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**NOTES:**

1. INLET IS 8" PIPE (150# ANSI FLANGED).
2. OUTLET IS 6" PIPE (GROOVED).
3. PURGE OUTLET IS 1-1/2" PIPE.
4. MAXIMUM PRESSURE: 100 psi (6.9 bar).
5. MAXIMUM TEMPERATURE: 100°F (37.8°C).
6. SPECIFIED FLOWRATE OF 1100 gpm (250 m<sup>3</sup>/hr).
7. FINISH: AS ASSEMBLED.
8. POWER REQUIREMENT: 460V, 3PH, 60Hz.
9. NEMA 4X MOTOR STARTER ENCLOSURE WITH SAFETY DISCONNECT AND H.O.A. SWITCH.
10. APPROXIMATE DRY WEIGHT: 2083 lbs (945 kg).
11. INLET/OUTLET VALVE KIT, MODEL TCV-1100-PLUS RECOMMENDED.
12. MINIMUM PIPE TO SP SYSTEM IS 10" PIPE.
13. FLOODED SUCTION REQUIRED.

**COMPONENT LIST:**

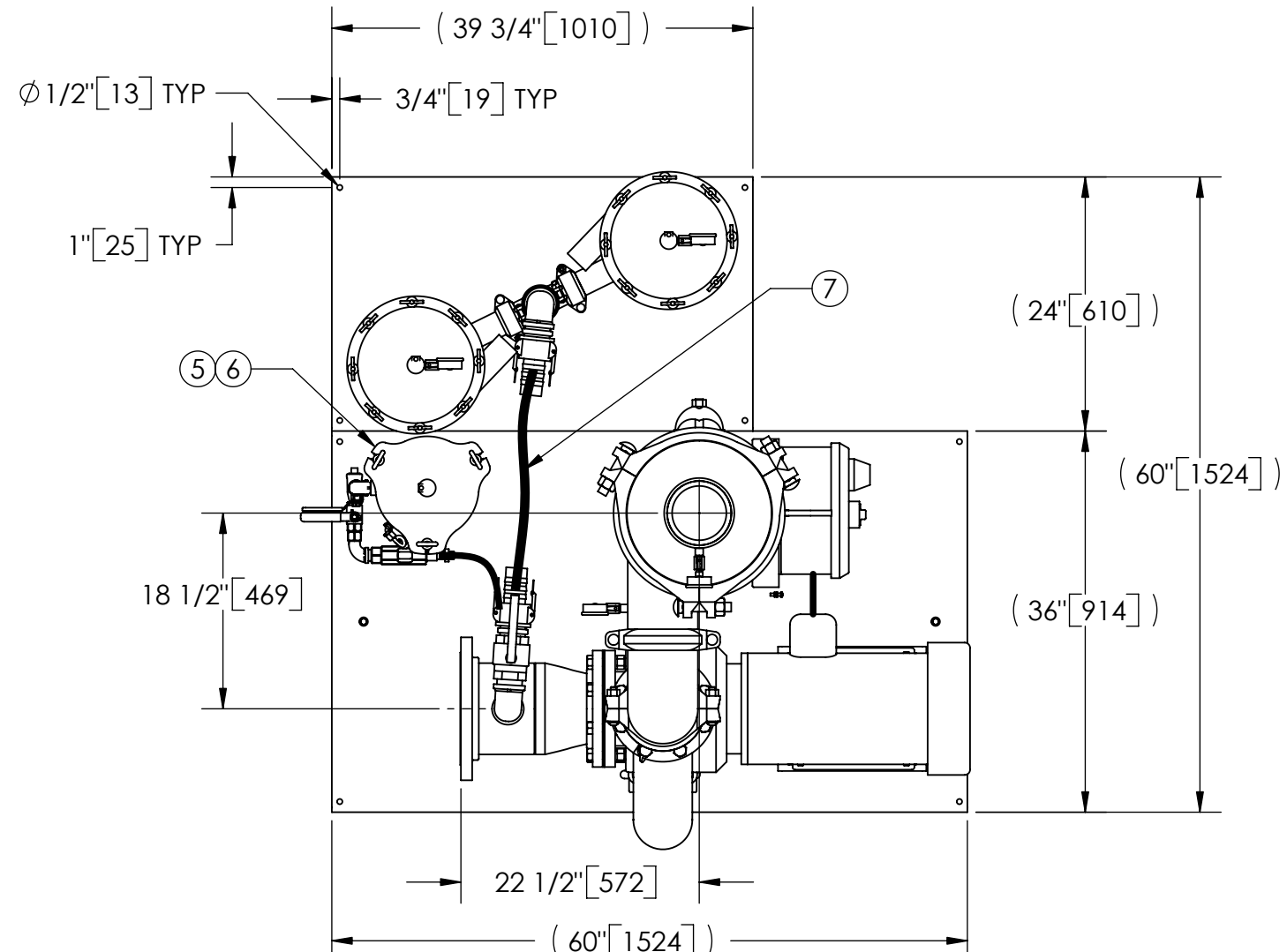
- ① ELECTRICAL CONTROL BOX 460V 60Hz W/120V TRANSFORMER.
- ② SEPARATOR: HTX-0500-TC.
- ③ PUMP: 20 HP CENTRIFUGAL, 1750 rpm, 460V, 60Hz.
- ④ INLET/OUTLET PRESSURE GAUGES: 0-100 psi, GLYCERIN-FILLED.
- ⑤ PURGE EQUIPMENT: SRV-816.
- ⑥ DIFFERENTIAL PRESSURE INDICATOR: (AVAILABLE WITH DRY DRY CONTACT-MODEL DHE-15-S. ORDER SEPARATELY).
- ⑦ HOSE ATTACHED IN FIELD WITH QUICK DISCONNECT COUPLINGS.
- ⑧ 316SS, .35 MICRON FILTER @ 100 gpm (22.7 m<sup>3</sup>/hr).

