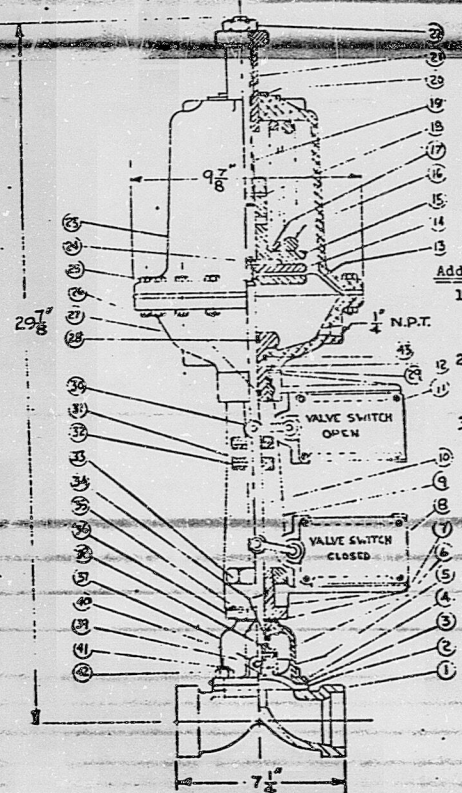




Additional Specifications

1. Machined seating surface under nuts on bonnet flange.
2. Chuck marks on machined ends of weld and valves not permitted.
3. Remove bonnet assembly before welding body into pipeline.

Item 2X4H2R 2DAH2R
Dwg. #WAPD-CV-SS-6R Rev. 3
2" Grinnell Air Motor Diaphragm Valve
3225

LIST OF PARTS

Item	Description	Material	Quantity
1	Socket Weld Body	St. St. ASTM A-351 (Gr. CFP)	1
2	Diaphragm	Grade "M" EPT Nordon	1
3	Gasket	Neoprene	1
4	Compressor	Aluminum	1
5	Spiral Pin	Stainless Steel	1
6	Bonnet Gasket	Neoprene	1
7	Hamco Switch (D2400X-ST-SR)	D.I. ASTM-A-445-66A	1
8	Yoke	Stainless Steel	1
9	Spindle	Stainless Steel	1
10	Hamco Switch (D-2400X-ST)	Brass	1
11	Bushing	Neoprene	1
12	Air Motor Diaphragm	M.I.	1
13	Backing Plates	M.I.	1
14	Spring Seat	Steel	1
15	Spring #101	Steel	1
16	Spring #102	Stainless Steel	1
17	Spiral Pin	Steel	1
18	Spring Rod	Steel	1
19	Washer	Steel	1
20	Adjusting Bushing	Steel	1
21	Yoke Nut	Steel	1
22	Cover (Upper)	D.I. ASTM-A-445-66A	1
23	Spindle Nut	Steel	1
24	Max Cap Screws	Steel, Zinc Plated	18
25	Max Nuts	Steel, Zinc Plated	18
26	Cover (Lower)	D.I. ASTM-A-445-66A	1
27	1/2" Ring #114	EPR	1
28	1/2" Ring #126	EPR	1
29	Lever Arm	Steel	1
30	Switch Actuator	Steel	1
31	Socket Head Set Screw	Steel	1
32	Bushing Nut	EPR	1
33	1/2" Ring #114	EPR	1
34	Label	Vinyl Coated Mylar	1
35	Adapter Bushing	M.I.	1
36	Adapter Bonnet	D.I. ASTM-A-445-66A	1
37	Stop Collar	Steel	1
38	Diaphragm Stud	Brass	1
39	V-Notch Plug	Steel	1
40	Bonnet Studs	Steel ASTM-193	1
41	Bonnet Nuts	Steel ASTM-193	1
42	1/2" Ring 1.5 I.D. x .070 Cross Sect.	EPR	1

* Recommended spare parts
Air required - 73 PSI
Estimated Valve Weight 22 Lbs.

- CV-31323
CV-31321
CV-31322
CV-31254
CV-31255
CV-31201
CV-31256
- Unit 2
Penet 45



Westinghouse Electric Corporation

Atomic Power Division
P.O. Box 355
Pittsburgh, Pa. 15230

Mr. D. M. Leppke, Manager
Nuclear and Advanced Energy Systems
Fluor Service Engineering Company
2 North Riverside Plaza
Chicago, Illinois 60606

DATE 4/8/70
S.O. NO. NSP/NRP-220
P.O. NO. PIW-P-42
REF PIW-P-42-10/25/67

G.O. NO. PIW-P-768
LETTER NO. PA-HB-4468
LETTER NO. PA-HB-4468

GENTLEMEN:
☒ ATTACHED ARE: ☐ SENT UNDER SEPARATE COVERS ARE:
☐ COPIES OF THE SYSTEM DESCRIPTIONS LISTED BELOW.
☐ COPIES OF THE E-SPECS. LISTED BELOW.
☐ PRINTS ☐ REPRODUCIBLES OF THE DRAWINGS LISTED BELOW:
COPIES OF THE

WHOSE STATUS IS:
☐ PRELIMINARY
☒ FINAL
☒ APPROVED FOR CONSTRUCTION
☐ APPROVED AS NOTED
☐ RETURNED FOR CORRECTION

PLEASE NOTE:
☐ REVISIONS
☐ ADDITIONS
☐ OMISSIONS
☐ CORRECTIONS

THESE ARE SENT FOR YOUR:
☐ APPROVAL
☐ COMMENTS
☒ INFORMATION
☐ USE

ITEM DESCRIPTION(S) (TITLE OR SUBJECT) Prairie Island Nuclear Generating Plant E-6197
Grinnell Air-Operated and Manual Diaphragm Valve Drawings
(See Attached Sheet)

REMARKS The attached valve drawings supersede those transmitted by the referenced letter.

PLEASE:
☐ SUBMIT (PRINTS, REPRODUCIBLES) OF "APPROVED" ITEMS
BY (PRINTS, REPRODUCIBLES) OF SHOP DETAIL DRAWINGS
☐ SUBMIT (PRINTS, REPRODUCIBLES) OF SHOP DETAIL DRAWINGS
☐ ACKNOWLEDGE RECEIPT OF THE ABOVE BY RETURNING ONE COPY OF
THIS FORM

PROCEDURE WITH FABRICATION
☐ PURCHASE NECESSARY MATERIALS
RETURN COPY(S) OF THE ABOVE WITH APPROVAL OR COMMENTS
BY
☐ REVISE ITEMS MARKED "APPROVED AS NOTED" AND SUBMIT
REPRODUCIBLES BY
☐ REVISE AND SUBMIT FOR APPROVAL

OTHER DISTRIBUTION
cc: M. Leppke 5L 1P 1R
R. J. Jensen 2L*
A. B. Cutter 2L 1 aperture
V. H. Simon 1L* card
F. M. Sovis 1L*
G. D. Albrecht 1L*
D. C. Beatty 3L 3P
H. J. Bruch 1L 1P
MATERIAL RECEIVED BY
S. Johnston/Fluor NSP/NRP-220/D/1 2L
E. M. Caldwell 1L

Francis D. O'Brien
A. B. Cutter, Manager
Prairie Island Project

VERY TRULY YOURS
A. C. Tsang, Engineer
Hydraulic Equipment

DATE

9902020331

PDR RIDS

9902020331

