



Precast Trench Drain Inlets

Core Product Line

CORE PRODUCTS DIVISION



OVERVIEW

Precast Trench Drain Inlet Structures are produced in sectional units as required for each specific installation. They are recommended for storm drainage inlets where long sections of grating are the best solution for intercepting surface drainage. Savings are substantial compared to cast-in-place trench drain inlet structures

SIZES

Precast trench drain inlet structures are available in a variety of sizes and lengths. Generally, the sizes shown are considered standard sizes. Other custom sizes are available.

APPLICATION

Precast trench drain inlet structures can be used for the following:

- Surface inlets
- Across entrances and driveways
- Across garage access
- entrances
- Perimeter drainage
- Large area drains

JOINTS

Precast trench drain inlet structures are produced with butt joints and are typically sealed with preformed mastic or butyl gaskets, or other approved sealant.

LININGS / COATINGS

A variety of linings and coatings are available where project conditions dictate use.

APPURTENANCES

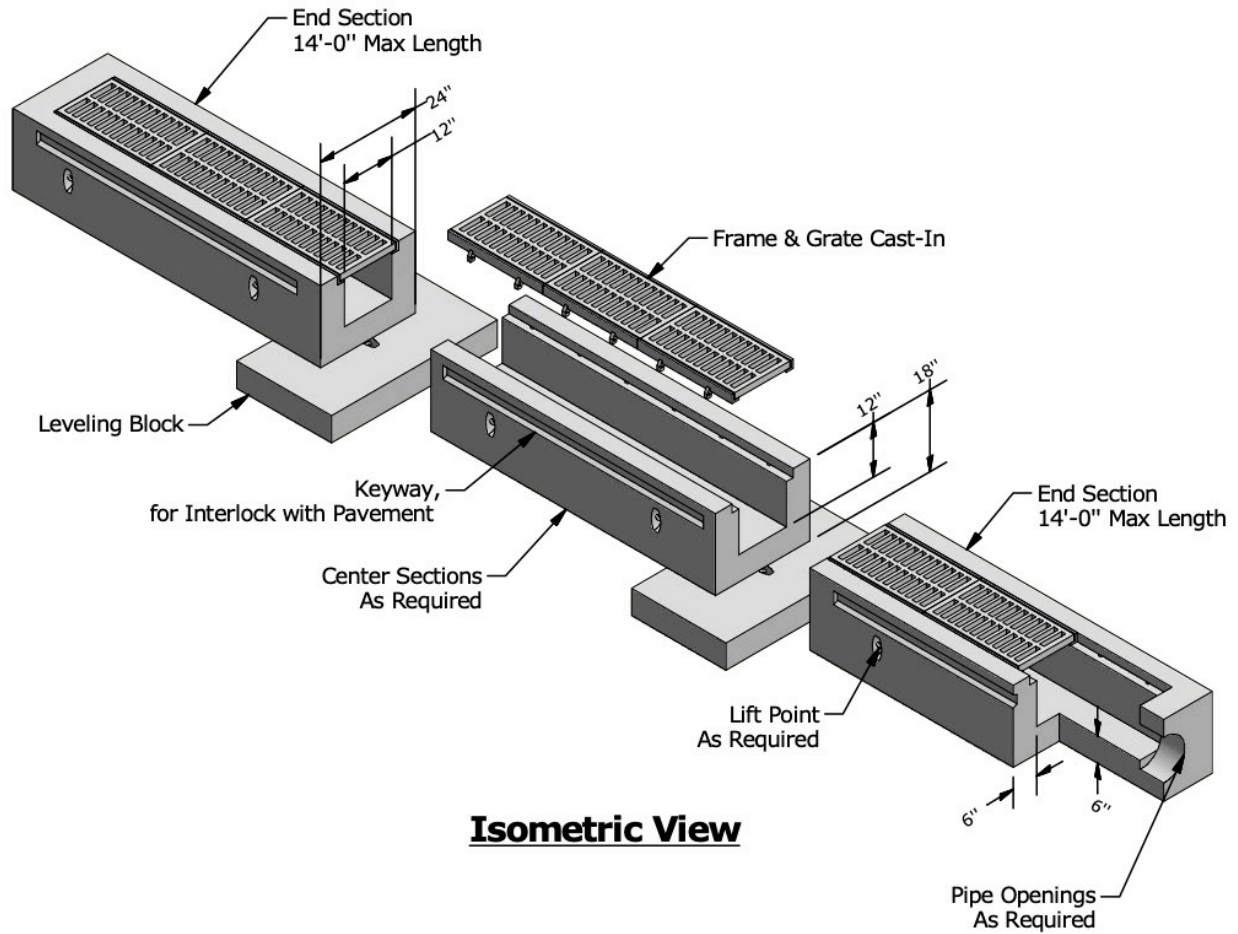
A variety of frame and grates available for precast trench drain inlets.

