TWIN & TRIPLE SS5 HELICAL PIERs / ANCHORS

LEAD SECTION

Plain Extension

Typical Pier / Anchor Assembly

Notes
1. HOT DIP GALVANIZED PER ASTM A153—(LATEST REV.)
2. SHAFT MATERIAL—HOT ROLLED ROUND−CONNERED SQUARE (RCS) SOLID STEEL BARS PER ASTM A29; MINIMUM YIELD STRENGTH=70 KSI.
3. HELIX MATERIAL—HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A572, OR A1018, OR A569; MINIMUM YIELD STRENGTH=50 KSI; 3/8" THICK.
5. NOMINAL SPACING BETWEEN HELICAL PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
6. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
7. ALL WELDING TO BE COMPLETED BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
8. ALL HELICES HAVE A SHARPENED LEADING EDGE.
9. TORQUE STRENGTH RATING—5,500 FT−LB.
10. ULTIMATE CAPACITY (TENSION/COMPRESSION)−55 KIP, BASED ON A TORQUE FACTOR (k) = 10.
11. ULTIMATE TENSION STRENGTH (COUPLING BOLT)−70 KIP.

Plain Extension

Scale: N.T.S.