

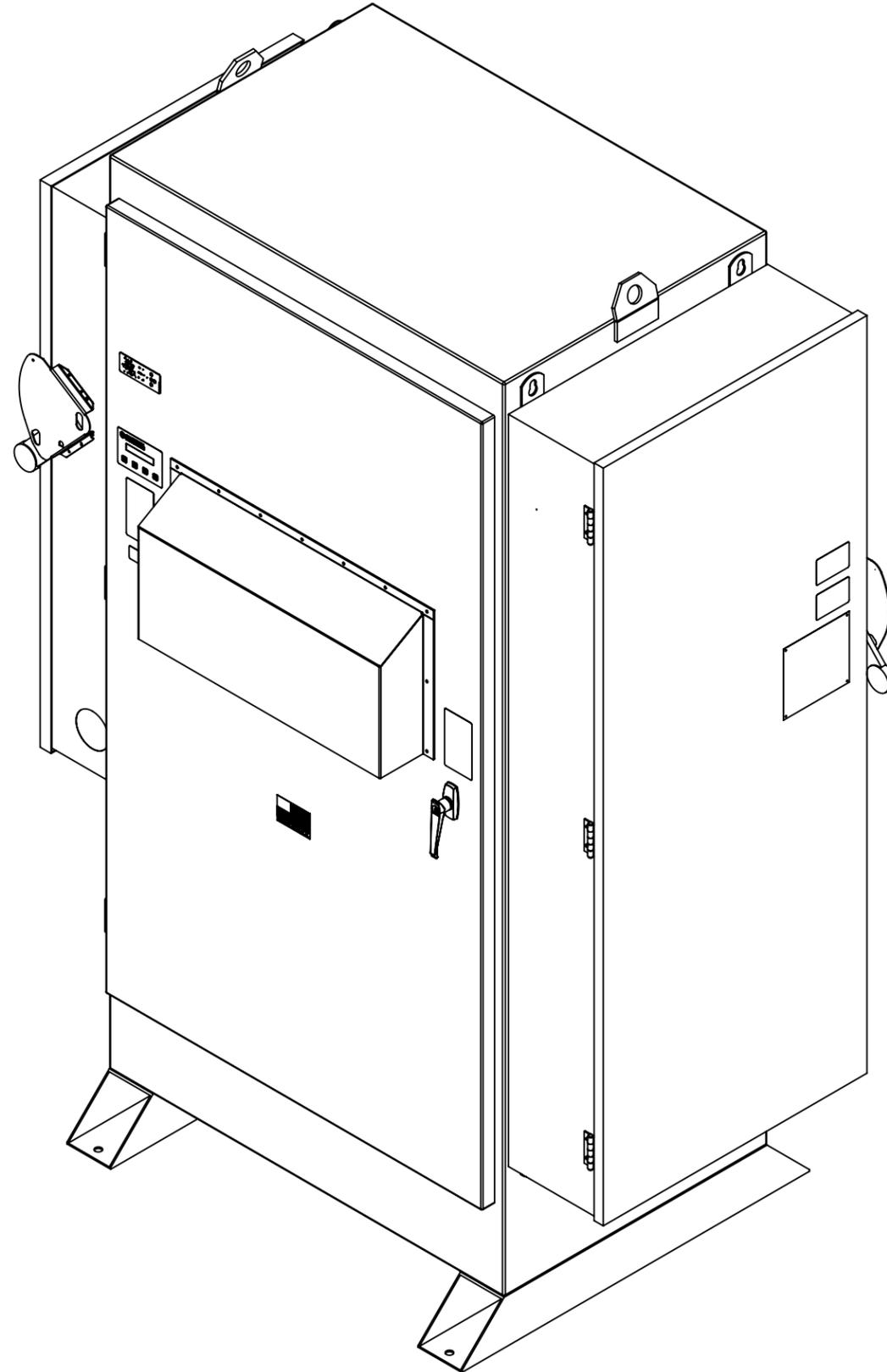
APPROX. PRODUCT MASS

INSTALLED MASS:	2070	LBS
SHIPPING MASS:	2195	LBS

REVISIONS						
REV	EC#	DESCRIPTION	DRAWN	CHECKED	APPROVED	DATE
A	510	• INITIAL RELEASE	C. THOMPSEN	A. FITZPATRICK	C. THOMPSEN	4/26/2013
B	1061	• ADDED DIMENSIONS FOR STAINLESS STEEL ENCLOSURE OPTION • ADDED DIMENSIONS FOR AIR FILTER OPTION • NEW REVISION OF AIR INTAKE SHROUD WITH ANGLED TOP	C. THOMPSEN	J. KADOKO	C. THOMPSEN	8/20/2013

NOTES:

1. SEE SOLECTRIA RENEWABLES PVI 50-100KW INSTALLATION AND OPERATION MANUAL FOR FURTHER INSTALLATION REQUIREMENTS.
2. SHEETS INCLUDED:
 1. ISOMETRIC
 2. FRONT - BASIC DIMENSIONS
 3. FRONT - DISCONNECT DIMENSIONS, SIDE FACING ONLY
 4. FRONT - DISCONNECT DIMENSIONS, FORWARD FACING ONLY
 5. REAR
 6. RIGHT
 7. LEFT
 8. TOP - BASIC DIMENSIONS
 9. TOP - DISCONNECT DIMENSIONS
 10. BOTTOM
 11. DC CONDUCTOR CONNECTION LOCATIONS
