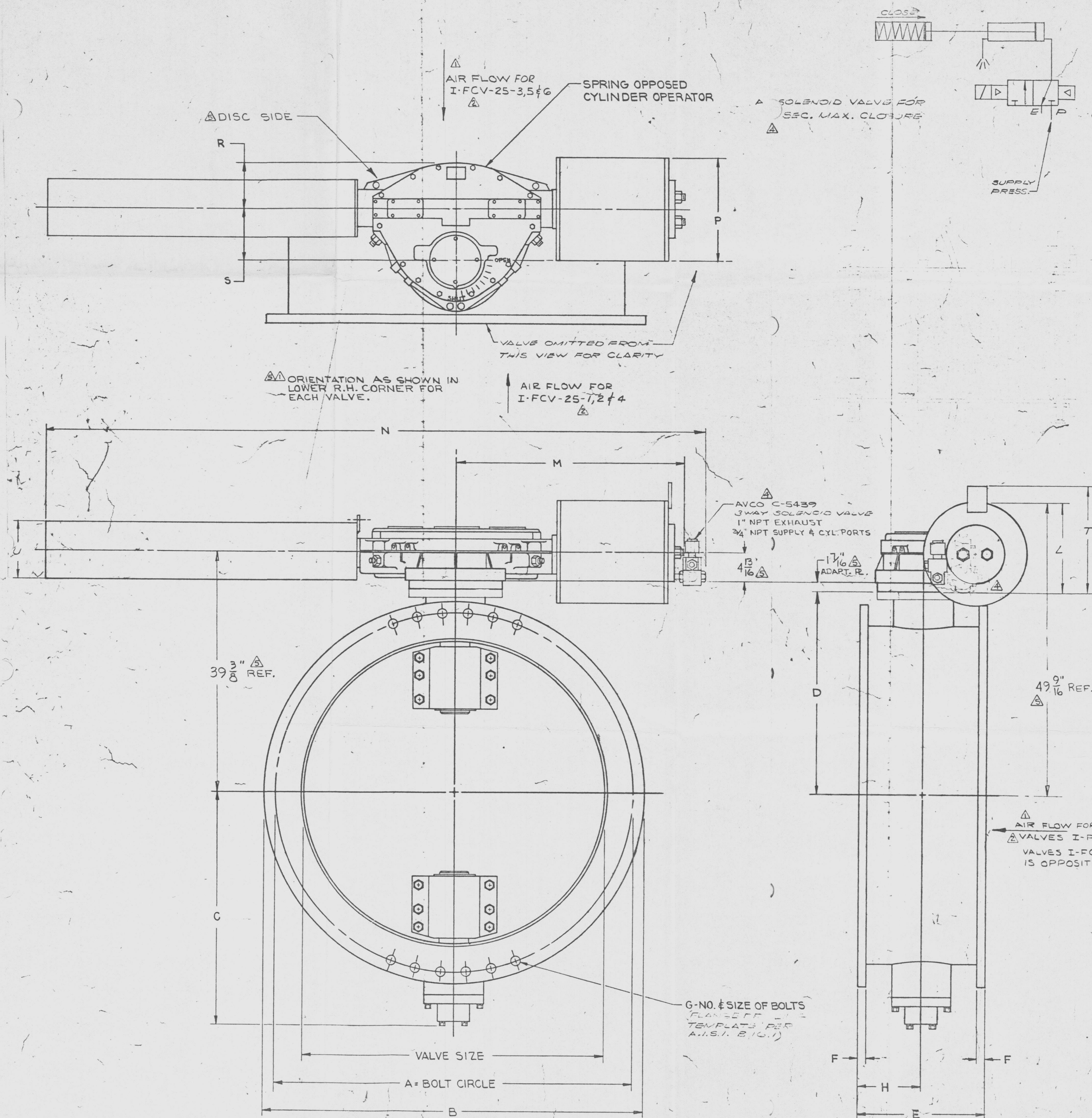




VALVE SIZE	A	B	C	D	E	F	G	H		
36	42 3/4	46	29 15/16	27 3/8	20	1 1/4	32 - 7/8	10		
42	49 1/2	53	32 3/8	30 3/8	20	1 1/4	36 - 1"	10		
48	56	59 1/2	36 3/8	33 3/8	20	1 1/4	40 - 1"	10		
54	62 3/4	66 1/4	40 3/8	36 3/8	20	1 1/4	44 - 1 1/4	10		

