

PROPOSED MODEL NUMBER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 F L P - 0 6 0 T - 0 - X X X X X - Y Y Y

DWG. NO.	096-6081		
DWG. SIZE	D		
REVISIONS			
SYM.	E.C.O.	DATE	APVD.
A	28771	3/2/17	
UPDATED SPECS TABLE			
B	28799	4/3/17	
MINOR CHANGES			
C	28842	5/18/17	
NO BATTERY OPTION			


SEPARATE BYPASS INPUT	
BLANK	NONE
2DB	208Δ:208Y VAC ISOLATION TRANSFORMER. MAY BE PROVIDED ONLY ON MODELS WITH "2D-2Y"
2YB	NO TRANSFORMER. MAY BE PROVIDED ONLY ON MODELS WITH "2Y-4Y"
4DB	480Δ:208Y VAC ISOLATION TRANSFORMER. MAY BE PROVIDED ONLY ON MODELS WITH "4D-2Y"
4YB	480Δ:208Y VAC AUTOTRANSFORMER. MAY BE PROVIDED ONLY ON MODELS WITH "4Y-2Y"

INTERNAL INPUT/OUTPUT TRANSFORMER OR INTERNAL BATTERY #2	
BLANK	BATTERY STRING 2 AND TRANSFORMERS NOT PROVIDED
2D-2Y	208Δ:208Y INPUT ISOLATION TRANSFORMER AND NO OUTPUT TRANSFORMER
2D-4Y	208Δ:208Y VAC INPUT ISOLATION TRANSFORMER AND 208Y:480Y OUTPUT AUTOTRANSFORMER
2Y-4Y	NO INPUT TRANSFORMER AND 208Y:480Y OUTPUT AUTOTRANSFORMER.
4D-2Y	480Δ:208Y VAC INPUT ISOLATION TRANSFORMER AND NO OUTPUT TRANSFORMER.
4D-4Y	480Δ:208Y VAC INPUT ISOLATION TRANSFORMER AND 208Y:480Y OUTPUT AUTOTRANSFORMER.
4Y-2Y	480Y:208Y VAC INPUT AUTOTRANSFORMER AND NO OUTPUT TRANSFORMER
4Y-4Y	480Y:208Y VAC INPUT AUTOTRANSFORMER AND 208Y:480Y OUTPUT AUTOTRANSFORMER.

