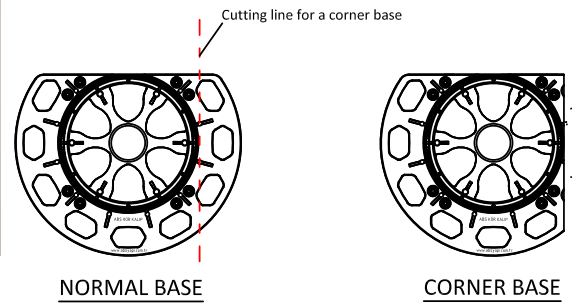
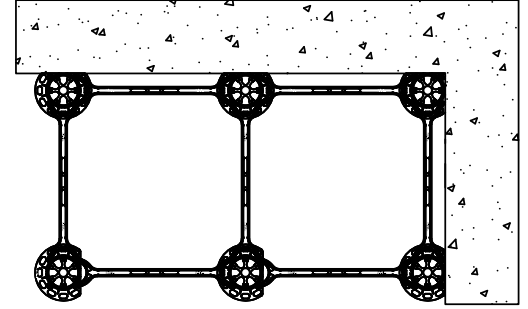
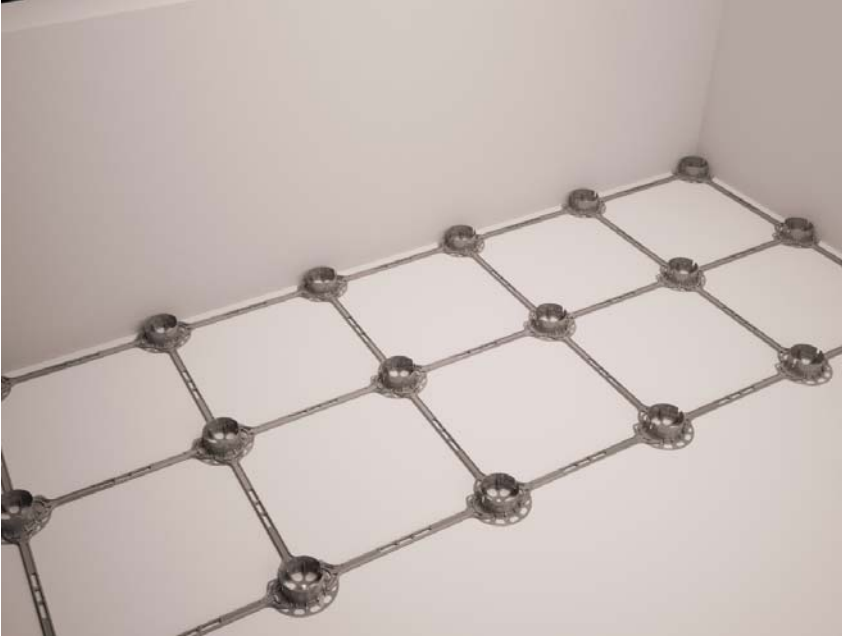
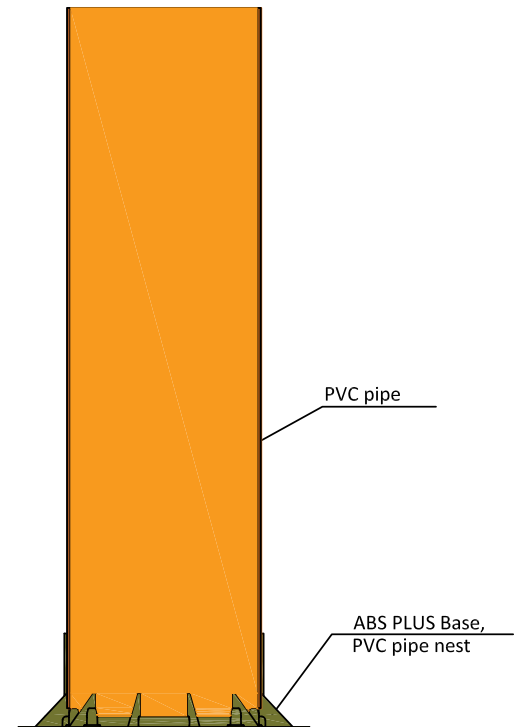
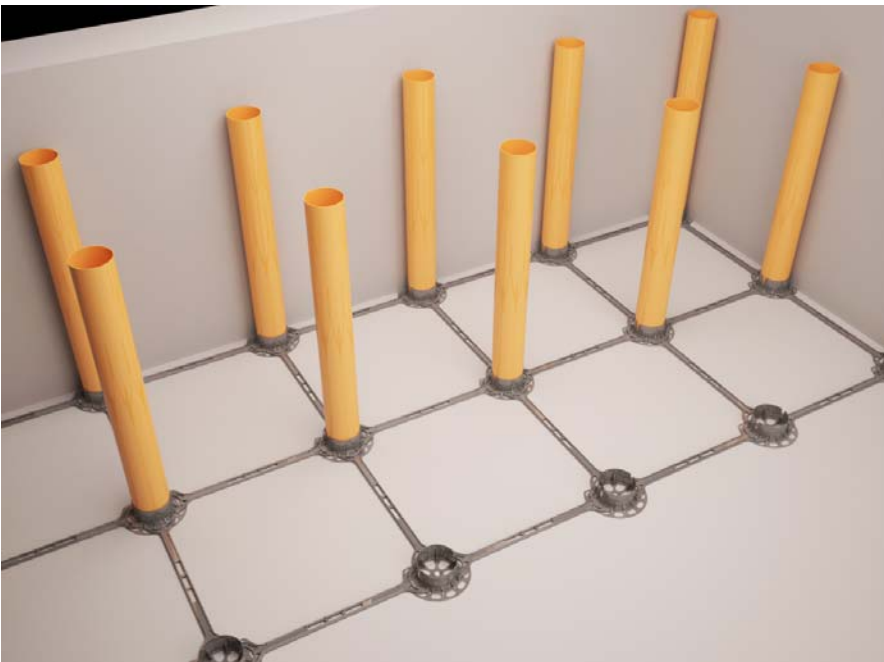


