

Design & Product Information:

DuraTech Deck Drain Channel is formulated with maximum U.V. inhibitors added to 100% virgin exterior grade impact resistant PVC resin. The channel is designed to receive 4" wide x 1" tall DuraTech Interlock Grating. Channel has a continuous wall thickness of .150". A 5.4" wide base provides stability and a means of staking down channel prior to pouring concrete. Each side of the channel has a continuous embed leg that secures the channel walls into the surrounding concrete and acts as a water stop. Channel comes in 10' lengths as well as pre-manufactured 90's, 45's and T's. Channel is stocked in White only, custom color are available, additional charges and lead times may apply. Product comes with a 10 year warranty.

DuraTech™ Deck Drain Channel

poolequip.com

2825 East 55th Place
 Indianapolis, IN 46220
 Phone: 317-251-0207
 Fax: 317-251-0360

**Project: For Sales Purposes Only
 Not for Construction**

Drawing #:

Origination Date:

Scale:

Item #:

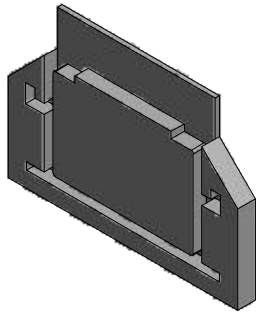
Date: 05/08/18

Drawn by: EFB

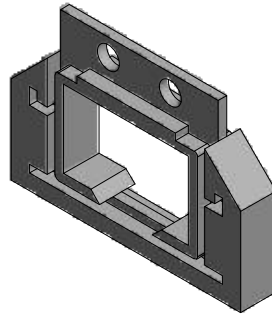
Appr'd by:

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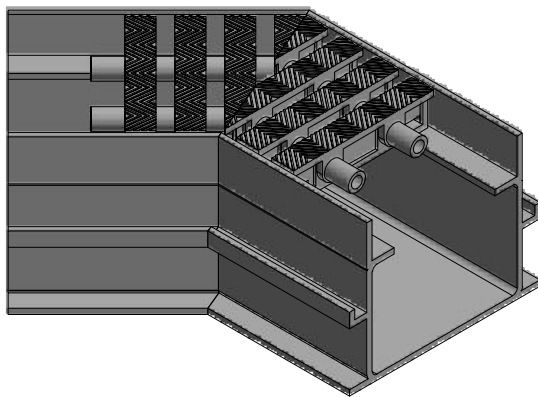
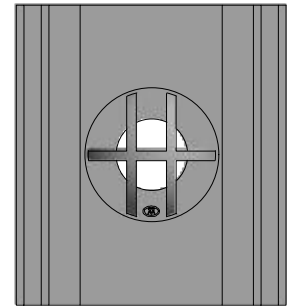
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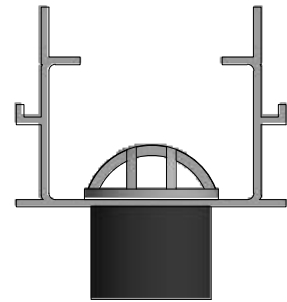
End Cap



