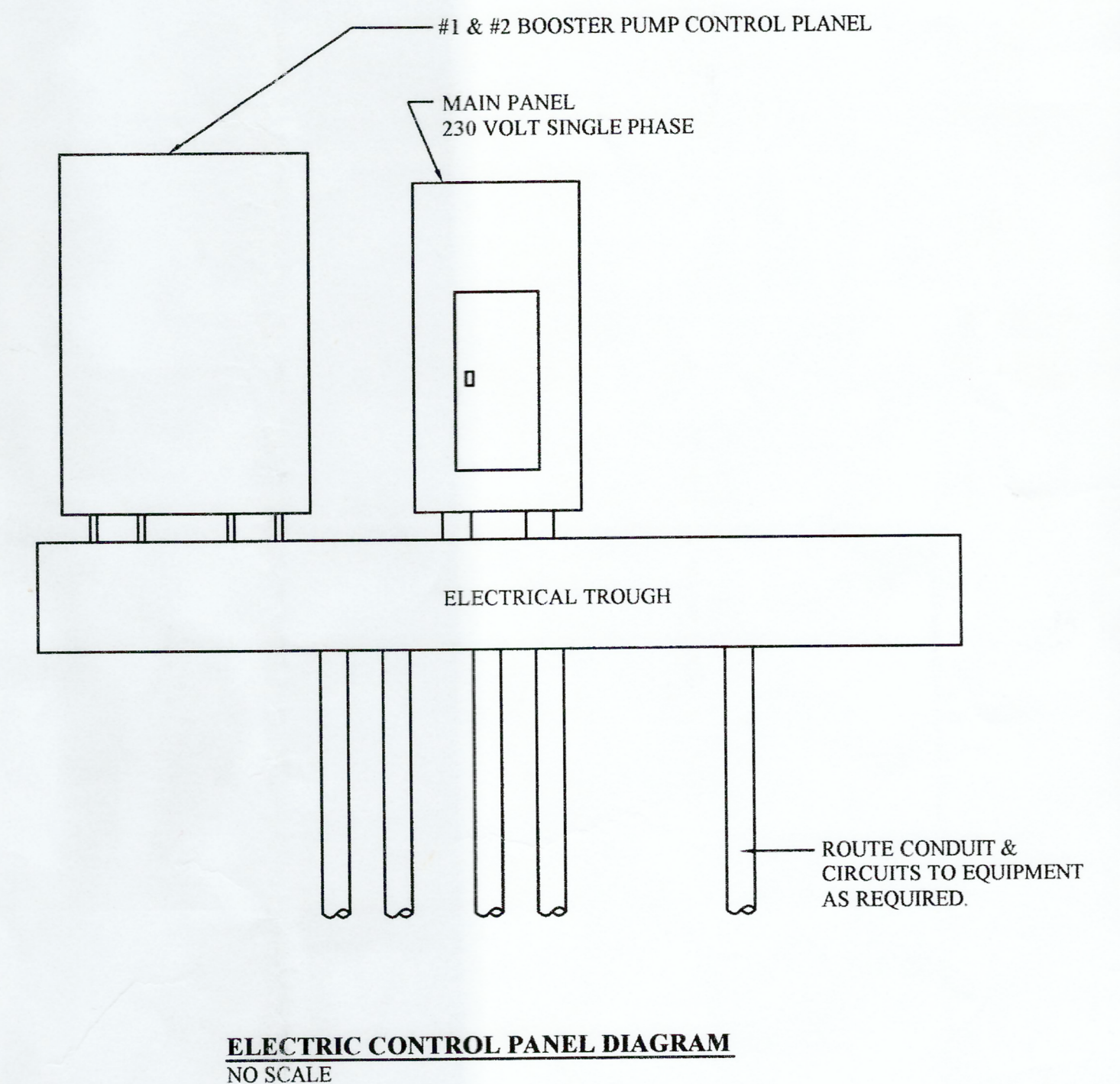
