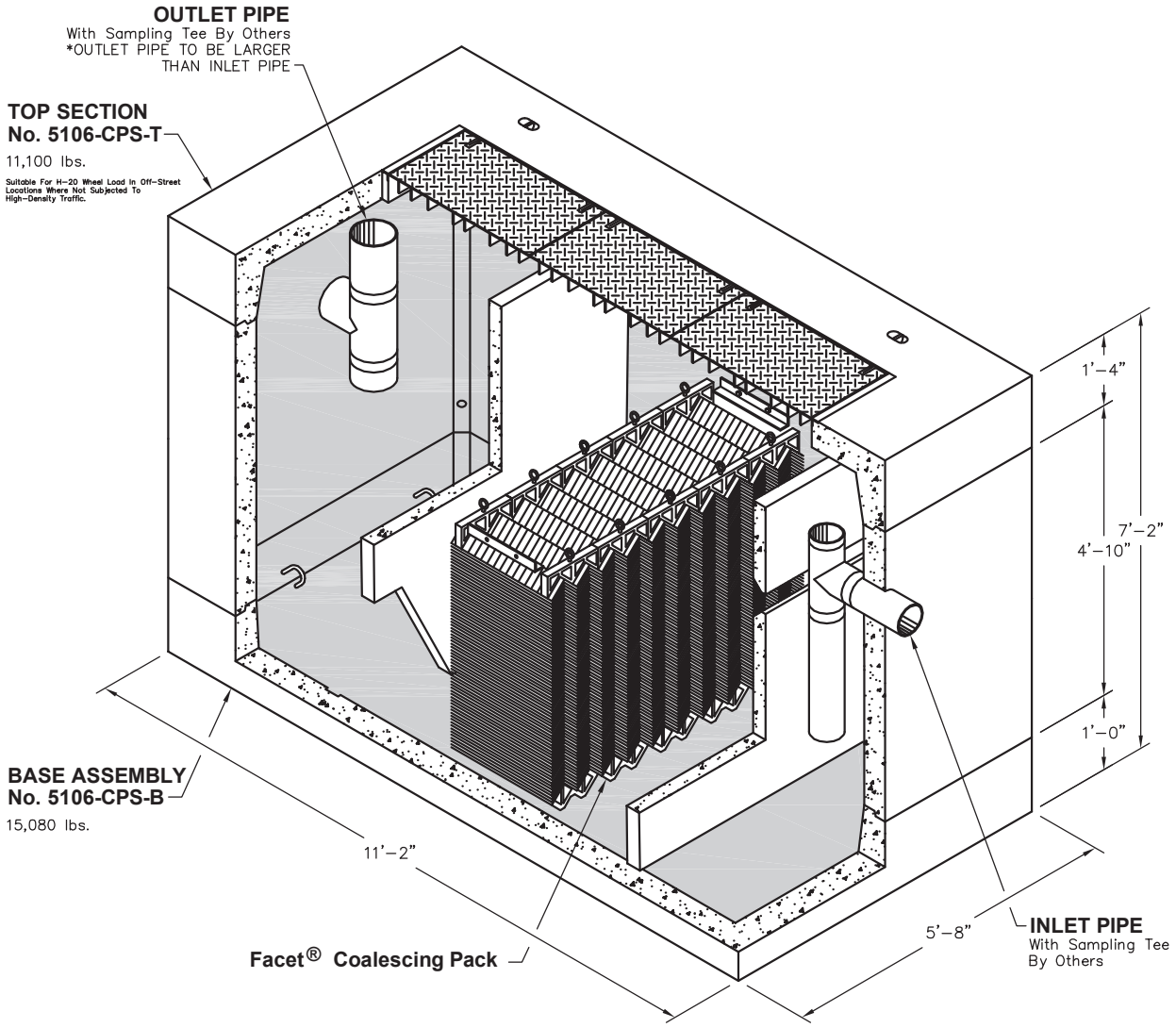
5106-CPS OIL WATER SEPARATOR

Project Plate Area = 740 Sq/ft
Maximum Process Flow = 690 GPM



FOR DETAILS, SEE REVERSE>>

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

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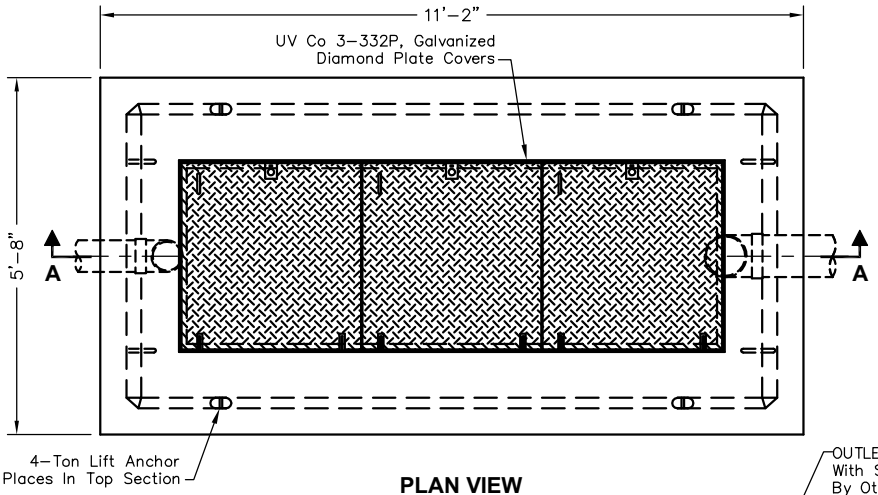