 12. DC GROUND CONDUCTOR CONNECTION LOCATIONS
 13. AC CONDUCTOR CONNECTION LOCATIONS
 14. AC GROUND CONDUCTOR CONNECTION LOCATIONS
 15. SIGNAL WIRE CONNECTION LOCATIONS
 16. AS SHIPPED ISOMETRIC - SIDE FACING ONLY
 17. AS SHIPPED ISOMETRIC - FORWARD FACING ONLY
 18. RECOMMENDED RIGGING FOR CRANE LIFTING
3. AC AND DC DISCONNECT VARY DEPENDING ON THE POWER AND VOLTAGE LEVEL OF THE INVERTER. THIS VARIATION AFFECTS OUTSIDE DIMENSIONS AND AC, DC, AND GROUND CONDUCTOR CONNECTION LOCATIONS. FOR DETERMINING WHICH DISCONNECTS WILL BE USED FOR YOUR ORDER, REFER TO THE DISCONNECT CURRENT RATINGS TABLES IN THE "AC POWER CONNECTIONS" AND "DC POWER CONNECTIONS" SECTIONS OF THE SOLECTRIA RENEWABLES PVI 50-100KW INSTALLATION AND OPERATION MANUAL.
4. THE AC DISCONNECT USED FOR THE STAINLESS STEEL ENCLOSURE OPTION DIFFERS FROM THE STANDARD MODEL, WHICH AFFECTS OUTSIDE DIMENSIONS AND AC CONDUCTOR CONNECTION LOCATIONS.