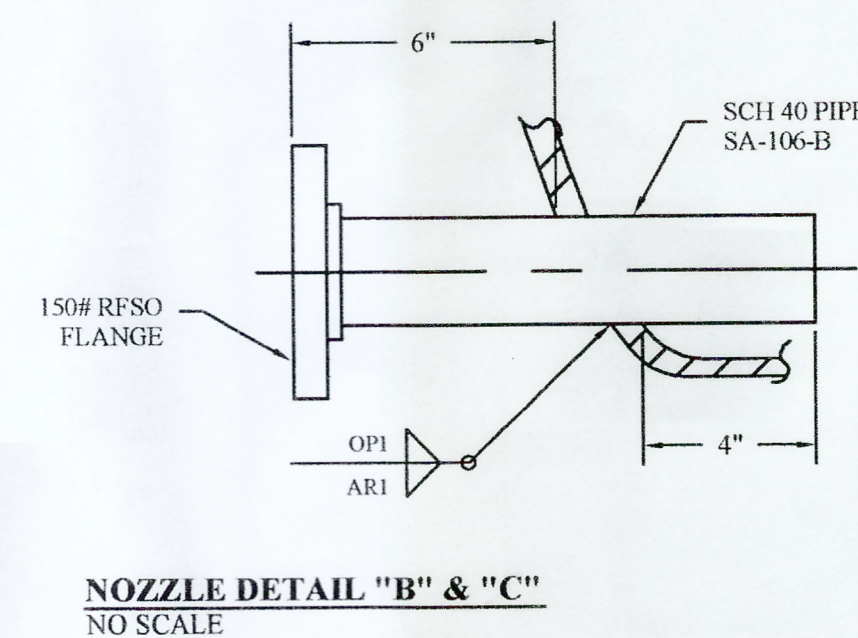
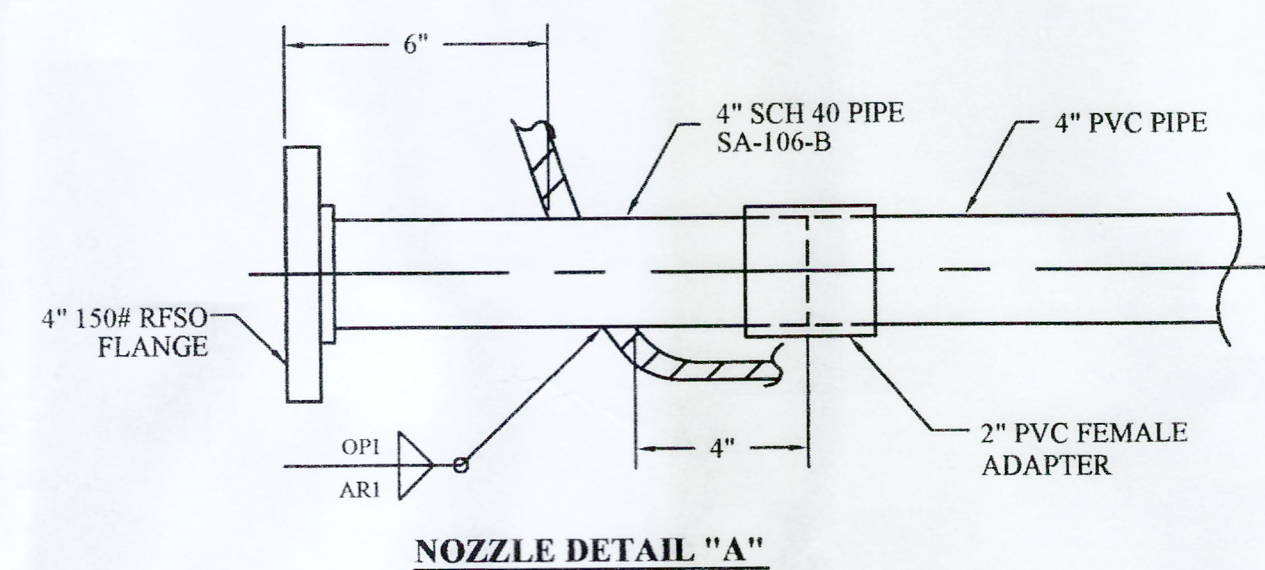
