



**PUMP COMPANY**

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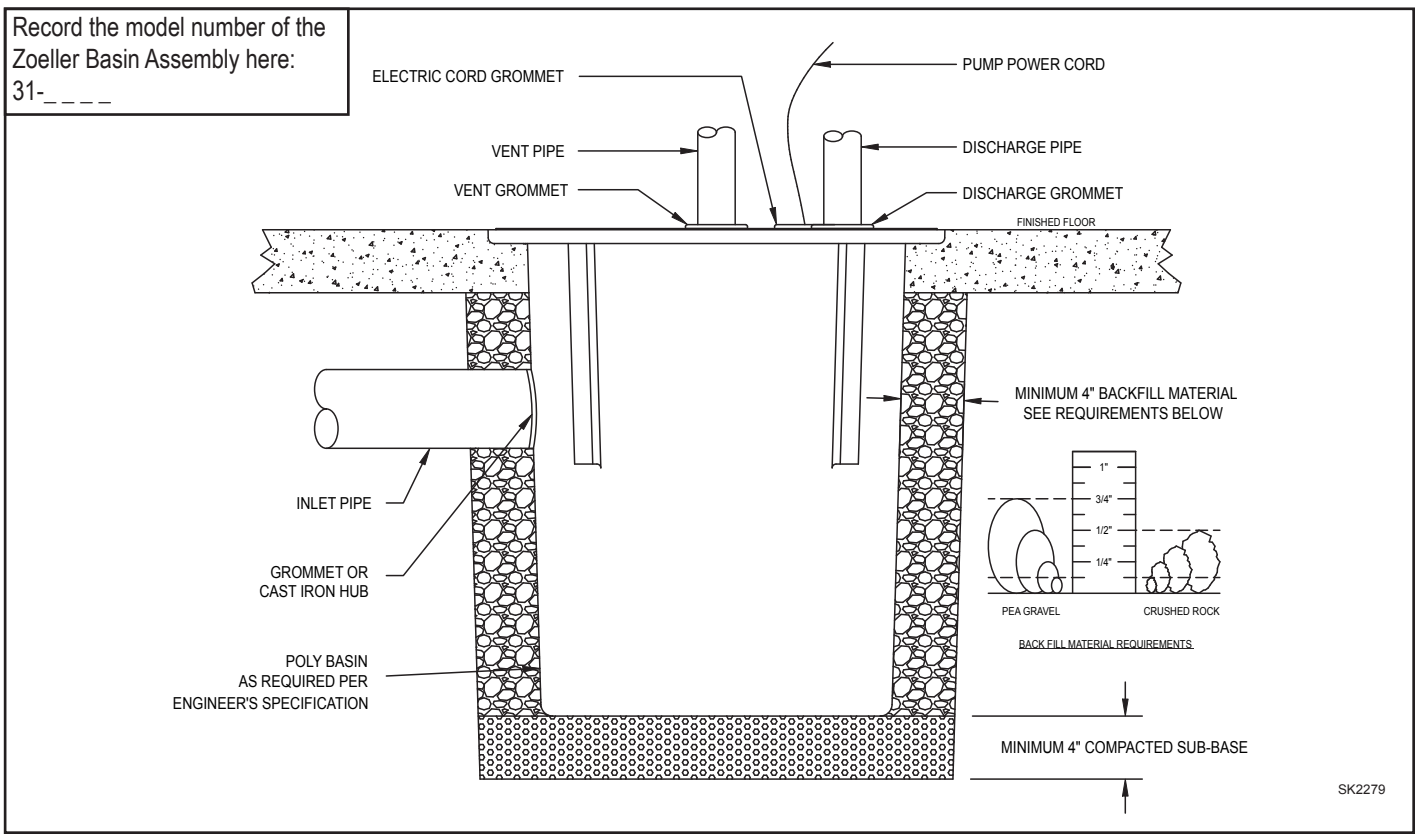
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# BASIN INSTALLATION INSTRUCTIONS



