



## MULTIDRAIN® STANDARD SPECIFICATION

12" (304 mm) Steel Liner Trench Drain System with Ductile Iron Grate (Standard)

### System ID#: MultiDrain® Series 1200

Trench drain shall be MultiDrain® Series 1200; By MultiDrain Systems, Inc., which is located at: 1405 Industrial Drive; Statesville, NC 28625; ASD. Toll Free Tel: 800-433-1119; Tel: 704-508-1010; Fax: 704-508-1011; Email: [request info \(steve.born@multidrain.com\)](mailto:request_info@multidrain.com); Web: [www.multidrain.com](http://www.multidrain.com).

- A. Product: MultiDrain Series 1200 (12 inch nominal) as manufactured by MultiDrain Systems.
1. Construction: The system consists of metal former liners, grate Z-Frame, frame anchorage into the surrounding concrete and grates. Trench depth from 6 inches to a maximum of 18 inches (152 mm to 457 mm) deep.
  2. Trench Grate Loading: AASHTO M306-HS25
  3. Trench Width (Nominal): 12 inches (304 mm)
  4. Liner (channel): Overlapping sections with adjustable slope from 0 percent to 1 percent.
    - a. Gauge: 16 ga (0.0598 inch) (1.5 mm). (Standard)
    - b. Gauge: 18 ga (0.0478 inch) (1.2 mm). (Optional)
    - c. Coating: 304 Stainless steel - mill finish. (Optional)
    - d. Coating: 316 Stainless steel - mill finish. (Optional)
  5. Grate Z-Frame: Rebar anchor stand for grade adjustment of frame.
    - a. Material: Steel – Hot Dipped Galvanize (Standard)
    - b. Material: 304 Stainless steel - mill finish. (Optional)
    - c. Material: 316 Stainless steel - mill finish. (Optional)
  6. Grate: Ductile iron.

### Grate: EG-1424-1DI-A2P

- a. Material: Ductile Iron
- b. Size (in.): 14" Wide x 24" Long
- c. Grate Slot Size: 1-3/16" x 6-3/8"
- d. Open Area: 67%
- e. Square Inches per Lin. Ft.: 112.0
- f. Load Rating: AASHTO M306-HS25

### Quality Assurance:

**Submittals:** A Certificate of Compliance in conformance with the provisions of these Standard Specifications shall be furnished to the Engineer. Grates shall be independently tested to AASHTO M-306.