

PUL CONEKT IN-FLOOR NOZZLE PLUMBING

LAYOUT & TRENCHING

NOTE: The plumber should be responsible for hand digging the trenches within the pool in order to maintain an accurate head layout.

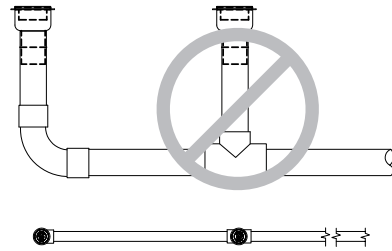
All trenches should be a minimum of 6". Excavate a niche for the feed lines near the transitional break or center of the pool to reduce the amount of piping required.

IN-FLOOR NOZZLE PLUMBING

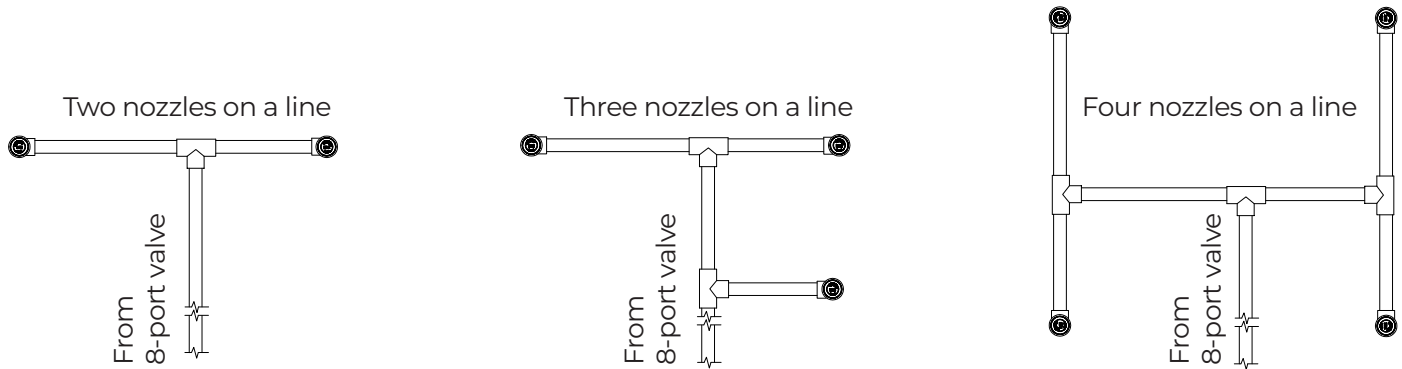
Refer to the PUL pool plan for nozzle placements and zone mapping.

NOTE: All lines must be plumbed on a separate branch with a tee fitting. Do not plumb nozzles in line.

