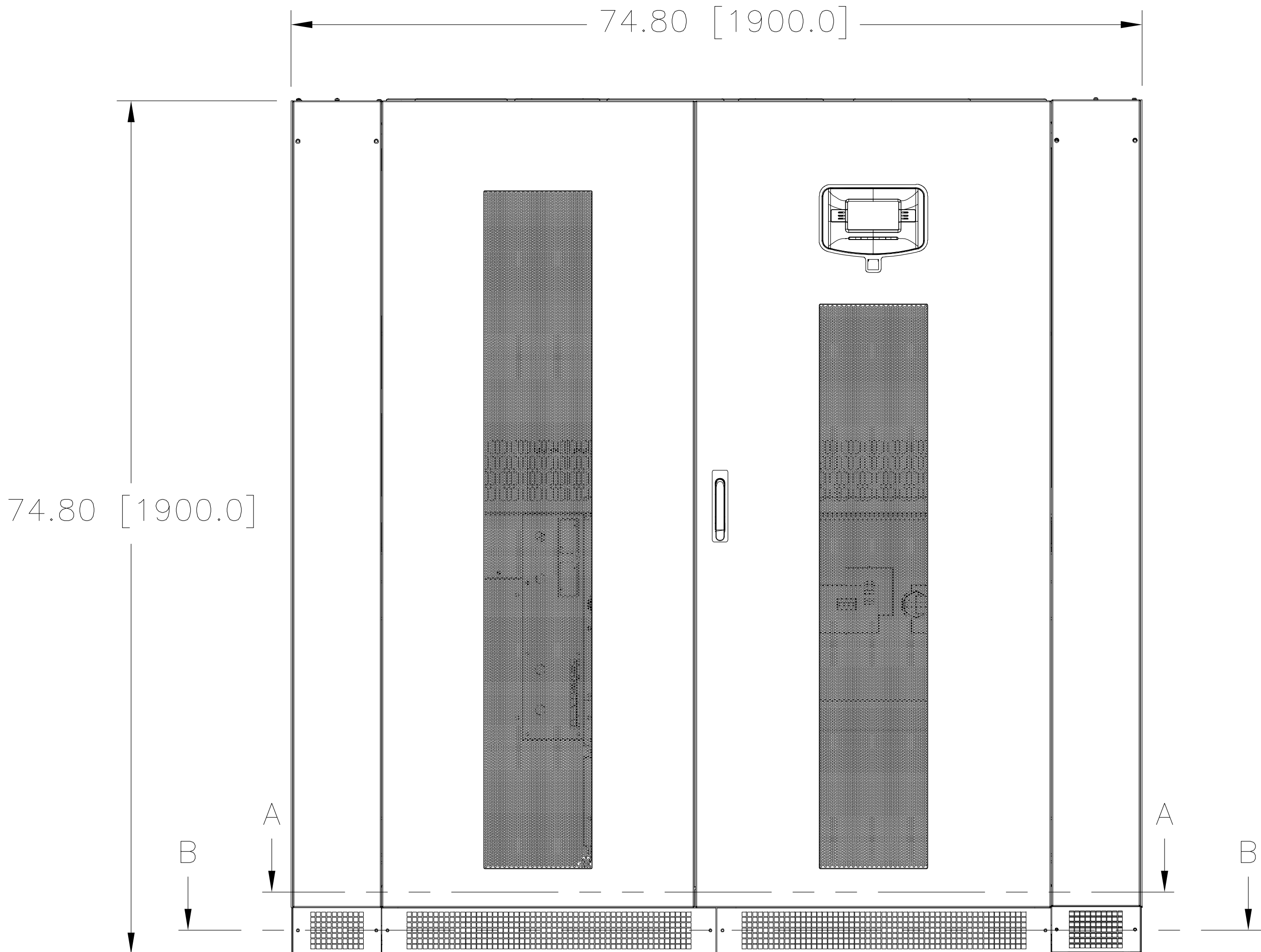