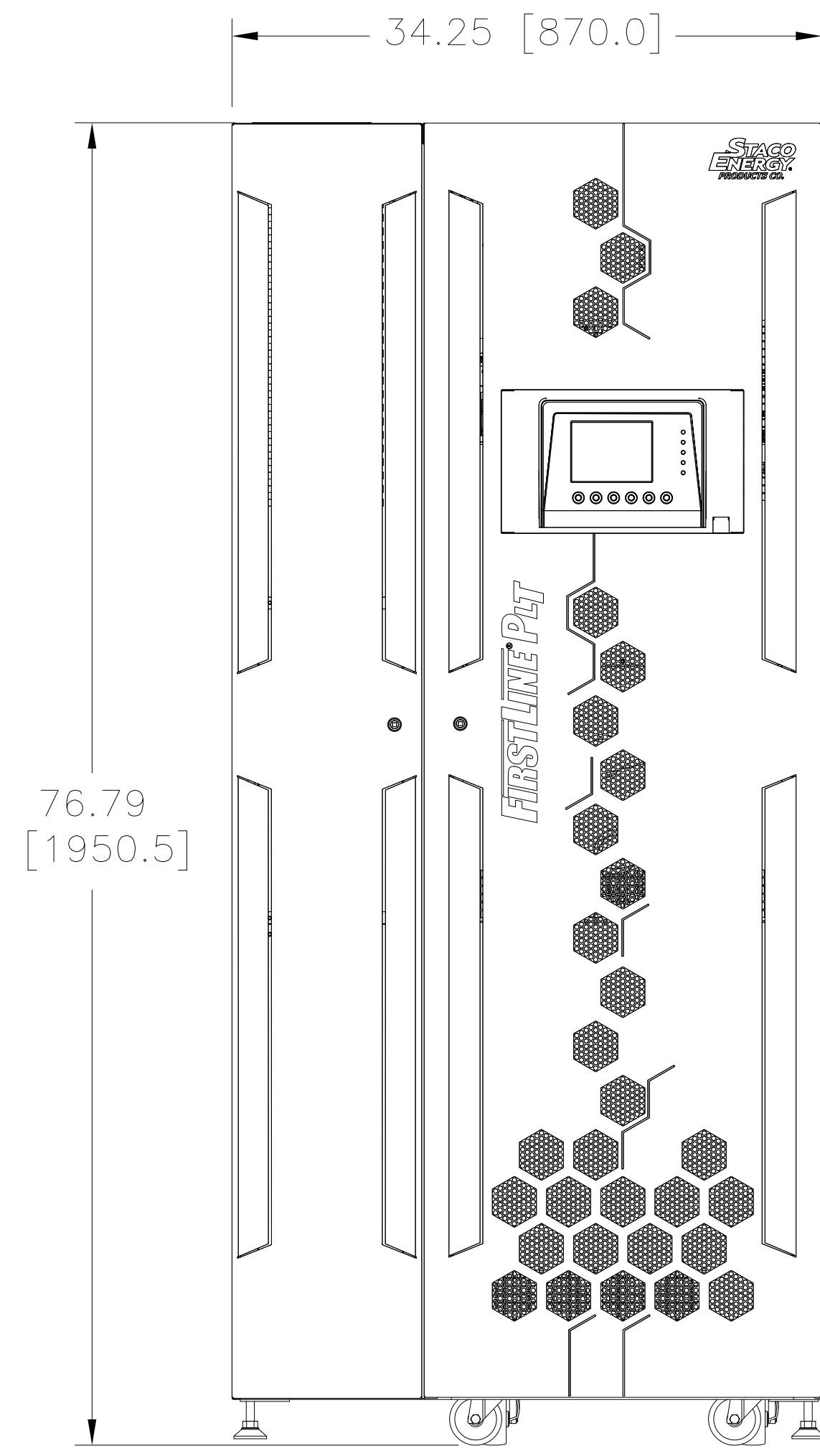
NO OPTION FOR INTERNAL BATTERY STRING	
0	NO INTERNAL BATTERIES

KVA AND CABINET TYPE	
060T	60 KVA TALL
050T	50 KVA TALL

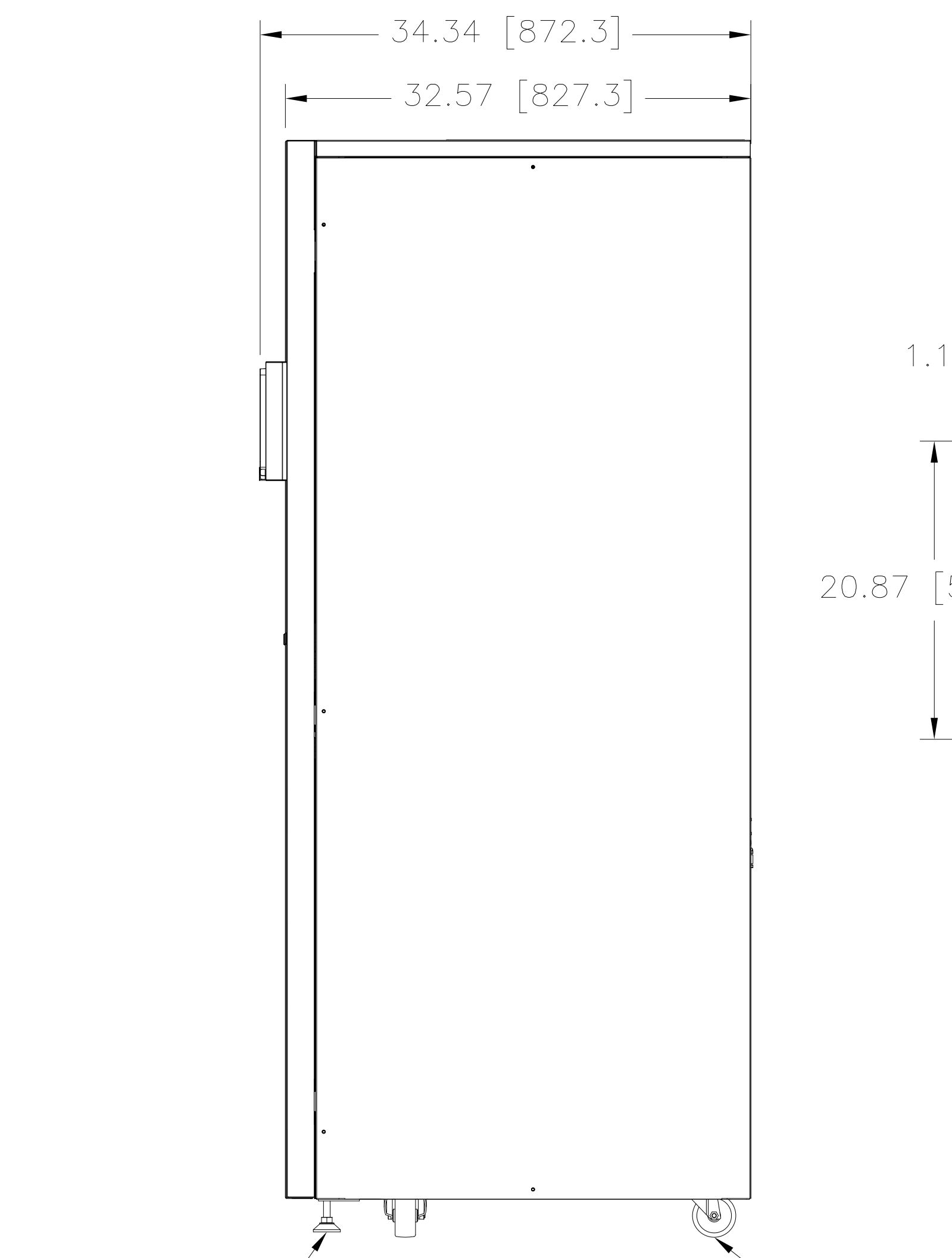
SERIES	
FLP	FIRSTLINE PL

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±		UNITS		TITLE: SPECIFICATION CONTROL DRAWING	
DECIMALS	HOLES	ANGLES	DRAFT	FIRSTLINE PLT 50-60 KVA	
.XX	.12	1°	1-1/2°	UNINTERRUPTIBLE POWER SUPPLY	
.XXX	.005			DRAWN BY SLB	
MATERIAL:				DATE 10/28/16	
ALL DIMENSIONS APPLY AFTER PLATING				FIRST USED ON	
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CHECKER SAS		DATE 3/2/17		WEIGHT APPROX. 8300g	
ENGINEER B.FOX		DATE 3/2/17		CASE CODE 83008	
		SCALE 1/8		SHEET 1 OF 5	
					
A Components Corporation of America Company 301 Gessie Boulevard Dayton, Ohio 45403 USA					
DWG. NO. 096-6081					