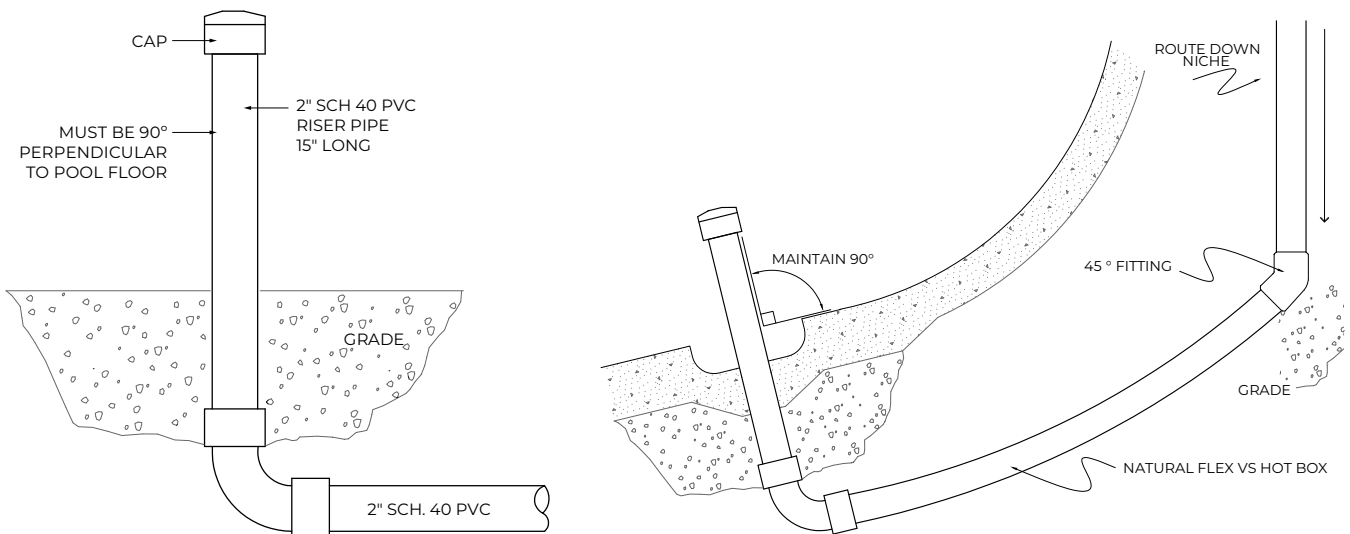
DO NOT PLUMB NOZZLES IN LINE IN POOL

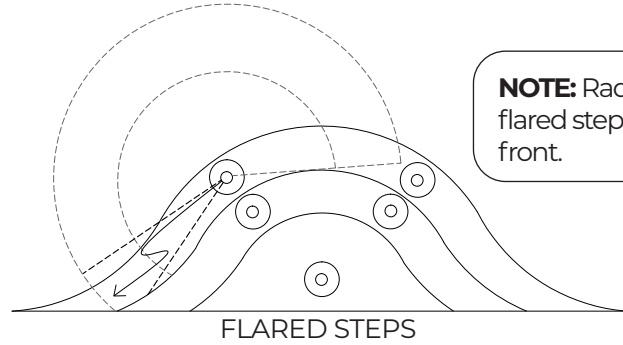
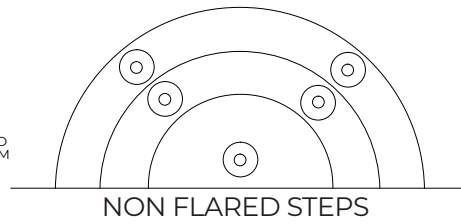
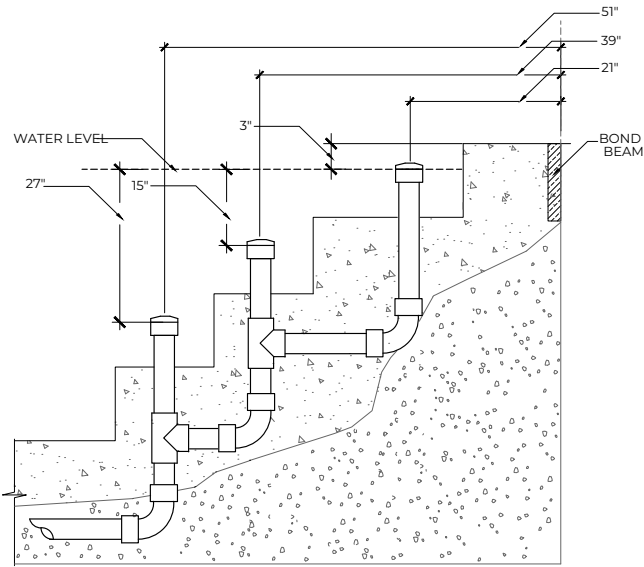


NOTE: The dimensions shown on the PUL Head Layout are from finished wall and not actual excavation. Therefore, allow for an additional 8"-12" from the excavated wall to account for structure and surface. Refer to pool design/drawings and coordinate prior to rough-in.



Install 2" sch. 40 PVC, 15" riser and 2"-90° elbow at each nozzle location. Risers must maintain a 90° angle to the finished pool floor. Glue 2" cap on the open end of each riser to seal for pressure test. In areas where the floor is not level, combine a 90° sweep elbow, a 45° standard elbow, and a length of pipe between the two fittings to maintain a 90°





STEPS & BENCH PLUMBING LAYOUT

The optimal placement of the nozzles should be no more than 4" from the front of the finished step, other than the top step which should be no more than 6" from the back of finished step.

The dimensions for placement of nozzles on steps should be taken from the back of the 'bond beam form' to the centers of the risers. The vertical dimensions should be measured from the top of the 'bond beam form' (water level), to the top of the 2" pipe on the risers.

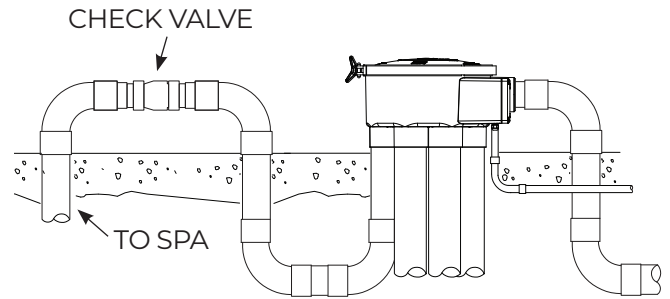
IMPORTANT: Do not try to set the height of the risers by measuring from the base. Always allow for extra pipe.

SPA PLUMBING

Refer to the PUL pool plan for spa cleaning zone.

If the spa is raised, a check valve must be installed in order to avoid draining spa back to the pool through the cleaning system.

