



KNELSON GRAVITY SOLUTIONS

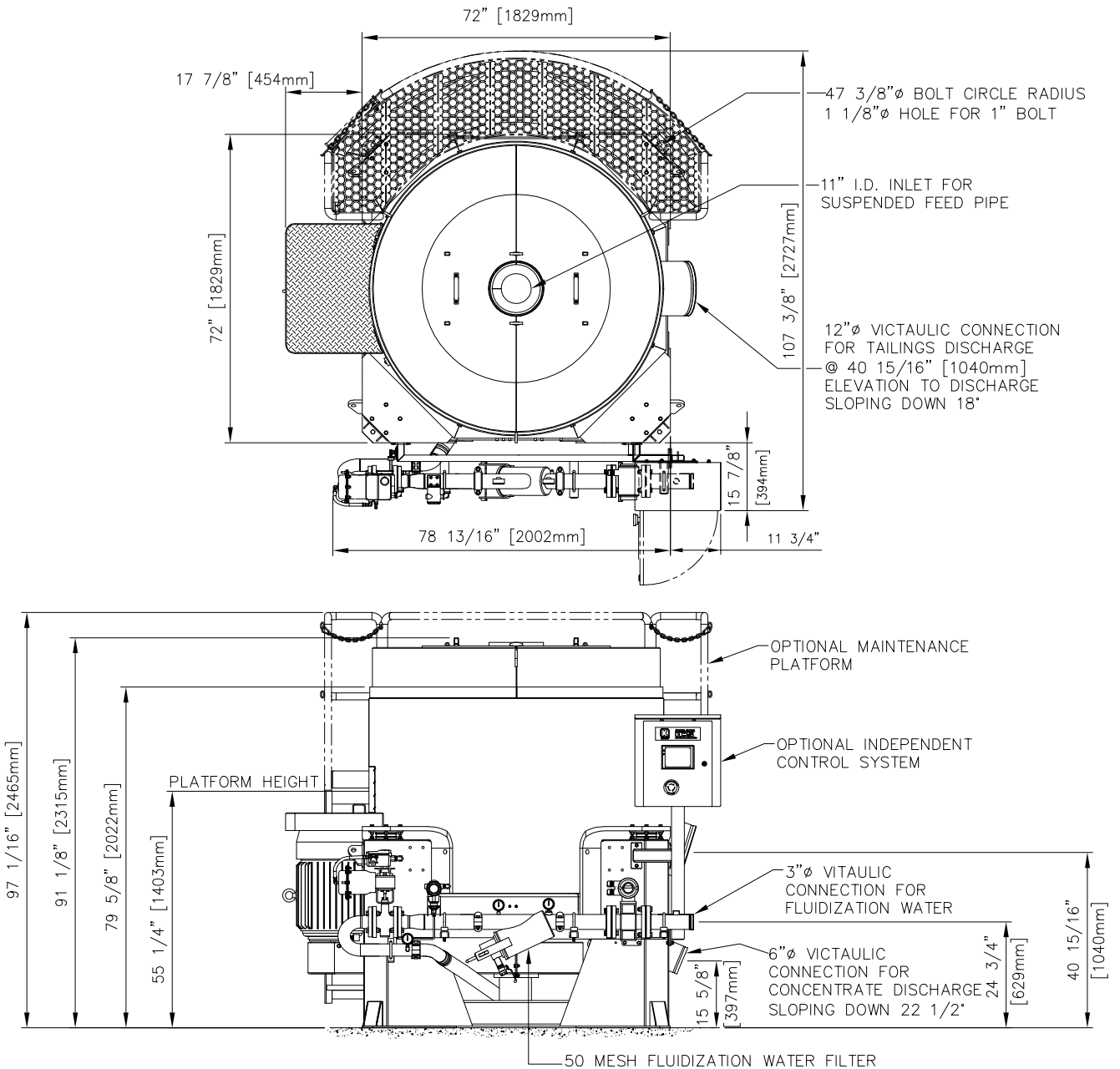
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DATE: DEC 11, 2008

DWG. No. 03937F

KNELSON CONCENTRATOR MODEL KC-XD40 SPECIFICATION SHEET

- FEED CAPACITY (MAY VARY DEPENDING ON MATERIAL) - 138 - 275 tons/hr [125-250 tonnes/hr] SOLIDS
- TYPICAL FLUIDIZATION WATER REQUIREMENT - 120 - 200 USgpm [27 - 45 m³/hr]
- MINIMUM AIRFLOW REQUIRED (AUTO PIPING ONLY) - 3ft³/min (5.1m³/hr)
- FEED DENSITY - 0 - 75% SOLIDS/WEIGHT
- MAXIMUM TOTAL VOLUMETRIC THROUGHPUT - 1500 USgpm [340 m³/hr]
- FEED SIZE - MAX: 1/4" [6mm]; RECOMMENDED: MINUS 10 MESH [1.7mm]
- TYPICAL CONCENTRATION CYCLE DURATION - HARD ROCK: 1/2 - 4 HOURS [PLACER: 4 - 12 HOURS]
- TYPICAL FLUSH CYCLE DURATION - 1 - 2 MINUTES
- CONCENTRATE VOLUME - 1000 in³ [17 L]
- CONCENTRATE WEIGHT - 85 - 125 lbs [38 - 56 kg]
- CONCENTRATOR NET WEIGHT - 9000 lbs [4100 kg] (NOT INCLUDING PIPING)
- H.P. - 40 (ELECTRIC) [30 kW] - FIXED SPEED, 60G's
- APPROXIMATE SHIPPING WEIGHT - 9700 lbs [4400 kg]
- APPROXIMATE SHIPPING WEIGHT WITH SPARES - 10000 lbs [4550 kg]
- APPROXIMATE CRATED SHIPPING DIMENSIONS - LENGTH 244cm x WIDTH 220cm x HEIGHT 280cm



NOTE:

- SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
- ALL PIPING TO CONCENTRATOR TO BE FLEXIBLE TO ALLOW FOR SLIGHT OSCILLATION OF UNIT DURING OPERATION.
- MACHINE SHOWN WITH OPTIONAL AUTOMATED PIPING, MANUAL PIPING ALSO AVAILABLE