

Tank Selection Table

(Based on 20 inches of depth)

Tank Dia.	Sackcrete (80 lbs. Bags)
6'	10 bags
8'	16 bags
10'	20 bags

6.0' Tank	--- 353 Gal.
6.5' Tank	--- 414 Gal.
7.0' Tank	--- 480 Gal.
7.5' Tank	--- 552 Gal.
8.0' Tank	--- 628 Gal.
8.5' Tank	--- 708 Gal.
9.0' Tank	--- 794 Gal.
9.5' Tank	--- 885 Gal.
10.0' Tank	--- 981 Gal.

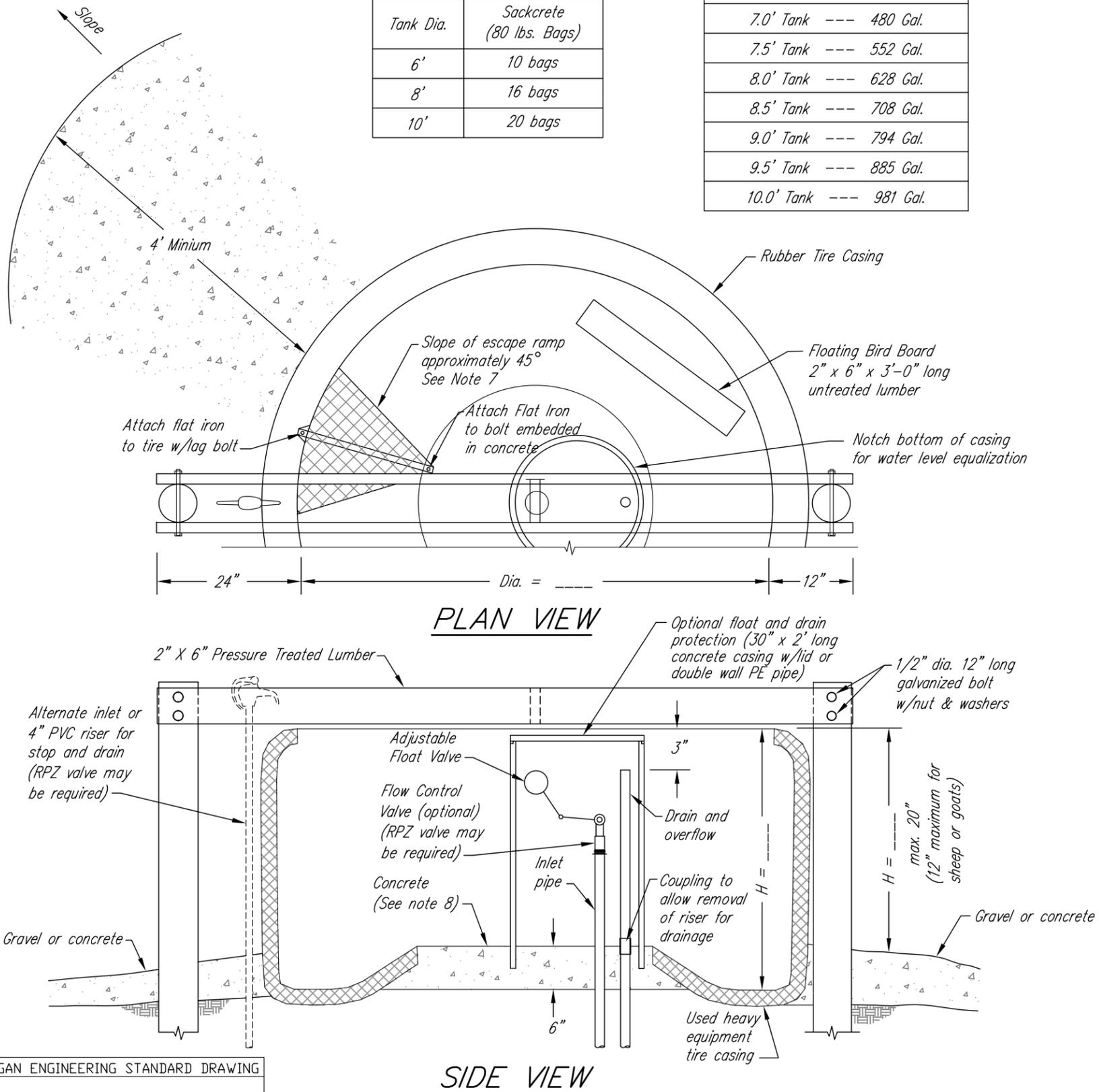


TABLE OF QUANTITIES				
ITEM NO.	ITEM	UNIT	QUANTITY PER TANK (A)	"AS BUILT"
1	Used Rubber Tire Casing	Each	1	
2	Concrete (sackcrete)	Bags		
3	2' x 6" Treated Lumber	Each	2	
4	6" dia. 6'-0" long Treated Posts	Each	2	
5	30" x 2' Casing w/Lid	Each	1	
6	Frost Free Hydrant	Each	1	
7	Stop and Drain	Feet	As Needed	
8	PVC Drain	Feet	As Needed	
9	Animal Escape Ramp (optional)	Each		

Notes:

1. Overflow & drain pipe shall be minimum of 2" in diameter.
2. Drain pipe shall be graded to allow drainage.
3. Protect drain pipe at outlet end.
4. Set bottom of tank approx. 8" below existing ground level.
5. Use pre-mixed bags of sackrete or equal for concrete.
6. Used tire casing shall be free of cuts, rips, and holes. Tire casing must not be worn beyond tread depth.
7. As a minimum, a floating "bird board" is required in the tank. However, the recommended method is to install an escape ramp which will provide a positive means of escape for any bird or animal.
8. Alternative methods to sealing bottom with concrete include: 1/2" thick steel plate, 1" thick rubber (conveyor belt material), or 3/16" thick fiberglass secured to tire bead with lag bolts and caulked with a silicone sealant to insure a good water tight seal.
9. A 4" PVC riser w/cap shall be used for a stop and drain.

MICHIGAN ENGINEERING STANDARD DRAWING			
FILE NAME	MI-815-B	1-11.dwg	
STANDARD DWG. NO.	MI-815-B		
DATE	1-11	SHEET	1 OF 1

Adapted from : NRCS South Dakota Standard Drawing 14.5C

Dimensions in inches or feet-inches

Not to Scale

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

Used Heavy Equipment Tire Casing
 Stockwater Tank with Concrete Bottom
 Co., Michigan
 Township, T. -R., Sec.



File Name _____
 Drawing Name _____
 Sheet _____ of _____