PRODUCT: **PVI 50-100KW**

VIEW: AS SHIPPED ISOMETRIC

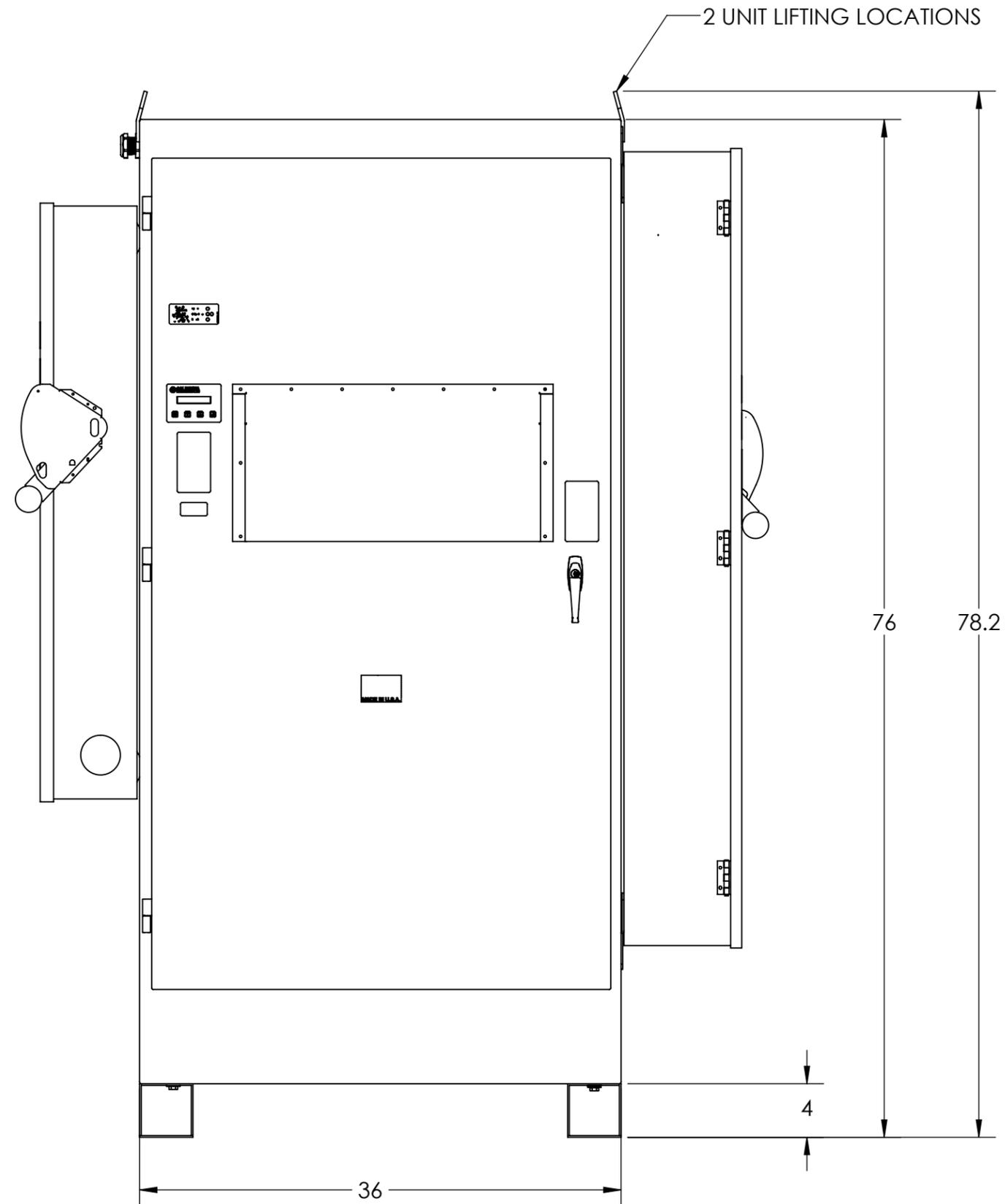
DOCUMENT: DOCR-070190 REV: B

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:10 SHEET 1 OF 18



PRODUCT: **PVI 50-100KW**

VIEW: **FRONT**

DOCUMENT: **DOCR-070190** REV: **B**

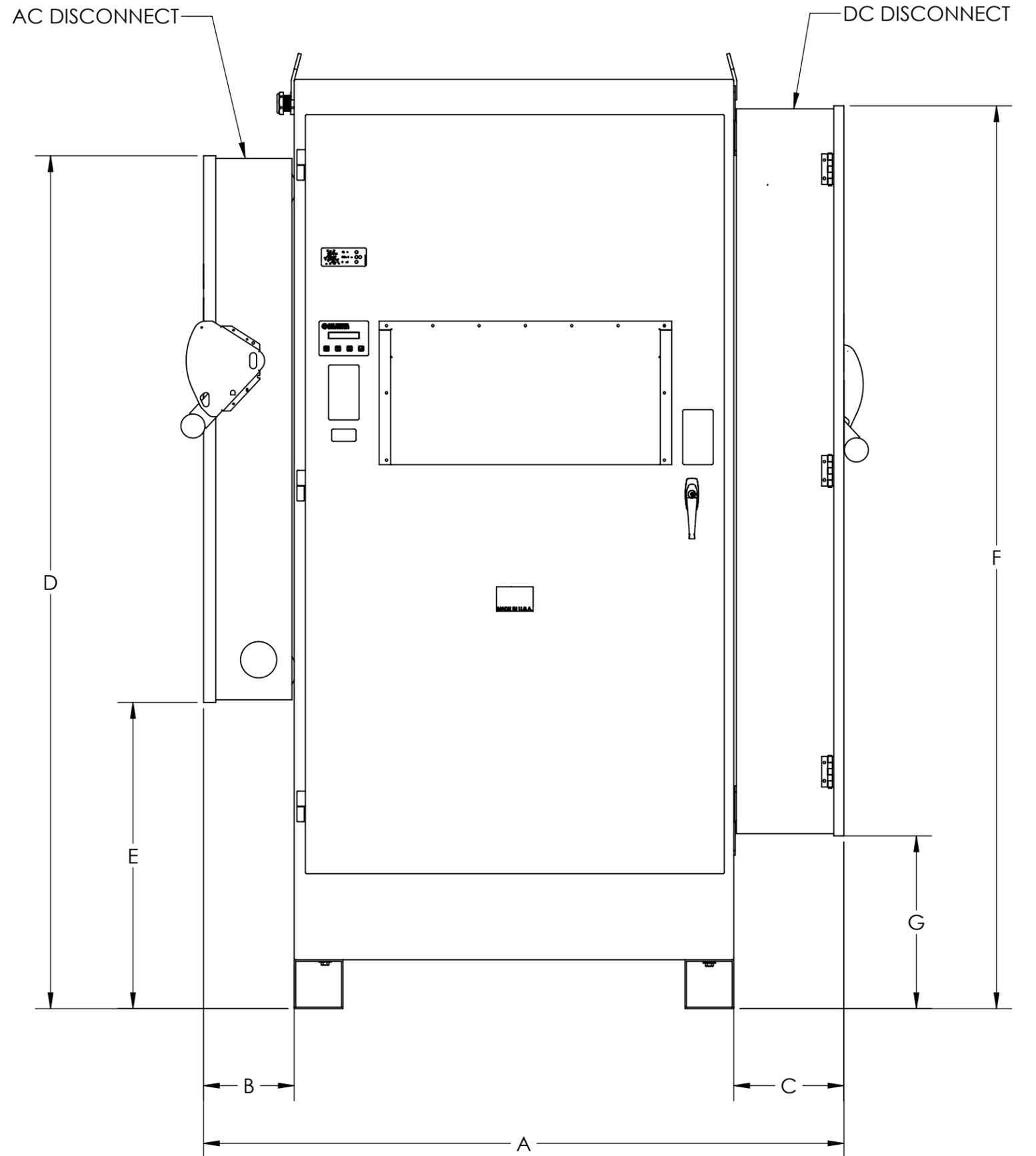
SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:10 SHEET 2 OF 18

AC DISCONNECT	200A	200A	400A	400A	200A	200A	400A	400A
DC DISCONNECT	400A	600A	400A	600A	400A	600A	400A	600A
OPTIONS	STANDARD				STAINLESS STEEL			
A	50	51	51	53	50	51	51	52
B	6	6	7	7	6	6	7	7
C	7	9	7	9	7	9	7	9
D	72	72	70	70	74	74	74	74
E	44	44	25	25	43	43	20	20
F	74	74	74	74	74	74	74	74
G	20	14	20	14	20	14	20	14