## POLYETHYLENE "INDOOR" APPLICATION

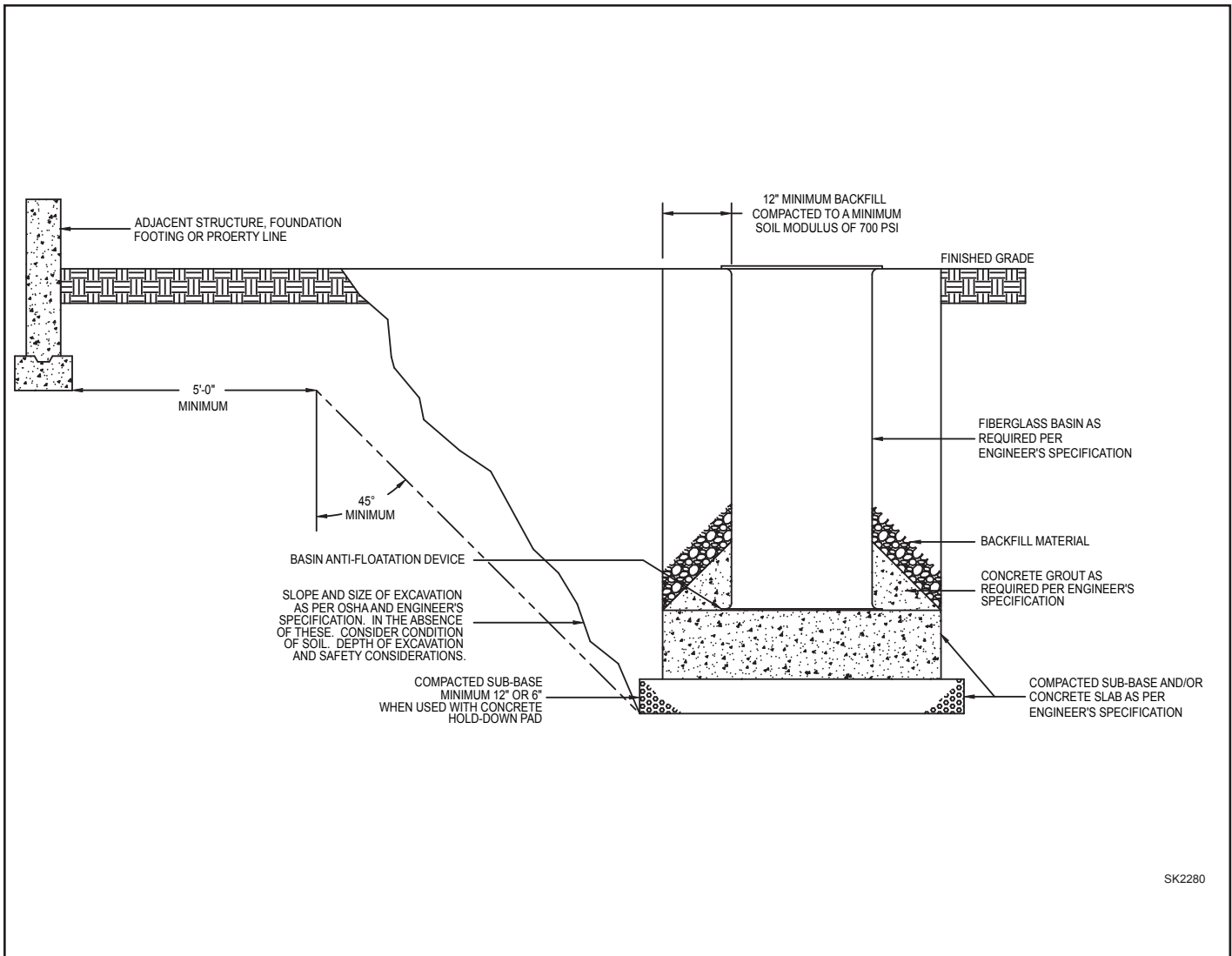
1. Inspect your basin assembly. If the unit has been damaged in shipment or if parts are missing, contact your distributor before installing.
2. Carefully read all literature to familiarize yourself with details regarding installation and use. Retain materials for future reference.
3. All installations must comply with all applicable electrical and plumbing codes, including but not limited to the National Electrical Code, local, regional and/or state plumbing codes, etc.
4. Dig a hole for the basin. The basin should be located in a very low traffic area proximate to an appropriate electrical outlet. The hole should be at least 8" larger in diameter than the basin in order to leave 4" of backfill all the way around the perimeter. A minimum of 4" of compacted subbase is also required. Backfill and subbase should be 1/8" to 3/4" pea gravel or 1/8" to 1/2" crushed stone.
5. The 4" inlet should be located between the top lip of the basin and the alarm float "on" level with a minimum distance of 24 inches between the floor of the basin and inlet. Determine the location of the inlet based upon your inlet pipe arrangement. The inlet must be used with 4" pipe. It should be installed on the side of the basin opposite
6. the float switches. To install a 4" cast iron inlet hub, use a 4" holesaw to drill into the side of the basin at the correct elevation. Center the hub inner diameter with the hole in the basin. Attach the hub to the side of the basin using the sealant and hardware provided. To install a pipe seal, use a 5" holesaw to drill into the side of the basin at the correct elevation. Insert the pipe seal from the outside of the basin.
7. The cover bolts should be installed into their threaded inserts to prevent damage to the threads during the final stages of installation.
8. Carefully set the basin in the hole and connect the 4" inlet pipe. If using a cast iron hub, seal the pipe to the flange with approved caulk or gasket. If using a pipe seal, use liquid soap as a lubricant if necessary. Backfill around the basin with specified media. Care should be taken not to damage components or leave voids when backfilling. Finish grade of floor should be poured in place around the top 6" of the basin assembly.
9. Clean any debris out of the basin.



