



ENCLOSURE SUPPORT POST*:
 - STEEL "C" CHANNEL*
 - STEEL "UNISTRUT" CHANNEL*
 (EXTERIOR COATING RECOMMENDED)

TYPICAL DC-DECOUPLER™ ENCLOSURE:
 - ATEX & IECEx CERTIFIED ENCLOSURE
 - FIBREGLASS REINFORCED POLYESTER
 - IP67 (CERTIFIED); EQUIVALENT TO NEMA 4,4X,6P
 - TYPICAL OVERALL DIMENSIONS FOR STANDARD
 RUSTROL® DC-DECOUPLER™ MODEL: DCD;
 DIMENSIONS ARE MODEL SPECIFIC.

INSULATED STRANDED COPPER CABLE*
 - ICCC RECOMMENDS TWO (2) CABLES PER TERMINAL
 - ALL CABLES, CONNECTIONS, AND STRUCTURAL MEMBERS
 SHOULD BE CAPABLE OF WITHSTANDING THE MAXIMUM
 ANTICIPATED MAGNITUDE AND DURATION OF THE SURGE
 FAULT CURRENTS WITH MITIGATION APPLIED -NACE SP0177.

POWERFILL™ *
 LOW-RESISTIVITY GROUNDING BACKFILL,
 COMPATIBLE WITH ALL COPPER GROUNDING SYSTEMS,
 CERTIFIED TO NSF/ANSI STANDARD 60.

GRADIENT CONTROL SYSTEM-COPPER CABLE (GCS-CC)*
 - AWG #2/0 STRANDED BARE COPPER WIRE*

SUPPORT CHANNEL TO
 BE EMBEDDED INTO A
 CONCRETE SUPPORT PAD*

CATHODICALLY
 PROTECTED
 PIPELINE*

TYPICAL CABLE CONNECTION
 TO PIPELINE*

TYPICAL CATHODIC
 PROTECTION ANODE*

NOTES:

- 1) NOT DRAWN TO SCALE
- 2) NOMINAL DIMENSIONS
- 3) ALL DIMENSIONS ARE APPROXIMATE.
- 4) ALL DIMENSIONS ARE SHOWN WITH BOTH METRIC & IMPERIAL UNITS AND ARE GOVERNED BY THE IMPERIAL MEASUREMENTS AS SHOWN.
- 5) TYPICAL INSTALLATION ONLY. VARIATIONS ARE COMMON BASED ON THE SITE REQUIREMENTS. ALL NOTED (*) DETAILS ARE PROVIDED AS SUGGESTIONS ONLY, AND ARE TO BE PROVIDED BY OTHERS. ALL NOTED (*) DETAILS ARE NOT INCLUDED WITH RUSTROL® PRODUCTS.
- 6) CABLE LENGTH IS RECOMMENDED NOT TO EXCEED 2 METRES [6 FEET] IN EITHER DIRECTION TO AND FROM THE DC-DECOUPLER™ DCD-ATEX.
- 7) ACCEPTABLE GROUND RESISTANCE, SURROUNDING THE COPPER CABLE, IS 1 OHM OR LESS (ICCC RECOMMENDS LORESCO® POWERFILL™)
- 8) WHILE PUBLISHED STATEMENTS ARE BELIEVED TO BE ACCURATE, THEY ARE OFFERED AS SUGGESTIONS ONLY. ANY USE THEREOF IS AT THE USER'S INDEPENDENT DISCRETION.
- 9) THE LAYOUT AND STRATEGIES CONTAINED HEREIN MAY NOT BE SUITABLE FOR EVERY SITUATION. IT IS RECOMMENDED THAT THE "END-USER" CONSULT WITH A PROFESSIONAL ENGINEER FAMILIAR WITH ANSI, IEEE, NACE, CSA, EN, BSI, AND ANY OTHER APPLICABLE STANDARD, AND LOCAL REGULATIONS.
- 10) INSTALLATION IS RECOMMENDED TO BE UNDERTAKEN BY AN AUTHORIZED ELECTRICIAN / CONTRACTOR FAMILIAR WITH INSTALLATION CODES WITHIN THE JURISDICTION OF THE COUNTRY FOR WHICH THE RUSTROL® PRODUCT IS BEING INSTALLED WITHIN.
- 11) ICCC IS NOT LIABLE FOR DAMAGES CAUSED BY INCOMPATIBILITY OF ANY NON-RUSTROL® COMPONENT CONNECTED TO THE RUSTROL® SYSTEM.
- 12) THIS DRAWING REMAINS THE PROPERTY OF INTERPROVINCIAL CORROSION CONTROL COMPANY LTD / INTERNATIONAL CORROSION CONTROL LTD.

No.	Date	By	Revision
0	MAY 28/2015	H.O.	ISSUED FOR REVIEW

Chk'd By	Date
<i>Halus</i>	MAY 28/2015

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Project	TYPICAL INSTALLATION UTILIZING RUSTROL® DC-DECOUPLER™ MODEL: DCD-ATEX-DT WITH GRADIENT CONTROL SYSTEM-COPPER CABLE FOR AC MITIGATION
Drawing No.	DCD-9D
Rev.	0