

Pryco's Sub-base Tanks are designed specifically for generator set mounting. The physical size of each depends upon the foot print of the gen set and required capacity. Sub-base Tanks are available in a **Standard** or a **U/L Listed** design. The features and characteristics of all sub-bases are listed on page SB-4

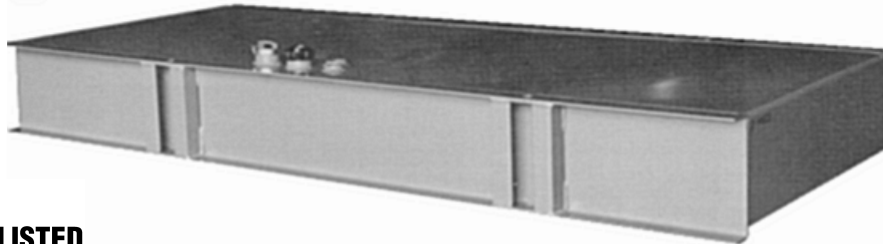
Additionally, a Standard or U/L Listed Subbase may be fitted with **Double-Wall** construction ("Secondary Containment"). **Custom** designed tanks are available to accommodate large capacity Double Wall and Rupture Basin

requirements.

All sub-base tanks comply with **NFPA 30, Flammable and Combustible Liquids Code** and **NFPA 110, Standard or Emergency and Standby Power Systems**.

When the secondary container "double wall" is added, the tank also complies with **NFPA 37 - Standard for Installation and Use of Stationary Combustible Engine and Gas Turbine**.

Consult factory for dimensions and pricing.



A Single Wall Sub-base showing heavy duty support angles that are located, along with internal structural baffles, at each mounting hole.

U/L LISTED SUB-BASE TANKS

The U/L Listing for our Sub-base Tanks is - **Label-142**. Specifically, File #**MH17469** lists the following:

- Basic Sub-base Tanks - **Generator Base Tanks**,
- Double Wall Sub-base Tanks - **Secondary Containment Generator Base Tank**, and
- Sub-base Tanks with Rupture Basin - **Open Top Diked Generator Base Tank**.

The below restrictions apply to U/L Listed tanks:

- Each U/L Listed tank has additional vents of proper size for the tank and the double wall area, if present.
- Width cannot exceed 82" and height cannot exceed 30"
- Capacity - 2000 gallons or less

GEN-SET MOUNTING

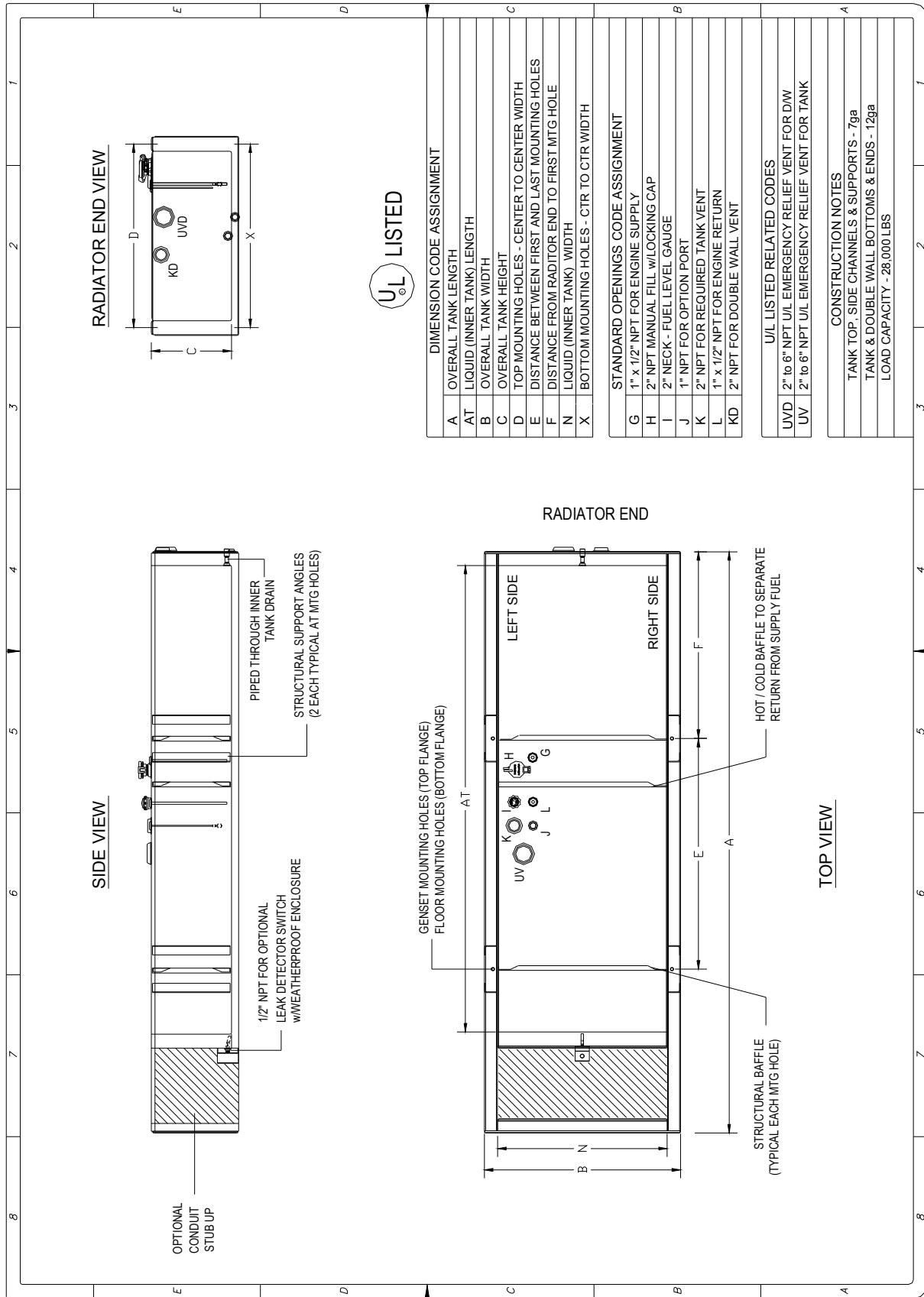
Mounting of the gen-set to the sub-base at the job site could cost considerable time and money. We'll do it for you here at the factory at a fraction of the cost. Just have your gen-set (and isolator, if any) shipped to us and tell us what you want done.

