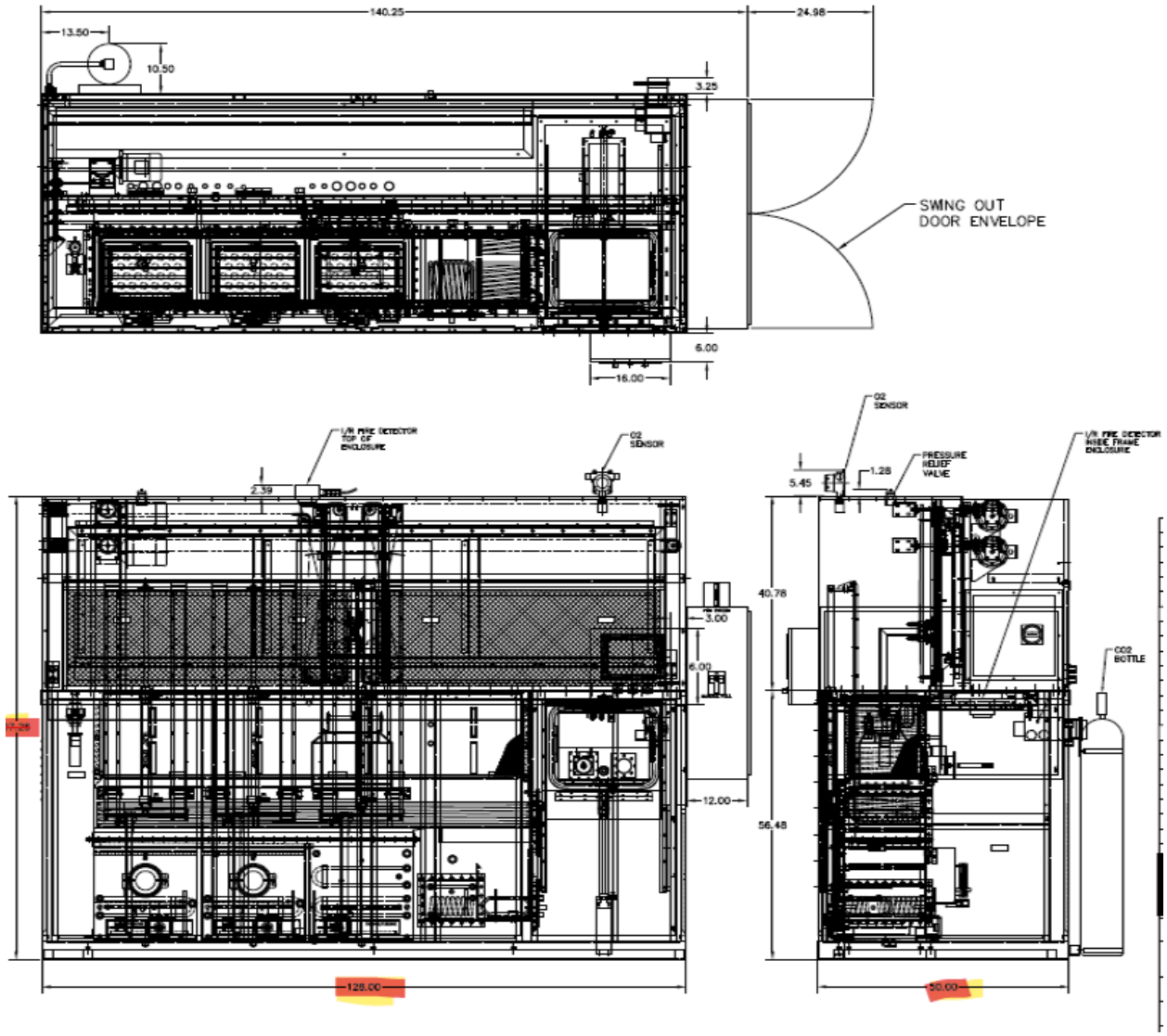
The proposed system is a customized version of Forward's SA-Series cleaning system. The SA-Series equipment platform has been designed to safely and economically employ a wide range of solvents, including both engineered solvents (n-PB HFC, HCFC, and HFE chemistries) and low flashpoint solvents such as isopropyl alcohol (IPA), acetone, and cyclohexane, as well as blends of these chemistries.

A second NMP wash sump with Crest Dual Frequency ultrasonics, 132 kHz 1000W is included. Sump is heated up to 170 degrees F and is filtered.

A second boiling concentrator along with upgraded hot water heating system is being offered as an optional item to increase the reflux rate of acetone and to keep the acetone immersion sump cleaner.

A third setdown position has been added to Forward's standard design to act as an independent super heated drying position. This modification will greatly improve the system throughput.

SA-Series Co-Solvent Capable System W/ Superheat Drying Setdown	**2/181212S**
Maximum basket size	16" x 10" x 10"
System Features: o Offset drying set down o RS View and RS Link included (software and PC Forward) o Low Flashpoint Solvent Package o Bottom mounted ultrasonics (both tanks, 1000 watts per tank) o Dual filtered recirculation (3/4 H.P. 5 and 0.2 micron, both tanks) W/ submerged agitation manifolds 10" housings. Designed to support 20" filter o Filtered distillate acetone spray over rinse tank o Boiling concentrator with access door on front side o Integral fill and drain for each solvent sump o One additional NMP wash sump Dual Frequency 58/132 o Each sump individually heated o Distillate tank located on same side of boil sump o Additional Boiling Concentrator with access door on front side to increase acetone reflux	
Robot Arm increase load from 25kg (max)	**Inclusive**



22	1			V0591E01	ASSY, TOP ELECTRICAL
21	1			2146610	WELDMENT, DRYING STATION SETDOWN
20	1			V0487P06	ASSY, FILL AND DRAIN PLUMBING
19	1			V0416H01	ASSY, 02 SENSOR SA-SERIES
18	1			V0581P05	ASSY, WTR CLD REFRIG
17	1			V0487P09	ASSY, CO2 FIRE SUPPRESSION
16	1			V0416I10	ASSY, NITROGEN PURGE
15	3			2132951	ASSY, LOAD/UNLOAD SETDOWNS
14	1			2146605	ASSY, WATER SEPARTOR W/SIEVE
13	1			V0487P05	ASSY, RETURN TO RINSE
12	1			2146603	ASSY, CASCADE PLUMBING
11	1			V0581P06	ASSY, SERIES FILTRATION WASH TANK 1
10	1			V0581P08	ASSY, SERIES FILTRATION RINSE TANK
9	1			V0581P10	ASSY, HOT/CHILLED WATER 24KW
8	1			2149055	ASSY, TRANSPORT SLIDER 5 STATION
7	1			2146718	ASSY, IN-TANK LIFT
6	1			2146600	ASSY, UPPER REAR PANELS SA-2004
5	1			V0416F01	ASSY, COUNTERTOP & PANELS SA-2004
4	1			2146596	ASSY, UPPER ENCLOSURE SA-2004
3	1			V0487G01	ASSY, LOADLOCK SA-2004
2	1			V0581P07	ASSY, SERIES FILTRATION WASH TANK 2
1	1			V0581T01	ASSY, TANK S/A SERIES W/DRYER