SOLECTRIA RENEWABLES
WWW.SOLECTRIA.COM

PRODUCT: **PVI 50-100KW**

VIEW: FRONT, SIDE FACING ONLY

DOCUMENT: DOCR-070190 REV: B

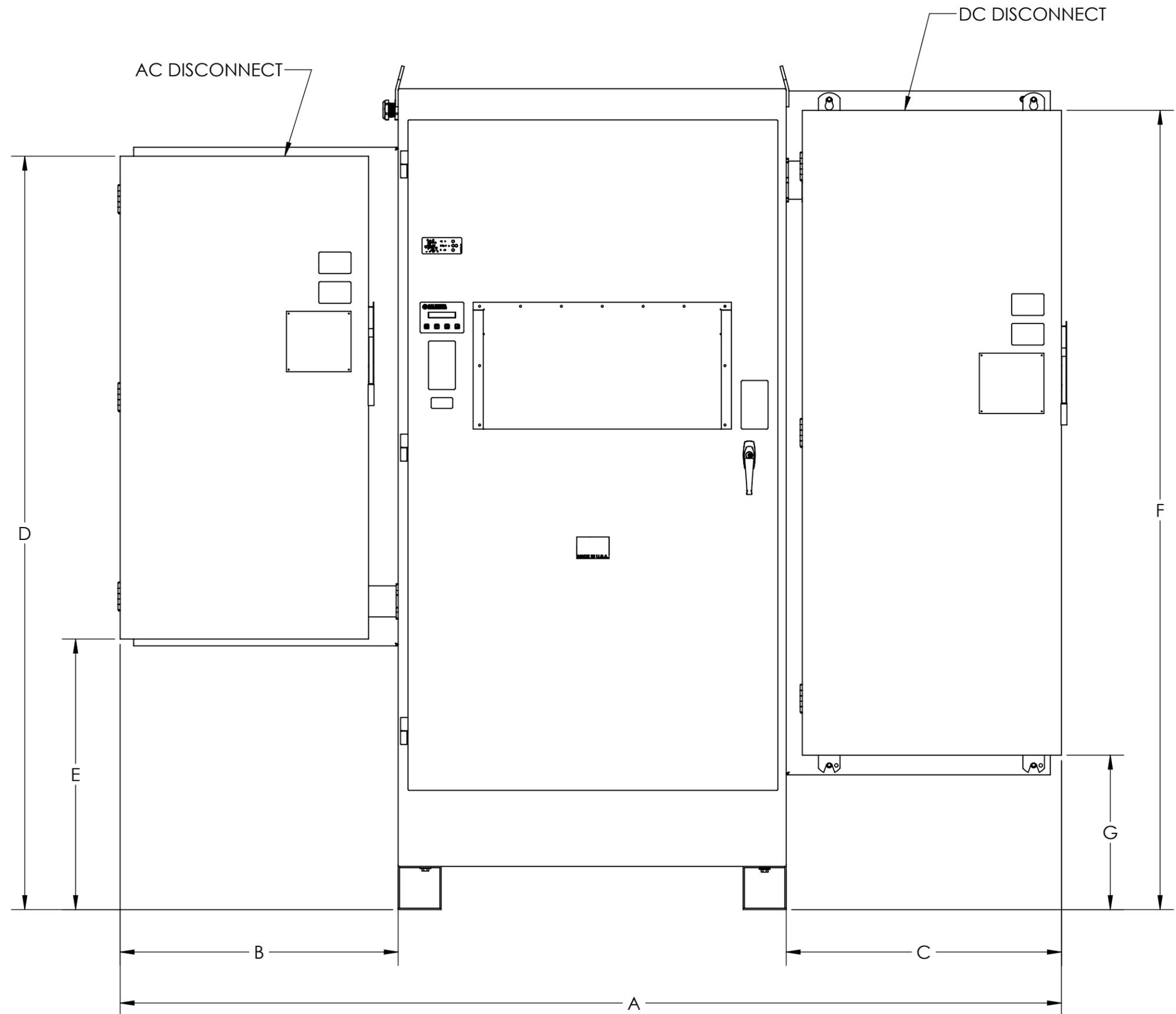
SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:10 SHEET 3 OF 18

FORWARD-FACING DISCONNECT DIMENSIONS				
AC DISCONNECT	200A	200A	400A	400A
DC DISCONNECT	400A	600A	400A	600A
A	79	80	87	88
B	19	19	26	26
C	25	26	25	26
D	72	72	70	70
E	44	44	25	25
F	74	74	74	74
G	20	14	20	14