APPLICABLE SPECIFICATIONS

- **ASTM C890** -Practice for Minimum Structural Design Loading for Monolithic or Sectional Precast Concrete Water and Wastewater Structures
- **ASTM 913** - Precast Concrete Water and Wastewater Structures.
- **State Department of Transportation Standards.**



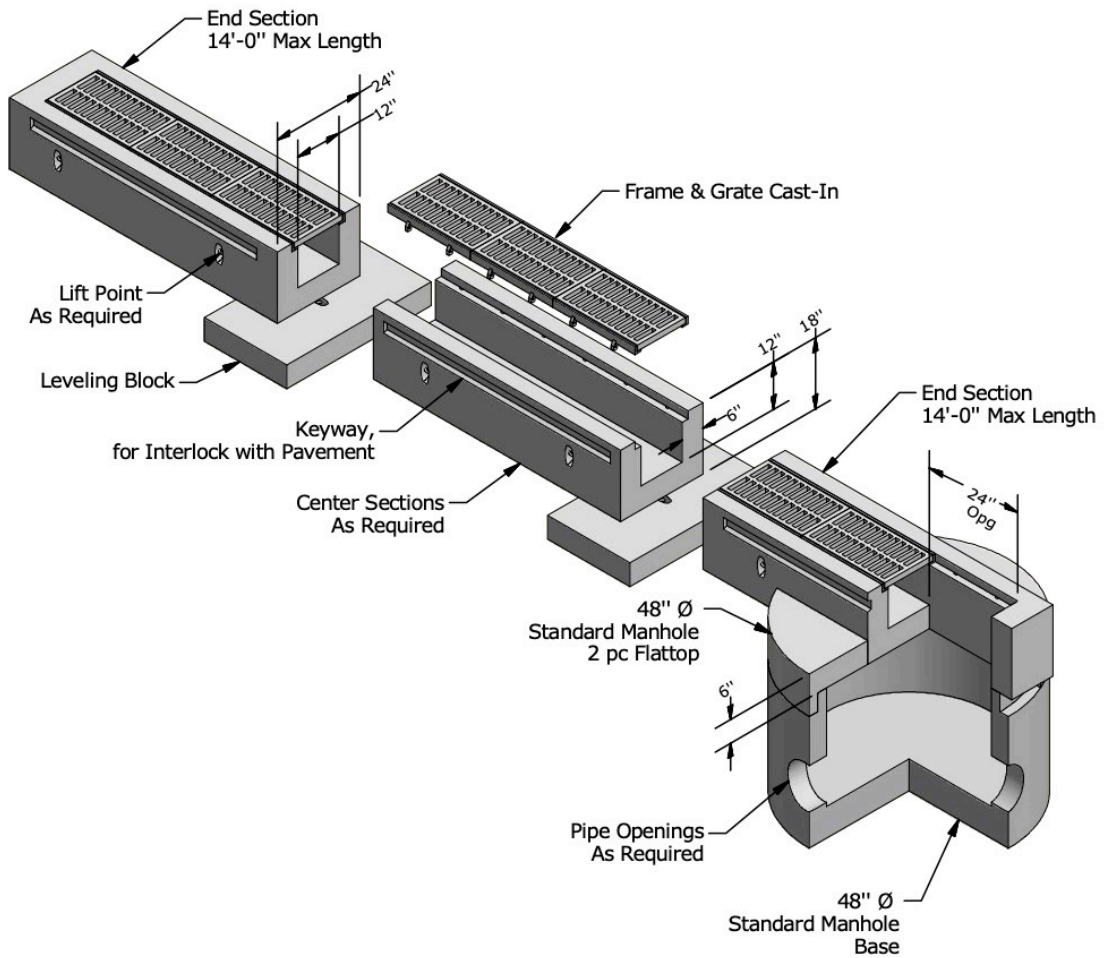
PRECAST 12" X 12" TRENCH DRAIN ASSEMBLY



NOTES

1. Concrete compressive strength 4,000 psi minimum.
2. Steel reinforcing design to conform to the requirements of ASTM C706 or A615, grade 60 rebar or WWP conforming to the requirements of ASTM A185, grade 65 or both.