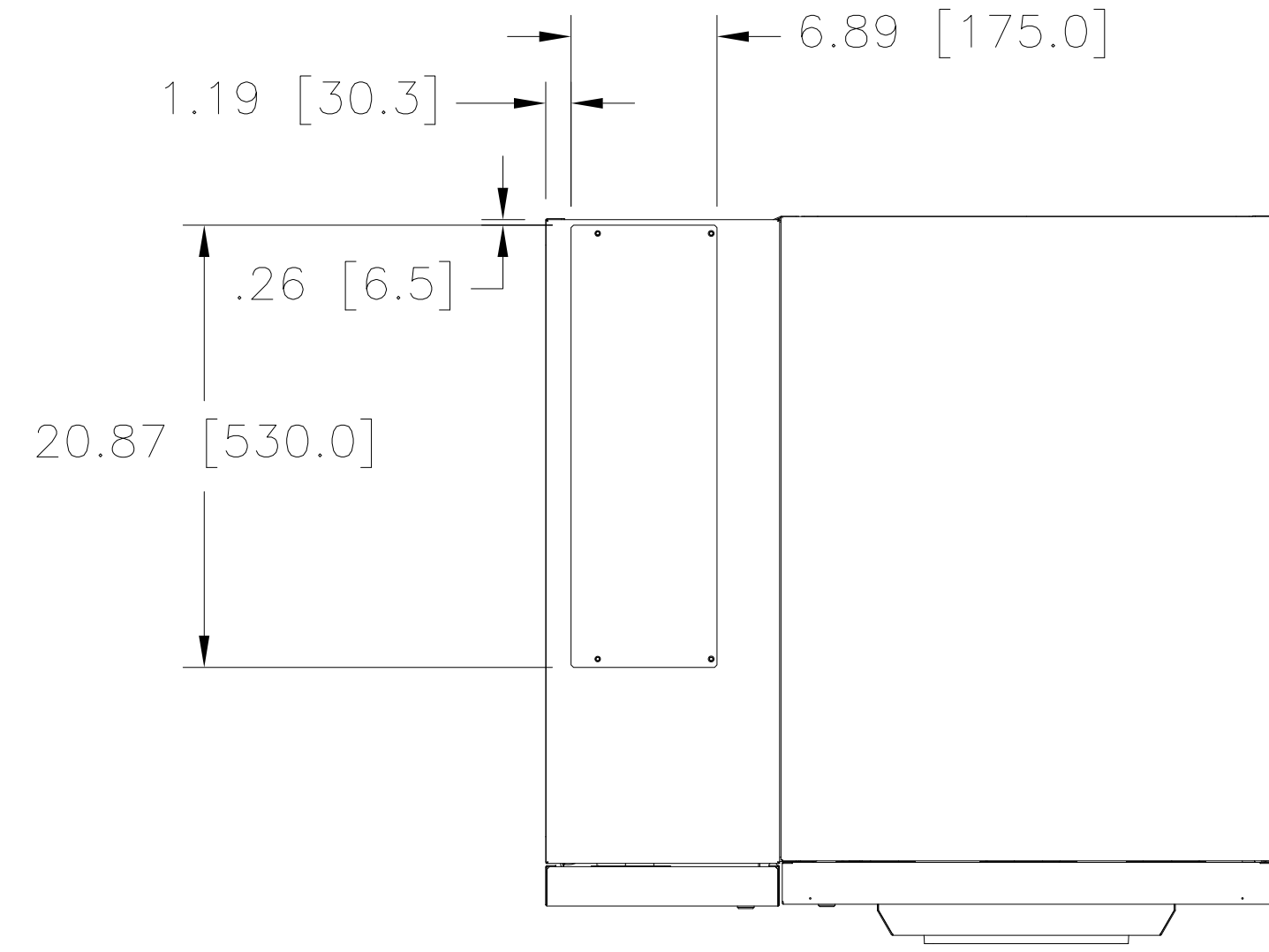
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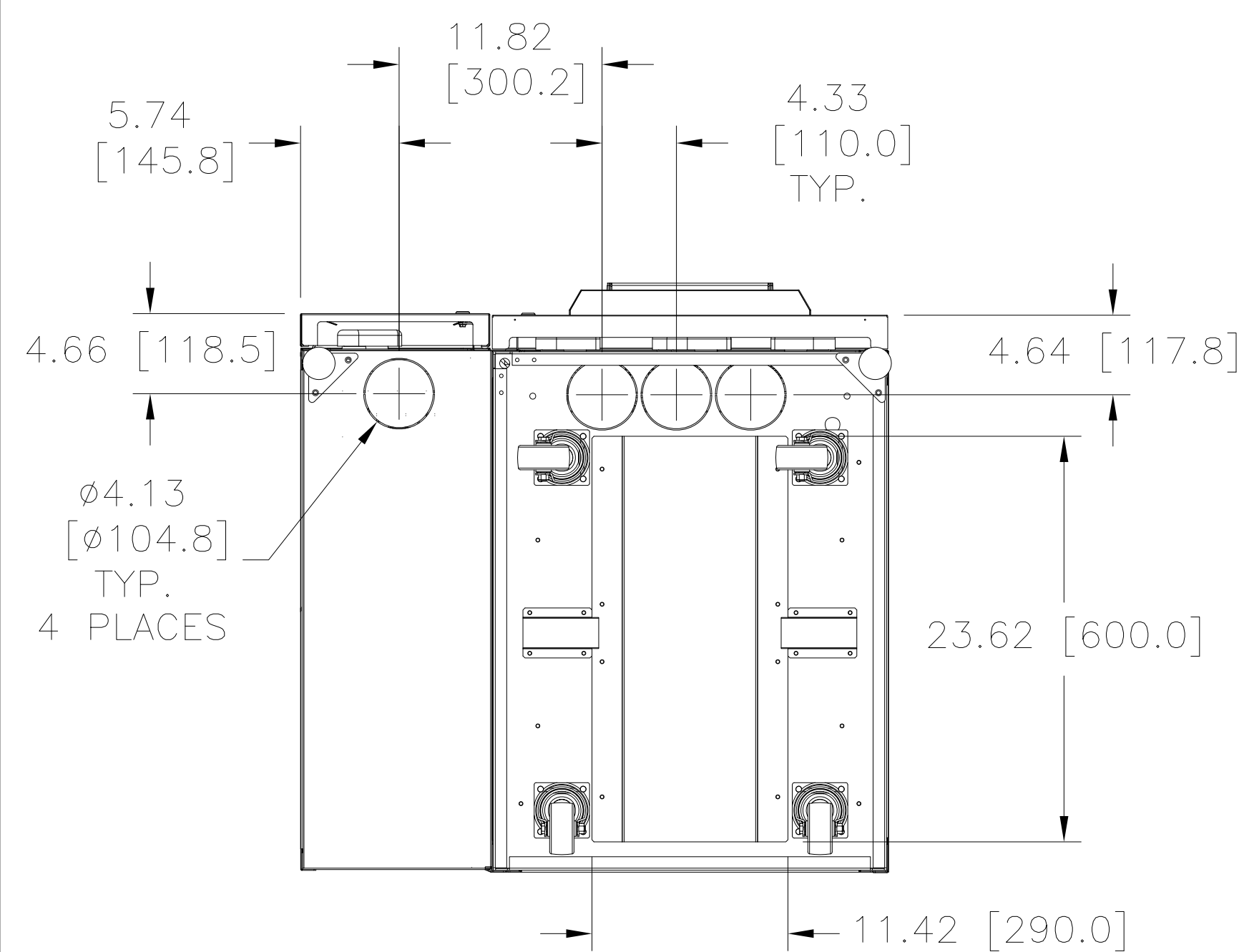
FRONT VIEW



