1. REMOVE DAMAGED CONCRETE AND CLEAN STEEL AS PER STANDARD KBI REPAIR METHODS.

2. ENSURE EXPOSED REINFORCING STEEL IS SECURELY FASTENED WITH TIE WIRE TO PROVIDE GOOD ELECTRICAL CONTINUITY.

3. ATTACH GALVASHIELD® XPX ANODES TO CLEAN STEEL AT AN EVEN SPACING WITHIN THE REPAIR AREA. PLACE THE ANODE AS CLOSE AS POSSIBLE TO THE INTERFACE BETWEEN THE REPAIR AND THE PARENT CONCRETE (WITHIN 4 INCHES (100MM) WHILE STILL ALLOWING THE REPAIR MATERIAL TO ENCASE THE ANODE.

4. GALVASHIELD® XPX ANODES ARE TO BE INSTALLED PER THE DESIGN DRAWINGS AND SPECIFICATIONS ALONG THE PERIMETER OF THE REPAIR AREA. AFTER ALL CHLORIDE CONTAMINATED CONCRETE HAS BEEN REMOVED. ADDITIONALLY, IF ANY CHLORIDE CONTAMINATED CONCRETE REMAINS WITHIN OR BELOW THE REPAIR AREA AND IS IN CONTACT WITH ANY LAYER OF REINFORCING STEEL THEN IT MAY BE NECESSARY TO PLACE GALVASHIELD® XPX ANODES IN A GRID PATTERN WITHIN THE INTERIOR OF THE REPAIR AREA.

5. TEST ELECTRICAL CONTINUITY OF THE REINFORCING STEEL BEFORE INSTALLATION AND REPAIR AS NECESSARY. TEST ELECTRICAL CONTINUITY OF ANODE CONNECTION TO REINFORCING STEEL AFTER INSTALLATION. A DC VOLTAGE MEASUREMENT OF ≤1mV CONFIRMS GOOD CONTINUITY.

6. POUR BACK REPAIR AREA WITH COMPATIBLE REPAIR MATERIAL AS PER PROJECT SPECIFICATIONS.
GALVASHEILD XP X

1. INSTALLATION STEP #1
   - Scale N.T.S.
   - Feed one wire over rebar.
   - Clean reinforcing steel (rebar).
   - Place anode parallel to and snug against the rebar.

2. INSTALLATION STEP #2
   - Scale N.T.S.
   - Feed one wire under rebar.
   - Clean reinforcing steel (rebar).
   - Place anode parallel to and snug against the rebar.
   - Pull wire tightly over rebar wrapping one full revolution outward from anode and then to back of rebar as shown.

3. INSTALLATION STEP #3
   - Scale N.T.S.
   - Wire hook tool.
   - Clean reinforcing steel (rebar).
   - Twist the wires together and then twist tighten with a wire hook until all wire is tight to the rebar. Then confirm wires are continuous to rebar using a multimeter.

4. INSTALLATION STEP #4
   - Scale N.T.S.
   - Clean reinforcing steel (rebar).
   - Bend twisted wires against the rebar.

ANODE ORIENTATION NOTE: Anodes may be installed as shown with the wider side on the bottom, or may be rotated 180-degrees to have the wider side at the top.

Project No.

Drawing No.

Drawing Revisions

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6/12/23

S.Y.

GALVASHEILD XPX ANODE (170mm x 33mm x 35mm)

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GALVASHEILD XPX ANODE (170mm x 33mm x 35mm)
1. **Alternate Installation at Rebar Intersection**

   - **STEP 1:** Feed wires over & under bars as shown. Twist wires tight and test continuity per steps on CP 1.1.
   - **STEP 2:** Clean reinforcing steel (rebar).

2. **Section at Anode**

   - **Anode Orientation Note:** Anodes may be installed as shown with the wider side on top, or may be rotated 180-degrees to have the wider side at the bottom.

   - **Wire Hook Tool:**
     - Anode wires twisted tight to rebar in a wire hook tool and then bent down to rebar per sheet CP 1.1.

   - **Anode Wire Wrapped Under Rebar:**
     - Anode wire wrapped under rebar at opposite end of anode.

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**SCALE: N.T.S.**

**PROJECT NO.**

**DRAWING NO.**

**DRAWING REVISIONS**

**DATE**

**DESCRIPTION**

**BY**

**VECTOR CORROSION TECHNOLOGIES**

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