3. Designed for HS-20 loading, 30% impact.

PRECAST 12" X 12" TRENCH DRAIN MANHOLE ASSEMBLY

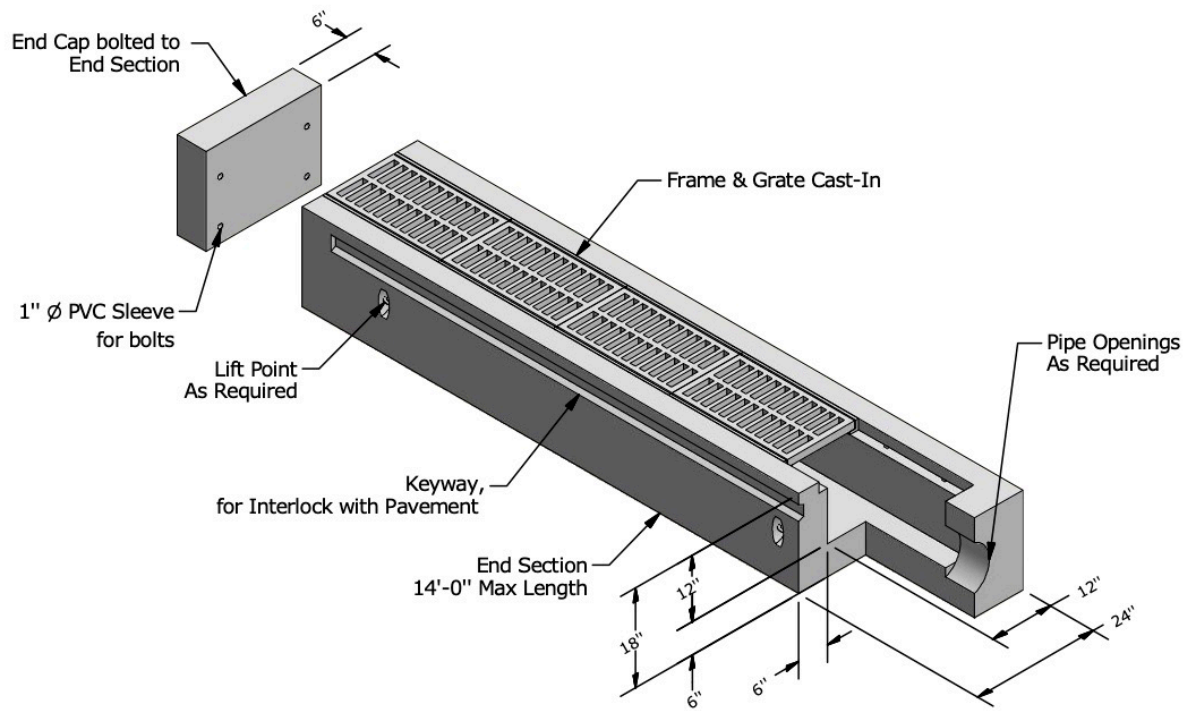


Isometric View

NOTES

1. Concrete compressive strength 4,000 psi minimum.
2. Steel reinforcing design to conform to the requirements of ASTM C706 or A615, grade 60 rebar or WWP conforming to the requirements of ASTM A185, grade 65 or both.
3. Manhole sections conform to ASTM C478.
4. Designed for HS-20 loading, 30% impact.
5. See joint details for joint options.
6. Steps may be provided, see step detail sheet.