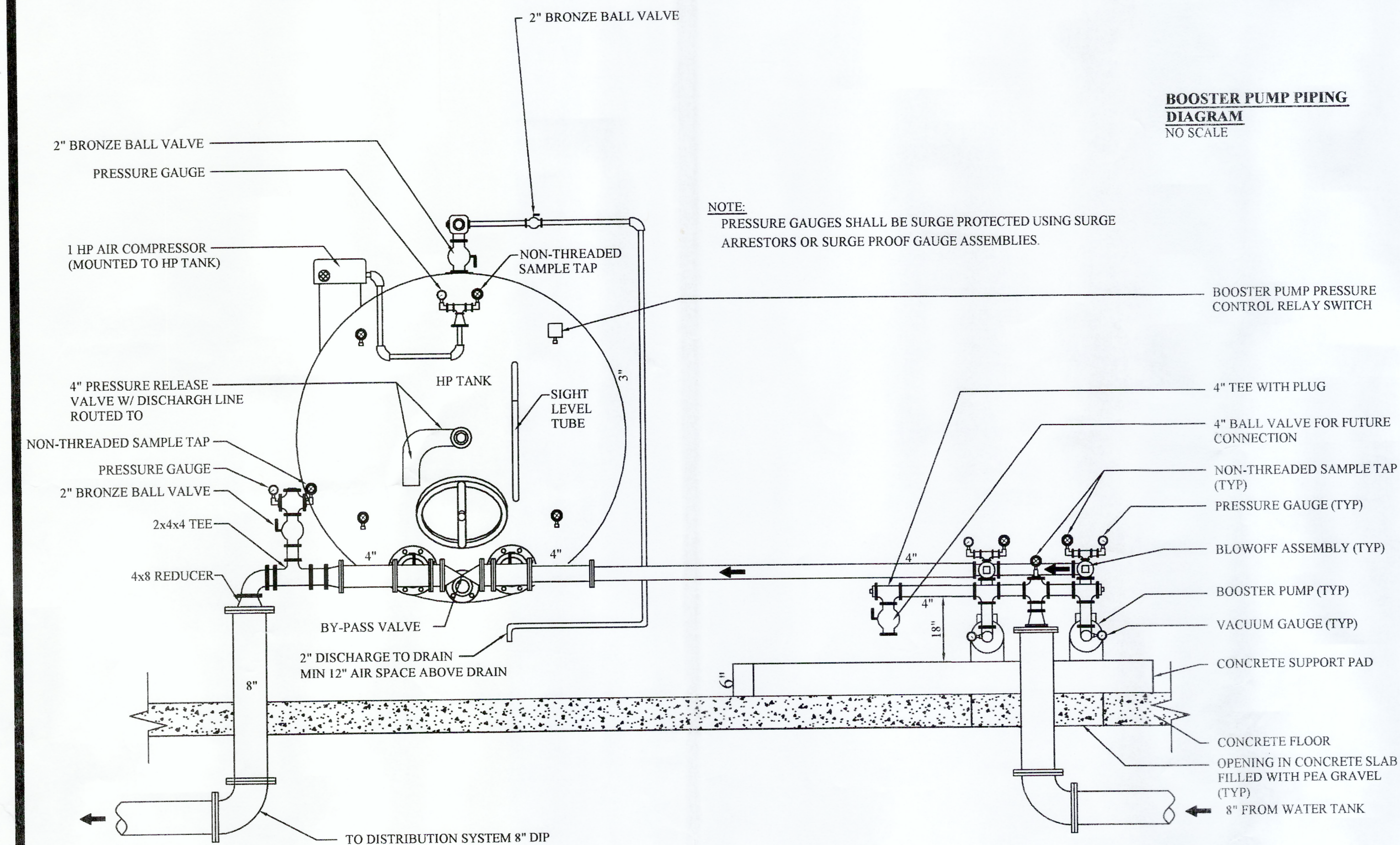