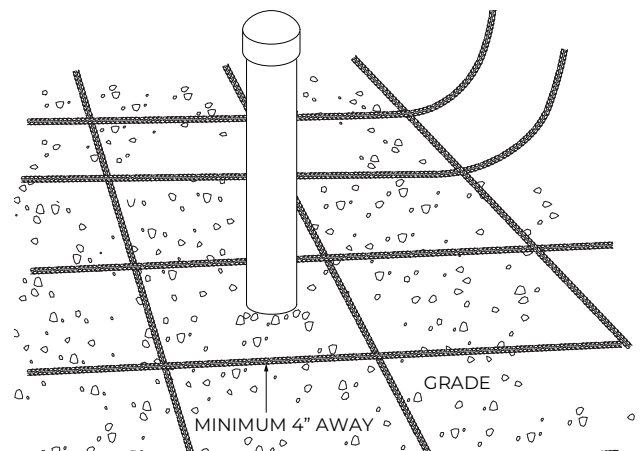
NOTE: If any water level in the pool is above the 8-port valve a check valve is required.



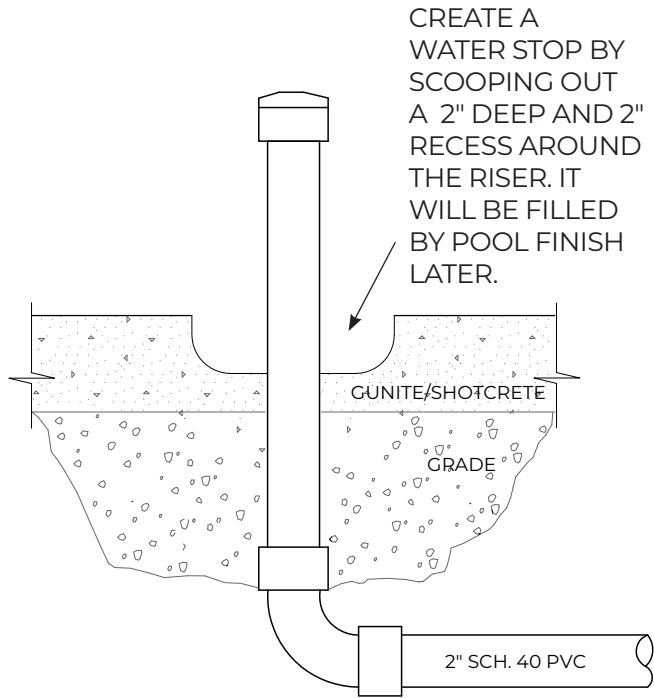
Programming system automation: Ensure that the spa has priority over the in-floor cleaning system. Set program to turn off the in-floor cleaning system when the spa is in operation to avoid cold water from circulating into the spa while it is in use.

REBAR

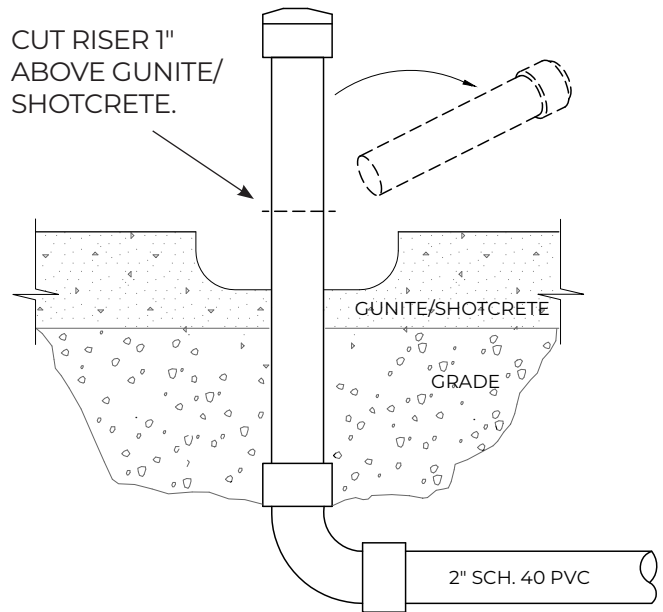
Rebar must be a minimum 4" away from the riser pipes. Bend rebar if necessary.