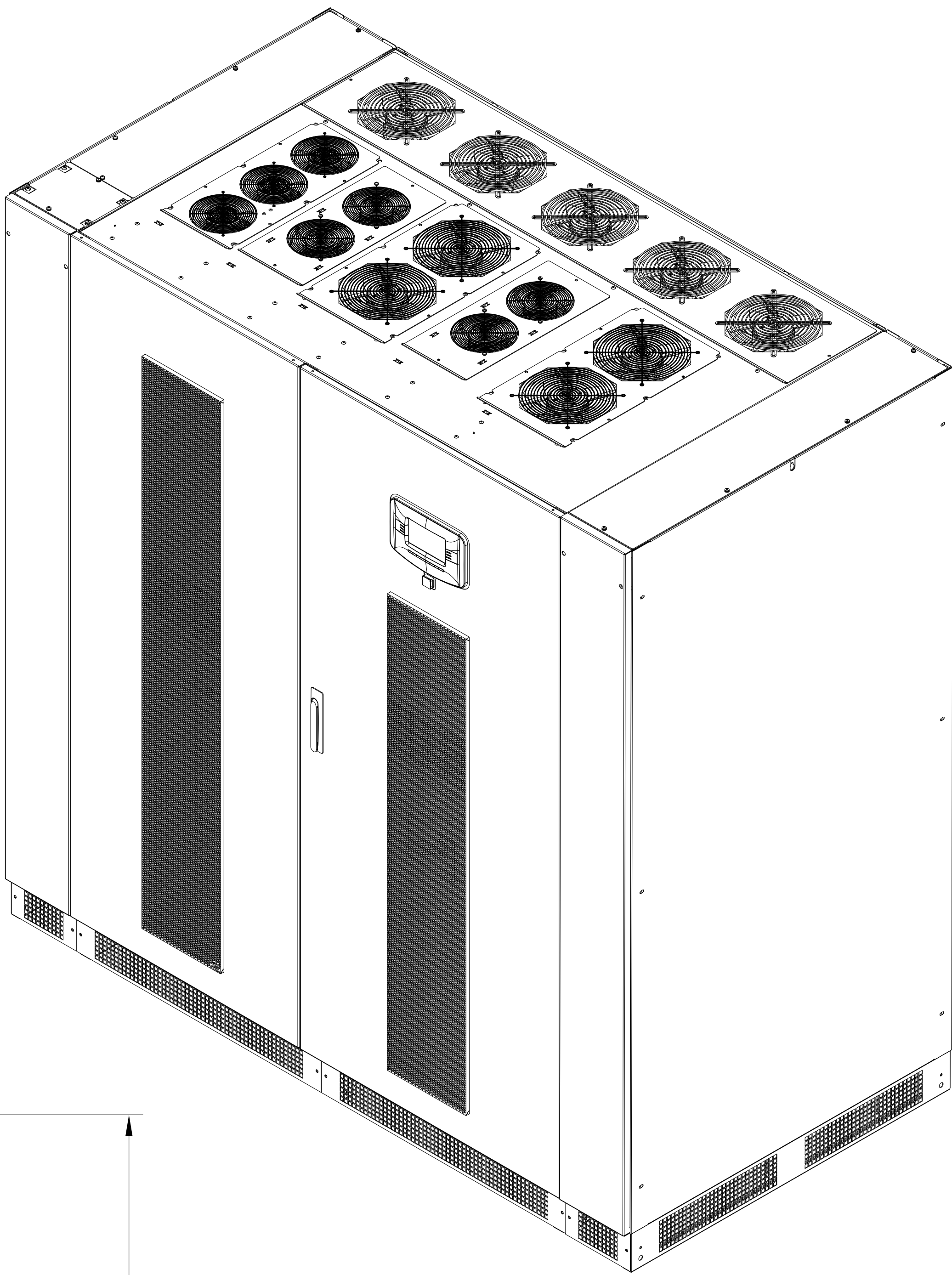