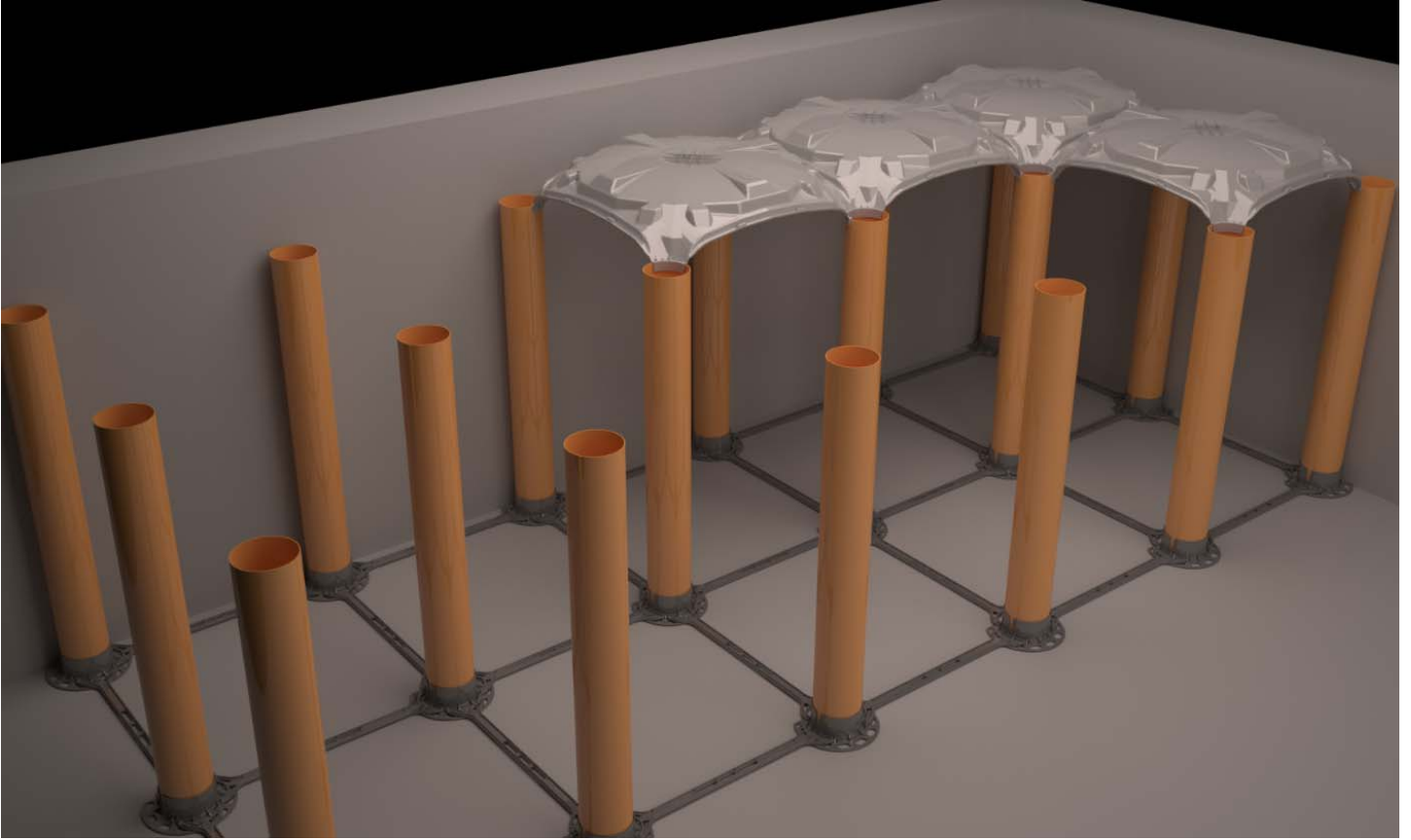
- 1.** Place the ABS Plus bases from right to left and from top to bottom using the spacers so that the base's flat side is adjacent to the wall. Cut the base creating a second edge so that it fits into a corner.



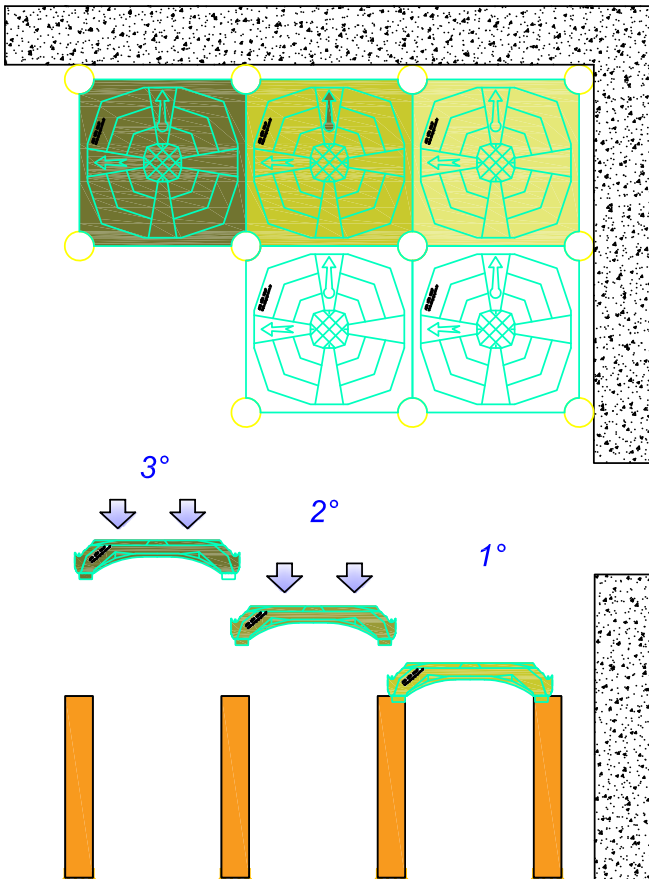
- 2.** Press the PVC pipes that have been cut according to the project firmly into the base slots.



