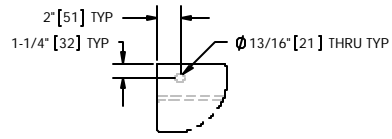
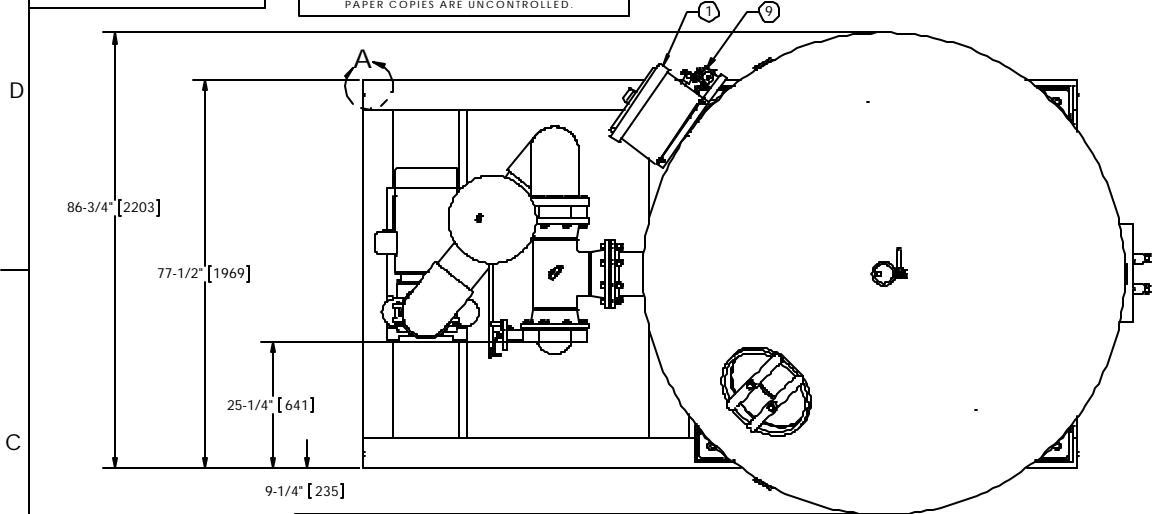


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THIS DRAWING HAS BEEN GENERATED AND IS MAINTAINED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY AN APPROVED ENGINEERING CHANGE ORDER (ECO). PAPER COPIES ARE UNCONTROLLED.

| REVISIONS | | | | |
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| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
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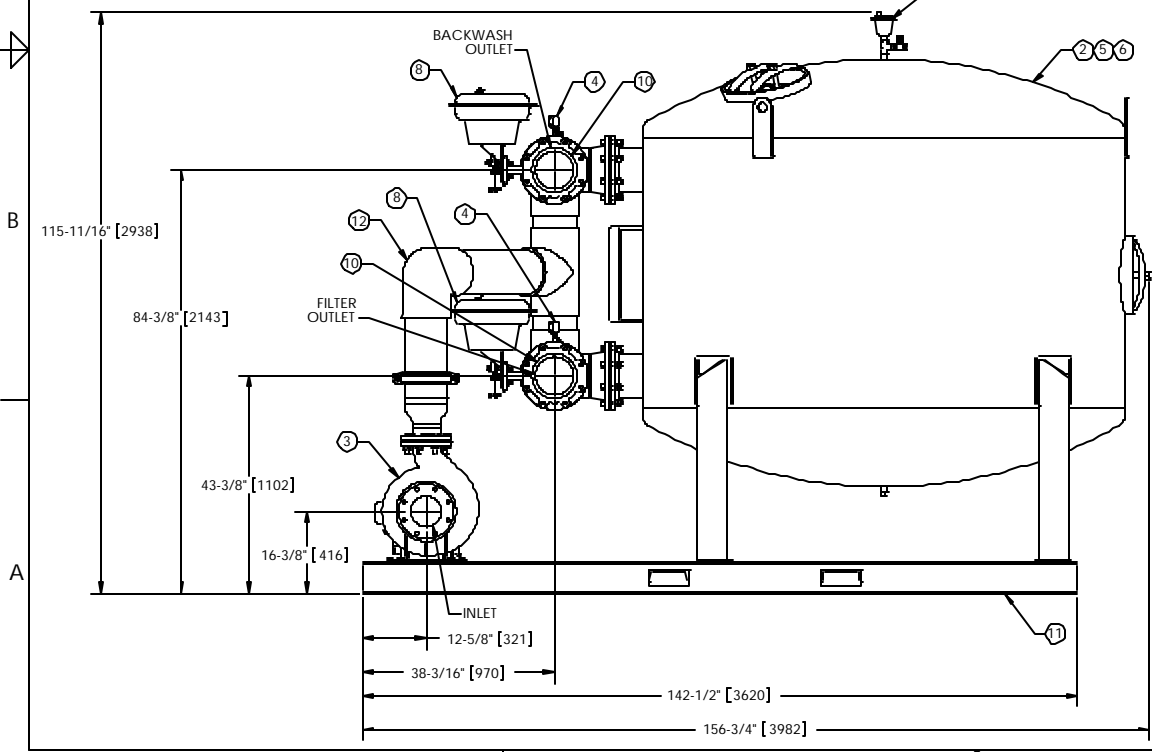
DETAIL A
SCALE 1:8