PRECAST 12" X 12" TRENCH DRAIN SINGLE SECTION

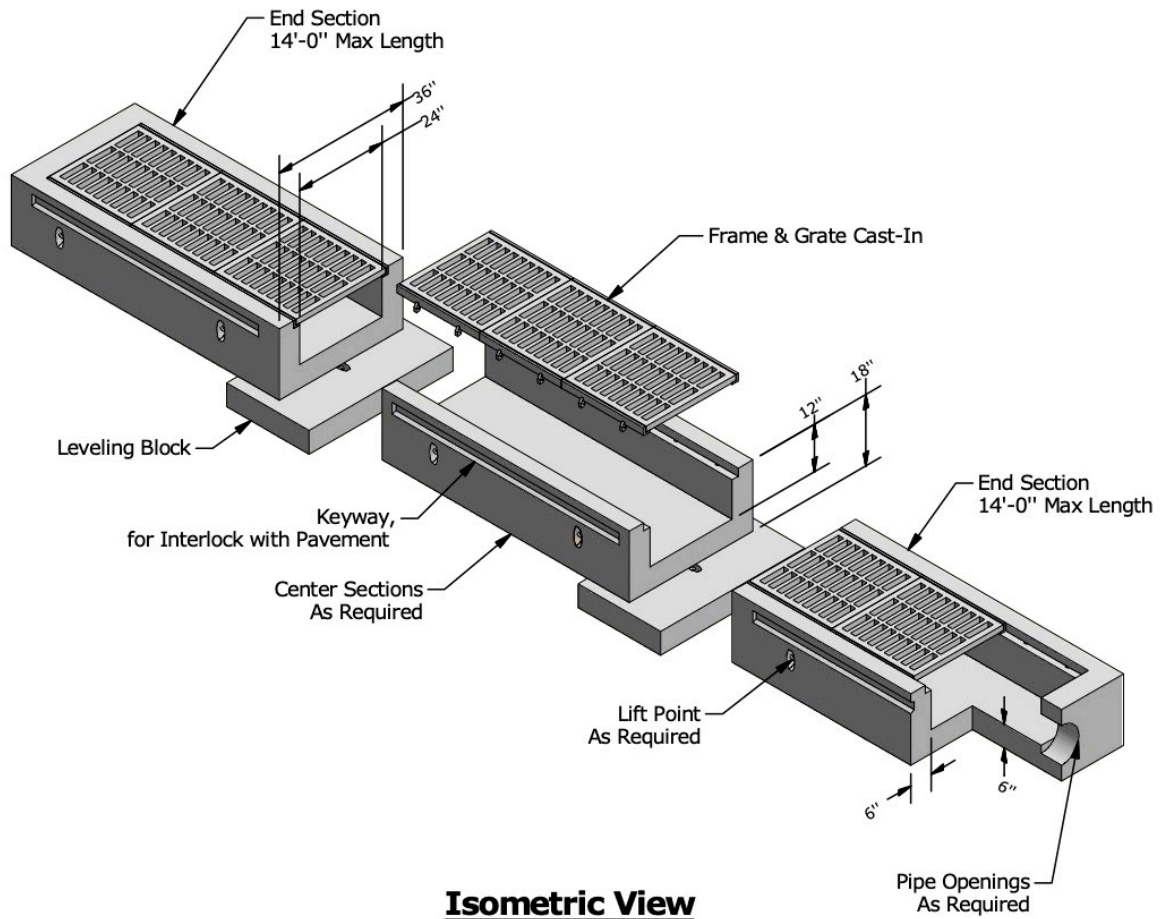


Isometric View

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