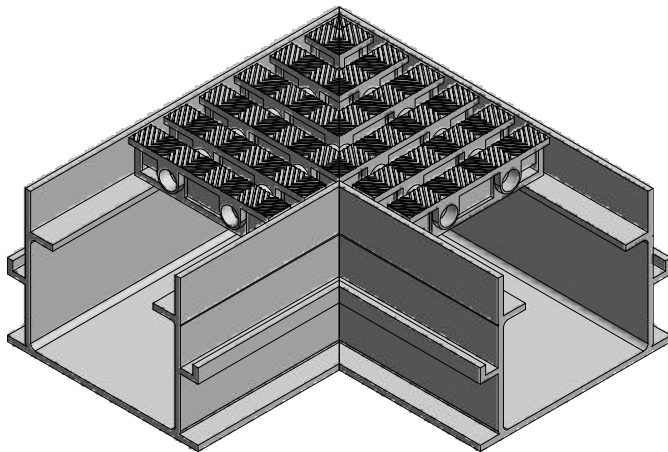
Coupling



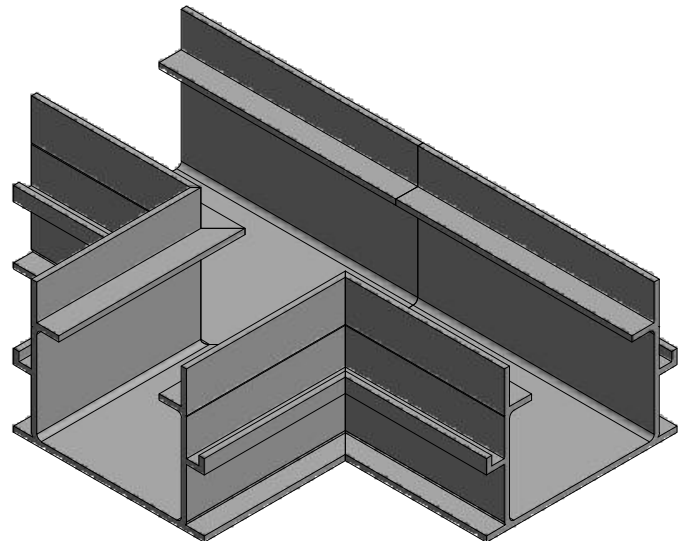
45° Corner



Bottom Outlet



90° Corner



"T" Channel

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There are two options for installing the DuraTech Deck Drain. One way is to pre-form a channel into the concrete deck that is large enough to incorporate the drain system and to fill-in with concrete on all sides. The second is to encase concrete around the drain system while pouring the concrete pool deck.

PRE-FORMING A CHANNEL

1. Prior to pouring the deck, pre-form a channel large enough to accept the drain system. Consideration should be given to deck slope, deck finishes (tile, pavers, etc.) and required expansion joints when forming the channel to ensure drain system meets project design requirements.
2. Place the PVC drain channel into the pre-formed channel. Drain channel bottom and end outlets should be installed to plumbed drain lines before joining and gluing the rest of the drain system and components together.
3. Couplings are required where all channels and components meet. Use a Heavy Duty PVC Cement within the couplings and glue all drain channel sections and accessory components together. Wipe away excess glue that squeezes through at any joints. If no excess glue is visible, finish off all joints with sealant as necessary for a water tight finish. Allow for glue to cure per manufacturer's recommendations before proceeding with pouring concrete.**IMPORTANT:** It is required that the Interlock Grates or a 1" x 4" board be placed in the entire drain system before encasing the system in concrete. This will ensure the drain remains at the proper width to receive the grates once the concrete has cured. Skipping this step could result in a drain channel that is too narrow to receive the grates. If using the grates for this step, tape off the surfaces of all the grates to keep the grates clean, and debris for entering the drain when pouring concrete.
4. Confirm that the drain system is level and all required expansion joints have been accounted for, then backfill around drain system with concrete. Vibrate as necessary to ensure the drain system is fully encased in concrete, with special attention given to the embed angles protruding from the exterior walls of the drain system. It is important that no air pockets are allowed within the concrete encasing the drain.
5. Installation of the grates should be done once concrete has had adequate time to cure and the project is at a stage where heavy construction traffic has ended.

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POURING CONCRETE

If pouring concrete around the system, project requirements can vary, but the below steps should be followed in all cases.

1. When planning the layout of the deck drain system, remember it is necessary to maintain the concrete thickness under the drain base as well as on the sides so as not to deform the drain system due to expansion or movement of the concrete decks. Also, the deck drain system should never be used as an expansion joint.
2. Concrete pads, stakes, rebar or other reinforcement methods should be implemented when laying out the deck drain system to prevent the drain system from shifting or floating during the concrete pour. Consideration should be given to deck slope, deck finishes (tile, pavers, etc.) and required expansion joints when laying out and staking to ensure drain system meets project design requirements.
3. Couplings are required where all channels and components meet. Use a Heavy Duty PVC Cement within the couplings and glue all drain channel sections and accessory components together. Wipe away excess glue that squeezes through at any joints. If no excess glue is visible, finish off all joints with sealant as necessary for a water tight finish. Allow for glue to cure per manufacturer's recommendations before proceeding with pouring concrete.**IMPORTANT:** It is required that the Interlock Grates or a 1" x 4" board be placed in the entire drain system before encasing the system in concrete. This will ensure the drain remains at the proper width to receive the grates once the concrete has cured. Skipping this step could result in a drain channel that is too narrow to receive the grates. If using the grates for this step, tape off the surfaces of all the grates to keep the grates clean, and debris from entering the drain when pouring concrete.
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Fastening down of the grate should be carried out only after the system is fully installed and checked under both methods of installation.

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