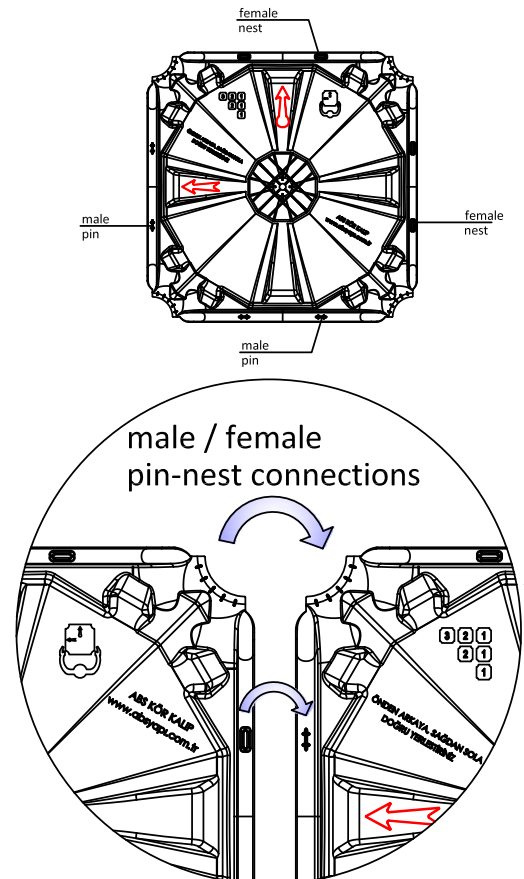
3. Place the ABS PLUS domes on the PVC pipes, from right to left and from top to bottom, checking that the domes fit over each other and on the PVC pipes firmly.