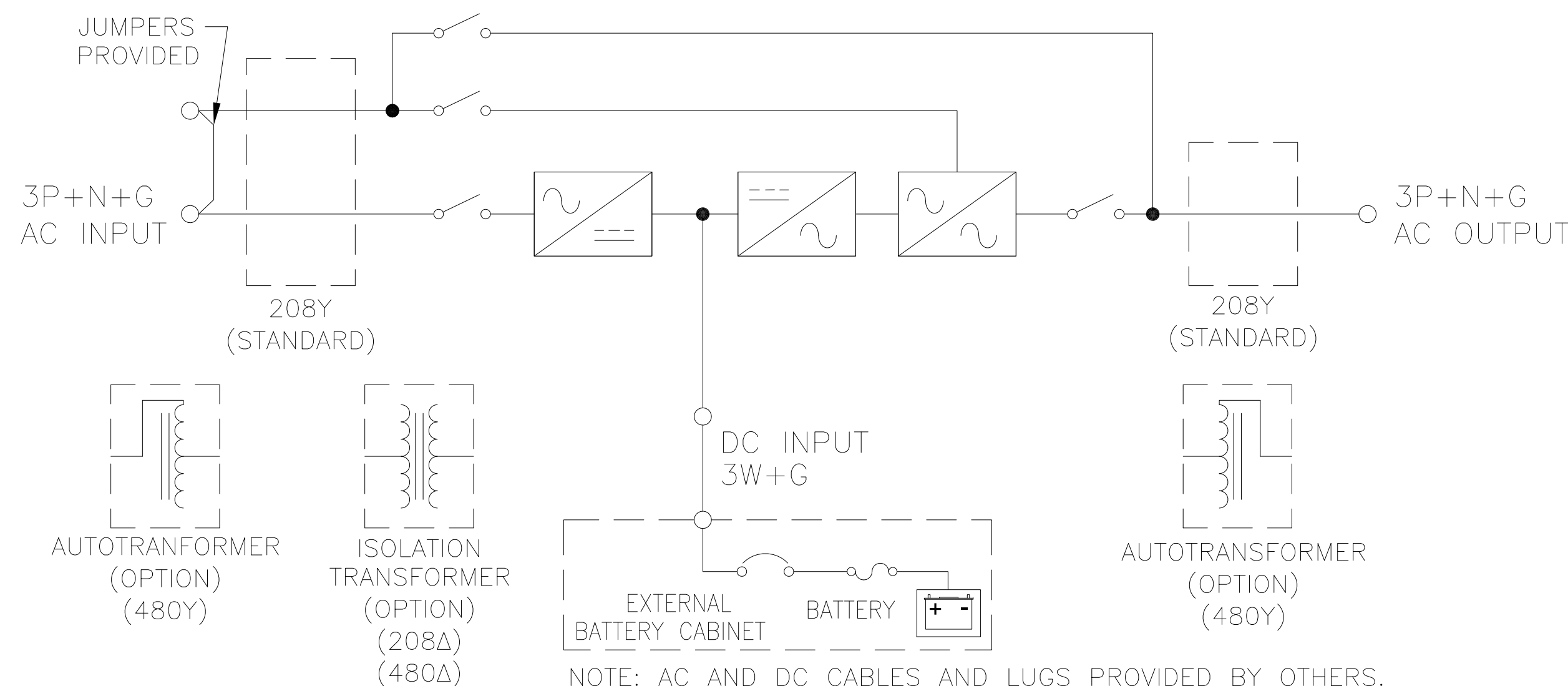
RIGHT SIDE VIEW



TOP VIEW



BOTTOM VIEW



SUMMARY OF EQUIPMENT

THE FIRSTLINE PLT 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 PLT 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 PLT UPS.

THE BLOCK DIAGRAM BELOW SHOWS THE MAIN FUNCTIONAL SUBASSEMBLIES OF THE FIRSTLINE PLT 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.

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.

ENVIRONMENTAL

OPERATING TEMPERATURE: 0°C TO 40°C
 ALTITUDE: 0-3300 FEET [1000 METERS] (WITHOUT DERATING)
 RELATIVE HUMIDITY: 0-95%, NON-CONDENSING

SERVICE/VENTILATION CLEARANCES

FROM TOP OF CABINET: 18.00 [457.2]
 FROM FRONT OF CABINET: 36.00 [914.4]
 FROM REAR OF CABINET: 8.00 [203.2]*

UL LISTED TO UL 1778, FILE NO.: E191175

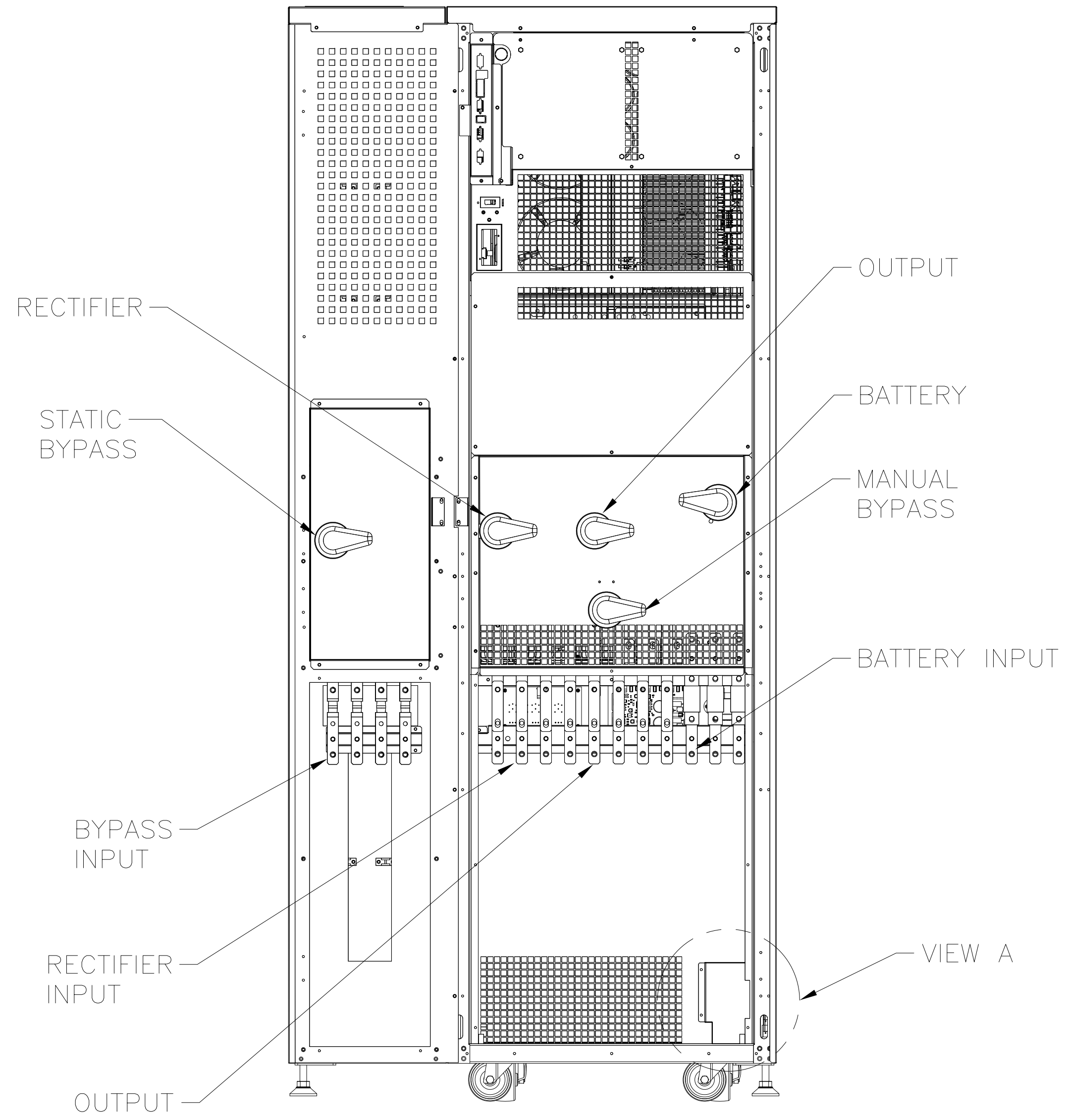
NOTES:

REAR CLEARANCE CAN BE REDUCED TO 3" [76.2] IF THERE IS AT LEAST 4" [101.6] CLEARANCE ON BOTH SIDES.

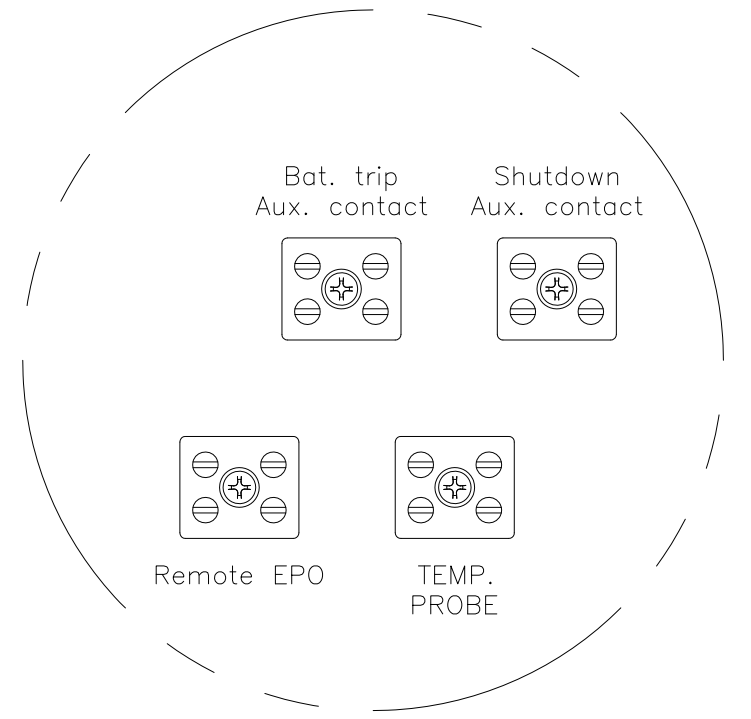
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DECIMALS	HOLES	ANGLES	DRAFT	FIRSTLINE PLT 50-60 KVA	
.XX	.12	1°	1-1/2°	UNINTERRUPTIBLE POWER SUPPLY	
.XXX	.005			DRAWN BY: SLB	
MATERIAL:				DATE: 10/28/16	
ALL DIMENSIONS APPLY AFTER PLATING.				FIRST USED ON: DO NOT SCALE DWG.	
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				DATE: 3/2/17	
				WEIGHT APPROX. CASE CODE 83008	
				ENGINEER: B.FOX	
				DATE: 3/2/17	
				SCALE: 1/8	
				SHEET 2 OF 5	
				DWG. NO. 096-6081	



