

# Collector Pans



A Versatile System

# Contech Collector Pans

## Economical, Efficient Containment of Liquid Pollutants

Contech Collector Pans are a modular system of steel pans and drains easily installed on existing or new tracks to catch wastes such as spilled or leaking fuel, oils and greases and other pollutants.

Their effectiveness has been proven in hundreds of installations for both railroads and industry. Typical applications are along fueling stations, ready tracks, tank car loading and unloading areas, washing facilities - anywhere that oils, chemicals and other pollutants can drip from standing cars and find their way into sewers and streams.

Pans are installed to cover the area completely between and immediately outside the rails. Cross drains are installed at right angles to the track between the ties to carry wastes and rainwater into under drains and on to treatment and disposal facilities.

## Three Adaptable Designs

Type 1 Collector Pans are designed for and are generally used at fueling areas. They also have been used at washing facilities and industrial tracks with heavy waste loads.

Type 2 and Type 2-Modified Pans are simplified versions of the Type 1 Pan. They are designed for ready tracks or other areas with less waste. They have proven excellent for fueling areas with existing or new concrete platforms.

Because they use fewer parts, both Type 2 and Type 2-Modified Pans are less expensive than Type 1 Pans. However, Type 1 Pans provide a tighter barrier against spills and are best suited for critical control areas. Type 2



*Contech Type 2 Collector Pans on ready tracks. The grating over the cross drain allows personnel to easily walk from side to side.*

Pans offer more adaptability where curves, platforms and turnouts are involved.

## Long Service Life, No Obsolescence

The strong and flexible steel construction of Contech Collector Pans helps avoid the cracking and resulting leaks that are possible with non-steel pans. And should an accident damage a Contech Collector Pan, its modular construction means that only the damaged section need be replaced at minimum cost.

Contech Collector Pans are also completely reusable. Yard layouts and the locations of fueling facilities and ready tracks change. Unlike concrete structures, Contech Collector Pans can be easily relocated at small cost.

In addition, Contech Collector Pans are easily removed for track maintenance simply by removing a few bolts. When reinstalled later, they still perform like new.

Components are also available in galvanized or stainless steel. Type 1 and 2 are galvanized in accordance

with ASTM A123, except minimum coating weight shall be 2 Oz/Sq. Ft., total both sides. Type 2-Modified when specified galvanized is manufactured from pregalvanized steel conforming to ASTM A446 with a minimum 2 Oz/Sq. Ft. coating, total both sides.

## Easy Field Installation with Minimal Downtime

Contech Collector Pans are engineered to be simple in design, rugged for handling ease, and easy to install. No special installation skills are needed.

A competent foreman, a welder, and four or five unskilled laborers can easily install a Type 1 or Type 2 Collector Pan system. A welder is not needed for Type 2-Modified Pans if rail joints are welded.

Installation involves only a minimal amount of track down-time. Contrast this with a comparable installation of concrete aprons. The concrete requires extra weeks of expensive, wasted time.

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## Modular Construction is Key to Versatility

While certain dimensions of Contech Collector Pans are standard, a wide range of module combinations can be made to meet specific requirements. For example:

- Contech Pans can be used on tracks with a descending grade as easily as on a level track and often they are more economical.
- On installations around curves, Type 2 Pans can be furnished pre-formed to fit most curves and simple field modifications will meet practically and field condition.
- If desired, pans can be installed between the concrete platforms on each fueling track.
- Underdrains can be included as part of your Contech Collector Pans system, and our plastic pipe has proven effective for this purpose. Joints are oil-tight, flow characteristics are excellent. Manholes and catch basins are also used on many installations.
- Contech Collector Pans are easily fitted around rail joints by field cutting with a torch to the approximate outline of the joint bars and bolts. We strongly recommend that rail joints be welded through all pan installations.
- Tie movements does not affect the performance of Contech Collector Pans. The pans are not rigidly attached to the ties but "float" on them. With Type 1 Pans, the aprons, attached to the rails, hold the pans in place. Type 2 Pans are bolted



*On this installation, concrete platforms were poured with a nosing angle on the edge. A zee flashing angle is welded to the angle, protecting against oil leakage.*

tightly to anchor angles under the rails, holding the pans down and securely against the rail web. Type 2-Modified Pans are fastened directly to the channel-shaped cross drains with self-drilling screws.

- Type 1 and Type 2 Collector Pans are appropriate for use on signaled track.

Your Contech Representative can provide additional information.

Module Data	14'-0" Type 1	11'x4" Type 1	9'-10" Type 2	10'-0" Type 2 Modified
Width-out to out of pan flanges	14'-0"	11'x4"	9'-10"	10'-0"
Module length-center to center of cross drains	19'-0"	19'-0"	19'-0"	39'x6" (varies)
Pan length-actual	18'-5"	18'-5"	18'-5"	19'-1 7/8"
Width of crosswalk	2'-0"	2'-0"	2'-0"	1'-6 3/4"
O.D. of cross drain downspout	5 1/2"	5 1/2"	5 1/2"	4"
Pan Gage	7	7	7	12
Nominal thickness	(0.179")	(0.179")	(0.179")	(0.105")