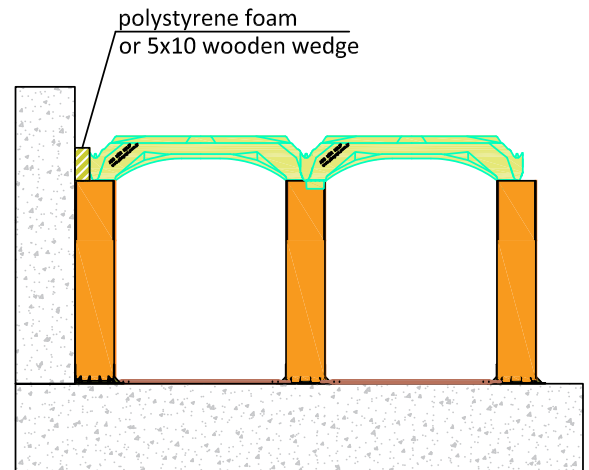
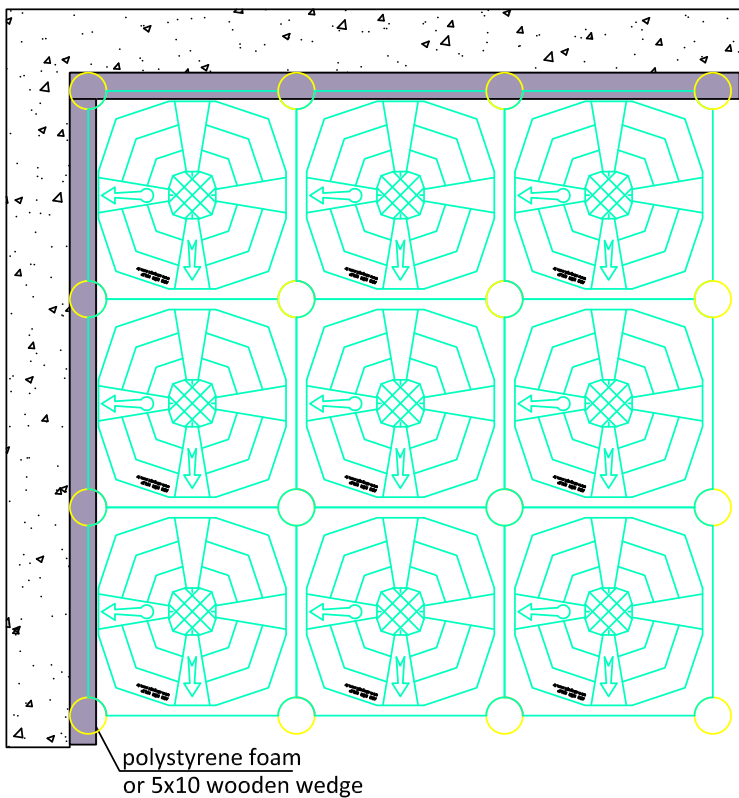
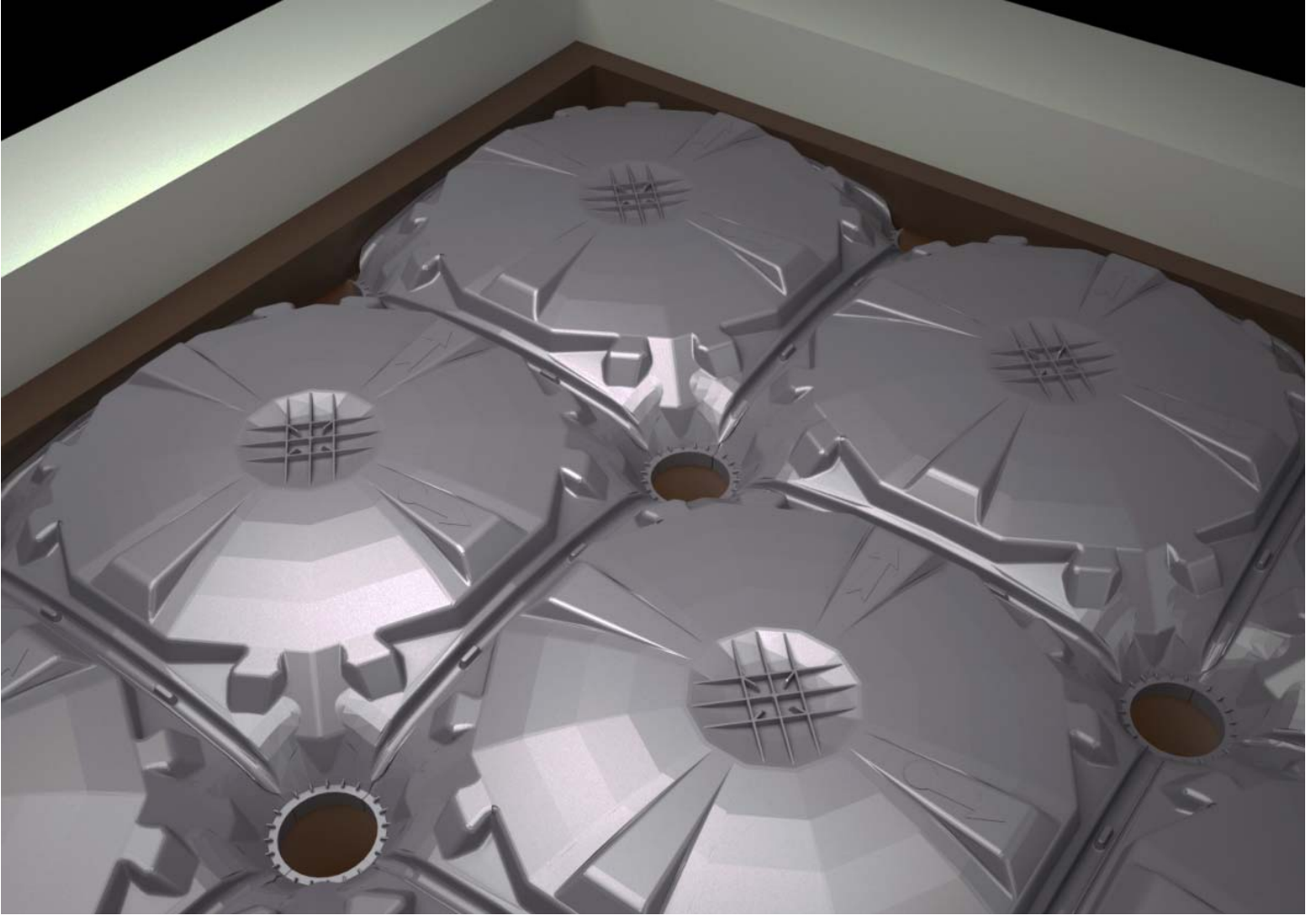
Place the domes first from right to left and then from top to bottom.



