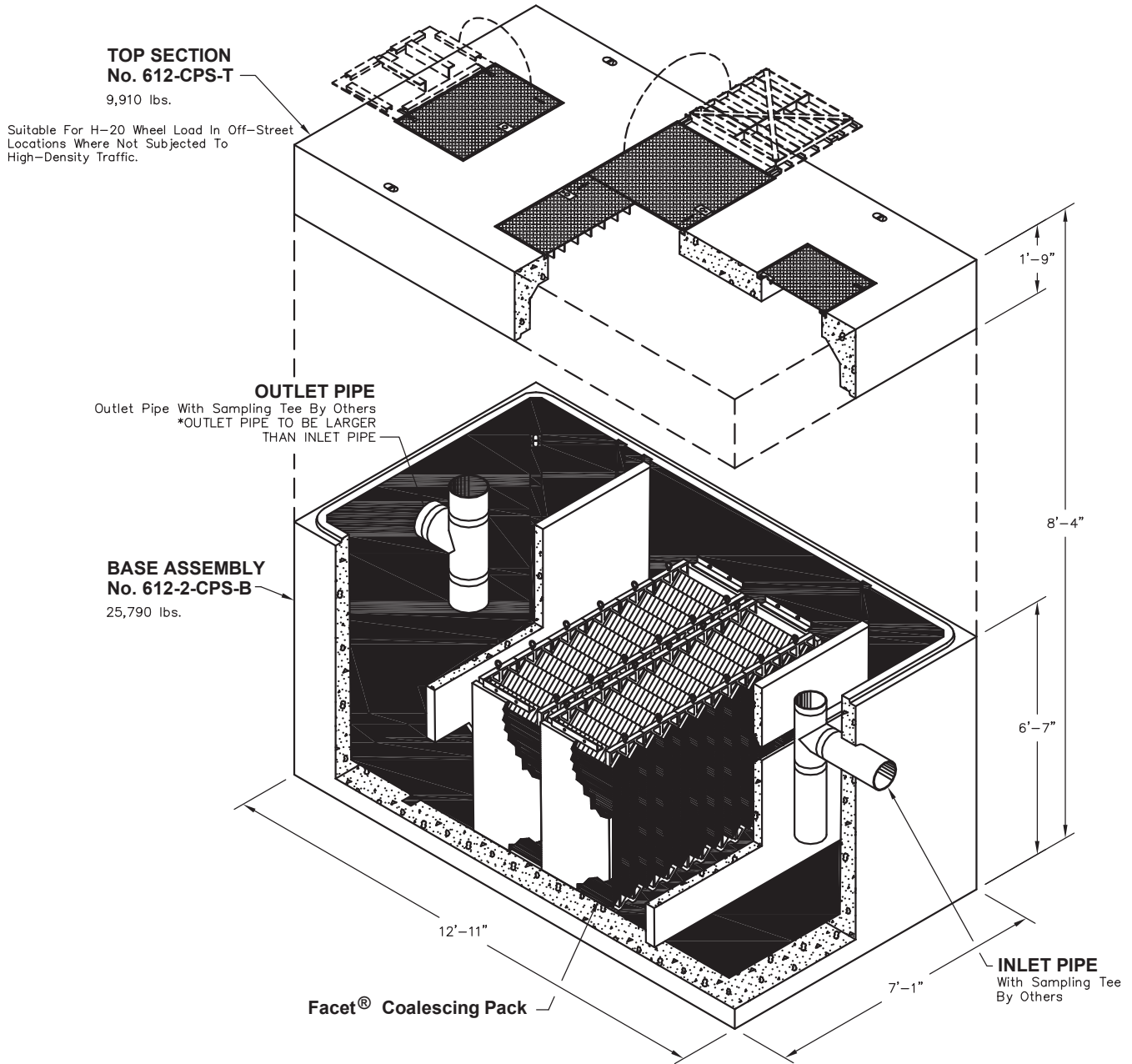


# 612-2-CPS OIL WATER SEPARATOR

Project Plate Area = 1,776 Sq/ft  
Maximum Process Flow = 830 GPM

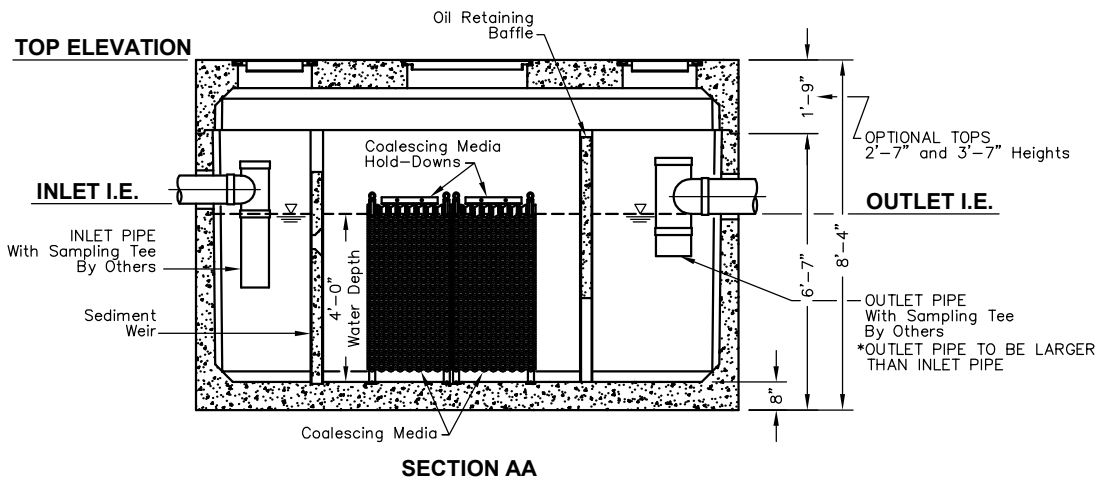
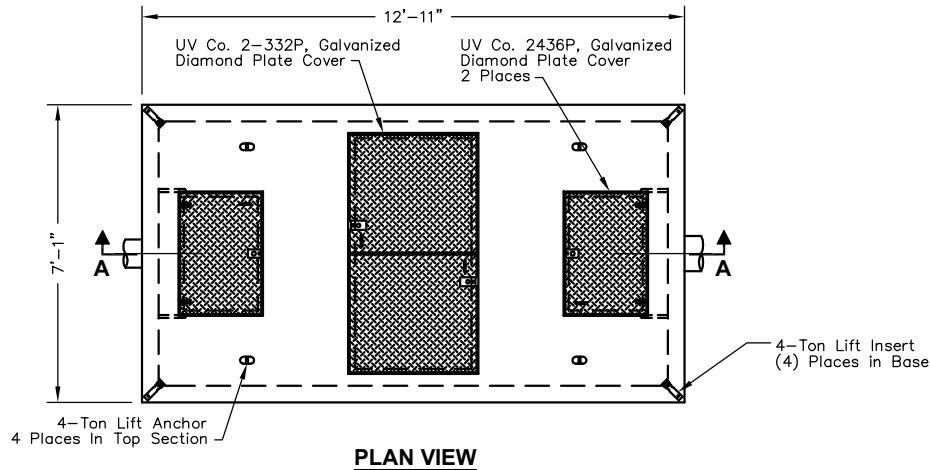


**FOR DETAILS, SEE REVERSE>>**

Items Shown Are Subject To Change Without Notice  
Issue Date: April 2016

# 612-2-CPS

Project Plate Area = 1,776 Sq/ft  
Maximum Process Flow = 830 GPM



- STRUCTURAL NOTES:**
1. Concrete: 28 Day Compressive Strength  $f'c = 7000$  psi
  2. Rebar: ASTM A-615 Grade 60
  3. Mesh: ASTM A-185 Grade 65
  4. Design: ACI-318-05 Building Code  
ASTM C-890 "Minimum Structural Design Loading For Underground Precast Concrete Water and Wastewater Structures"
  5. Loads: HS-20 Truck Wheel w/ 30% Impact Per AASHTO

- GENERAL NOTES:**
1. All Baffles and Weirs To Be Precast Concrete
  2. Static Water Depth = 4'-0"
  3. Contractor to:  
Supply and Install All Piping & Sampling Tees  
Grout In All Pipes  
Fill With Clean Water Prior To "Start-Up" Of System  
Verify All Blockout Sizes and Locations

- INFORMATION NEEDED:**
- Top Of Separator Elevation:
  - Inlet Pipe Size:
  - Inlet Pipe Elevation:
  - Outlet Pipe Size:
  - Outlet Pipe Elevation:

**BASIC DESIGN INFORMATION:**

**INFLUENT CHARACTERISTICS:**

- Oil Specific Gravity: 0.88
- Operating Temperature: 50°
- Influent Oil Concentration: 100 ppm
- Mean oil Droplet Size: 130 Microns
- 0.033 ft/min Oil Rise Rate
- Designed Per Washington State Department Of Ecology

FLOW RATE	EFFLUENT QUALITY	100% COLLECTED SIZE
438 GPM	10 ppm	60 Micron