

# CARLOW CONCRETE TANKS

**DRAWING TITLE:**  
 FULL RETENTION RANGE  
 CP60FR 8000 GALLON (36.4m<sup>3</sup>)  
 NG 100 FILTER  
 GENERAL LAYOUT

**Drawn By:** T. Armstrong

**Date:** 01/12/08

**Revision:** A (17/12/09)

UNIT REF CODE	MAX FLOW RATE (l/s)	DRAINAGE AREA (m <sup>2</sup> )	NOMINAL OIL STORAGE (L)	SILT STORAGE CAPACITY (L)	INLET INVERT TO BASE (mm)	STANDARD PIPE SIZE O.D. (mm)
CP60FR	60.0	3,300	600	6,000	2,800	315 Dia

**STANDARD DESIGN LOADS:**

**LID:**

IMPOSED LOAD: 10 kN/m<sup>2</sup> UDL OR 5,850 kg WHEEL LOAD  
 DEAD LOAD: UP TO 1m OVERBURDEN

HEAVY DUTY OR CUSTOM LIDS CAN BE MANUFACTURED FOR MORE ONEROUS APPLICATIONS.

**TANK:**

IMPOSED SURCHARGE: 10 kN/m<sup>2</sup> UDL (HA LOADING EQUIVALENT TO BS 5400-2)

**NOTE:** VERY LARGE POINT LOADS SUCH AS THOSE FROM CRANE OUTRIGGERS SHOULD BE AVOIDED IN THE IMMEDIATE VICINITY OF THE TANK

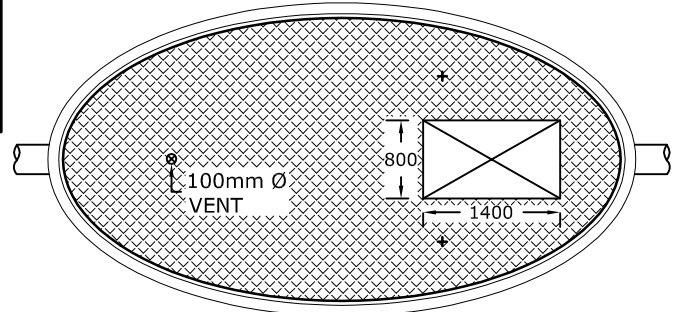
**STANDARD ACCESS OPENING SIZE:**

- 600mm x 600mm

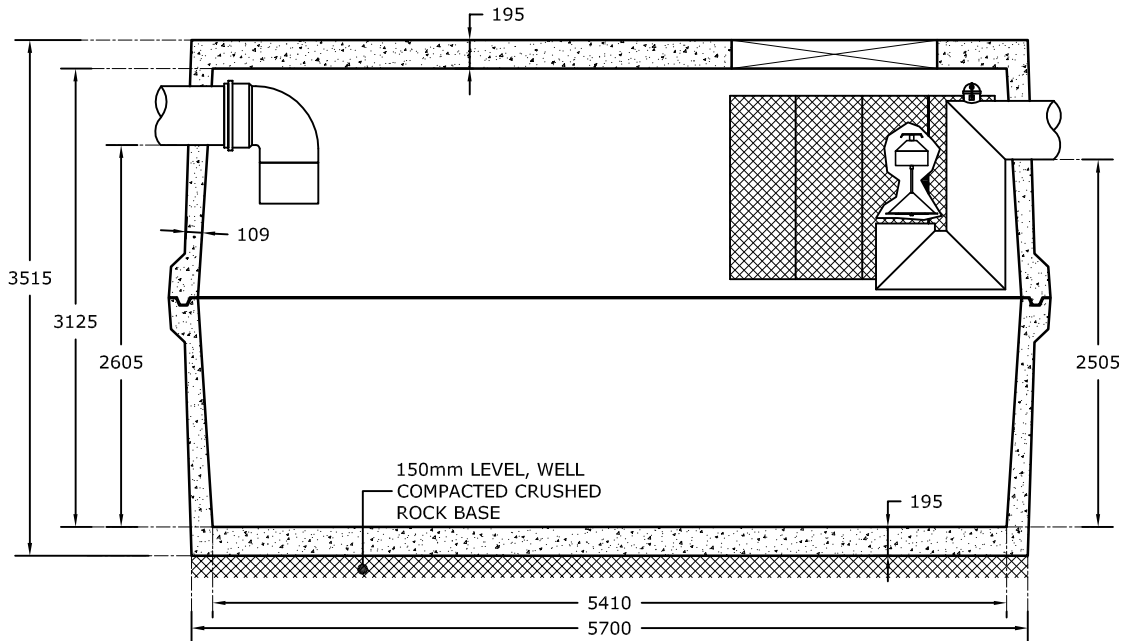
**NON STANDARD SIZES ARE AVAILABLE ON REQUEST**

**STANDARD UNIT WEIGHTS:**

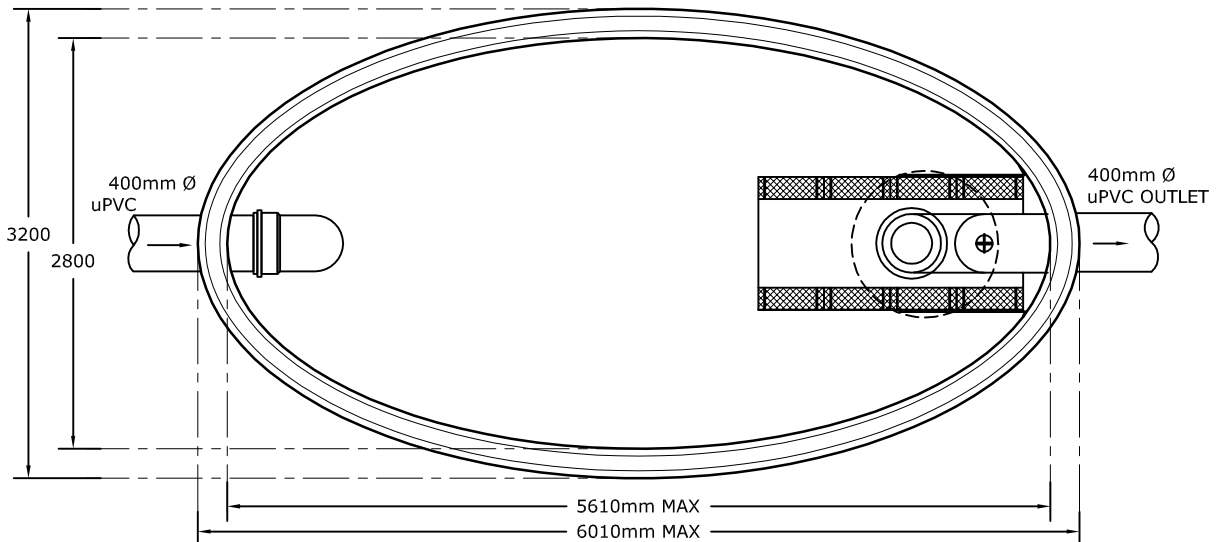
- TANK: 12.67 tonnes  
 - COVER SLAB: 12.67 tonnes



**ROOF PLAN**  
SCALE: 1:75



**LONG SECTION**  
SCALE: 1:50



**PLAN VIEW @ JOINT LEVEL**  
SCALE: 1:50