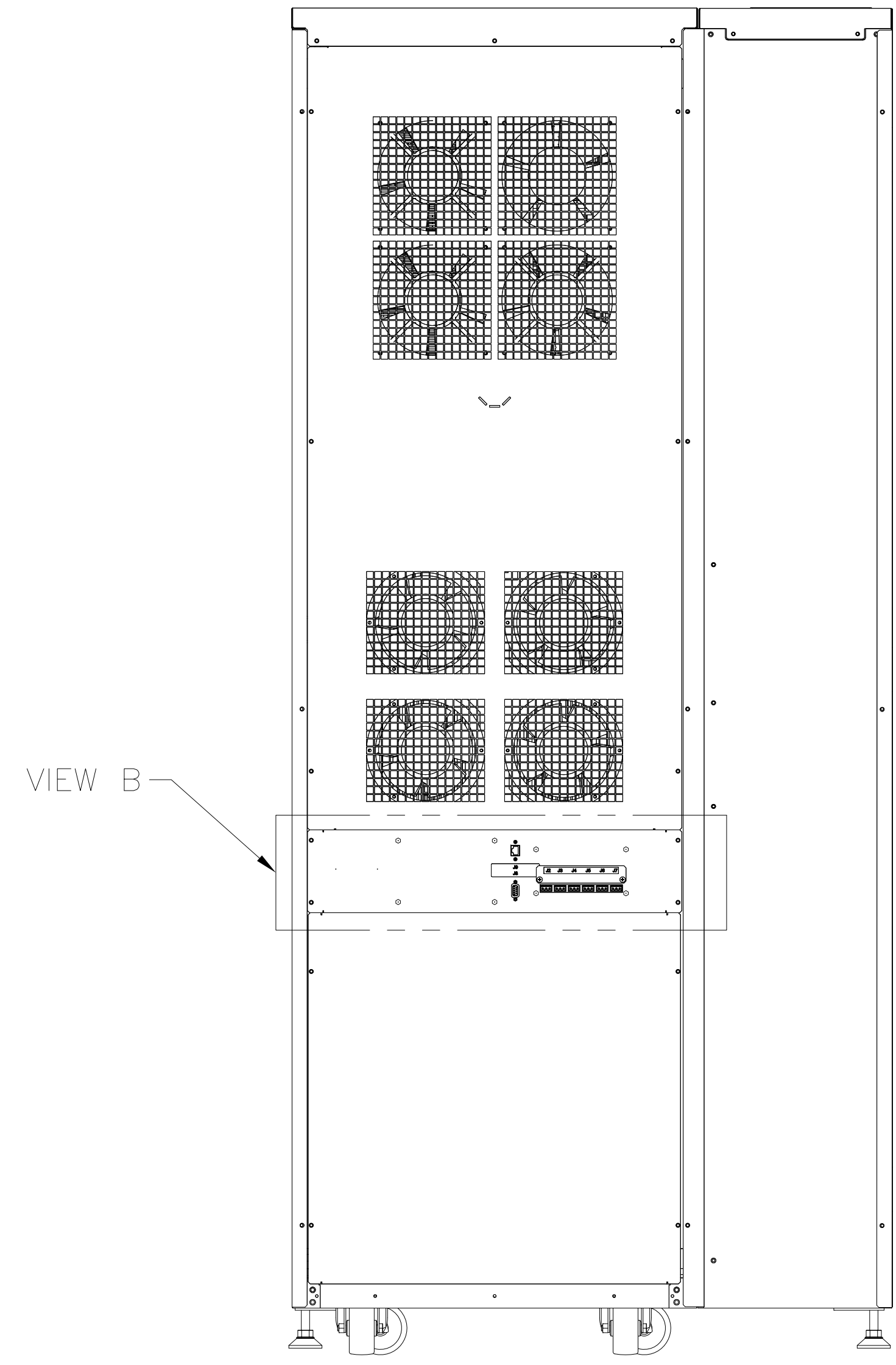
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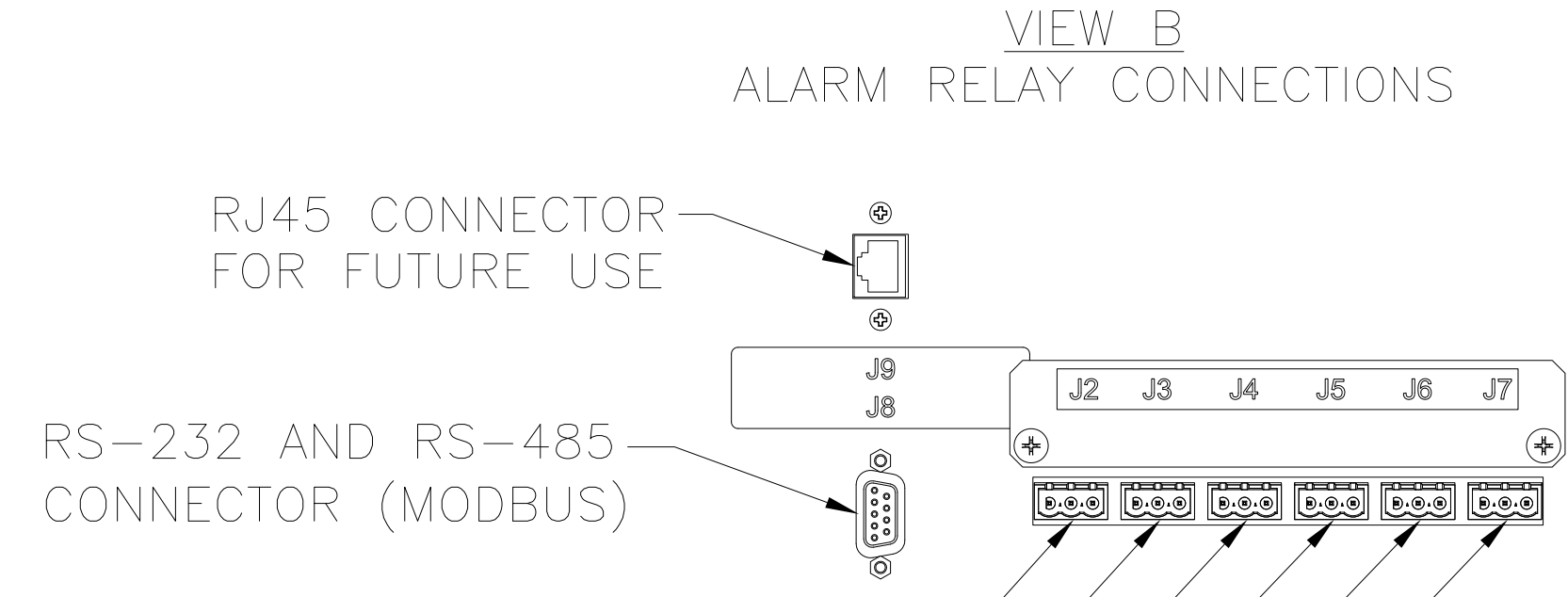
FRONT VIEW
DOOR REMOVED