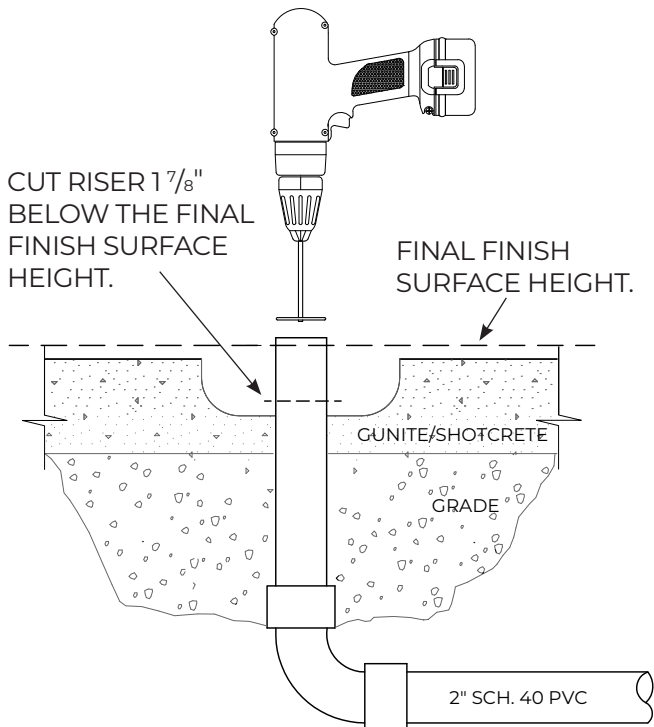
STEP 1 CUTOUT AROUND RISER



STEP 2 ROUGH CUT OF RISER



STEP 3 FINAL CUT OF RISER



STEP 4 TEST FIT & INSTALL/GLUE NOZZLE BODY

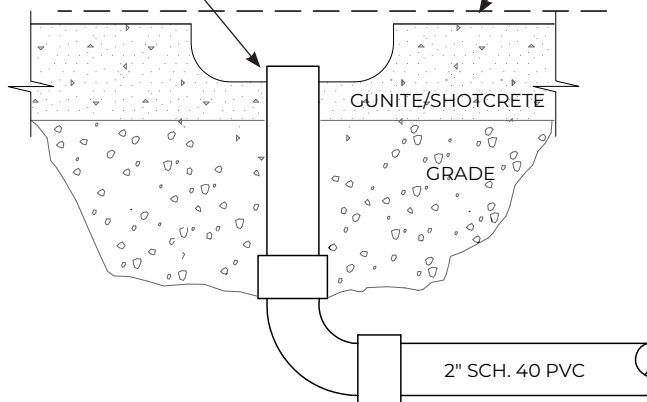
It is recommended to twist the nozzle body to assure proper glue set.

NOTE: Wipe off any excess glue inside the body and pipe. Clear the line of any debris that could have fallen in. Plaster caps are to remain in place during finishing process. The Caps may be removed upon completion of pool finish or at system start up based on contractor preference and direction.

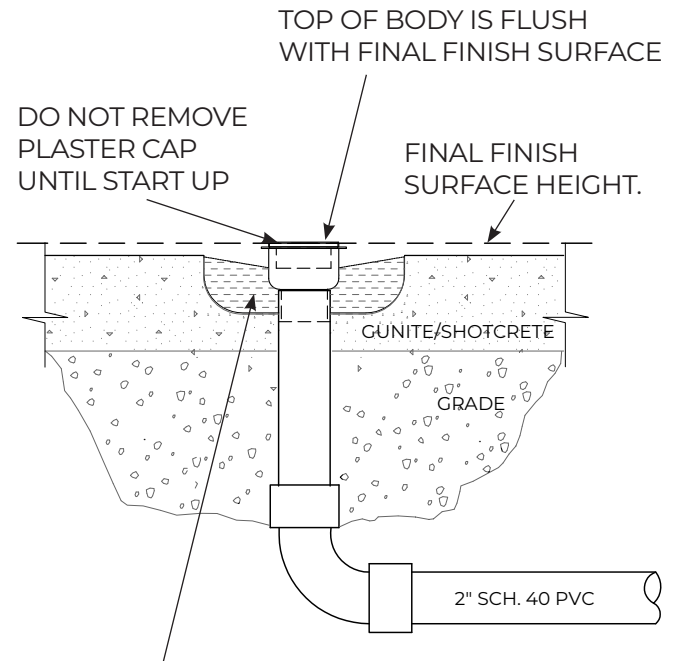
APPLY PVC GLUE TO THE BODY STEM AND 3" DEEP INSIDE RISER. PUSH AND TWIST BODY IN UNTIL IT HITS THE RISER.

BEFORE GLUING BODY, REMOVE PLASTER CAPS. ALLOW 30 MIN. TO VENT FUMES. THEN REPLACE CAPS.

FINAL FINISH SURFACE HEIGHT.



STEP 5 INSTALLING NOZZLE BODY



FILL WITH CONCRETE TO ½" BELOW WATER STOP FLANGE PRIOR TO INSTALLING POOL FINISH OR FILL WITH POOL FINISH

PLUMBER'S NOTE: IPS WELD-ON 711 or equivalent is recommended.

DO USE glue primer as it may heat and distort the nozzle body during the gluing process.