FRONT VIEW



SUMMARY OF EQUIPMENT

THE FIRSTLINE P UNINTERRUPTIBLE POWER SUPPLY (UPS) IS A TRUE ON-LINE, DOUBLE CONVERSION, PARALLELABLE, THREE PHASE SYSTEM THAT CAN PREVENT THE LOSS OF ELECTRONIC INFORMATION AND MINIMIZE EQUIPMENT DOWN TIME.

THE FIRSTLINE P UPS CONSTANTLY MONITORS THE INCOMING ELECTRICAL POWER AND PROTECTS THE CONNECTED LOAD BY REMOVING VOLTAGE SPIKES, SAGS, TRANSIENTS, AND OTHER DAMAGING IRREGULARITIES THAT ARE COMMON IN COMMERCIAL UTILITY POWER. THE UPS SUPPLIES THE CLEAN, CONSISTENT POWER THAT SENSITIVE ELECTRONIC EQUIPMENT REQUIRES FOR RELIABLE OPERATION. DURING BROWNOUTS, BLACKOUTS, AND OTHER POWER INTERRUPTIONS, THE BATTERIES PROVIDE EMERGENCY POWER TO SAFEGUARD OPERATION.

THE FRONT DISPLAY PANEL PROVIDES ACCESS TO DETAILED INFORMATION REGARDING THE STATUS OF THE UTILITY, LOAD, AND FIRSTLINE UPS.

THE AC THREE PHASE UTILITY SUPPLY IS RECTIFIED TO PROVIDE DIRECT CURRENT, THE INVERTER WHICH PROVIDES THE THREE PHASE OUTPUT, AND ELECTRONIC STATIC SWITCH.

PROVIDED THE UTILITY IS WITHIN LIMITS, THE INVERTER WILL MATCH THE OUTPUT FREQUENCY WITH THE UTILITY FREQUENCY. THE INVERTER HAS ITS OWN INTERNAL CONTROL TO STABILIZE THE OUTPUT FREQUENCY IF THE UTILITY FREQUENCY IS OUT OF LIMITS. THE ELECTRONIC STATIC SWITCH SWITCHES THE OUTPUT FROM THE INVERTER TO THE UTILITY, WITHOUT INTERRUPTION, TO MEET ANY LOAD CURRENT SURGES.

UPS CAN BE CONFIGURED FOR WYE-WYE OR DELTA-DELTA APPLICATIONS. DELTA-WYE APPLICATIONS REQUIRE EXTERNAL TRANSFORMER.

ENVIRONMENTAL

OPERATING TEMPERATURE: 0°C TO 40°C
ALTITUDE: 0-3300 FEET [1000 METERS]

RELATIVE HUMIDITY: (WITHOUT DERATING)
0-95%, NON-CONDENSING

SERVICE/VENTILATION CLEARANCES

FROM TOP OF CABINET: 23.62 [600]
FROM FRONT OF CABINET: 39.37 [1000]
*AT LEAST ONE SIDE OR REAR MUST HAVE CLEARANCE OF
19.69 [500]

UL LISTED TO UL 1778, FILE NO.: E191175

MODEL	KVA	INPUT VOLTAGE 60HZ	OUTPUT VOLTAGE 60HZ	MAXIMUM INPUT CURRENT (AMPS)	NOMINAL OUTPUT CURRENT (AMPS)	WEIGHT APPROX. LBS (KG)
FLU-400-CEC	400	480Y/277	480Y/278	640	481	4961 (2250)
FLU-400-T-CEC						4971 (2255)
FLU-500-CEC	500	480Y/277	480Y/278	640	601	4961 (2250)
FLU-500-T-CEC						4971 (2255)

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±

DECIMALS	FRACTIONS	ANGLES	PLATING
±.010	±.005	±.01°	1-1/2"
±.005			

MATERIAL:

ALL DIMENSIONS APPLY AFTER PLATING

UNITS IN [mm]