VIEW A
CONTROL CONNECTIONS

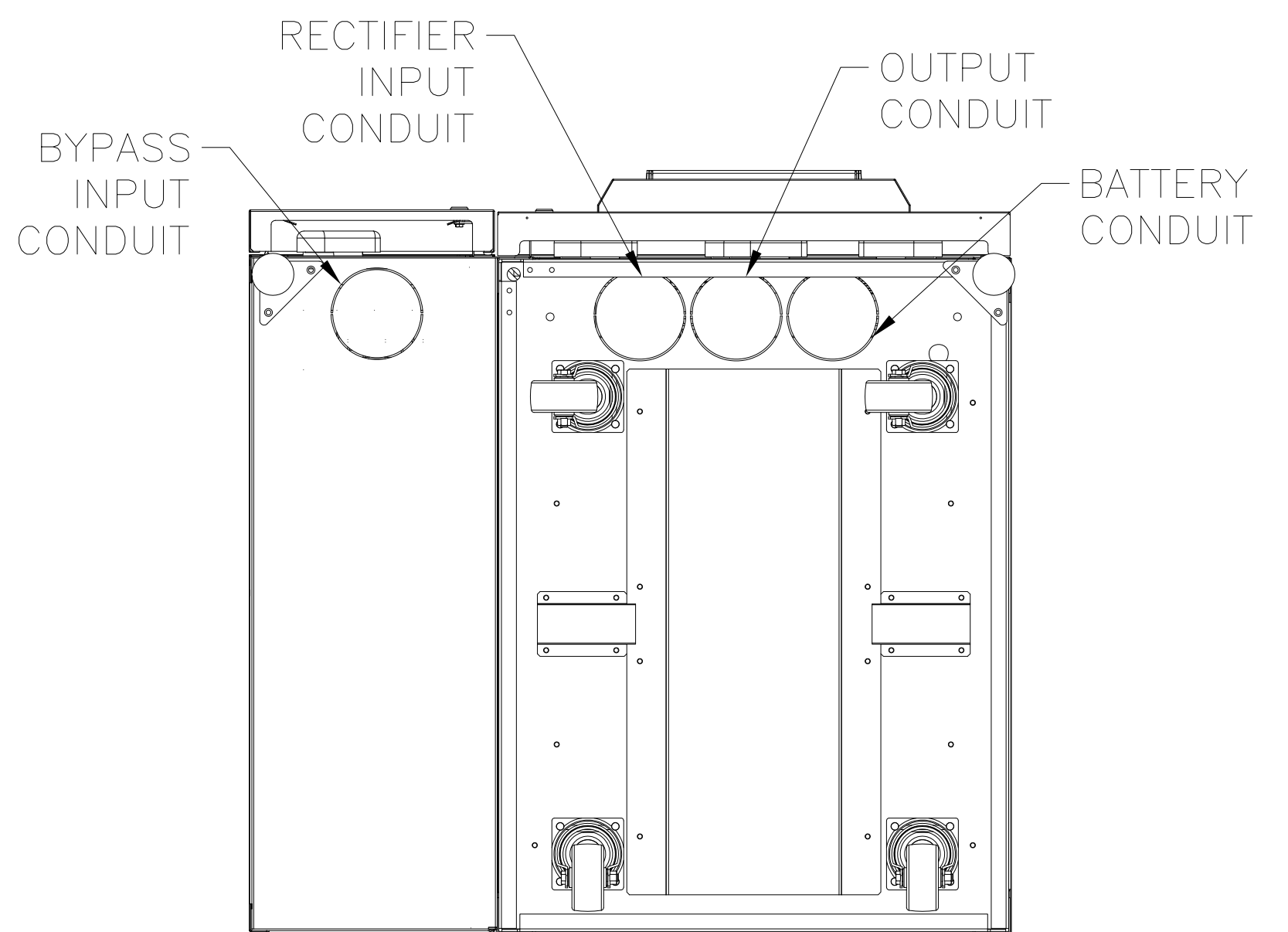


REAR VIEW



VIEW B
ALARM RELAY CONNECTIONS

- J2 - NORMAL OPERATION
- J3 - ON BYPASS
- J4 - ON BATTERY
- J5 - LOW BATTERY
- J6 - OVER TEMP.
- J7 - ALARM PRESENT



BOTTOM VIEW

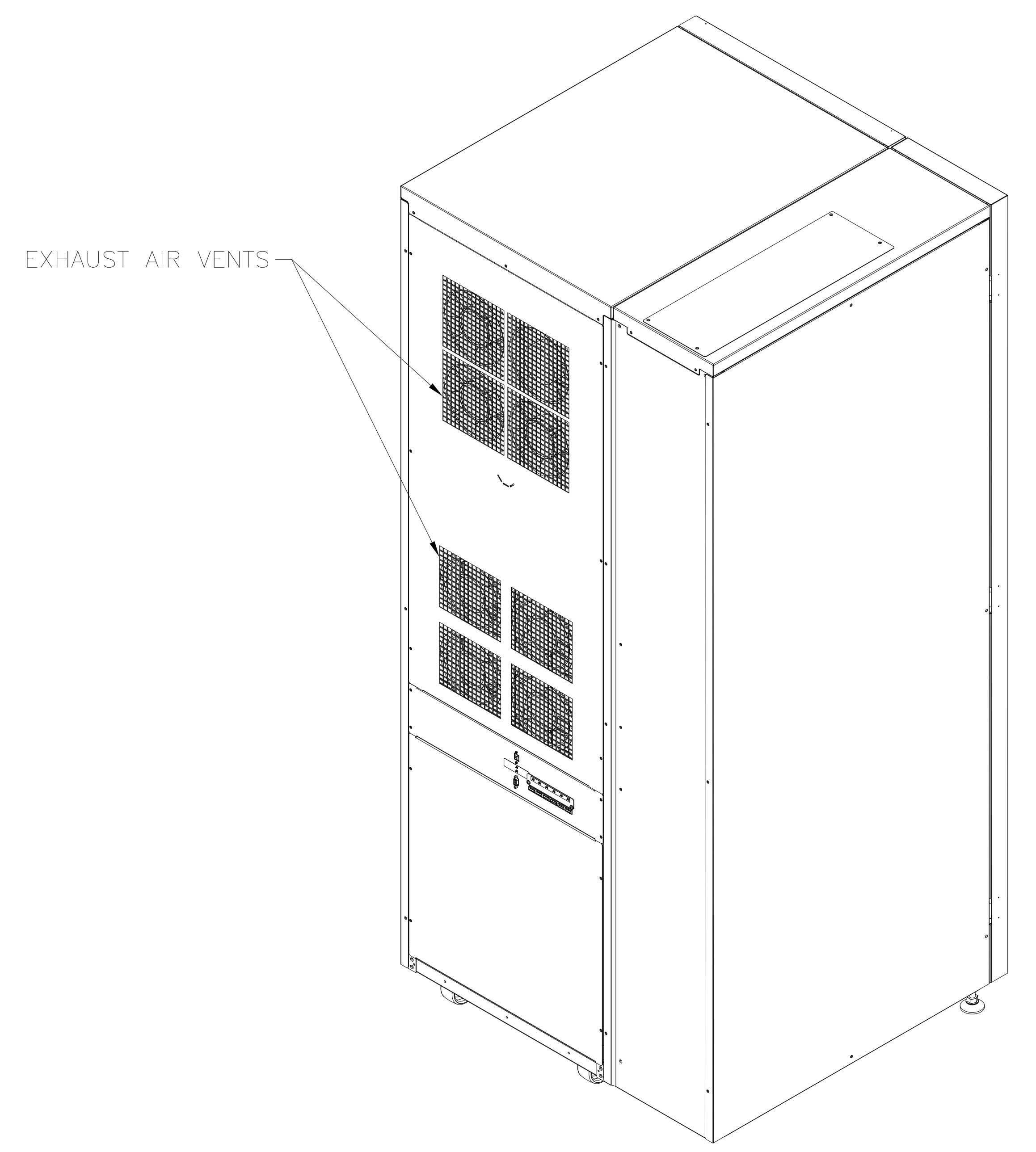
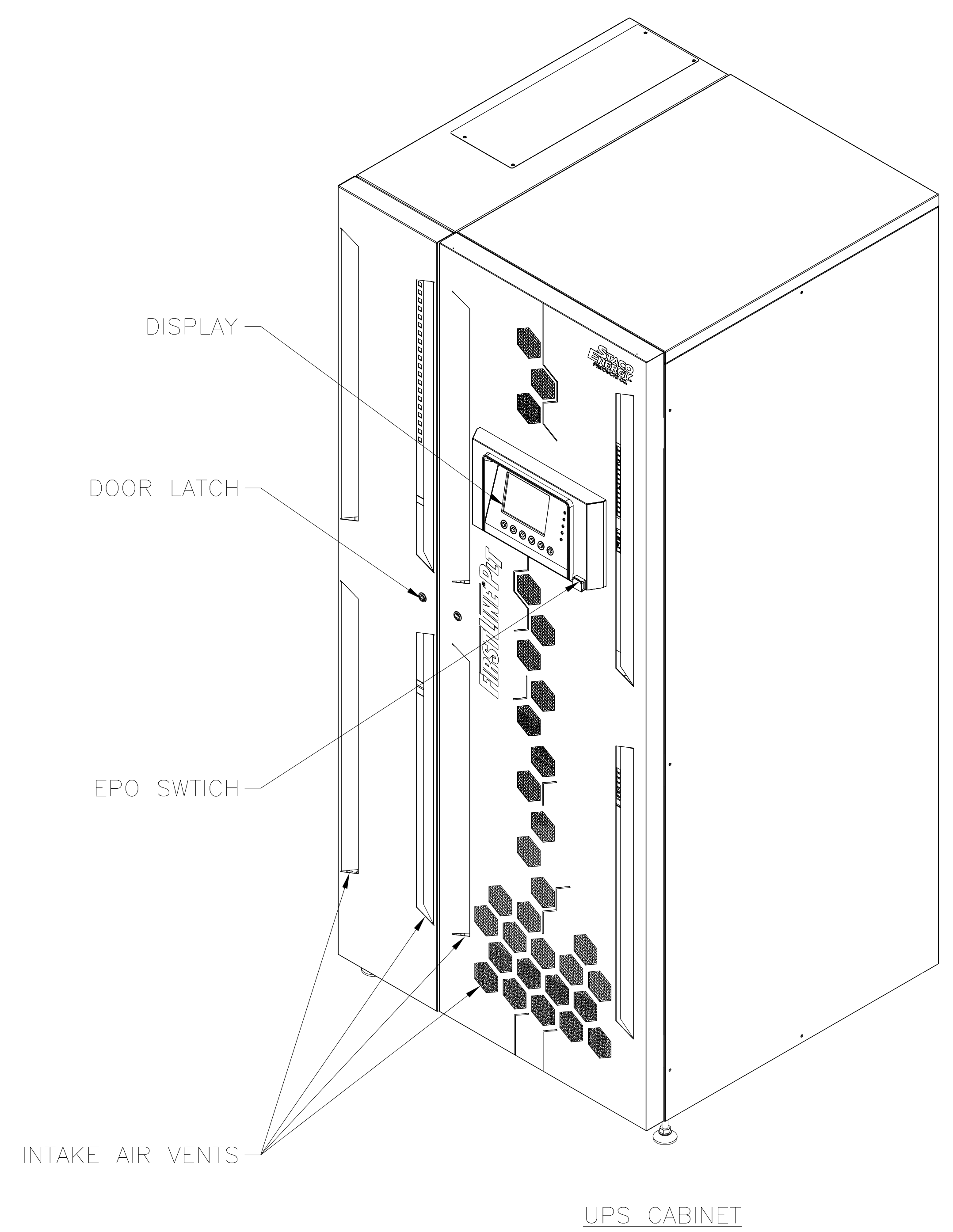
TERMINAL BLOCK CONNECTION DATA
 POWER AND BATTERY TERMINAL SCREW SIZE: M8
 POWER AND BATTERY TERMINAL TORQUE: 30 IN-LBS (3.4 N-M)
 CONTROL TERMINAL BLOCKS TORQUE: 6 IN-LBS (0.7 N-M)