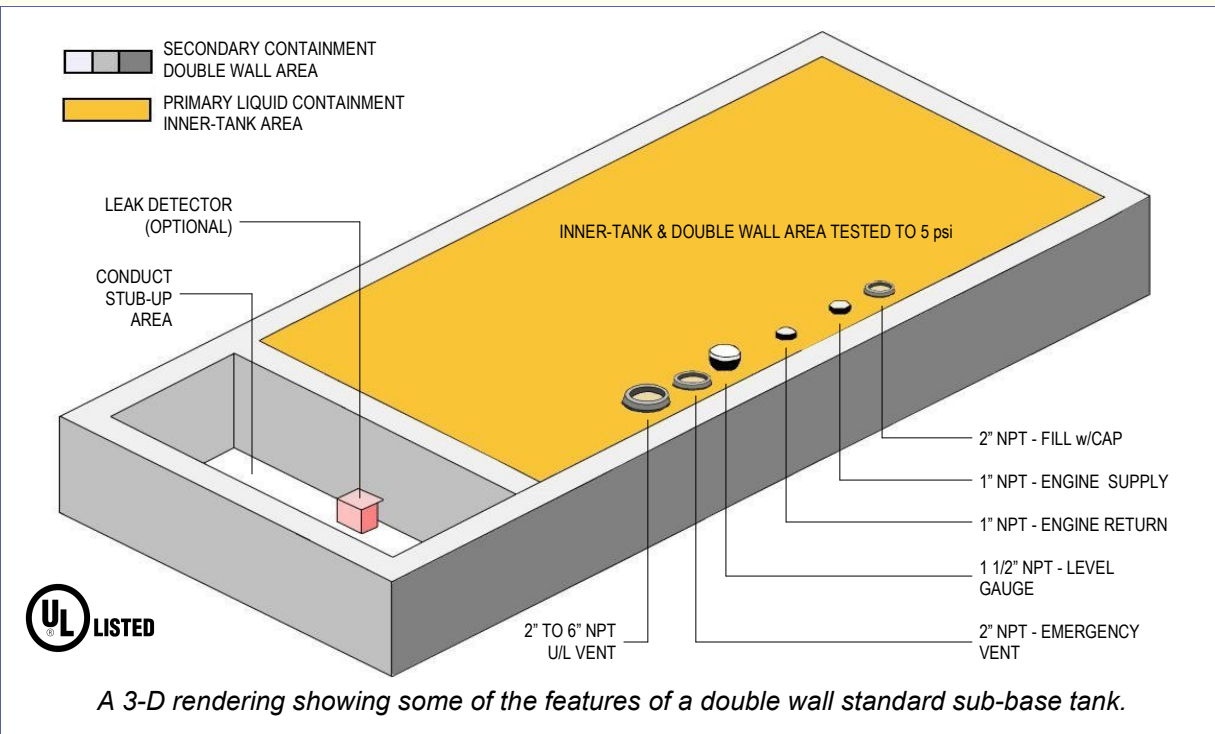
In addition to the actual bolting of the two together and connecting the fuel line, we will make other connection that you request.

