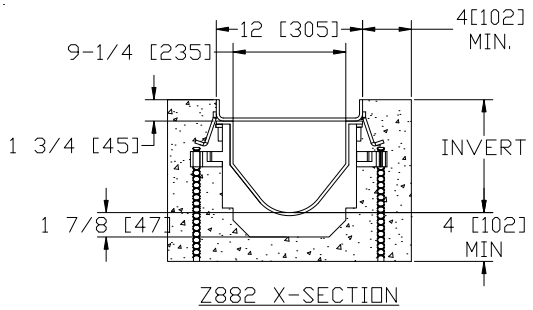
Z882

12 [305] 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.

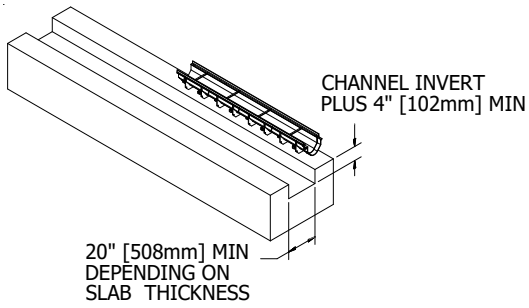
Specifying engineer is responsible for concrete encasement and reinforcing based upon application and local codes, as this may vary.



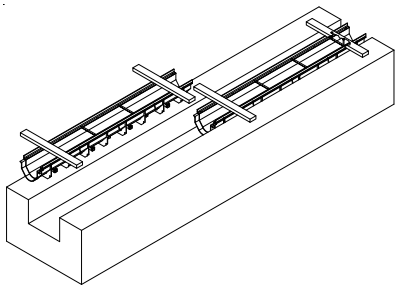
Z882 X-SECTION

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.

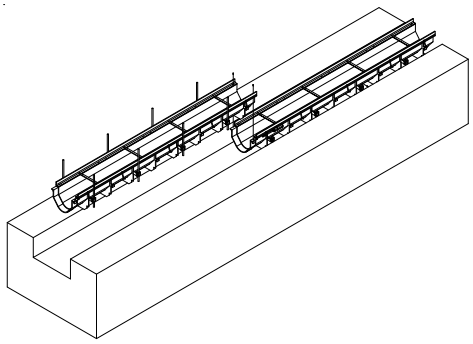
Upon completion of the excavation, the channel should be placed in numeric order along side the excavation according to the job layout. Each trench section has a trench identification number and a flow direction indicating its sequence within the system. Grates are not installed at this time.



STEP 3:
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.

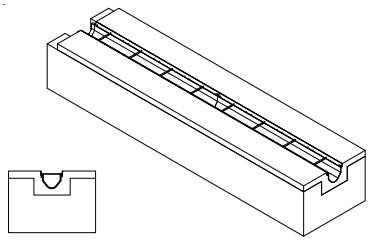


STEP 4:
Typically, a trench system is assembled from the outlet back. Starting with the deepest section or catch basin, set the first channel utilizing Flo-Thru's unique integral rebar clip anchoring system. Rebar clips are used on both sides of the length of each trench drain for easy attachment to #4 rebar stakes. Simply attach the rebar clip to the rebar stakes where needed, then drive the stakes into the ground for positive anchoring. Attach the trench drain to the rebar stakes with the hardware provided. Adjust the trench to the desired elevation and continue with the adjacent section.



STEP 5:
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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