## QUALIFICATION TESTS:
**NVENT ERICO CADWELD PERMANENT GROUNDING CONNECTORS**

<table>
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<th>Client:</th>
<th>nVent ERICO - 34600 Solon Road Solon, Ohio, 44139, USA</th>
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| Project No.: | PL-26132 (Nov. 2014): 4/0 Equivalent Copper Clad Steel Cable 19/#8 40% Copper Testing  
PL-26207 (Jul. 2015): 4/0 Copper Cable Testing  
| Test Standard: | IEEE Std. 837-2014 |
| Tested Item: | 13 designs of permanent connections used in substation grounding. |
| Type Identification: | A) 4/0 Equivalent Copper Clad Steel Cable 19/#8 40% Copper Testing  
B) 4/0 Copper Cable Testing  
Design 1: LAC9GEE  
Design 2: VSC9G  
Design 3: PTC9G9G  
Design 4: XBQ9G9G  
Design 5: TAC9G9G  
Design 6: GTC189G  
Design 7: VSC2Q  
Design 8: PTC2Q2Q  
Design 9: XBM2Q2Q  
Design 10: LAC2QEE  
Design 11: SSC2Q  
Design 12: HDPTC2Q2Q  
Design 13: GTC182Q |
| Results: | 1. Designs 1 to 13 passed the Electromagnetic Force (EMF) test per clause 7.2 of IEEE Std. 837-2014.  
2. Designs 8 and 13 were also submitted for sequential tests and passed the following tests in accordance with IEEE Std. 837-2014:  
a. Current-temperature cycling (Clause 8)  
b. Freeze-thaw (Clause 9)  
c. Corrosion- salt spray (Clause 10.2)  
d. Corrosion- acid (Clause 10.3)  
e. Fault current (Clause 11) |
| Remarks: | The tested samples were provided and identified by the client. |

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