



Dixie Precast, Inc.
STANDARD SPECIFICATIONS

1. All Dixie Precast products meet or exceed the American Railway Engineering and Maintenance-of-Way Association (AREMA) standards as set forth in the "Manual For Railway Engineering".
2. Reinforcement steel should be welded into mats or cages to assure proper placement and alignment. Reinforcement steel shall be placed not less than one inch from outer surface.
3. Bolts, nuts, and threads shall be in accordance with Manual Part 14.6.20 (Recommended Design Criteria for Bolts, Nuts, and Threads).
4. Washers shall be in accordance with Manual Part 14.6.21 (Recommended Criteria for Plain and Spring Washers).
5. Bolts, nuts, and washers shall be hot dipped galvanized in accordance with Manual Part 15.3.1 (Recommended Developmental Criteria for Metallic Coating of Metals).
6. Concrete shall be in accordance with AREMA Specifications for Concrete Structures and Foundations Chapter 8. Coarse aggregate shall consist of one half inch maximum size stone or gravel. Air-entrainment will be no less than 5%. The concrete shall have a compressive strength which shall not be less than 5,000 pounds per square inch after 28 days.
7. Coil loop inserts, if used, shall be in accordance with specifications of the precast manufacturer's concrete inserts. The coil eye bolt shall support a load of not less than 3,000 pounds when installed.
8. Steel plate and nut assemblies shall be placed such that when assembled, the bolts will be perpendicular to the base plate upper surface within one degree of perpendicular.
9. Top and bottom surfaces of all parts shall be flat and parallel.
10. All weights shown on components in drawing are approximate. All drawings are not to scale unless noted.

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11. When prepared for shipment the nut cavities or any coil loop inserts must be sealed with non corrosive grease and/or cap or threaded plug to avoid intrusion of ice, cement slurry, or other blockages. Lifting pockets will have drain holes to allow for drainage.
12. Preassembled foundations shall have the gross weight of the assembly shall be indelibly marked on each assembly before shipment.
13. Foundations shipped for field assembly shall have the gross weight for each component indelibly marked on each piece. Total weight for the assembled foundation shall be shown on the assembly drawings.
14. All foundation components shall be marked with date of manufacture.

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