| REVISION HISTORY |     |             |      |          |
|------------------|-----|-------------|------|----------|
| ZONE             | REV | DESCRIPTION | DATE | APPROVED |
|                  |     |             |      |          |

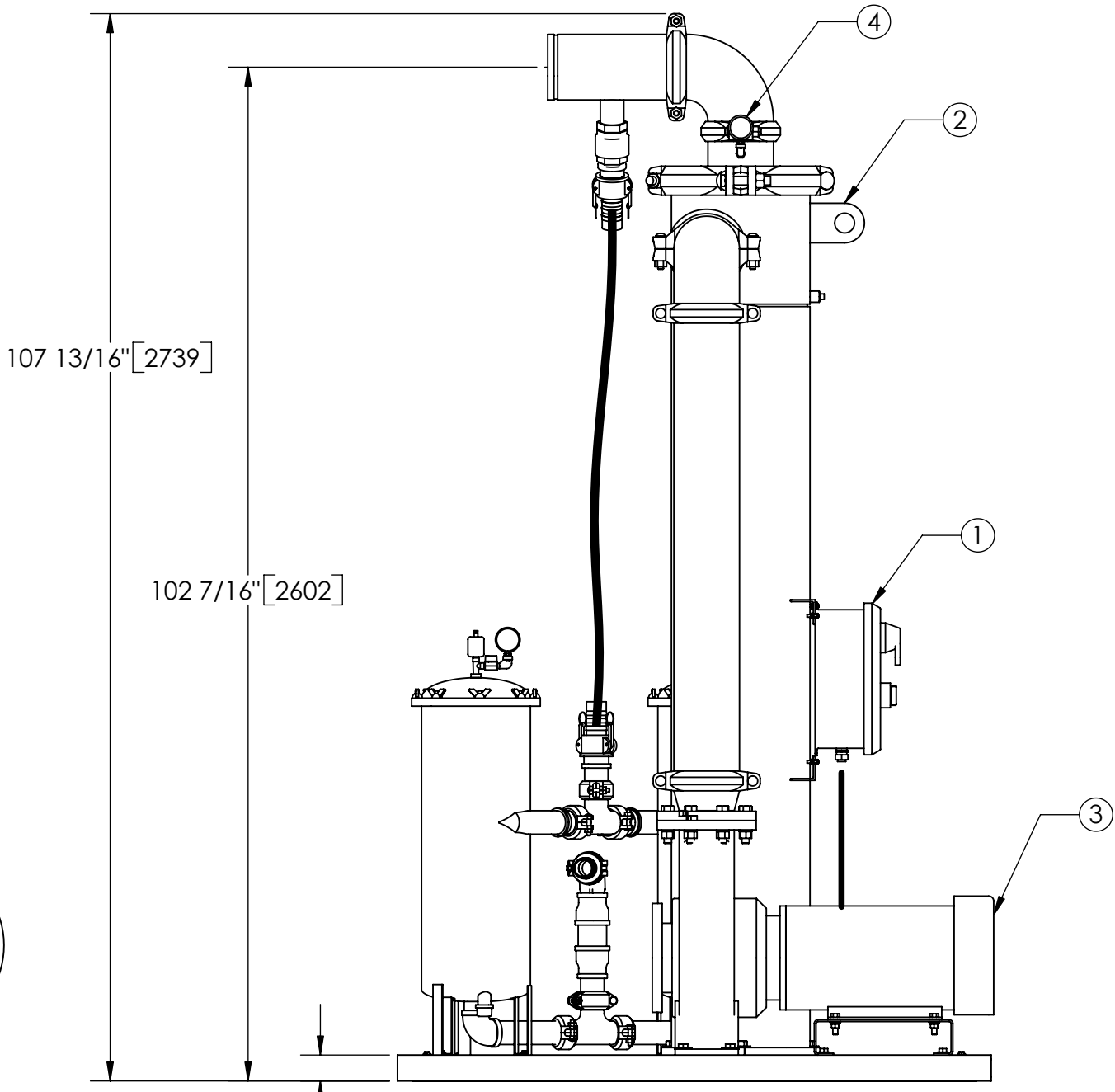
THIS DRAWING HAS BEEN GENERATED AND IS MAINTAINED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY AN APPROVED ENGINEERING CHANGE ORDER (ECO). PAPER COPIES ARE UNCONTROLLED.

