



# KNELSON GRAVITY SOLUTIONS

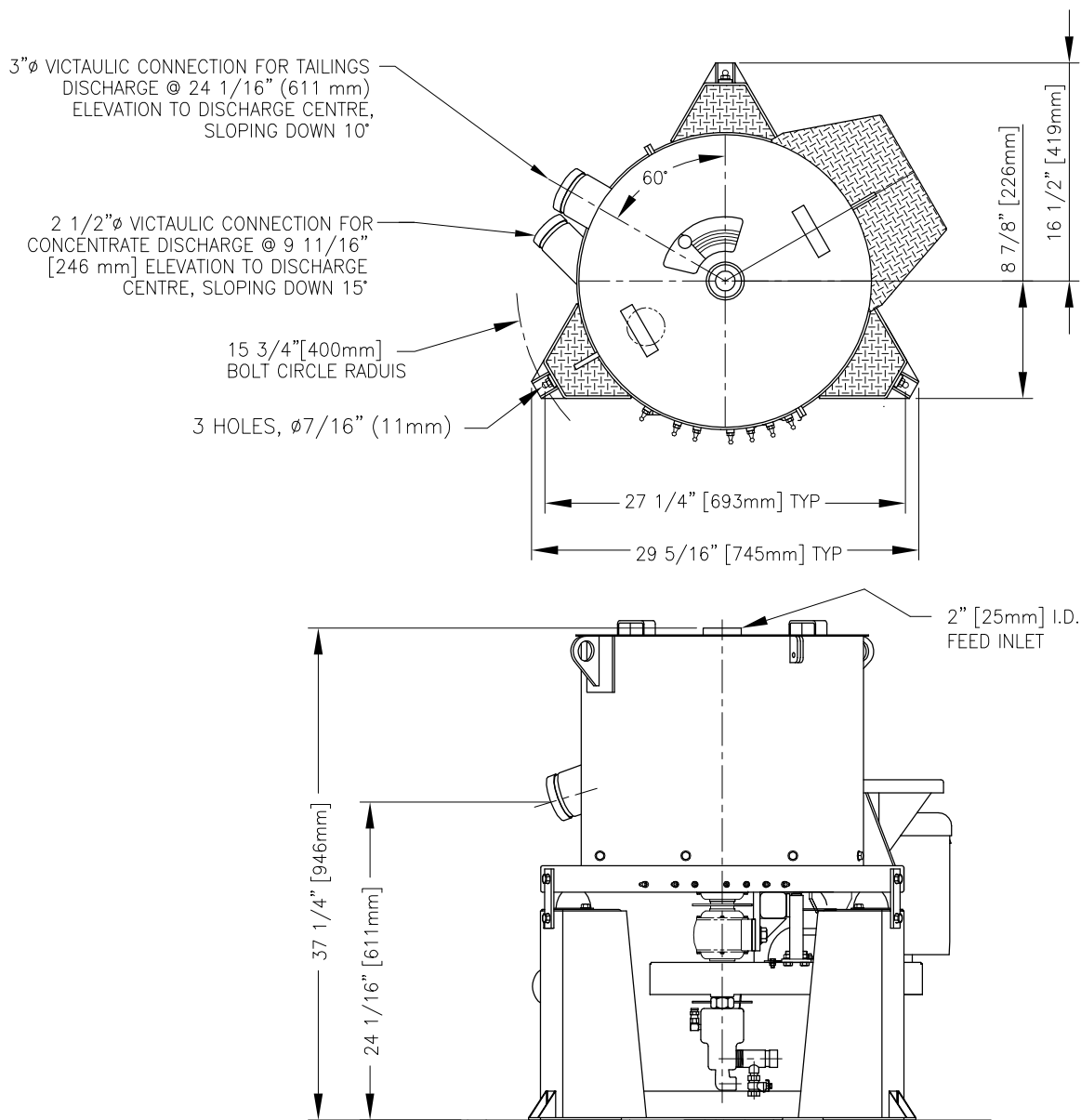
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DWG. No. A02005E

## KNELSON CONCENTRATOR MODEL KC-CVD6 (1 RING) CONTINUOUS SPECIFICATION SHEET

- FEED CAPACITY(MAY VARY DEPENDING ON MATERIAL) – 0.6 – 2.2 tons/hr [0.5 – 2.0 tonne/hr] SOLIDS
- TYPICAL FLUIDIZATION WATER REQUIREMENT – 4 – 8 USgpm [0.9 – 1.8 m<sup>3</sup>/hr]
- MINIMUM AIRFLOW REQUIRED – 3.5ft<sup>3</sup>/min (5.9m<sup>3</sup>/hr)
- FEED DENSITY – 0 – 50% SOLIDS/WEIGHT
- MAX TOTAL VOLUMETRIC THROUGHPUT – 18 USgpm [4 m<sup>3</sup>/hr]
- FEED SIZE – MAX: 1/8" [3.2mm]; RECOMMENDED: MINUS 10 MESH [1.7 mm]
- TYPICAL CONTINUOUS CONCENTRATE DISCHARGE – 1% – 50% OF FEED RATE (VARIABLE)
- OPERATING "G" FORCE – VARIABLE (30 – 90g)
- OPERATING SPEED – VARIABLE (581 – 1007 RPM)
- CONCENTRATOR NET WEIGHT – 510 Lbs [230 Kgs.]
- H.P. – 1.5 (ELECTRIC)
- APPROXIMATE SHIPPING WEIGHT – 600 lbs [272 kg]
- APPROXIMATE CRATED SHIPPING DIMENSIONS – LENGTH 92cm x WIDTH 92cm x HEIGHT 97cm



**NOTE:**

- SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
- ALL PIPING TO CONCENTRATOR TO BE FLEXIBLE TO ALLOW FOR SLIGHT OSCILLATION OF UNIT DURING OPERATION.
- AUTOMATED PIPING AND CONTROL PANEL ARE REMOTE MOUNTED (NOT SHOWN).