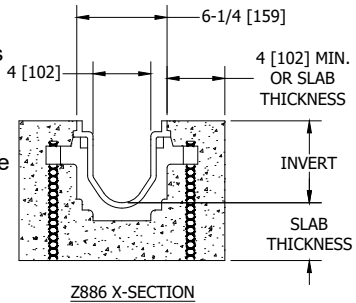
Z886
6-1/4 [159] WIDE REVEAL TRENCH DRAIN SYSTEM CONCRETE INSTALL

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice

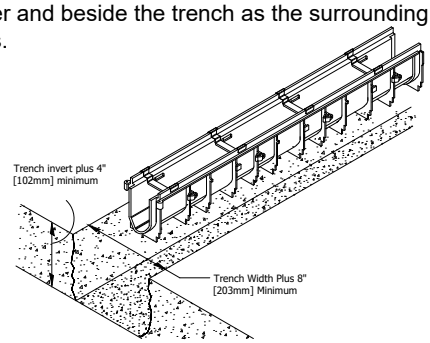
STEP 1:
Four inch [102mm] concrete is minimum. Guidelines for reinforcing an encasement would be minimum of 4000 PSI [27.5 MPa]. Concrete must be vibrated to remove air voids in encasement, especially under the frame rails.

Specifying engineer is responsible for concrete encasement and reinforcing based upon application and local codes, as this may vary. as this may vary.

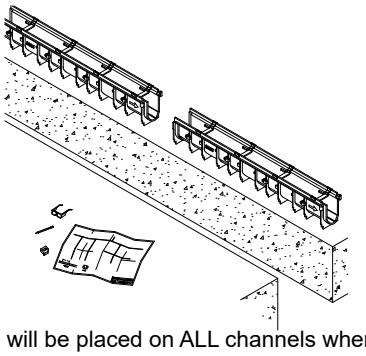


Z886 X-SECTION

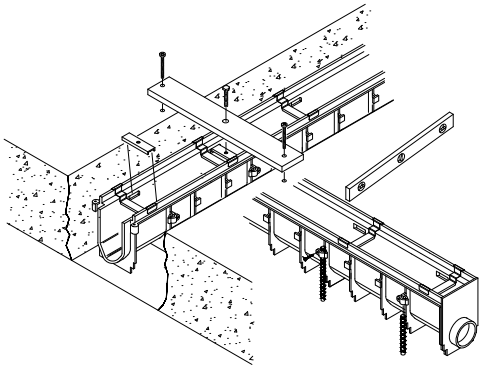
STEP 2:
Trench excavation must be the minimum of 4” [101.6mm] or the slab thickness surrounding the trench. Soft and/or shifting soil substrates may cause cracking of the concrete and consequent movement of the trench. It is critical that the concrete be poured on an adequate foundation. Verify depth of trench excavation allows for the same thickness of concrete under and beside the trench as the surrounding slab thickness.



STEP 3:
Upon completion of the excavation, the channel should be placed in numeric order along side the excavation according to the job layout. Each trench section has a trench identification number and a flow direction indicating its sequence within the system. Grates are not installed at this time.

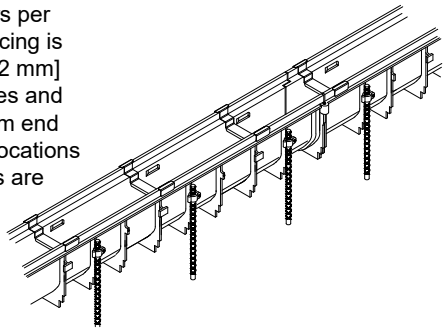


STEP 4:
An alternative means of installation is to suspend the trench drain as shown. Wooden braces to hang the trench run can be attached to the drain body through the grate lock down bars as illustrated below.



STEP 5:
Shipping / installation bars will be placed on ALL channels when no frame is attached, prior to shipment. This is to stabilize the rails and maintain inside dimensions during shipping / installation. Bars are for shipping and installation purposes only and must be removed upon completion of the concrete pour.

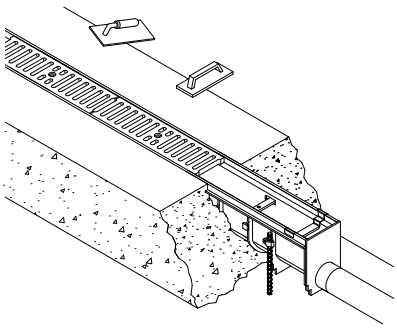
(4) Shipping/ installation bars per channel; recommended spacing is approximately 3”-6” [76 - 152 mm] from end of rail for end pieces and 26” - 29” [660 - 737 mm] from end of rail for center pieces. All locations of shipping / installation bars are approximate.



Typically, a trench system is assembled from the outlet on back. Starting with the deepest section or catch basin, set the first channel utilizing Perma-Trench’s unique anchoring system. Integral rebar clips are located along the length of each trench drain and catch basin for easy attachment to #4 rebar stakes. Simply align the rebar stakes with the trench drain and drive them into the ground for positive anchoring. Attach the trench drain to the rebar stakes with the hardware provided.

STEP 6:
Pour the concrete around the three sides of the trench drain. Be certain to adequately VIBRATE the concrete as it is being placed. Proper vibration will eliminate any unwanted voids within the concrete pour. If sidewalls are used, a first and second pour are recommended.

Finish troweling should be done to set the top edge of the trench drain 1/16” [1.6mm] below the floor grade. Remember to compensate for the concrete shrinkage that may occur during cure so that the edge of the trench drain does not protrude above the finished floor grade.



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