TITLE: SPEC. CONTROL DRAWING FIRSTLINE P 400/500KVA TOP ENTRY

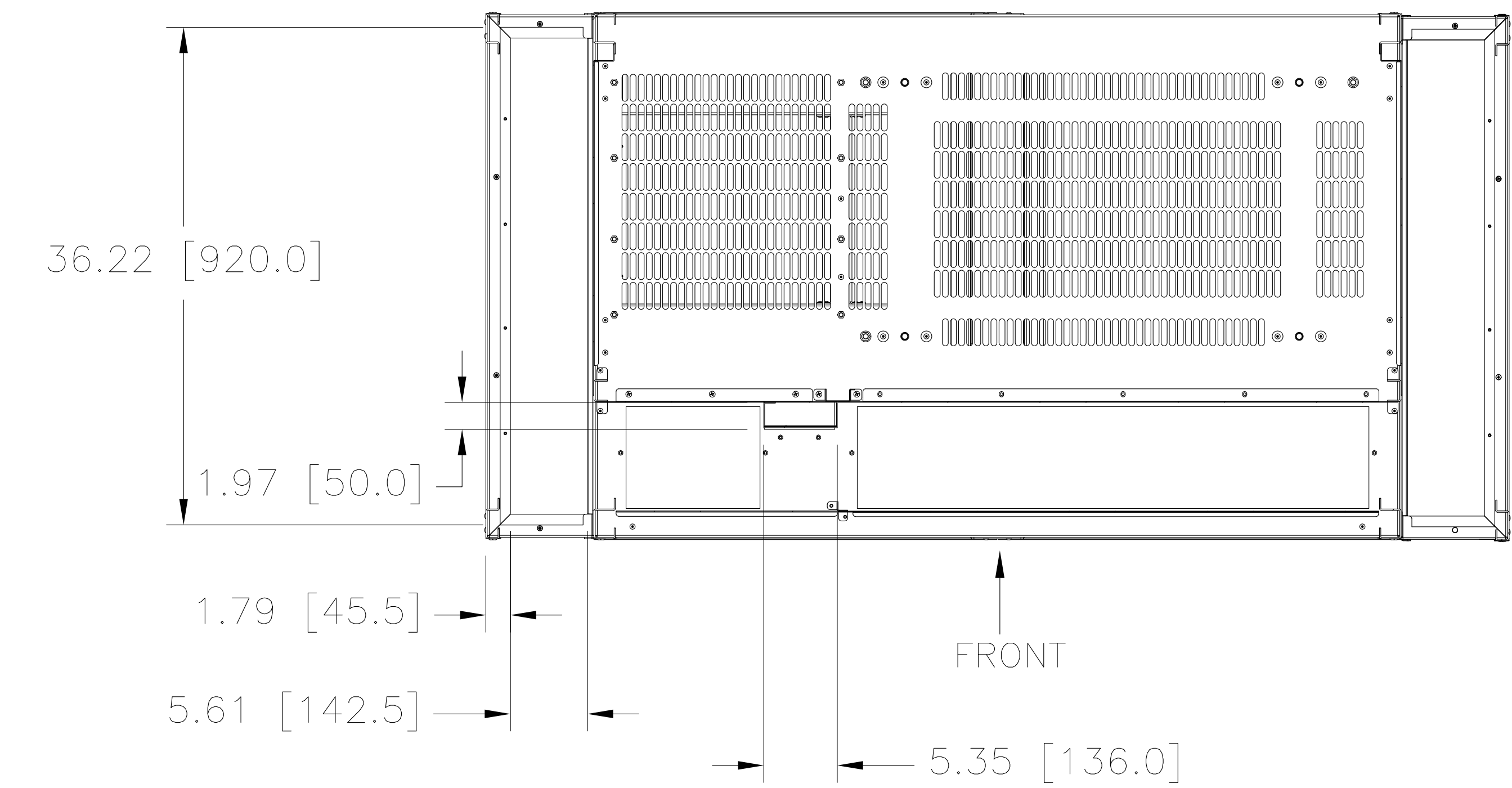
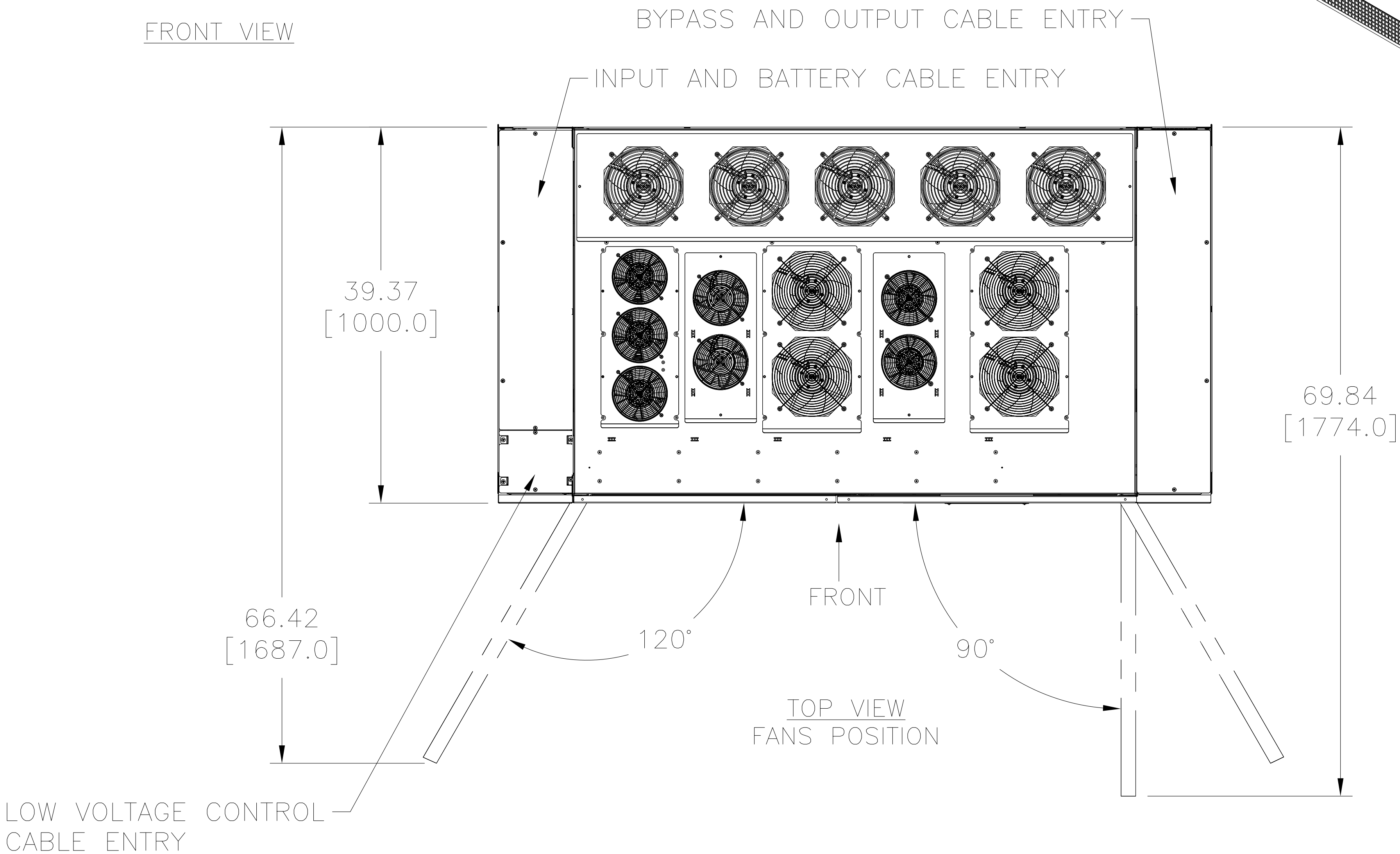
DESIGN BY	DATE	FIRST USED ON	DO NOT SCALE DWG.
SLB	7/20/16		
CHECKED BY	DATE	WEIGHT APPROX.	SCALE COST
S.A. SMITH	10/27/16		83008
ENGINEER	DATE	SCALE	SHEET 1 OF 2
FOX	10/27/16	1/8	



