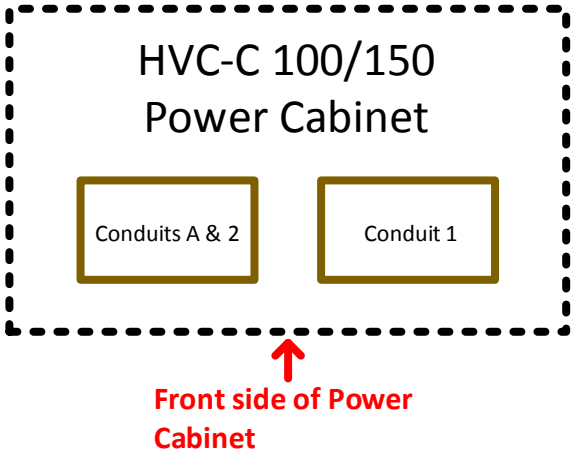
PRELIMINARY (FOR INFORMATION ONLY)
ABB is not liable for information contained herein which contradicts local codes, permitting requirements, and other requirements. ABB highly recommends a qualified design engineering firm to be responsible for the charging installation to ensure all of these requirements are met. See the ABB product installation manual for more details.

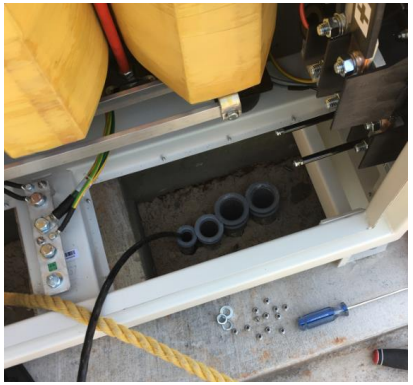
Instructions:

Prepare the HVC-C 100/150 power cabinet foundation using rectangle holes in the ground according to Section 4.2.4 of the HVC-C 100/150 E-Bus Charger Installation Guide. Conduits should enter the bottom of the rectangle holes as shown in the below diagram (Note: Conduit IDs are described on the conduit and cable concept). The purpose of the below ground rectangle holes is to allow space for required cable bending and to allow the product cable entry plates to be installed to preserve the product's IP54 rating. It is the customer's responsibility to ensure a method to drain the rectangle holes is implemented according to local codes and regulations.



Example: Preparation for concrete pouring (Note: some customers prefer using pull boxes instead of temporary wood for rectangle holes)

Example: Conduits at bottom of rectangle hole (Note: This picture shows the concept of conduits entering the bottom of a hole on another similar product installation. Do not use the # or sizes of conduits shown in the below image for the HVC depot box installation.)



Alternate HVC power cabinet foundation solutions:

An alternate foundation solution is to install below the HVC power cabinet a metal foundation supplied by ABB or to build a similar custom foundation. This would eliminate the need of forming rectangle holes described in the above instructions to allow an installation using typical conduit stub ups. When using typical conduit stub ups in a floor the installer should carefully locate the conduit stub ups using the windows described earlier as rectangle holes. It is the installer's responsibility to define according to local codes and regulations the precise locations of conduit stub ups to allow for excess cable creation for future service if desired and in a manner to allow for the product's cable entry plates to be installed.

Example: Typical conduit stub ups in concrete poured foundation. (Note: This picture shows the concept of what typical conduit stubs in a concrete poured foundation look like. Do not use the # or sizes of conduits shown in the below image for the HVC depot box installation.)

Example: Custom metal foundation solution beneath HVC power cabinet

TITLE

HVC 150 Charging System – Power Cab. Foundation

REV	DATE	BY	DESCRIPTION	DRAWING	REV
A	21/AUG/20		PRELIMINARY FOR DISCUSSION		A
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