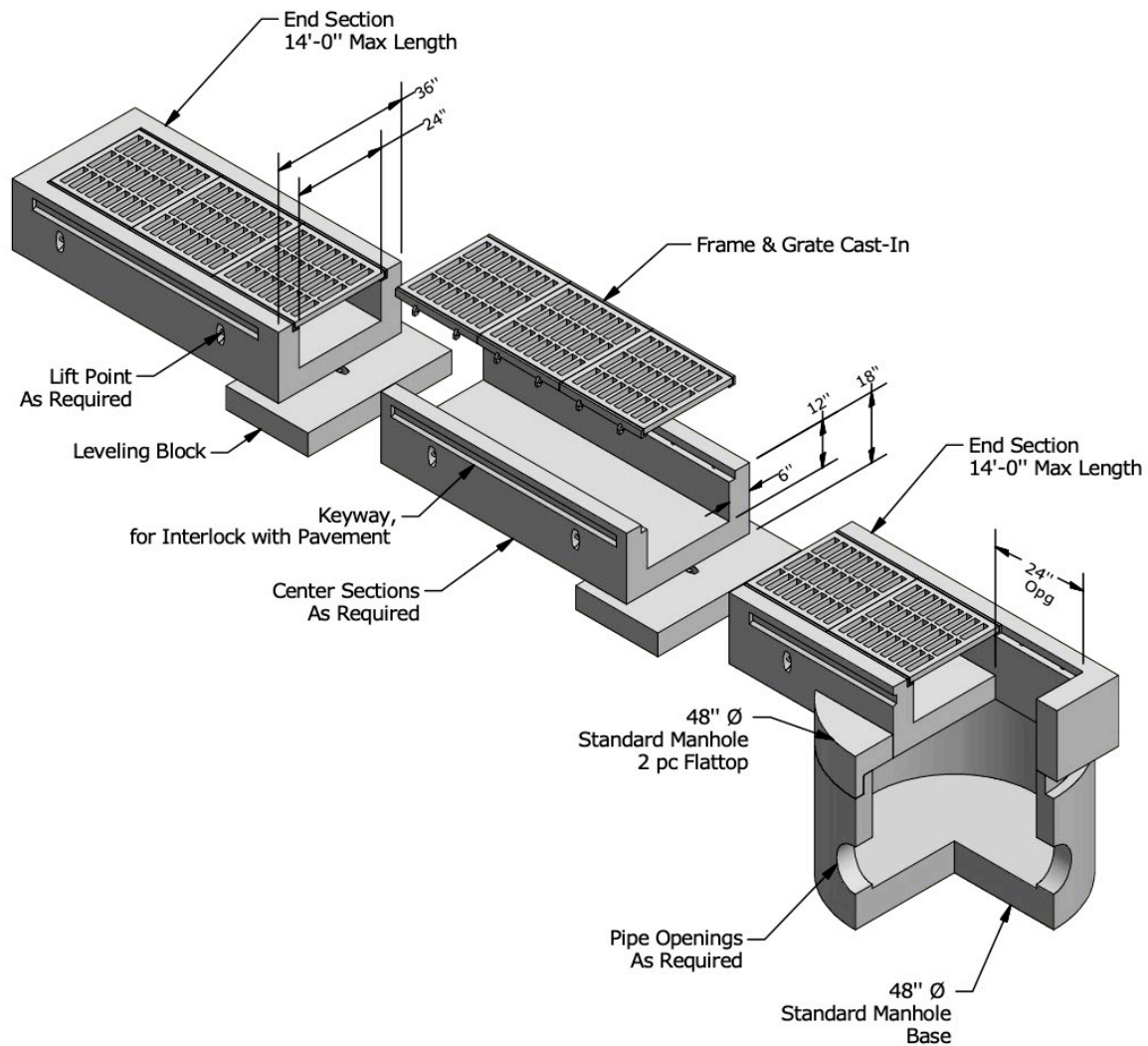
PRECAST 24" X 12" TRENCH DRAIN ASSEMBLY



NOTES

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3. Designed for HS-20 loading, 30% impact.