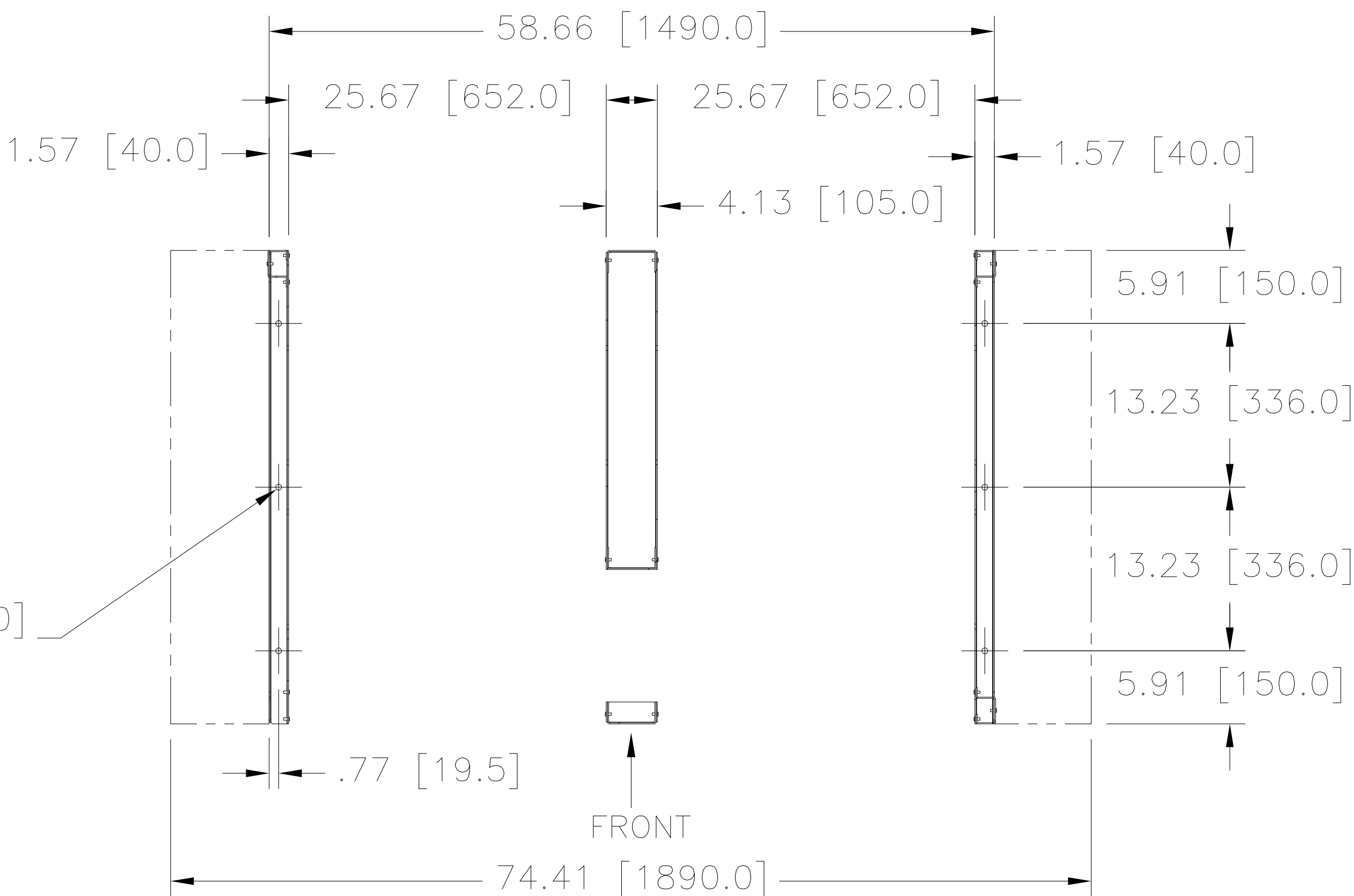
STACO ENERGY PRODUCTS CO.
A Commercial Equipment Division of the Staco Company
351 Gates Road • Dayton, Ohio 45424 USA

DWG. NO. E 096-6078

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BOTTOM VIEW
 SECTION A-A
 W/O DOOR AND PANEL
 BEARING SURFACE OF CABINET



BOTTOM VIEW
SECTION B-B