The arrows on the domes should always indicate the direction in which the installation operator looks.

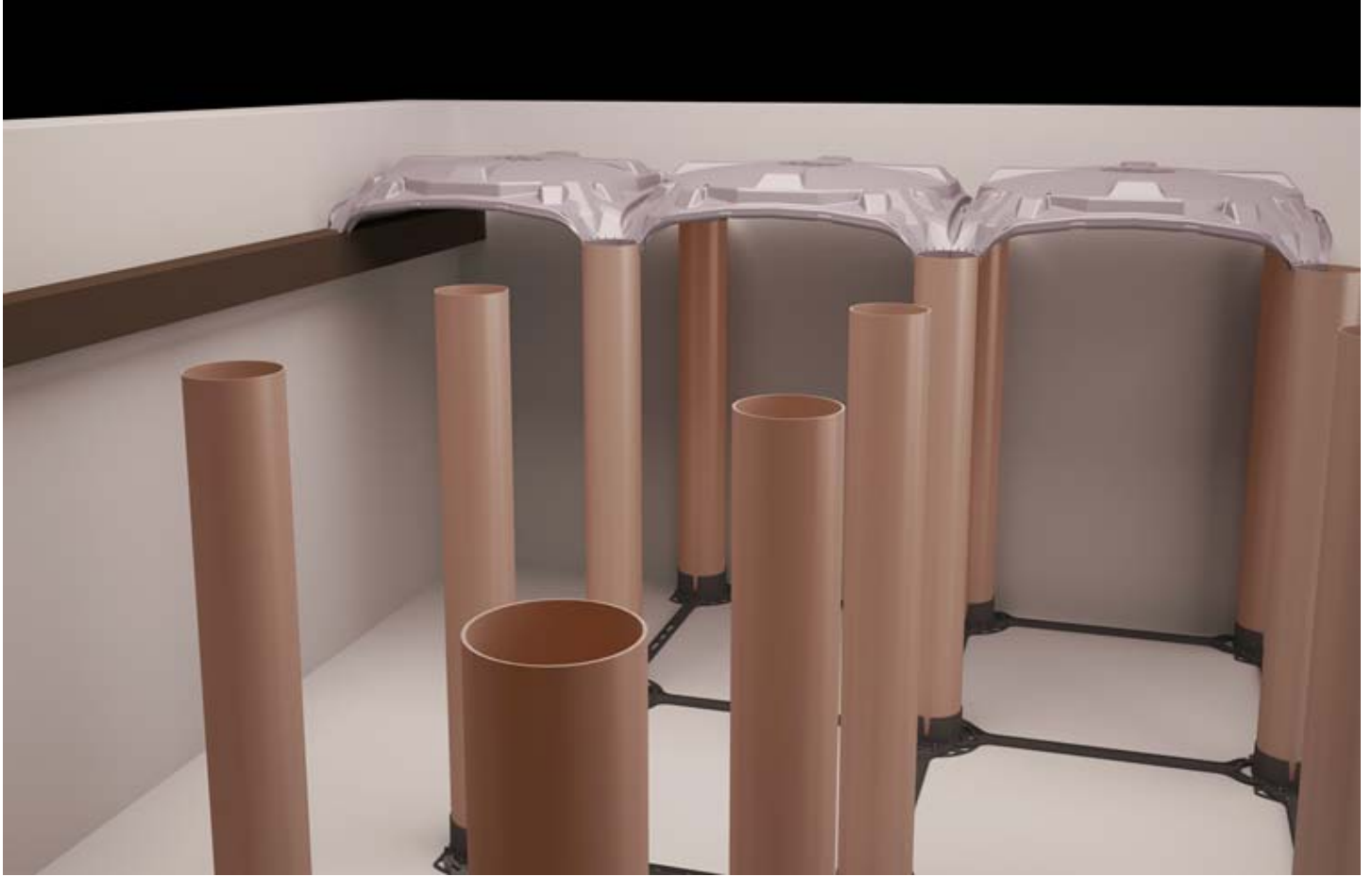


4. In the case of full-dome wall finishes where the PVC pipes are adjacent to the walls, place polystyrene foam or 5x10 wooden wedges on the pipes and close the cavities against concrete leaks.

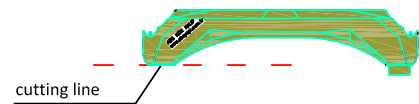
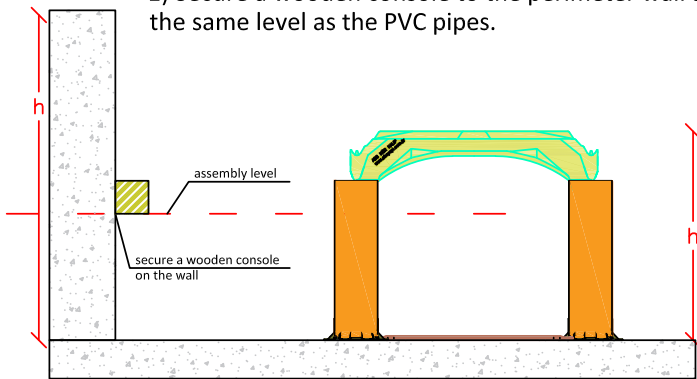


5. Inserting the last row of ABS Plus domes:

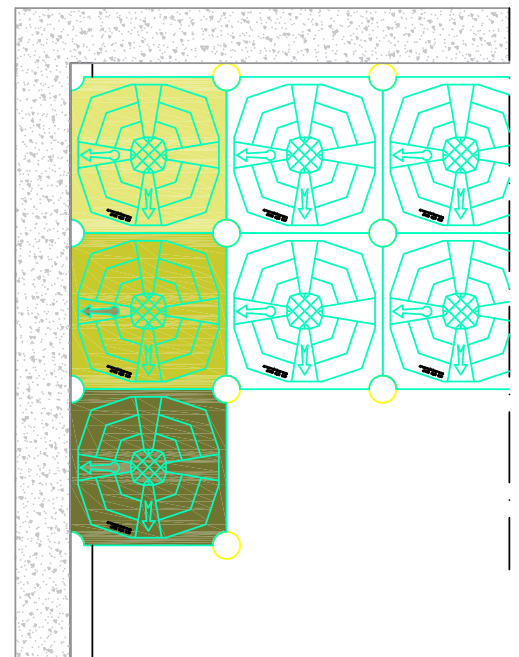
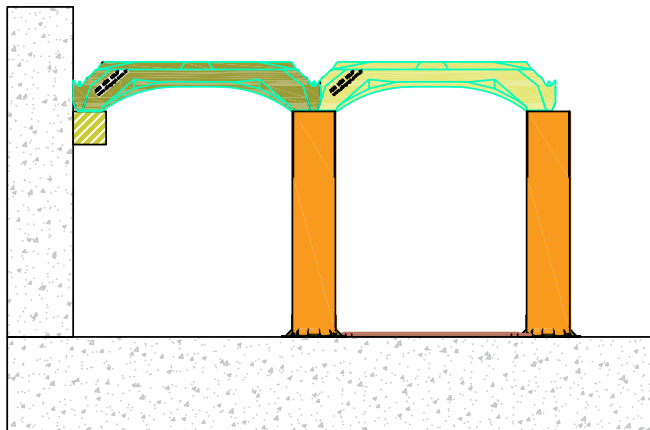
EXAMPLE 1: Full dome on the wooden console attached to the wall.



1) Secure a wooden console to the perimeter wall at the same level as the PVC pipes.

