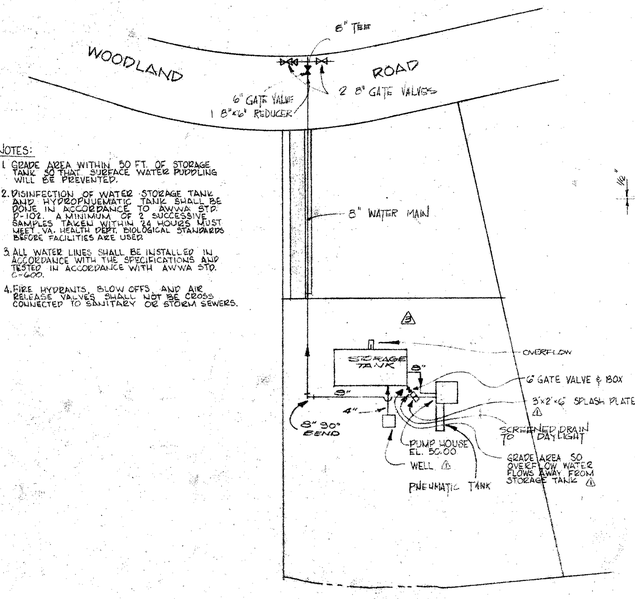
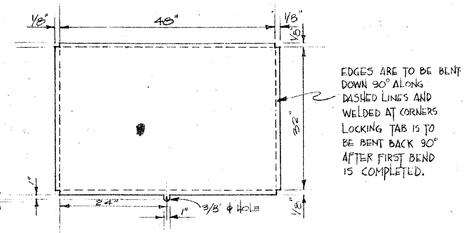


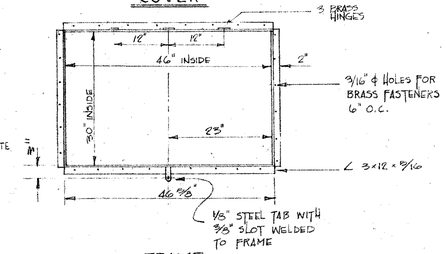
NOTES:

1. GRADE AREA WITHIN 50 FT. OF STORAGE TANK SO THAT SURFACE WATER PUDDLING WILL BE PREVENTED.
2. DISINFECTION OF WATER STORAGE TANK AND HYDROPNEUMATIC TANK SHALL BE DONE IN ACCORDANCE TO AWWA STD. P-102. A MINIMUM OF 2 SUCCESSIVE SAMPLES TAKEN WITHIN 24 HOURS MUST MEET VA. HEALTH DEPT. BIOLOGICAL STANDARDS BEFORE FACILITIES ARE USED.
3. ALL WATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AND TESTED IN ACCORDANCE WITH AWWA STD. C-600.
4. FIRE HYDRANTS, BLOW OFFS, AND AIR RELEASE VALVES SHALL NOT BE CROSS CONNECTED TO SANITARY OR STORM SEWERS.

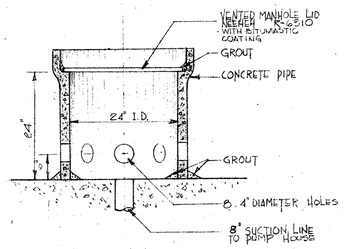
SITE PLAN
SCALE 1" = 50'-0"



