



KNELSON GRAVITY SOLUTIONS

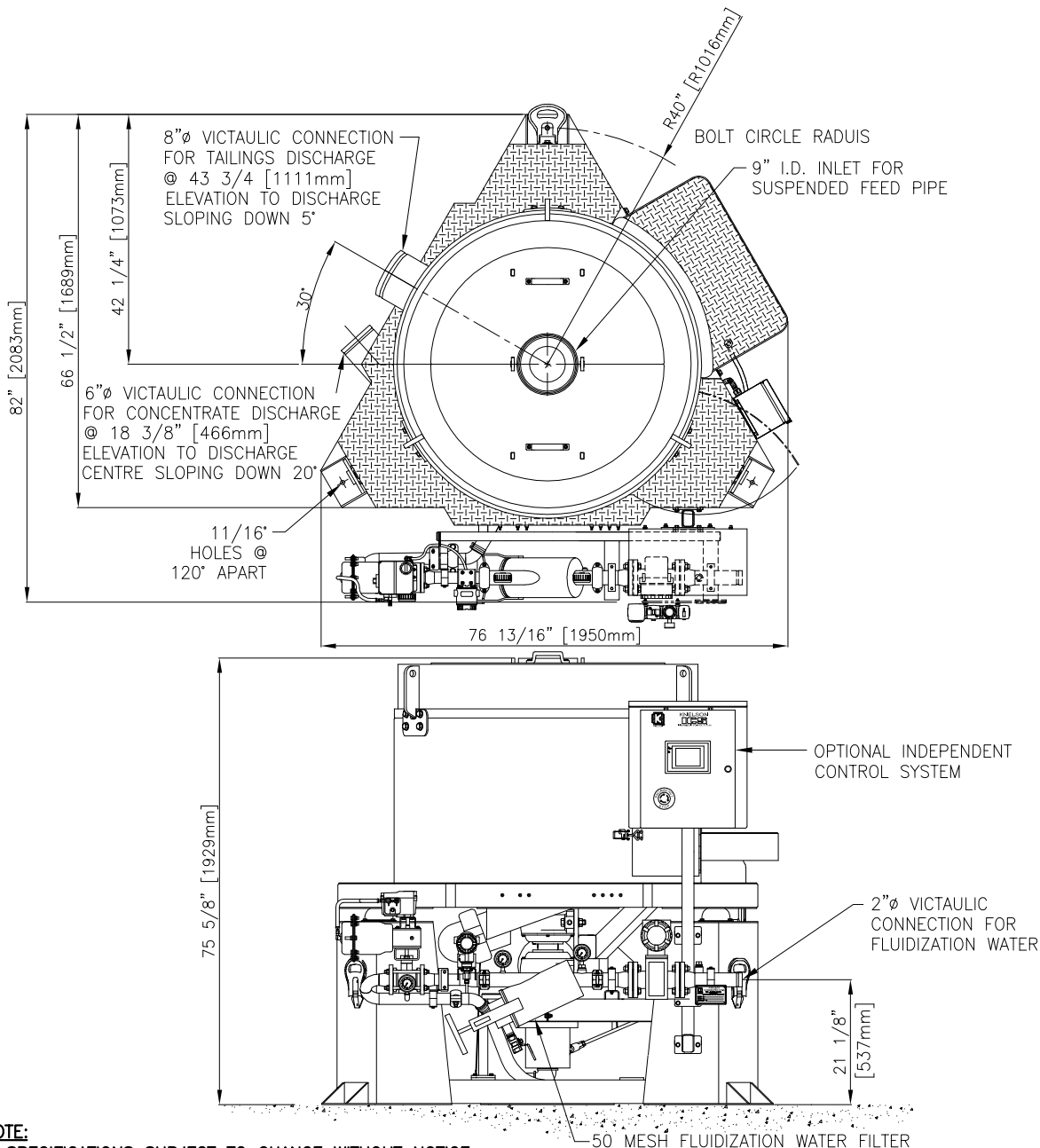
(A division of Knelson, a corporate partnership)
 19855-98 Avenue, Langley B.C. Canada, V1M 2X5
 Phone: (604)888-4015, Fax: (604)888-4013
 www.knelsongravitysolutions.com, e-Mail: knelson@knelson.com

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DWG. No. A01501G3

KNELSON CONCENTRATOR MODEL KC-CD30MS SPECIFICATION SHEET

FEED CAPACITY (MAY VARY DEPENDING ON MATERIAL)	- 55 - 110 tons/hr [50-100 tonnes/hr] SOLIDS
TYPICAL FLUIDIZATION WATER REQUIREMENT	- 75 - 110 USgpm [17 - 25 m ³ /hr]
MINIMUM AIRFLOW REQUIRED (AUTO PIPING ONLY)	- 3ft ³ /min (5.1m ³ /hr)
FEED DENSITY	- 0 - 75% SOLIDS/WEIGHT
MAXIMUM TOTAL VOLUMETRIC THROUGHPUT	- 600 USgpm [135 m ³ /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	- SEE TABLE BELOW
CONCENTRATE WEIGHT	- SEE TABLE BELOW
CONCENTRATOR NET WEIGHT	- 3500 lbs [1590 kg]
H.P.	- 15 (ELECTRIC) [11 kW]
APPROXIMATE SHIPPING WEIGHT	- 4250 lbs [1931 kg]
APPROXIMATE SHIPPING WEIGHT WITH SPARES	- 4550 lbs [2068 kg]
APPROXIMATE CRATED SHIPPING DIMENSIONS	- LENGTH 211cm x WIDTH 216cm x HEIGHT 211cm



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