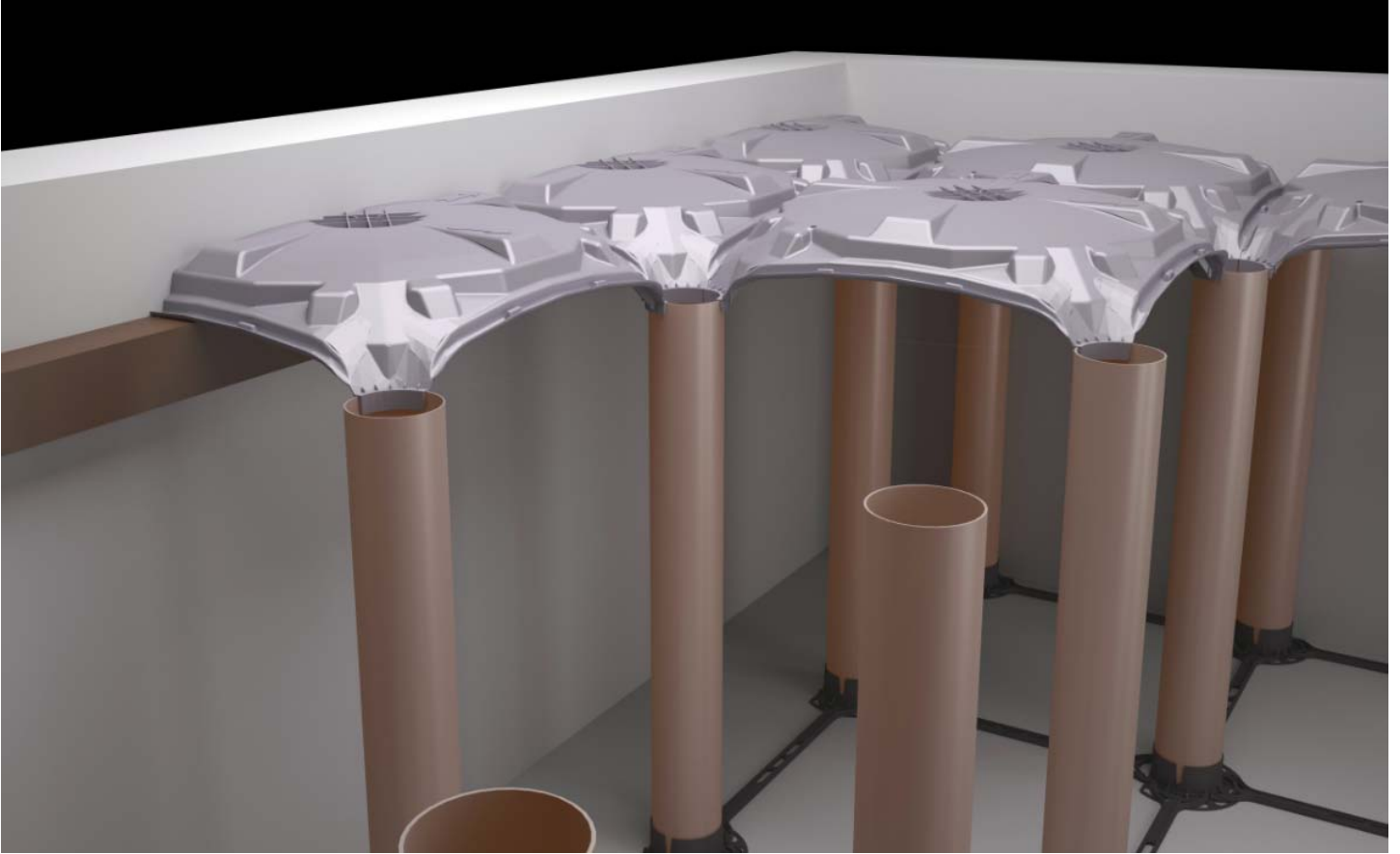


2) Cut the connecting piece at the dome and place the dome on the wooden console.

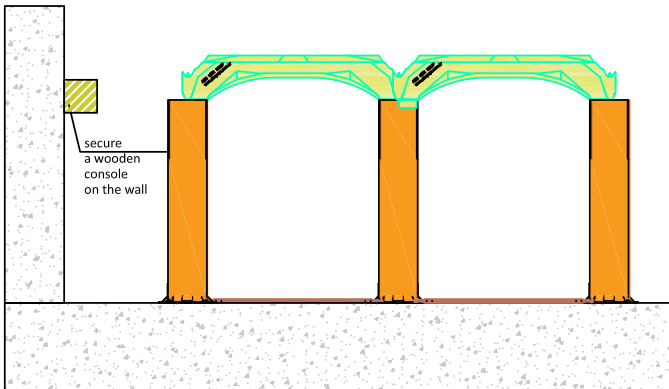


6. Inserting the last row of ABS Plus domes:

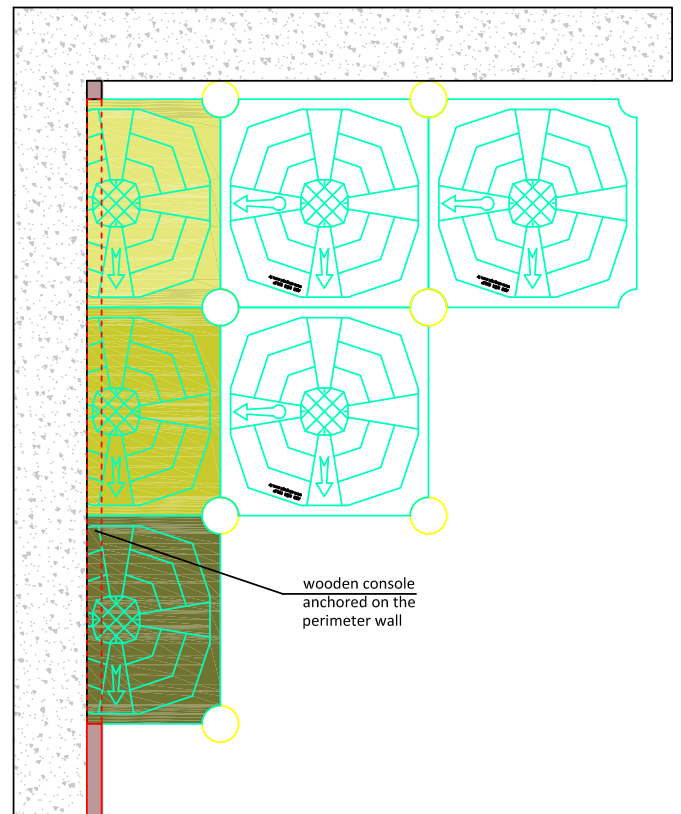
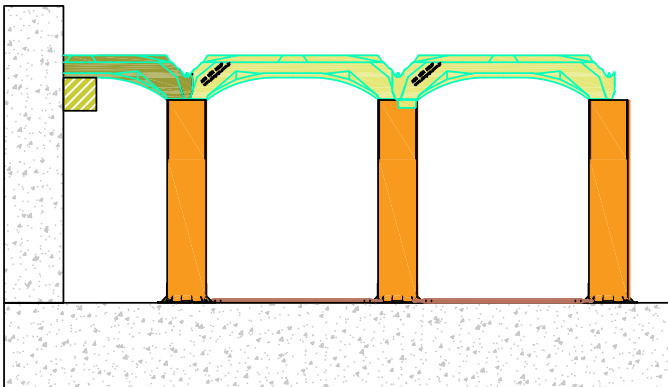
EXAMPLE 2: Placing a cut dome on the wooden console attached to the wall.



