



















Corrosion Potentials

- Determines the risk of active corrosion.
- Measures the potential difference between the steel reinforcement and a reference electrode to identify the probability of active corrosion.













































































Grout Issues that lead to Tendon Corrosion:

- 1. Bleed water voids
- 2. Voids due to grouting problems
- 3. Segregated grout
- 4. Chloride contaminated grout
- 5. Soft grout



Bleed water in duct















































Tidal Jacket

- Tidal zone protected
 - Zinc mesh anode
 - Open bottomed FRP Jacket
 - Allows saltwater inside
- Bulk anode for underwater protection





















































