# FIBERGLASS "OUTDOOR" APPLICATION

1. **Inspect your basin assembly.** If the unit has been damaged in shipment or if parts are missing, contact your distributor before installing.
2. **Carefully read all literature** to familiarize yourself with details regarding installation and use. Retain materials for future reference.
3. All installations must comply with all applicable electrical and plumbing codes, including but not limited to the National Electrical Code, local, regional and/or state plumbing codes, etc.
4. Dig a hole for the basin. The hole should be at least 24" larger in diameter than the basin diameter to provide 12" of backfill all around and deep enough to provide either 12" of compacted backfill or 6" when a concrete pad is required. Ensure the removable cover extends above the finished grade line and the grade slopes away from the unit. Backfill and subbase should be 1/8" - 3/4" pea gravel or 1/8" - 1/2" crushed stone.
5. **Note: Care must be taken when excavating in order to avoid underground utilities and disturbance of existing structure foundations. The hole should be located at least ten feet from adjacent structures. Additional distance may be required to sufficiently locate the basin outside of the loading area of the adjacent structures.**
6. Determine the location of the inlet based upon your inlet pipe arrangement. The inlet must be used with 4" pipe. It should be installed on

- the side of the basin opposite the float switches. To install a 4" cast iron inlet hub, use a 4" holesaw to drill into the side of the basin at the correct elevation. Center the hub inner diameter with the hole in the basin. Attach the hub to the side of the basin using the sealant and hardware provided. To install a pipe seal, use a 5" holesaw to drill into the side of the basin at the correct elevation. Insert the pipe seal from the outside of the basin.
7. The bottom of the excavation can now be back filled and compacted. Set the basin in the hole and connect the 4" inlet pipe. If using a cast iron hub, seal the pipe to the flange with approved caulk or gasket. If using a pipe seal, use liquid soap as a lubricant if necessary.
  8. The cover bolts should be installed into their threaded inserts to prevent damage to the threads during the final stages of installation.
  9. Pouring a concrete anchor around system can now be completed. Basin should be filled with water when pouring concrete to minimize movement of the system. Backfill around basin with specified media. Care should be used to avoid damaging components or leaving voids when back filling.
  10. **Note: Venting can be installed on basin cover as necessary according to all applicable national, state, and local plumbing codes.**
  11. Clean any debris out of the basin.



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