**SUBMITTAL DRAWING**

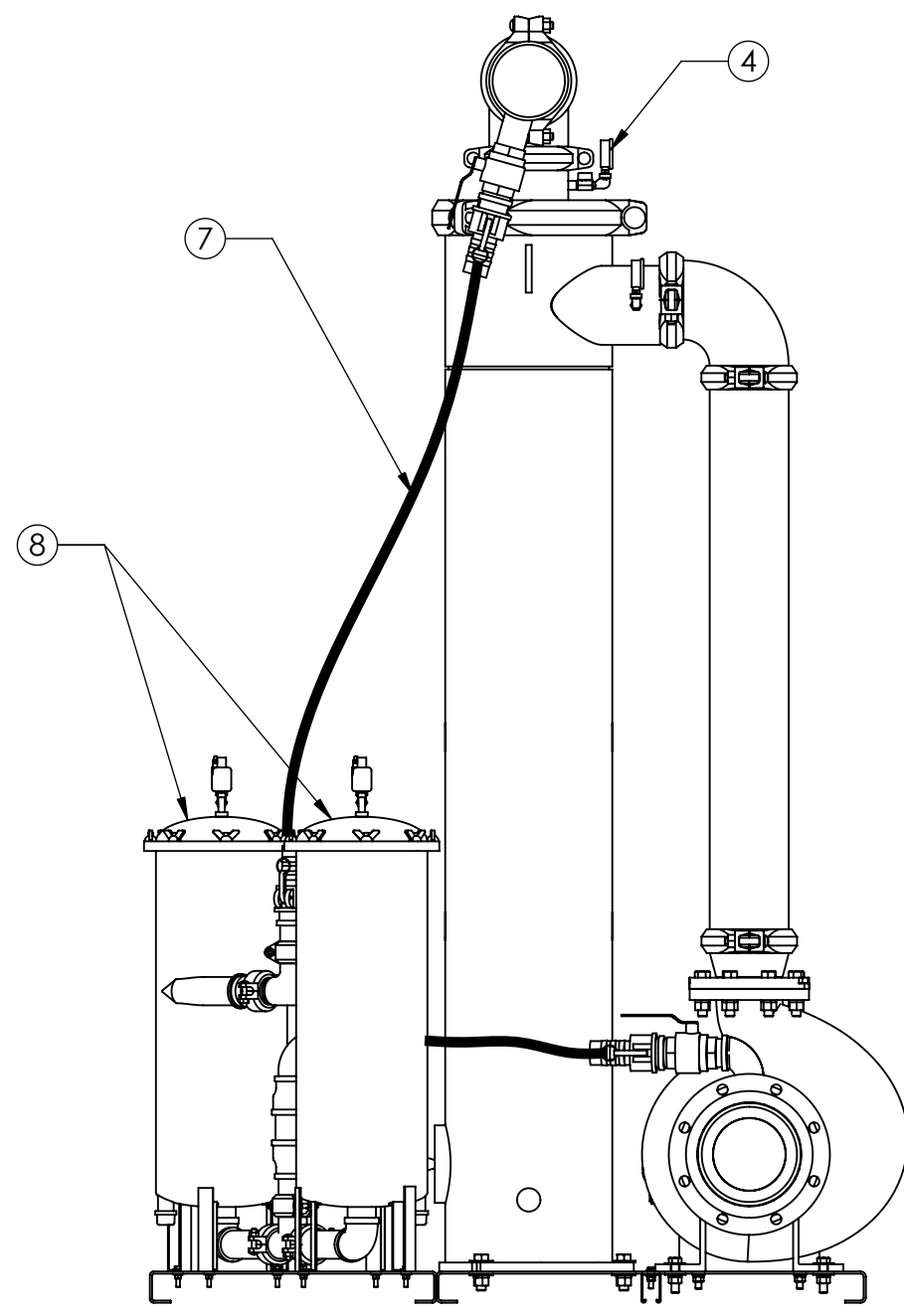
This drawing is submitted for spatial consideration only. Do not pre-plumb to these dimensions.