NOTES:

1. INLET IS 6" PIPE (ANSI FLANGE).
2. OUTLET IS 8" PIPE (150# ANSI FLANGE).
3. BACKWASH IS 8" PIPE (150# ANSI FLANGE).
4. MAXIMUM PRESSURE 50psi (3.4 bar).
5. MAXIMUM OPERATING TEMPERATURE: 100°F (37.8°C).
6. SPECIFIED FLOWRATE OF 1006 gpm (228 m³/hr).
7. SPECIFIED BACKWASH FLOWRATE OF 754 gpm (171 m³/hr).
8. FINISH: AS ASSEMBLED.
9. POWER REQUIREMENT: 460V, 3PH, 60HZ.
10. UL LISTED NEMA 4X MOTOR STARTER ENCLOSURE WITH SAFETY DISCONNECT, H.O.A. SWITCH, 24 HR BACKWASH TIMER, AND BACKWASH CYCLE TIMER.
11. APPROXIMATE DRY WEIGHT (NOT INCLUDING GRAVEL/SAND): 6034 lbs (2737 kg).
12. MINIMUM PIPE SIZE TO CTS SYSTEM IS 8" PIPE.
13. FLOODED SUCTION REQUIRED.

COMPONENT LIST:

- 1 ELECTRICAL CONTROL BOX 460V 60HZ W/120V TRANSFORMER.
- 2 MEDIA TANK: 96" CARBON STEEL.
- 3 PUMP: 20 HP CENTRIFUGAL, 1750 rpm, TEFC, 460V, 60HZ, CAST IRON.
- 4 INLET/OUTLET PRESSURE GAUGES: 0-100 psi, GLYCERIN-FILLED.
- 5 MEDIA: 10 MICRON AT 95% EFFICIENCY - STANDARD
5 MICRON AT 90% EFFICIENCY - OPTIONAL
- 6 UNDERDRAIN: S/80 PVC HEADER, S/40 SLOTTED PVC PIPE.
- 7 AIR RELIEF VALVE: 3/4" CAST IRON AUTOVENT W/MANUAL VALVE.
- 8 PNEUMATIC ACTUATOR: CAST IRON BODY, NEOPRENE DIAPHRAGM.
REQUIRED AIR PRESSURE FOR OPERATION: 15 psi (1.0 bar).
- 9 AIR REGULATOR & FILTER: 22 scfm (33 m³/hr) MAXIMUM AIRFLOW.
- 10 BUTTERFLY VALVE: CAST IRON BODY, EPDM SEATS.
- 11 CARBON STEEL SKID.
- 12 CARBON STEEL MANIFOLD PIPING.



SUBMITTAL DRAWING

This drawing is submitted for spatial consideration only. Do not pre-plumb to these dimensions.

| | | | | | | | |
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| <small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN: INCHES (mm) TOLERANCES ARE:</small> <small>FRACTIONS DECIMALS ANGLES</small> <small>± .1" .005" ± .01" ± .1°</small> <small> .001" ± .005" ± .1°</small> <small> .005" ± .005" ± .1°</small> | ENGINEERED FOR: | | STANDARD | | LAKOS CLAUDE LAVAL CORP. 12590, CALIFORNIA 91727 WWW.LAKOS.COM | | LAKOS UNDERGROUND SURVEYS |
| | APPROVALS | | DATE | | | | |
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| | TITLE | | TITLE | | | | |
| DO NOT SCALE DRAWING | JBI | 12/19/07 | CTS-96-1006-A-S, CS MEDIA SYSTEM, SYSTEM BW, AUTO, 3/60/460V | | MATERIAL | | PER LAKOS SPEC |
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