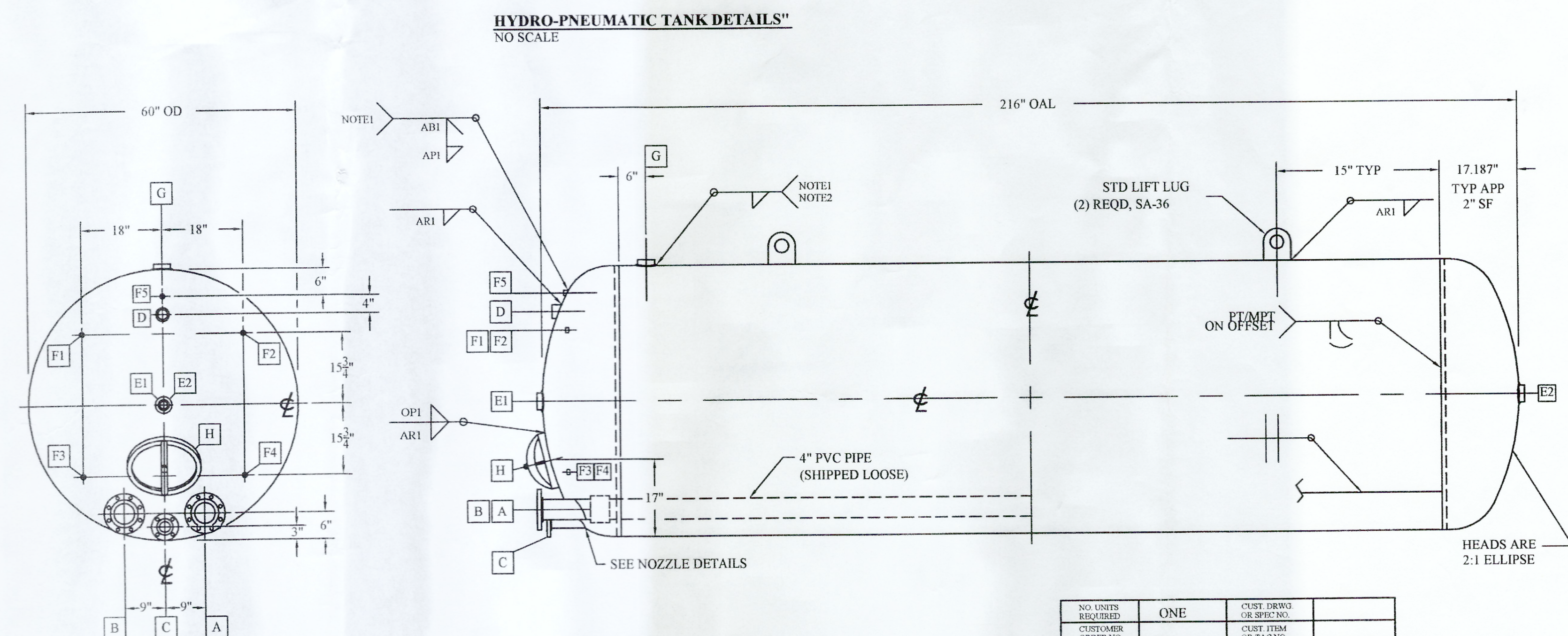


MATERIAL SPECIFICATIONS	
HEADS	0.179" MIN THK SA-516-70
SHELL	1/4" THK SA-516-70
NOZZLE NECKS	SA-106-B
NOZZLE FLANGES	SA-105
COUPLINGS	SA-105
TANK FLANGES	SA-105 / SA-181-70
MANWAY	SA-675-70 / SA-106-C
PIPE	N/A
REINFORCING PADS	N/A
GASKETS	NEOPRENE
BOLTS	N/A
NUTS	N/A
SUPPORTS	SA-36