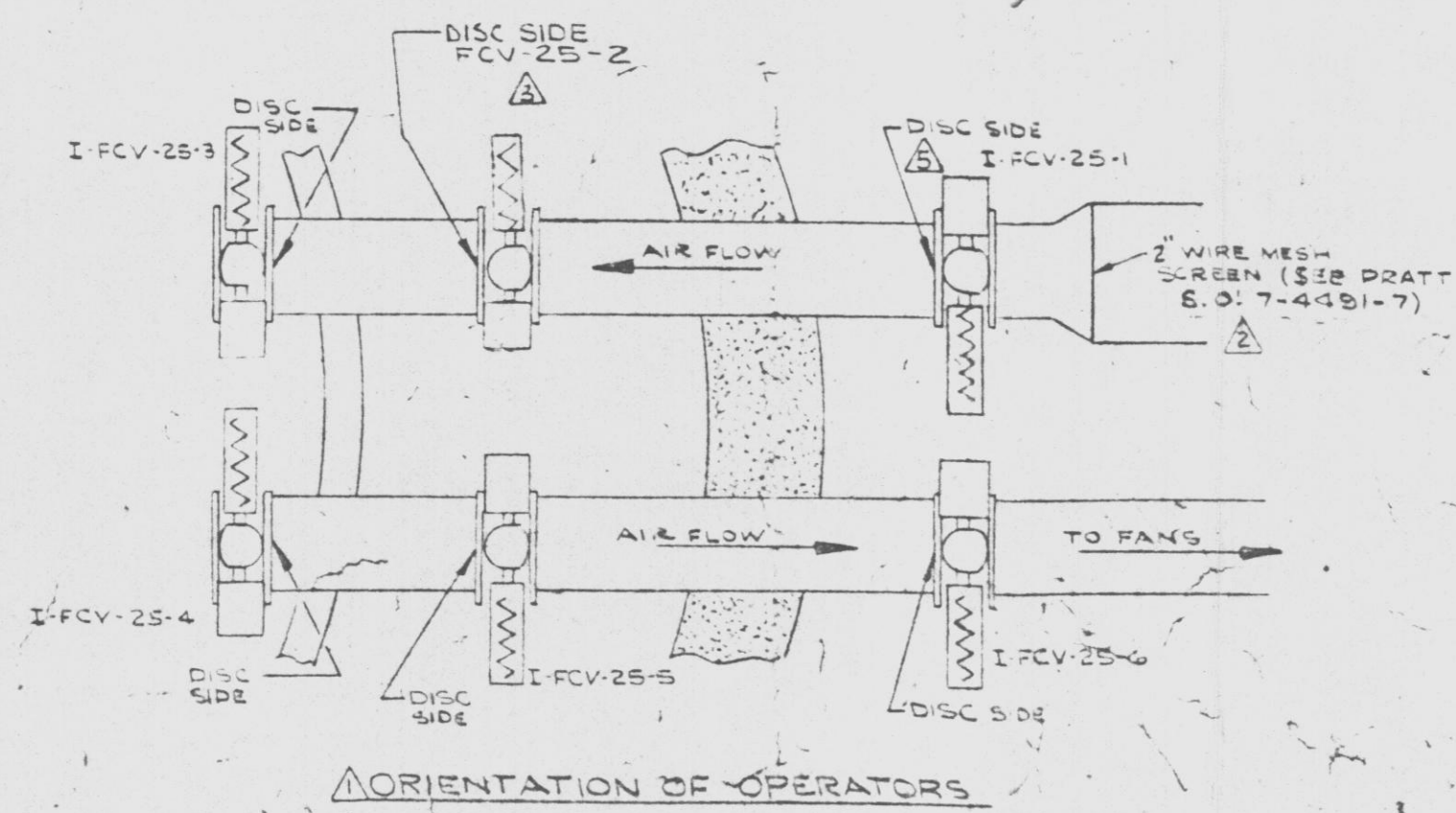
WEIGHT IN LBS (APPROX.)
 VALVE = 5900
 OPERATOR = 1165
 TOTAL = 7065

