED FLOW RATE: (90% CAPACITY PER VALVE): TAG NO. 8201-8208-744, 210 LBS./HR. SATURATED STEAM TAG NO. 8209-8216-774, 000 LBS./HR. SATURATED STEAM
 E. REQUIRED CAPACITY PER VALVE: 8201-8208 = 729,779 LBS./HR. SATURATED STEAM 8209-8216 = 758,971 LBS./HR. SATURATED STEAM
 F. ACTUAL CAPACITY PER VALVE: 8201-8208 = 826,900 LBS./HR. SATURATED STEAM 8209-8216 = 860,000 LBS./HR. SATURATED STEAM
 G. ACCUMULATION: 3% OF SET PRESSURE
 H. BLOWDOWN: 8% MAXIMUM OF SET PRESSURE
 J. BACK PRESSURE: BUILT-UP 25 PSIG
 K. VALVE TAG NUMBERS AND SET PRESSURE: 8201-8208 - 985 PSIG ± 1% 8209-8216 - 1025 PSIG ± 1%
 L. PLANT: FLORIDA POWER AND LIGHT, ST. LUCIE UNIT NO. 2, 1978-890 MW EXTENSION
 M. THE DISCHARGE FORCE (F) ACTING ALONG THE CENTER-LINE OF THE DISCHARGE ELBOW OUTLET DEVELOPED WHEN VALVE IS FLOWING SATURATED STEAM AT 3% ABOVE SET PRESSURE IS 19379 LBS AT 985 PSIG SET AND 20316 LBS AT 1025 PSIG SET (INCLUDES JET REACTION PLUS PRESSURE UNBALANCE); THESE FORCES DO NOT INCLUDE A DYNAMIC LOAD FACTOR (DLF) DETERMINATION OF DISCHARGE FORCES IS THE RESPONSIBILITY OF THE DESIGNER OF THE VESSEL AND/OR PIPING. REFERENCE: ASME CODE CASE 1569, CROSSBY PROVIDES THIS INFORMATION AS TECHNICAL ADVICE OR ASSISTANCE AND ASSUMES NO OBLIGATION OR LIABILITY FOR THE ADVICE OR ASSISTANCE GIVEN, OR RESULTS OBTAINED, ALL SUCH ADVICE OR ASSISTANCE BEING GIVEN AND ACCEPTED AT BUYER RISK.

VALVE SERIAL NUMBER	N.R.	G.R.
N59335-00-0001	-100	+50
-0002	-75	+50
-0003	-100	+50
-0004	-100	+25
-0005	-100	+50
-0006	-100	+25
-0007	-100	+50
-0008	-100	+50
-0009	-150	+50
-0010	-175	LVL
-0011	-100	-50
-0012	-100	LVL
-0013	-100	+100
-0014	-150	+50
-0015	-100	+125
-0016	-150	+50

N.R. = NOTILE RING - ITEM 3 (BOM)
 G.R. = ADJUSTING RING - ITEM 8 (BOM)



REV.	DESCRIPTION	BY	CHK	APPROVED
A	FIRST ISSUE - SEE SHEET 1 FOR OTHER REVISIONS	K.M.		
B	REVISED PER C.E. COMMENTS DATED 12-17-77	MEH		

FLORIDA POWER AND LIGHT CO. ST. LUCIE 2 1978-890 MW EXTENSION
 COMBUSTION ENGINEERING ORDER NO. 9303912
 CROSSBY F.O. N-47032-B
 PREPARED BY K.M. 10-19-78
 CHECKED BY E.E.S. 11-8-78
 APP'D BY 11-8-78

REV.	DESCRIPTION	BY	CHK	APPROVED
R8	E5 12-7-92	JA		
R7	E4 9/2/92	SD		
R6	E3 3/2/91	NA		
R5	E2 1/2/91	NA		
R4	E1 12/8/88	PK		

REVISION OF THIS DRAWING ALSO REQUIRES REVISION OF INSTRUCTION MANUAL 2998-9203.

DISCIPLINE	COMMENTS	DATE	BY	APP	REVISION DESCRIPTION
DESIGN					
MECHANICAL					
CIVIL - A/S					
CIVIL - C/M					
CIVIL - ARCH					
ELECTRICAL					
INSTR.					
CONTROLS					
PLUMBING					

NO.	DATE	BY	APP	REVISION DESCRIPTION
1	12/8/88	PK		REVISED VALVE CAP DETAIL (VALVE CAP)
2	1/2/91	NA		REVISED VALVE CAP DETAIL (VALVE CAP)
3	1/2/91	NA		REVISED VALVE CAP DETAIL (VALVE CAP)
4	3/2/91	NA		REVISED VALVE CAP DETAIL (VALVE CAP)
5	9/2/92	SD		REVISED VALVE CAP DETAIL (VALVE CAP)
6	12/7/92	JA		REVISED VALVE CAP DETAIL (VALVE CAP)

INFORMATION ONLY
 VERIFY WITH A CONTROLLED COPY BEFORE USE