DESIGN DATA	
DESIGN, FAB. & STAMP	ASME SECT VIII, DIV 1, A00 ADD
DESIGN PRESSURE	100 PSIG
DESIGN TEMPERATURE	250° F
CORROSION ALLOWANCE	NONE
RADIOGRAPHIC EXAM.	NONE
JOINT EFFICIENCY	85% HEADS & 70% SHELL
TEST PRESSURE	130 PSIG
PWHT	NOT REQUIRED
MDMT	-20° F
TOLERANCE	ES-124A
STORAGE CAPACITY	2500 GALLONS
EMPTY WEIGHT	3585 LBS.

WELD PROCEDURES	
P1/ASA	
P1/MMA	
P1/FCAW-GS	
P1/MIG	
P1/TIG	

NOZZLE SCHEDULE							
MARK	NO.	SIZE	RATING	FLANGE & FACING	NECK SCHEDULE	RE-PAD SIZE	SERVICE
A	1	4"	150#	RFSSO FLG	SCH 40	N/A	INLET
B	1	4"	150#	RFSSO FLG	SCH 40	N/A	OUTLET
C	1	2"	150#	RFSSO FLG	SCH 40	N/A	DRAIN
D	1	2"	3000#	FULL CPLG	-	N/A	RELIEF VALVE
E	2	1 1/2"	3000#	FLAT TK FLG	-	N/A	-
F	5	1/2"	3000#	FULL CPLG	-	N/A	GAGE
G	1	2"	-	CURVED TK FLG	-	N/A	AIR VOL. CTRL.
H	1	11"x15"	-	ELLIPTICAL	3/4"	N/A	MANWAY



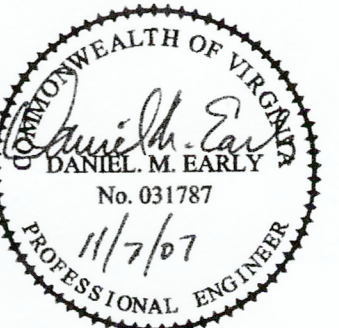
Interior: Sandblast per SSPC-SP-10 and line with (2) coats of Tnemec Pota-Pox fc20 white at 4-5 mils dft per coat.

Exterior: Prime with (1) coat of red oxide primer and color selection by owner.

Notes:

- For tank flange weld details see dwg. A-97-afitfl.
- Ship (2) std. saddles loose with vessel, painted same as tank exterior.
- When lifting, a spreader bar is req'd. Max. Sling angle is 15 degrees.
- For std. flange attachment, see dwg. A-97-afitfl.

NO UNITS REQUIRED	ONE	CUST. DRWG OR SPEC'G	
CUSTOMER ORDER NO.		CUST. ITEM OR TAG NO.	
HORIZONTAL HYDRO-PNEUMATIC TANK MODEL HP100-2500E-6018 (60" O.D. x 18'-0" O.A.L.)			
JOB NUMBER	DRAWN BY	DATE	DRAWING NUMBER
	DWM	9-12-01	B-01-16863
CHECKED BY	APPROVED BY		REV
CRC-9-12-01	CRC-9-12-01		0



ACS DESIGN

ENGINEERING • SURVEYING
LANDSCAPE ARCHITECTURE
CONSTRUCTION MANAGEMENT

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The Coves at Smith Mountain Lake
Optima Properties-Smith Mountain Lake, LLC
Franklin County, Virginia

DRAWN BY: AH
DESIGNED BY: DME
CHECKED BY: DME
DATE: 01 MAY 2006
JOB NUMBER: 05271

REVISIONS:

No. 1	8/23/06
No. 2	1/19/07
Revise Per VDOT Comments	
No. 3	5/11/2007
Final For Construction	
No. 4	11/7/2007
Water System Revisions	

SHEET NO.:
C4.4

HP TANK
DETAILS