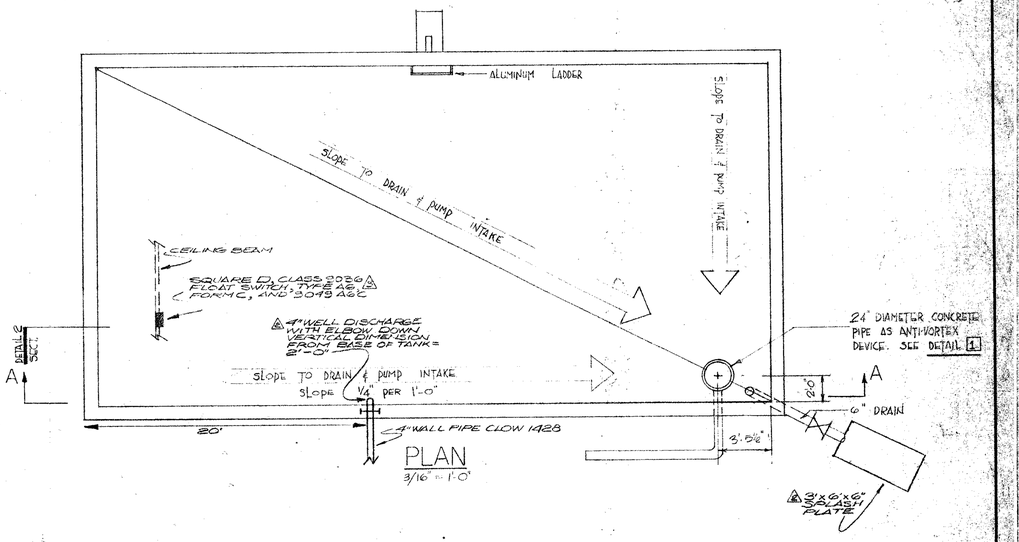
COVER



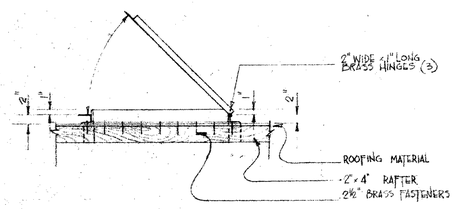
FRAME



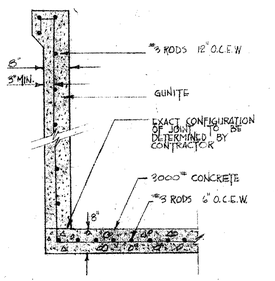
DETAIL 1 ANTIVORTEX SHIELD
3/4" = 1'-0"



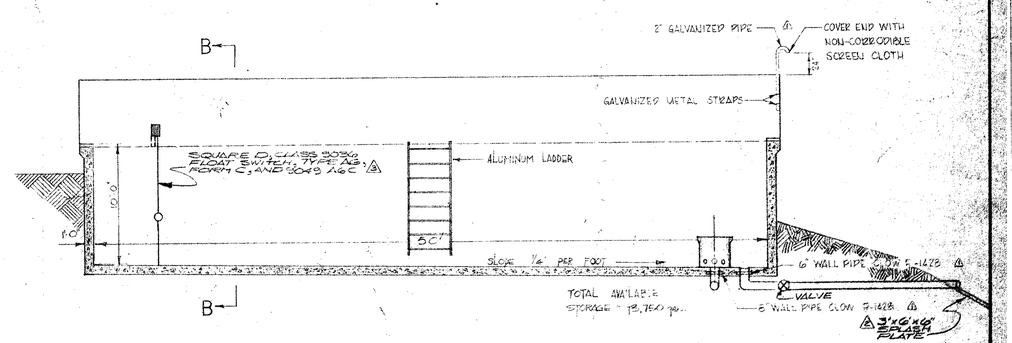
PLAN
3/16" = 1'-0"



SIDE VIEW
TRAP DOOR DETAIL 3
3/4" = 1'-0"



DETAIL - 2 WALL SECTION
1/2" = 1'-0"



SECTION A-A
3/16" = 1'-0"

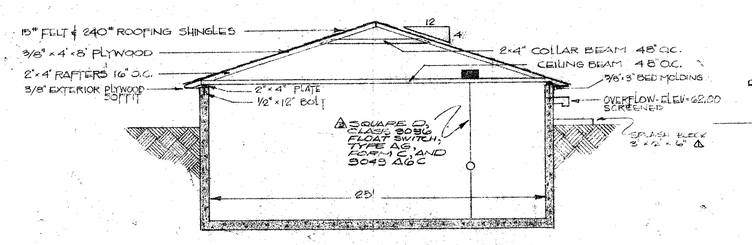
WELL DATA:

GROUND LEVEL	50'
STATIC WATER LEVEL	-15'
DRAWDOWN ELEVATION	-195'
DEPTH TO WATER	247'
MAX. ELEV. STORAGE WATER	66'
STATIC LIFT	214'

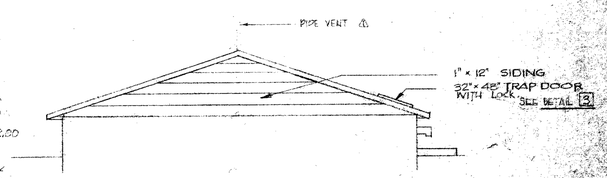
DESIGN HEAD
100' x 0.008 = 0.80'
T.D.H. = 260'

WELL PUMP - JACUZZI : 6" SUBMERSIBLE
7 1/2 HP. SERIES 5GB MODEL
#75G6B.B RATED 80 GPM.
@ 250' T.D.H. & 75 GPM.
@ 260' T.D.H.

HIGH SERVICE PUMPS: SEE SHEET 1



SECTION B-B
3/16" = 1'-0"



ELEVATION
3/16" = 1'-0"

COMMONWEALTH OF VIRGINIA
WILLIAM A. ROEN
No. 8150
CERTIFIED PROFESSIONAL ENGINEER

DRAPER – ADEN ASSOCIATES, INC. ENGINEERS · SURVEYORS · PLANNERS BLACKSBURG, VIRGINIA	DESIGNED D.L. DR. DRAWN D.L. E.T. C.W. CHECKED W.A.A. D.R. DATE 8 APRIL 75	WATER STORAGE FACILITIES BEECHWOOD MANOR SUBDIVISION – HOPEWELL, VIRGINIA	REVISIONS: 5/23/75 - REMOVED NOTE 1 - 20 JUNE 1975 2 - 23 JULY 1975 3 - 27 FEB 1976	SCALE: AS SHOWN PLAN Nº T-74-366	SHEET 3 OF 4