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DECIMALS	HOLE	ANGLES	DRAFT	SPECIFICATION CONTROL DRAWING	
.XX	.12	1°	1-1/2°	FIRSTLINE PLT 50-60 KVA	
.XXX	.005			UNINTERRUPTIBLE POWER SUPPLY	
MATERIAL:		ALL DIMENSIONS APPLY AFTER PLATING.		DRAWN BY	
				SLB	
				DATE	
				10/28/16	
				FIRST USED ON	
				DO NOT SCALE DWG.	
				CHECKER	
				SAS	
				DATE	
				3/2/17	
				WEIGHT APPROX.	
				8.3008	
				ENGINEER	
				B.FOX	
				DATE	
				3/2/17	
				SCALE	
				.15	
				SHEET 3 OF 5	
				DWG. NO.	
				D 096-6081	



A Components Corporation of America Company
 301 Gessie Boulevard Dayton, Ohio 45403 USA

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				CHECKER	
				SAS	
				DATE	
				3/2/17	
				WEIGHT APPROX.	
				83008	
				ENGINEER	
				B.FOX	
				DATE	
				3/2/17	
				SCALE	
				.15	
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FIRSTLINE PLT SPECIFICATIONS								
kVA	RECTIFIER INPUT (3-PHASE, 60HZ)		OUTPUT (3-PHASE, 60HZ)		DC		MAXIMUM WEIGHT LBS	BTU/hr
	VAC	CURRENT	VAC	CURRENT	VDC	CURRENT		
50	208Y/120	172	208Y/120	139	432	133	881	21000
50	208Δ	176	208Y/120	139	432	133	1461	25500
50	480Δ	76	208Y/120	139	432	133	1291	25500
50	480Y/277	76	208Y/120	139	432	133	1291	25500
50	208Δ	181	480Y/277	60	432	136	1871	30100
50	208Y/120	176	480Y/277	60	432	136	1291	25500
50	480Δ	78	480Y/277	60	432	136	1701	30100
50	480Y/277	78	480Y/277	60	432	136	1701	30100
60	208Y/120	200	208Y/120	167	432	159	881	18300
60	208Δ	205	208Y/120	167	432	159	1439	23500
60	480Δ	89	208Y/120	167	432	159	1441	23500
60	480Y/277	88	208Y/120	167	432	159	1447	21400
60	208Δ	208	480Y/277	72	432	162	2005	26600
60	208Y/120	203	480Y/277	72	432	162	1447	21400
60	480Δ	90	480Y/277	72	432	162	2007	26600
60	480Y/277	89	480Y/277	72	432	162	2013	24500

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				ENGINEER	
				B.FOX	
				SCALE	
				1/1	
				SHEET 5 OF 5	
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