**SWIMMING POOL SPECIFICATION**

**SECTION 13 11 00**

**Perimeter Pool Deck Drain System**

**(select one (1) – Slot Drain OR Deck Drain System)**

 **Slot Drain Drop-Out Box and Grate**

1. Slot Drain Drop-Out Drain Box (Sump) and Grate (12”x12”x 12”) in all pool deck areas shall be custom ordered and supplied with same color and style of grate to match swimming pool grating along with a custom PVC frame.
2. Grate: The grate shall be formed of molded PVC, UV stabilized and certified NSF/ANSI/CAN 50-2020, with raised herringbone design and certified to AS 4586-2013 Class C for Wet-Barefoot inclining platform (ramp) test for swimming pool surroundings. Grate shall be 0.47” (12mm) wide and an outside depth of 1.0” (25.4mm) with a middle depth of 1.83” (46.6mm) for load strength requirements. The grate shall be certified under ANSI/AS 3996 Class A for covers and grates with load exceeding 10kN (2,248lb). The space between the bars shall not exceed 0.315” (8mm) to comply with BS EN 13451 child finger/toe entrapment guidelines.
3. Grate color to be selected by the Architect/Owner. Colors available in white, bone and gray. The grating shall have a minimum 10-year manufacturer’s warranty.
4. Drain Drop-Out Box (Sump): The sump shall be 12x12x12 fabricated by using fiberglass matt. Connection ports in sizes of 4-inch *(6-inch)* as indicated on the design documents, with a storm *(sanitary sewer)* outlet at the bottom of 1.5-inch *(2-inch, 3-inch)*. Gray only.
5. Optional strainer basket shall be mounted inside drop out box for easy removal and cleaning
6. Sump and Grate shall be CapSHURE-DDD as manufactured by Daldorado LLC. Ph: (888) 509-8128, or approved equal.

**OR**

**Deck Drain System**

1. Deck Drain: The deck drain shall be 4” wide, shall have a 4” (2”) inside depth and be formed of extruded PVC 0.2” (5mm) thick in lengths of 10’-0” in straight or custom radii down to a 6’-0” (2-meter) inside diameter. Each deck drain section shall be provided with EPDM joiners that also perform as expansion joints. The deck drain base shall have 5/8” pre-drilled holes at 18” OC both sides. These holes are provided for the use of threaded rods with lock nuts, for ease of leveling. Size, location and number of storm water *(sanitary sewer)* drain outlets to be determined by designer and/or local rain/sewer water requirements. The deck drain shall be strength tested for light vehicle traffic. Color: gray only.
2. Grate: The grate shall be formed of molded PVC, UV stabilized and certified NSF/ANSI/CAN 50-2020, with raised herringbone design and certified to AS 4586-2013 Class C for Wet-Barefoot inclining platform (ramp) test for swimming pool surroundings. Grate shall be 0.47” (12mm) wide and an outside depth of 1.0” (25.4mm) with a middle depth of 1.83” (46.6mm) for load strength requirements. The grate shall be certified under ANSI/AS 3996 Class A for covers and grates with load exceeding 10kN (2,248lb). The space between the bars shall not exceed 0.315” (8mm) to comply with BS EN 13451 child finger/toe entrapment guidelines. The grating surface bars gap, provide at least 40% open space per foot for unrestricted water capture. Color to be selected by the Architect/Owner. Available in colors white, bone or gray.
3. Dropout drain boxes *(Optional per design documents)* ~ 12”x12”x12” pre-manufactured sump shall be 12x12x12 fabricated by using fiberglass matt. Connection ports in sizes of 4-inch *(6-inch)* as indicated on the design documents, with a storm *(sanitary sewer)* outlet at the bottom of 1.5-inch *(2-inch, 3-inch)*. Color: gray only.

Each drain box to be supplied with grate to match the deck drain grate. *(Each drain box to be supplied with strainer for easier cleanout.)* Grate color to be selected by the Architect/Owner. Colors available in white, bone and gray. The grate shall have a minimum 10-year manufacturer’s warranty.

1. *(Optional)* Strainer Basket shall be mounted inside drop out box for easy removal and cleaning.
2. CAP-SHURE Deck Drain System as manufactured by Daldorado LLC. Ph: (888) 509-8128. Or approved equal.

**(ADDITONAL NOTES TO SPECIFIER)**

**Information required in other Sections in the Project Specifications are as follow:**

**SUBMITTAL Documents for Daldorado Product**

* Product submittals ensure the owner receives the quality product as specified.

**WARRANTY and CERTIFICATIONS for Daldorado Product**

* Warranty information supports the manufacturer’s minimum manufacture’s warranty on product.
* Certifications support the QUALITY of a product, NSF/ANSI/CAN 50-2020, STRENGTH of a product, SLIP RESISTANCE testing of a product.

As a designer, contractor or owner, you require a QUALITY product, it is important that you request the appropriate Laboratory Testing Certifications for each product.

Daldorado Warranty information, Certifications and Submittal supporting documents can be easily obtained from the Daldorado LLC website at: [www.daldorado.com](http://www.daldorado.com)

**END OF DOCUMENT**