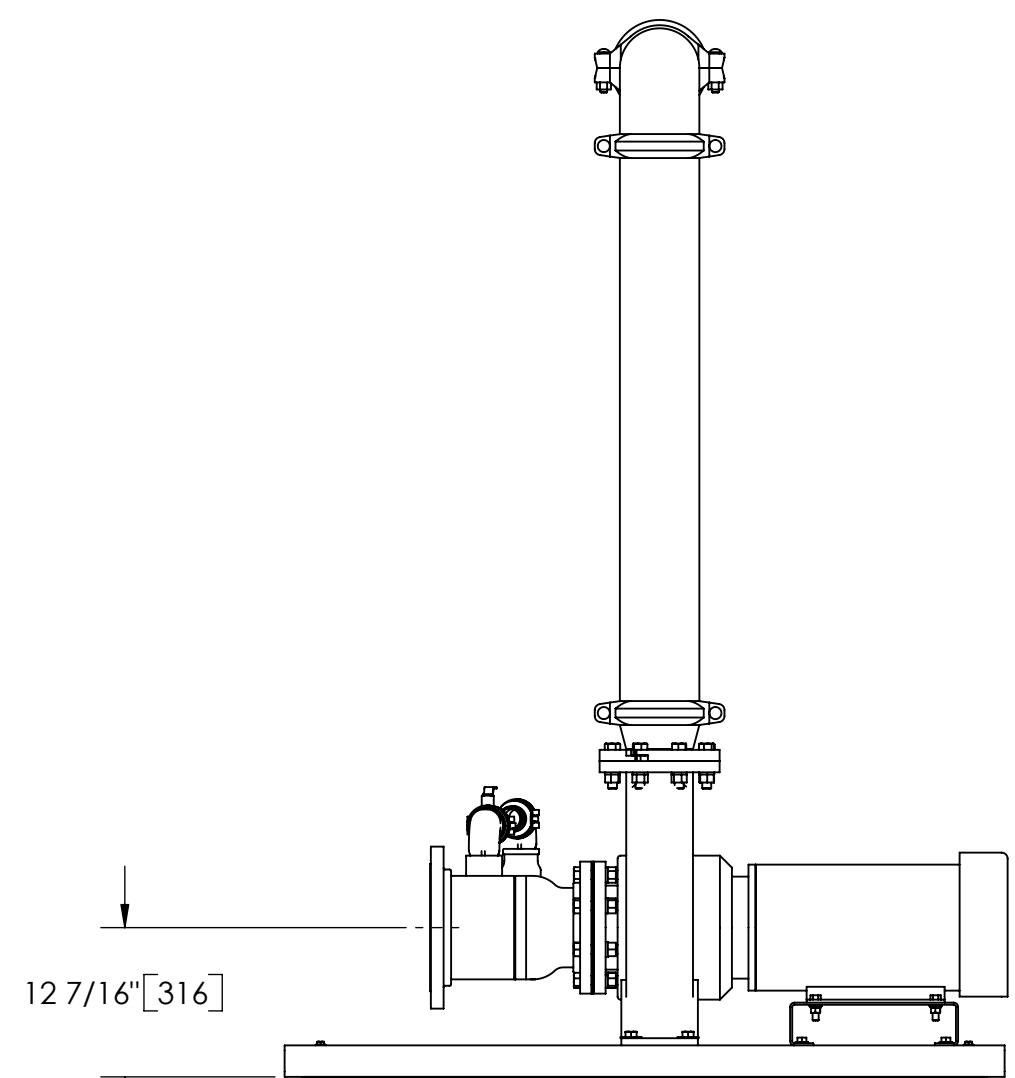
**TOP VIEW**



**FRONT VIEW W/O SPOOL/SRV**



**SIDE VIEW W/O SRV**



**FRONT VIEW PUMP/SPOOL**

|  |  |                                    |         |   |           |                           |        |
|--|--|------------------------------------|---------|---|-----------|---------------------------|--------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN: INCHES [mm]<br>TOLERANCES ARE:<br>FRACTIONS DECIMALS ANGLES<br>± 1/2" .XX ± .01 ± 1/4"<br>XXX ± .005<br>XXXX ± .0005 |  | ENGINEERED FOR:<br><b>STANDARD</b> |         | CLAUDE LAVAL CORP.<br>FRESNO, CALIFORNIA 93727<br>WWW.LAKOS.COM             |           | LAVAL UNDERGROUND SURVEYS |        |
| DO NOT SCALE DRAWING   |  | APPROVALS                          | DATE    | TITLE   |           |                           |        |
| MATERIAL   |  | DRAWN                              | 12/3/04 | SPX-1100-SRV, TBX SYSTEM .35 MICRON,<br>SIDESTREAM HTX-0500, 460V 60HZ PLUS |           |                           |        |
| FINISH   |  | ENGR                               | -       | SIZE  | MODEL NO. | DWG NO.                   | REV.   |
| AS ASSEMBLED   |  | MFG                                | -       | C   | -         | 123478                    | -      |
| SCALE  |  | WORK ORDER                         | QTY.    | SCALE   | EST. WT.  | SHEET                     | 1 OF 1 |
| 1:16   |  |                                    |         | 1:16  | 2083 lb   | 1                         | 1      |

DWG. NO. 123478 SHEET 1 REV. -