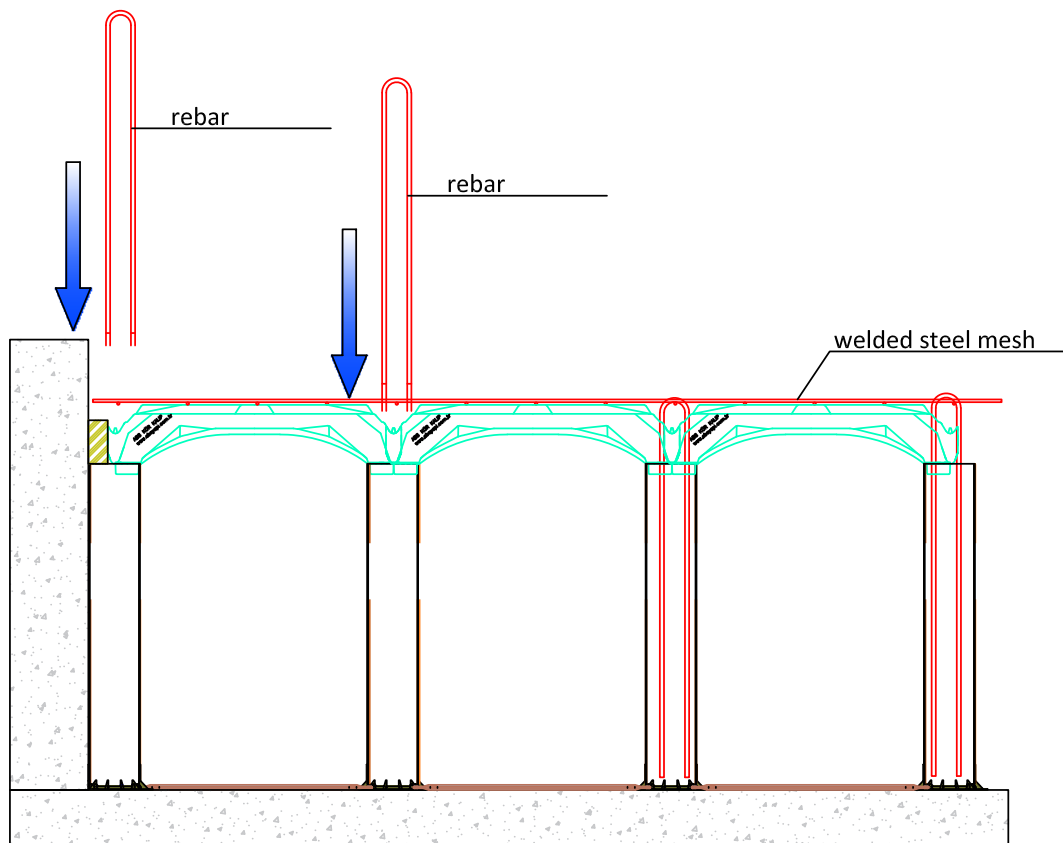
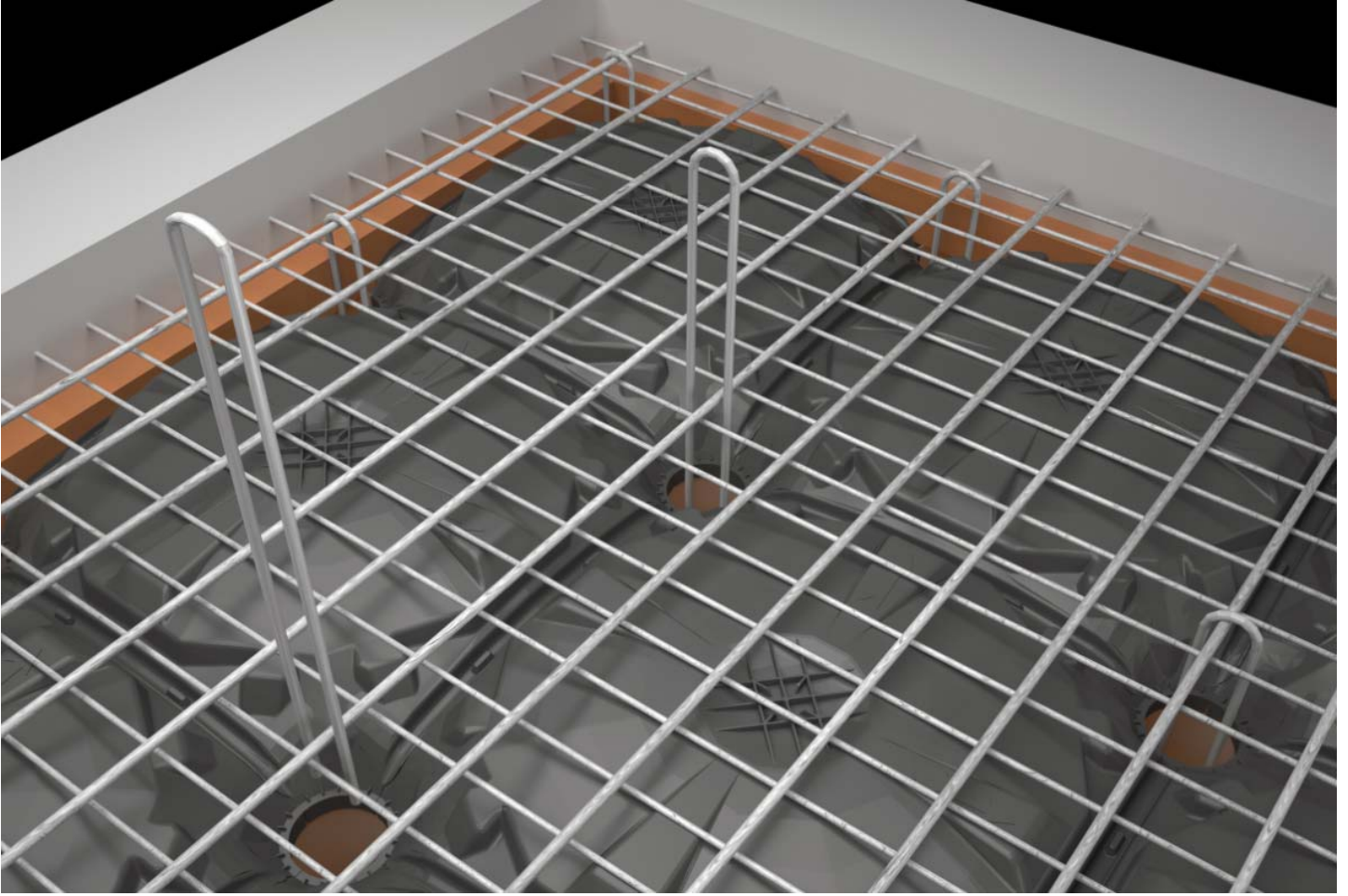
1) Secure a wooden console on the perimeter wall taking into account the height of the dome to be cut.