When finished, we will send it on to your job site or where instructed.

Option Code	Description
503	LOW FUEL LEVEL ALARM - Separate float switch activates red light
504	HEAVY DUTY SOCKET and RELAY for Option #503 (10 amp. relay, dry contacts)
505	LOW FUEL LEVEL SWITCH - Separate float switch for remote annunciator only. (10 watts, dry contacts)
507	HIGH FUEL LEVEL ALARM - Separate float switch activates red light
508	HEAVY DUTY SOCKET and RELAY for Option #505 (10 amp. relay, dry contacts)
509	HIGH FUEL LEVEL SWITCH - Separate float switch for remote annunciator only. (10 watts, dry contacts)
509RB	LEAK DETECTOR SWITCH - Rupture Basin or Double Wall (10 watts, dry contacts)
530	2" RAISED MANUAL FILL - with lockable cap, 8" high (ship loose).
531	EXTRA FITTING through double wall (up to 2")
532	ADDITIONAL SET of GEN-SET MOUNTING HOLES (over 3 sets).
533	MOUNTING RAILS to bolt gen-set to wider tanks
534	"BOLT-ON" END for stub up (not for Custom tanks)
535	"BOLT-ON" EXPANDED METAL END for stub up (not for Custom tanks)
536 536A 536B	GENERATOR SET MOUNTING - Route your gen-set to Pryco to be mounted to your Subbase Tank, connect fuel lines and ship on to job site or your facility. up to and including a 500 kW gen-set a gen-set over 500 kW
537	ISOLATOR PADS - attached at each mounting point to receive spring isolators supplied by others.
540	ENCLOSURE – For Level Sensors (Used Primarily for Day Tank versions)
544	ENCLOSURE – For Control Panel (Used Primarily for Day Tank versions)
595	LEAK DETECTOR FOR DOUBLE WALL TANKS WITH PUMP AND MOTOR (Day Tank Version of Sub-base) - A sensor within the Double Wall containment area that upon detection of a leak will turn on a red alarm light on control panel <u>and will shut down pump motor.</u> Includes dry terminal contacts for connection of customer supplied device up to 15 amp.
595M	LEAK DETECTOR FOR DOUBLE WALL MANUAL TANKS — A sensor within the Double Wall containment area that upon detection of a leak will turn on a red alarm light on control panel. Includes dry terminal contacts for connection of customer supplied device up to 15 amp.