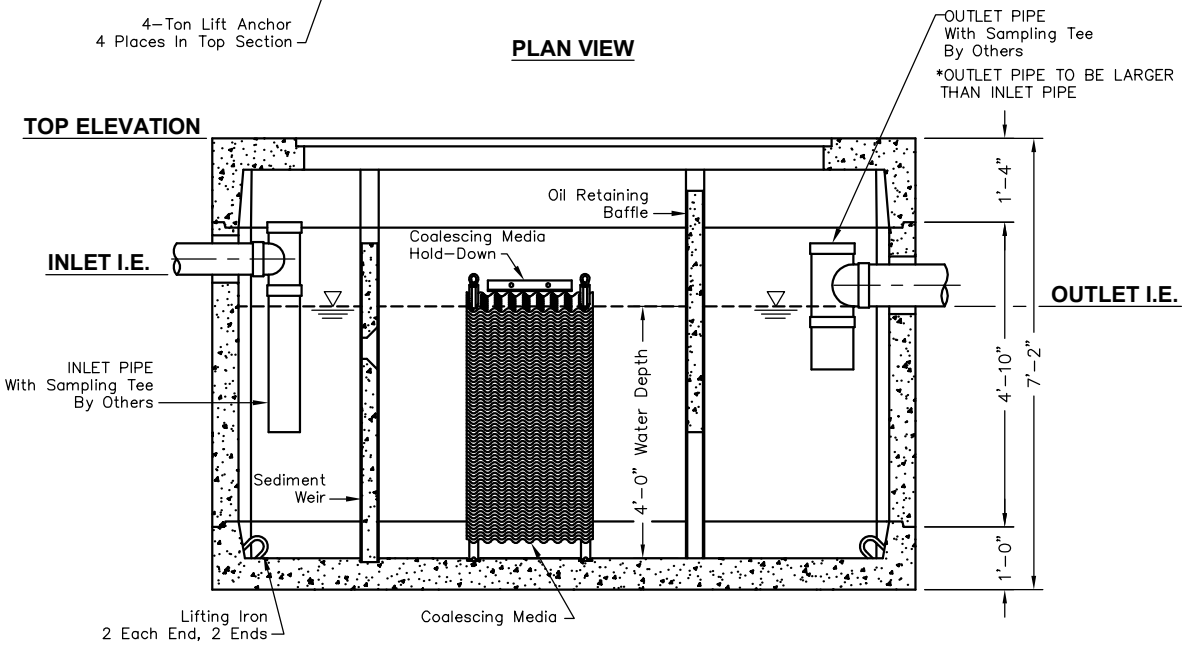
5106-CPS

Project Plate Area = 740 Sq/ft
Maximum Process Flow = 690 GPM



PLAN VIEW



SECTION AA

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
0.33 ft/min Rise Rate
Designed Per Washington State Department Of Ecology

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

SCALE: 3/8"=1'-0"