1. Remove damaged concrete and clean steel as per standard ICRI repair methods.

2. Ensure exposed reinforcing steel is securely fastened with tie wire to provide good electrical continuity.

3. Attach GALVASHIELD XP4 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 XP4 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 XP4 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.
**INSTALLATION STEP #1**

1. **FEED ONE WIRE OVER REBAR**
2. **PLACE ANODE PARALLEL TO AND SNUG AGAINST THE REBAR.**

**GALVASHIELD XP4 ANODE (130MM X 40MM X 35MM)**

**INSTALLATION STEP #2**

1. **FEED ONE WIRE UNDER REBAR**
2. **CLEAN REINFORCING STEEL (REBAR)**

**GALVASHIELD XP4 ANODE (130MM X 40MM X 35MM)**

**INSTALLATION STEP #3**

1. **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.**

**GALVASHIELD XP4 ANODE (130MM X 40MM X 35MM)**

**INSTALLATION STEP #4**

1. **CLEAN REINFORCING STEEL (REBAR)**
2. **TWIST THE WIRES AGAINST THE REBAR.**

**GALVASHIELD XP4 ANODE (130MM X 40MM X 35MM)**

**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.
1. Alternate Installation at Rebar Intersection

2. Section at Anode

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