

# Benefits of the StormPod System

Feature	Advantage Over Other Systems	Benefit to Customer
<b>(A)</b> Arch shape with a ribbed-shell design	<ul style="list-style-type: none"> <li>• Stronger than conventional flat slab systems.</li> <li>• Requires thinner slabs, less concrete and reinforcing than other systems.</li> </ul>	<ul style="list-style-type: none"> <li>• 20-30% less cost than other precast systems.</li> <li>• Lighter sections</li> <li>• Install modules with an excavator or small crane.</li> </ul>
<b>(B)</b> Arch and base slab are bolted together at the precast facility to create a module	<ul style="list-style-type: none"> <li>• Pick the arch and base slab at the same time vs individually with other systems.</li> <li>• Bolted connection between arch and base slab.</li> </ul>	<ul style="list-style-type: none"> <li>• Install two sections with one pick.</li> <li>• Cut time of installation in half.</li> <li>• Reduce cost of crane.</li> <li>• Reduce installation labor cost.</li> <li>• Prevent separation between arch and base slab.</li> </ul>
<b>(C)</b> Each module is cast with an interior pre-formed caulk joint so that the interior joints can be caulked to make the structure water-tight	<ul style="list-style-type: none"> <li>• Structure can be made water-tight internally rather than externally.</li> <li>• Does not require an external impervious liner.</li> </ul>	<ul style="list-style-type: none"> <li>• Easier to level modules by adjusting the stone bedding during installation.</li> <li>• Do not have to worry about puncturing an impervious liner during installation.</li> <li>• If the structure leaks, it is easier to locate and repair the leaking joint vs if an external liner leaks it is impossible to locate and repair the leak.</li> </ul>
<b>(D)</b> Modular design with standard module types.	<ul style="list-style-type: none"> <li>• Only 2 types of modules.</li> <li>• Standard modules are interchangeable.</li> <li>• Can inventory standard modules.</li> <li>• Fewer overall parts.</li> </ul>	<ul style="list-style-type: none"> <li>• Easily scalable by adding modules.</li> <li>• Endless system layout configurations.</li> <li>• Easily avoid utility conflicts.</li> <li>• Quicker lead times.</li> <li>• Ability to meet demanding delivery schedules.</li> <li>• Less parts to install.</li> </ul>
<b>(E)</b> Exterior cavity and drain port created by the exterior arch shape	<ul style="list-style-type: none"> <li>• Can be used for additional storage capacity when filled with stone.</li> <li>• Water can seep down through the stone cavity and infiltrate into the sub-base.</li> <li>• Can be filled with bioretention media or soil.</li> <li>• Provides shear resistance to differential settlement between modules.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduces cost of system by reducing the quantity of modules.</li> <li>• Can place structure under pervious pavement and still allow run-off water to infiltrate into the ground.</li> <li>• Eliminates pooling of water on top of structure.</li> <li>• Can accommodate plant life directly on top of the system when at grade or close to grade.</li> </ul>
<b>(F)</b> Each module is cast with self-aligning tongue and grooves located around the perimeter of the base slab.	<ul style="list-style-type: none"> <li>• Provides shear resistance to differential settlement.</li> <li>• Aligns modules vertically and horizontally during installation.</li> </ul>	<ul style="list-style-type: none"> <li>• Prevents differential settlement.</li> <li>• Improves the quality of the installation.</li> <li>• Provides smoother floor transition between modules to eliminate tripping hazards and improve ease of maintenance.</li> </ul>