



INSTRUCTION MANUAL

INSTALLATION

CAST IRON & FIBERGLASS SUMP BASINS

2

Cast iron and fiberglass sump basins are installed in a similar manner except more care should be taken in providing a suitable anchorage for fiberglass basins.

The following chart illustrates the volumes of concrete to be placed with the various size fiberglass sumps available from Aurora Pump. This chart is

intended to aid you in providing suitable concrete anchoring to prevent floatation in wet soil.

With cast iron sump basins, floatation is usually not as critical as with fiberglass and the specific installation procedures outlined in many city building codes should be followed; consequently these instructions should be used to supplement the existing code in your area.

VOLUME OF CONCRETE REQ'D IN CUBIC FEET										
DIAMETER OF SUMP BASIN	FIBERGLASS BASINS ONLY									
	DEPTH									
	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'
24"	4	6	7	8	10	11	13	14	16	17
30"	6	8	10	12	14	16	18	20	22	24
36"	9	12	15	17	20	23	26	29	32	35
42"	12	16	20	24	28	32	36	40	44	48
48"	17	22	28	34	39	45	50	56	61	67
60"	23	31	39	47	55	63	71	79	87	95
72"	30	41	52	63	74	85	96	107	118	129

Based on approx. 150 lb. per cu. ft. avg. wt. of concrete
NOTE: 27 cu. ft. — One yard concrete.

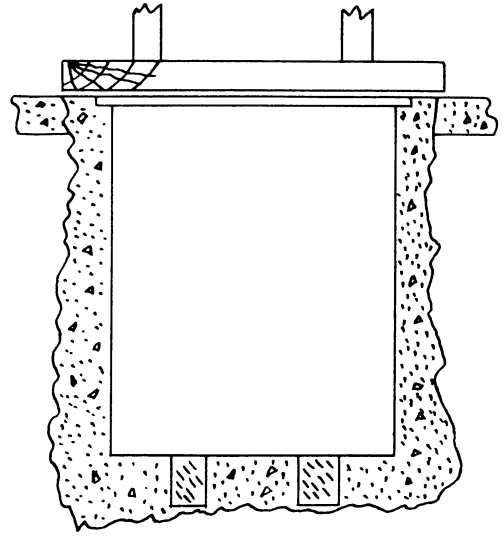
SUMP BASIN INSTALLATION

TYPICAL METHOD NO. 1

Set and shim basin to finish floor elevation.

Provide timber support to hold basin in position until concrete sets. Pour minimum amount of concrete required for anchor or completely encase basin in concrete.

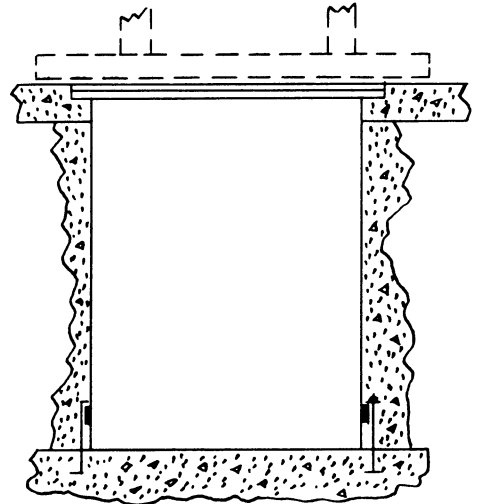
Sufficient weight for fiberglass basins can be provided by filling or partially filling the basin with water or concrete blocks, soil pipe, etc. and then pouring the concrete in two or more steps. Allow the first pour to set thereby anchoring the basin adequately for the second concrete pour or further encasement.



TYPICAL METHOD NO. 2

Pour concrete pad in bottom of hole slightly deeper than overall height of tank.

Allow for coverplate if same is to be flush with finish floor and also allow for thickness of sump bottom. Shim basin to suit after concrete pad has set and pour remainder of required concrete anchor.



NOTE: Some larger size fiberglass basins are equipped with anchoring ridges near the bottom. Reinforcing rods or threaded bolts and washers may be used to help prevent floatation until the second concrete pour has set.