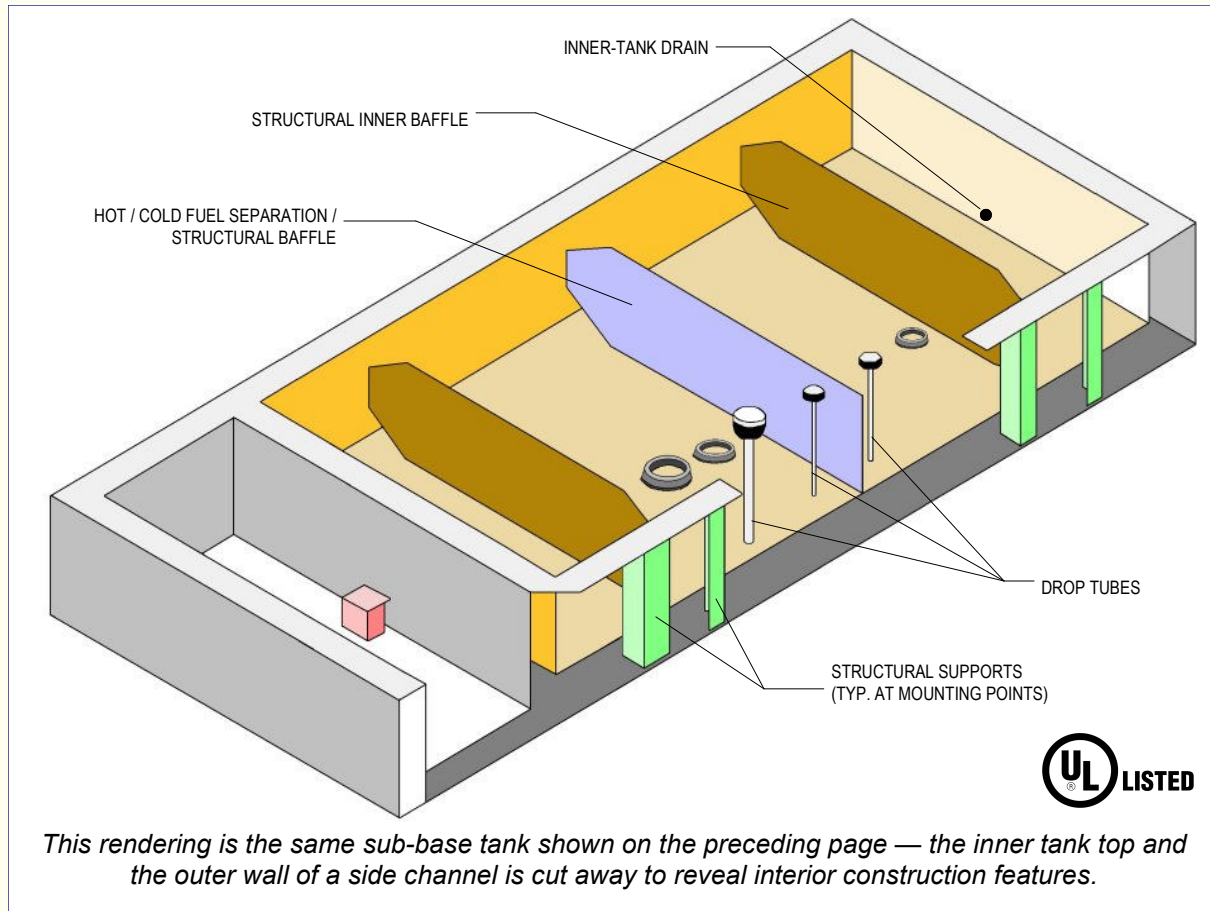
EXAMPLE OF A DOUBLE WALL SUB-BASE TANK w/ELECTRICAL STUB-UP AREA





CONSTRUCTION CHARACTERISTICS

- **Heavy Gauge Steel** - 7-gauge steel for the top and side channels. Standard 12-gauge for bottom, ends, and internal baffles; however, optionally, 7-gauge may be specified throughout. Also, stainless steel is a great solution for a corrosive environment problem.
- **Internal Structural Baffles** - located every mounting point and no more than 24 inches apart. These baffles contribute to the overall strength of the tank but allow free flow of fuel.
- **Hot/Cold Baffles** - this baffle is located between the engine-supply and the fuel return ports. Its purpose is to separate the hotter returned fuel from the cooler supply fuel thus improving engine performance.
- **Drain** - 3/8" in tanks up to 200 gallons and 1" in 200+ gallon tanks. Double wall tanks have a drain for both containment areas — the inner tank drain is "hard-plumbed" through the outer area.
- **Connections** - (1 ea.) 1½" for fuel level gauge; (2 ea.) 2" NPT for lockable fill cap and for vent; (2 ea.) ½" for engine suction and for engine return; and (1 ea.) extra 1" opening for option, etc. Note these connections are located on either or both side(s) depending upon gen-set and your specifications.
- **Welded by Certified Welders and Supervisor tested to 5psi.**
- **Finish** - Primer and choice of industrial color enamel.



ELECTRICAL CONDUIT STUB-UP AREA

Typically, an optional conduit stub-up area is located the full width of the generator end; however, it may be located anywhere within the the outer shell walls. It may be a two, three or four sided window or island. A stub-up in a double wall tank is also “double walled”.

PUMPING CAPABILITIES

When equipped with a set of pump, motor and controls, the sub-base tank takes on the duties of a day tank with most control capabilities (see the Options section). Or, consider our powerful electronic FCM (™) for precise level control, and local and remote annunciation logging of all conditions.

HOW TO ORDER

It's easy - just tell us your gen-set make and model, size in gallon capacity, and any options (shown on page SB-2) you need.

Our proprietary computer software, referring to our extensive gen-set database, determines physical footprint dimensions and other requirements of your gen-set. (Custom designs are also available.)

A priced quote and a drawing of three view of the tank is then developed and sent to you for review and/or approval.

NOTE - Mounting Rails, option #533, are required for tanks wider than normal footprint width (caused by expanding the width).