MODEL 1B2 (-)	L	M	N	P	R	S	T	U		
T-516 SR3	12 15/16	34 1/16	88 1/16	16 1/4	6 1/16	5 1/2				
T-520 SR2	15 3/8	34 1/16	115 3/4	20 1/4	6 1/16	5 1/2	17 1/8	10 3/4		
T-16051	13	34 1/16	98	13 1/2	6 1/16	5 1/2				

ALL DIMENSIONS SHOWN IN INCHES

CUSTOMER: FLORIDA POWER & LIGHT COMPANY
 ENGINEERS: REASCO SERVICES INC. DEPORTED
 SITE: SAINT LUCIE PLANT UNIT NO. 1
 SPECIFICATION: FLO-3770.114
 CUSTOMER P.O. NY-432237
 H. PRATT NO. 7-4431-1
 VALVE TAG NOS. I-FCV-25-1, 2, 3, 4, 5, 6

OPERATING SPECIFICATIONS
 EMERGENCY CLOSING 3 SECS
 NORMAL OPENING 3 SECS
 NORMAL CLOSING 3 SECS
 BETTIS OPERATOR TO CLOSE ON POWER & AIR LOSS.
 CYLINDER AIR SUPPLY, PSIG 70 MIN. 100 MAX.
 SOLENOID: ONE, W/H COIL & NEMA IV ENCLOSURE
 SOLENOID VOLTAGE 125 VOLTS D.C.
 UNIT SWITCH: (1) OPEN, (1) CLOSED NAMCO D-2400X
 UNIT SWITCH VOLTAGE: 125 VOLTS D.C.
 COATING: ONE COAT CARBON-ZINC II
 3 MILS DRY FILM THICKNESS
 PER H. PRATT PROCEDURE A-2143
 VALVE ENERGIZE TO OPEN.
 TO CLOSE ON POWER FAILURE.



NOTES

MACHINING TOLERANCES

UNLESS OTHERWISE SPECIFIED:
 FRACTIONAL DIMENSIONS $\pm 1/64$
 DECIMAL DIMENSIONS $\pm .005$
 ALL ANGLES $\pm 1^\circ$
 DIAMETERS ON COMMON CENTERLINE ARE TO BE CONCENTRIC WITHIN .010 T.I.R.
 MAX. SURFACE ROUGHNESS 125 R.M.S.
 REMOVE ALL BURRS AND BREAK ALL SHARP CORNERS.

CASTING TOLERANCES

UNLESS OTHERWISE SPECIFIED:
 MAX. ALLOWABLE TOL. PER DIMENSIONAL RANGE
 0 THRU 8 $\pm 1/16$ 8 THRU 16 $\pm 1/8$ 16 THRU 60 $\pm 3/16$ ABOVE 60 $\pm 1/4$
 MAX. ALLOWABLE DRAFT 2°
 MAX. ALLOWABLE SHIFT
 CASTING TO BE FLAT WITHIN
 ALL RADII TO BE
 REMOVE ALL FINIS AND FLASH.
 ✓ INDICATES THIS SURFACE TO BE MACHINED.
 PATTERN NO. TO BE SAME AS PART NO.
 LATEST REVISION NO. TO BE CAST BELOW PATTERN NO.
 PRATT SPECIFICATION C.A.S.T. LATEST REVISION IS PART OF THIS DRAWING.

PRO APERTURE CARD

8307190170

MATERIAL SPECIFICATIONS

7-11-73	GD		
3-16-73	GD		
1-19-73	THW		
10-20-72	JW		
GEN. REV.	THW		

REV. DATE BY APP. ROVED REV. DATE BY APP. ROVED

PRATT HENRY PRATT COMPANY AURORA, ILL.

GENERAL ARRANGEMENT
 SPRING OPPOSED CYLINDER
 OPERATED NUCLEAR CLASS
 BUTTERFLY VALVE

SCALE DATE 7-21-73
 DRAWN BY KEY CHECKED BY SPK
 APPROVED L

PART NO. 7-4431-1
 DWG. NO. E-2184