PRECAST 24" X 12" TRENCH DRAIN MANHOLE ASSEMBLY

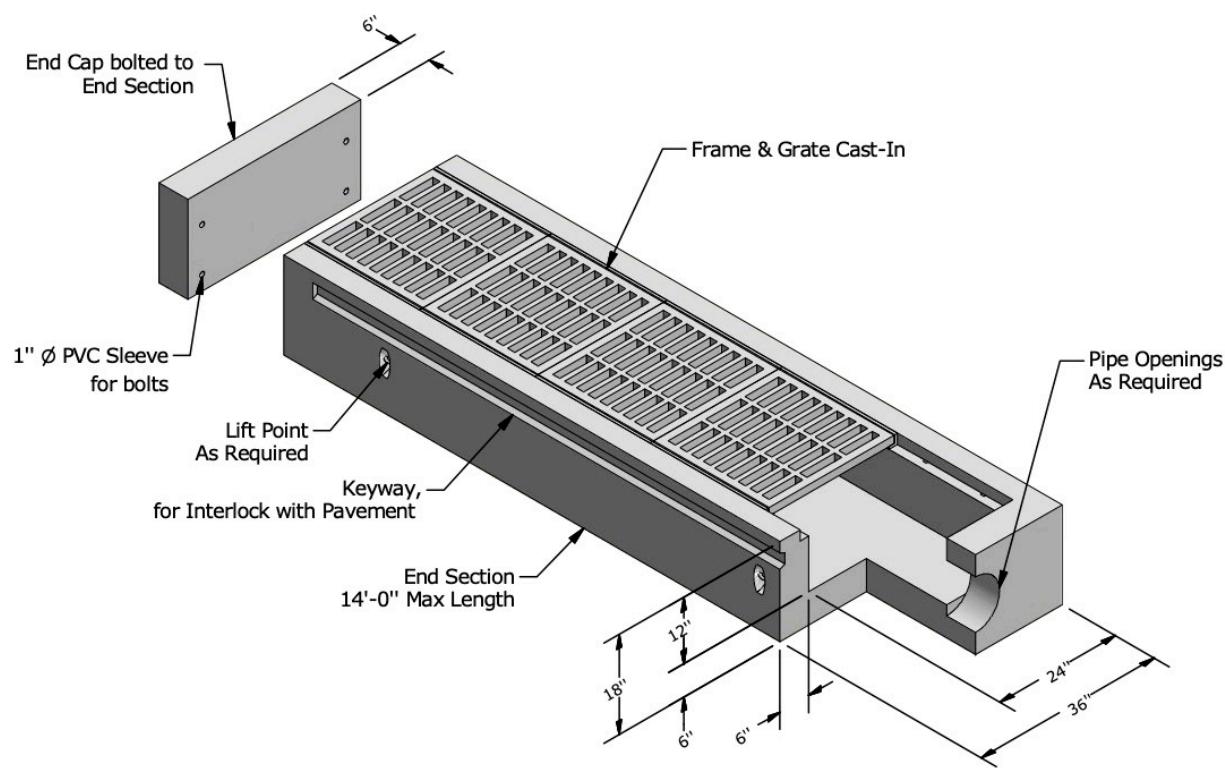


Isometric View

NOTES

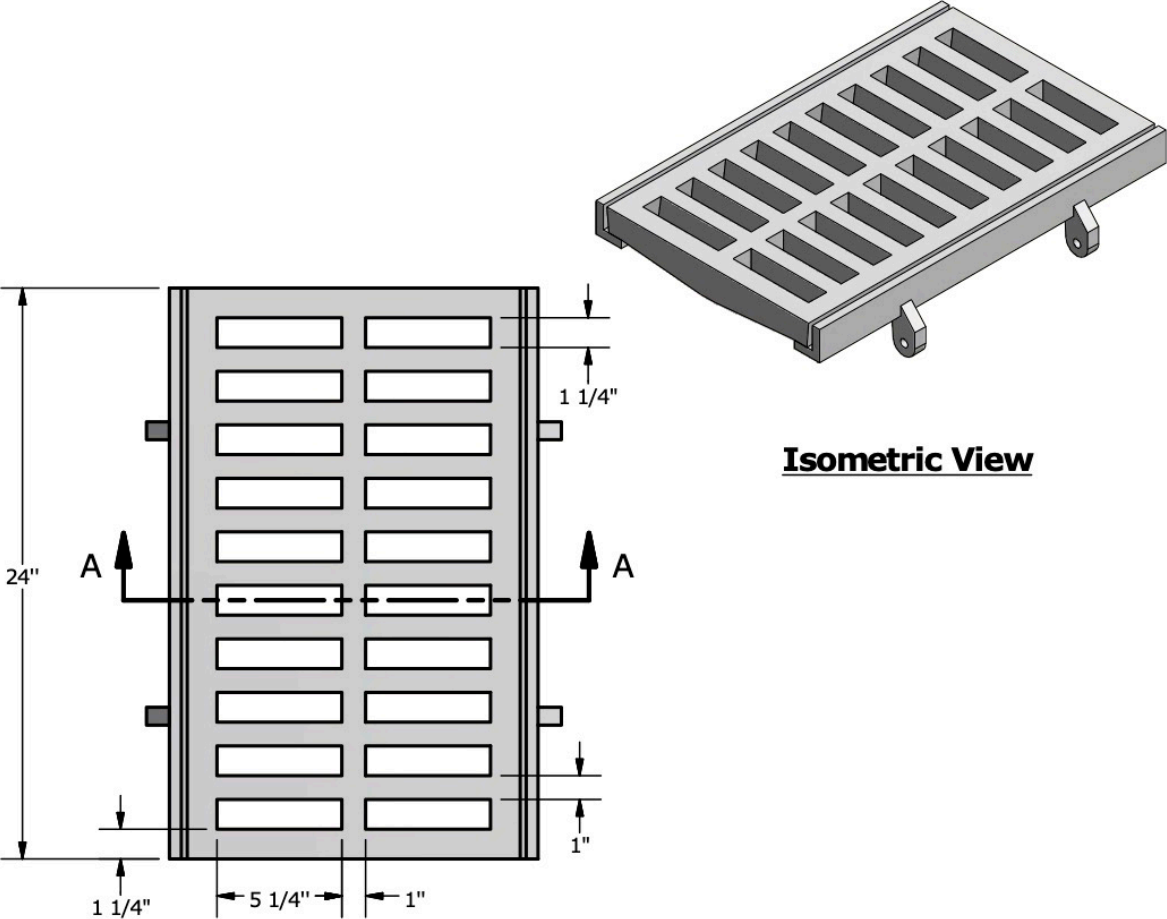
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PRECAST 24" X 12" TRENCH DRAIN SINGLE SECTION

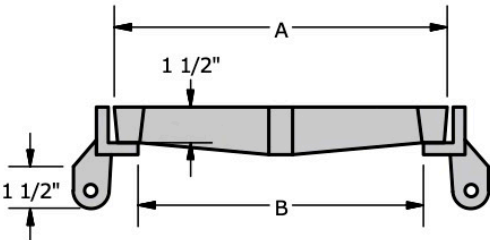


Isometric View

STANDARD HEAVY DUTY TRENCH DRAIN FRAME & GRATE



Plan View



SECTION A-A

Dimensions		
Item	A	B
TGF-14	14"	12"
TGF-26	26"	24"

NOTES

1. Material specifications conform to Gray iron ASTM A48 class 35B.

2. Placement of Anchor Lugs on frame may vary from detail.



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