FARWEST CORROSION CONTROL COMPANY

ANODE JUNCTION BOX ASSEMBLY DESIGN QUESTIONNAIRE

An anode junction box (**not a bond box**) is a termination point for cathodic protection anode cables. The number of shunts or circuits will depend on the number of anodes. The cables are connected to a current reading shunt and then to a buss bar, where a cable is then routed to the positive terminal of the rectifier.

To determine the correct anode junction assembly for your needs, we must understand certain aspects of the assembly to provide the correct and desired solution. Please review, complete, and return the following questionnaire, to the best of your ability, so we can assist you properly.

Is there a specification and/or drawing for the assembly? **If yes, please provide to Farwest.**

What enclosure material do you want to use? _____

Options: Steel, Stainless Steel, Aluminum, Fiberglass, Polycarbonate, or as specified.

Do you have a preferred NEMA electrical rating for the enclosure? _____

Typical Options: 3R (Raintight), 4, 4X, etc.

What is the approximate physical size of the enclosure? _____

If you know the exact enclosure size or manufacturer's model, please specify this information. Remember, there must be adequate room in the enclosure to install the desired components.

What finish do you want if the enclosure is steel? _____

Options: Steel Cabinet - Galvanized or Powder Coated. Aluminum - Brushed

How many shunts (circuits) are required? _____ This usually relates to the number of anodes.

What type of shunt is preferred? _____

Options: Type RS, 0.01-ohm 6 amp. Type SS, 0.001-ohm, 25 amp. Type JB, 0.01-ohm, 8 amp.

For cable connections to the shunt, our standard terminal is an Ilsco SLU-70 terminal for #8 to #2 cable. Is this acceptable or do you prefer another type? Please indicate: _____

For the non-metallic panel board, we provide ¼" thick micarta. Is this acceptable or do you prefer another material type or thickness? Please indicate: _____

For the electrical buss bar, we provide 1/8" x 1" copper. Is this acceptable to you or do you prefer another size material? Please indicate: _____

Do you have a particular shunt layout in mind? Please describe your preference or provide a sketch. (Example: 10 shunts installed horizontally across the terminal board).

_____

Are there any other options you require in the assembly? Please describe.

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