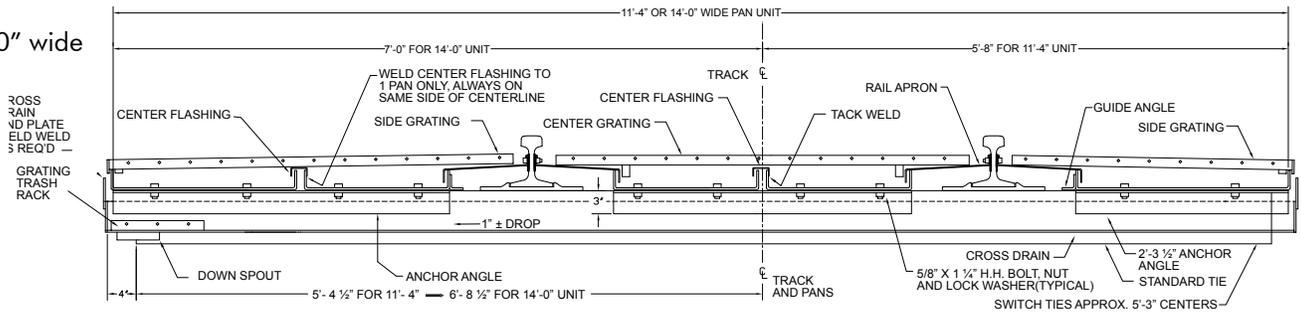


*On this installation, concrete platforms were poured with a nosing angle on the edge. A zee flashing angle is welded to the angle, protecting against oil leakage.*

## Type 1 Design (CP1)

Standard units

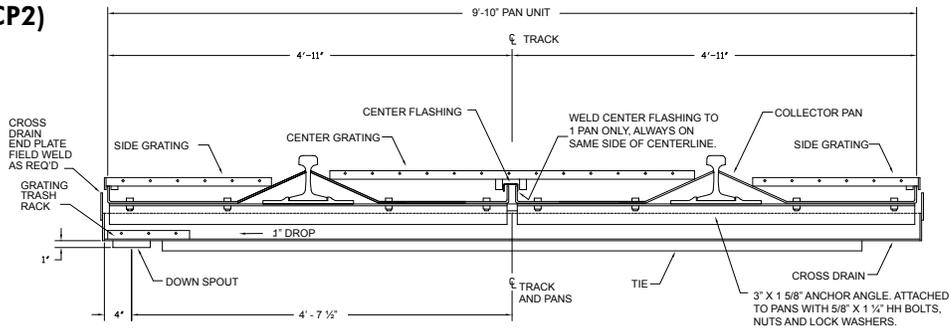
11'-4" or 14'-0" wide



## Type 2 Design (CP2)

Standard unit

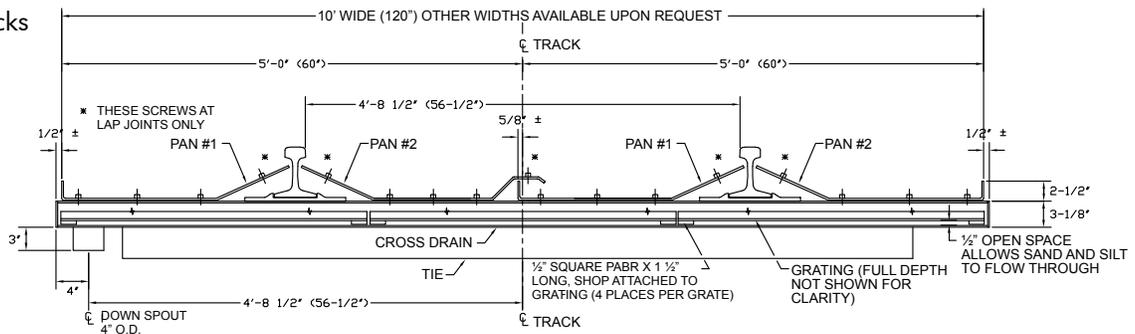
9'-10" wide



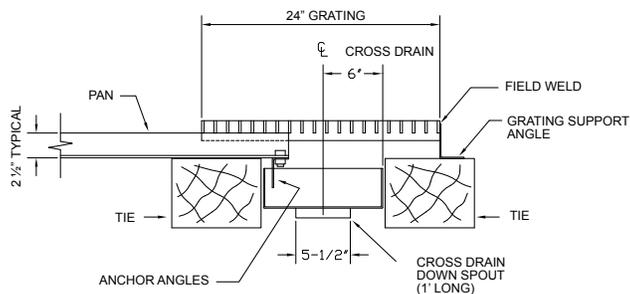
## Type 2-Modified Design (CP2M)

Standard unit » 10'-0" wide

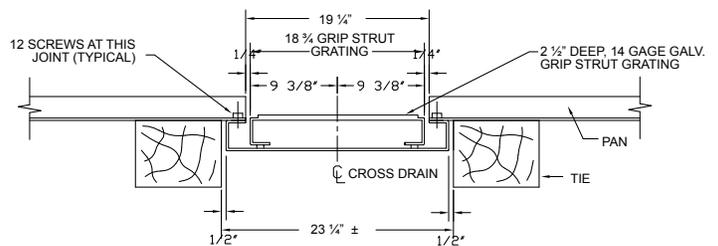
Not available for tracks with signal circuits



## Type 1 & Type 2 Design



## Type 2-Modified Design



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