2) Cut the dome at the exact size to close the opening and place it on the pipe and the console.



7. Place project specific welded steel mesh on the concrete-sealed disposable formworks and place vertical steel rebars into the PVC pipes.

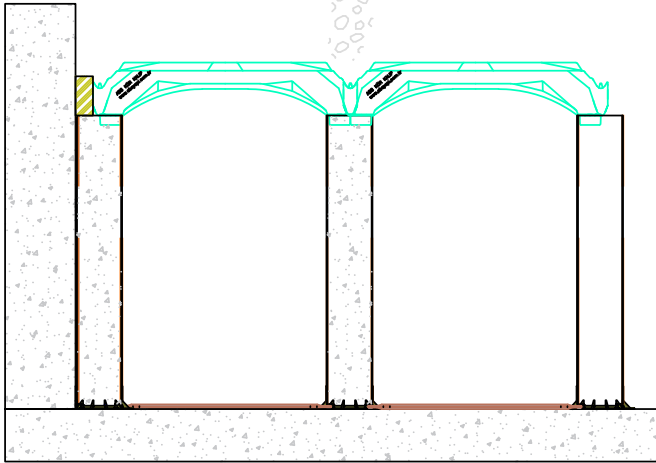
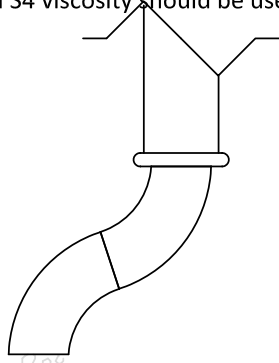


8. Concrete pouring and important considerations

9. Filling the pipes with concrete

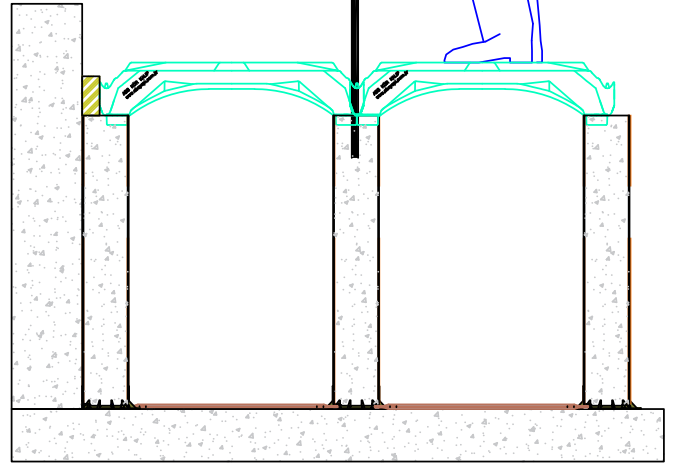
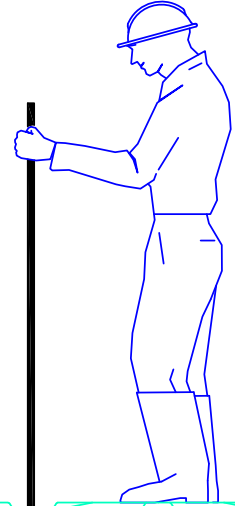
First, the PVC pipes are filled with at least C25 class and at least S4 viscose concrete. For inclined castings (for example, to form ramps), concrete with low viscosity could be used for the slab part, but concrete with S4 viscosity should be used for the feet.

In order to avoid overpressure of the formwork structure during casting of the concrete, the mouth of the pump hose should be kept up to 20 cm above the domes. It is essential that the domes are poured after making sure that the PVC pipes are filled first.



10. Aerating the pipes

Every PVC pipe should be stabbed with a steel rod of at least 16 mm thickness with a rounded tip in order to release the air trapped in the pipe during casting.



Use a vibrator when pouring the concrete of the slab on top of the domes, making sure that the concrete is fully spread and settled.

Depending on the ambient conditions, the concrete should be moistened sufficiently as it is done in the normal screed applications after casting.

During the 24 to 48 hours following the concrete pouring, joints should be cut in the floor in such a way not to exceed 1/5 of the floor thickness. Joints should be opened at right angles to each other at intervals determined by the site management.