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PRODUCT: **PVI 50-100KW**

VIEW: FRONT, FORWARD FACING ONLY

DOCUMENT: DOCR-070190 REV: B

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

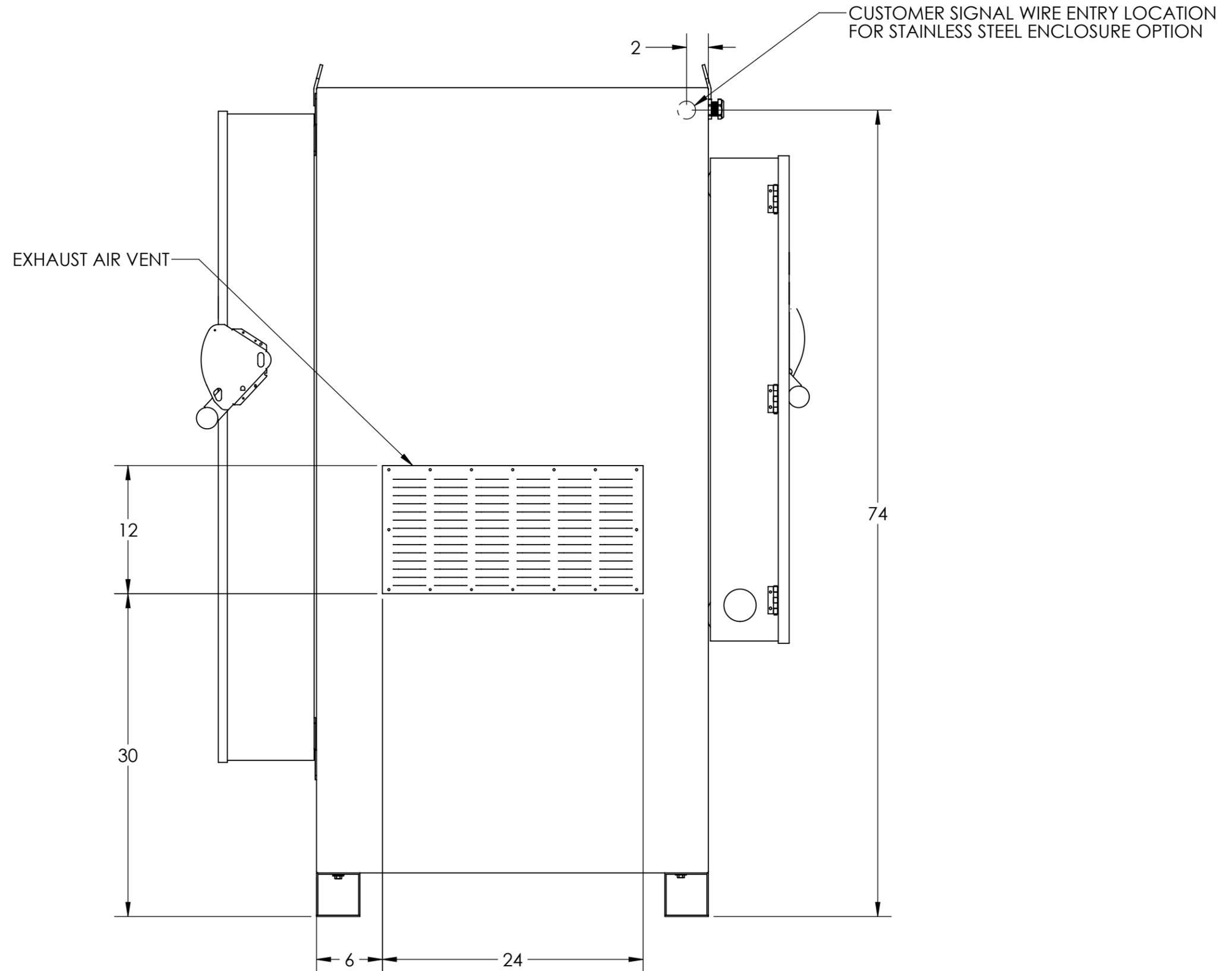
CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

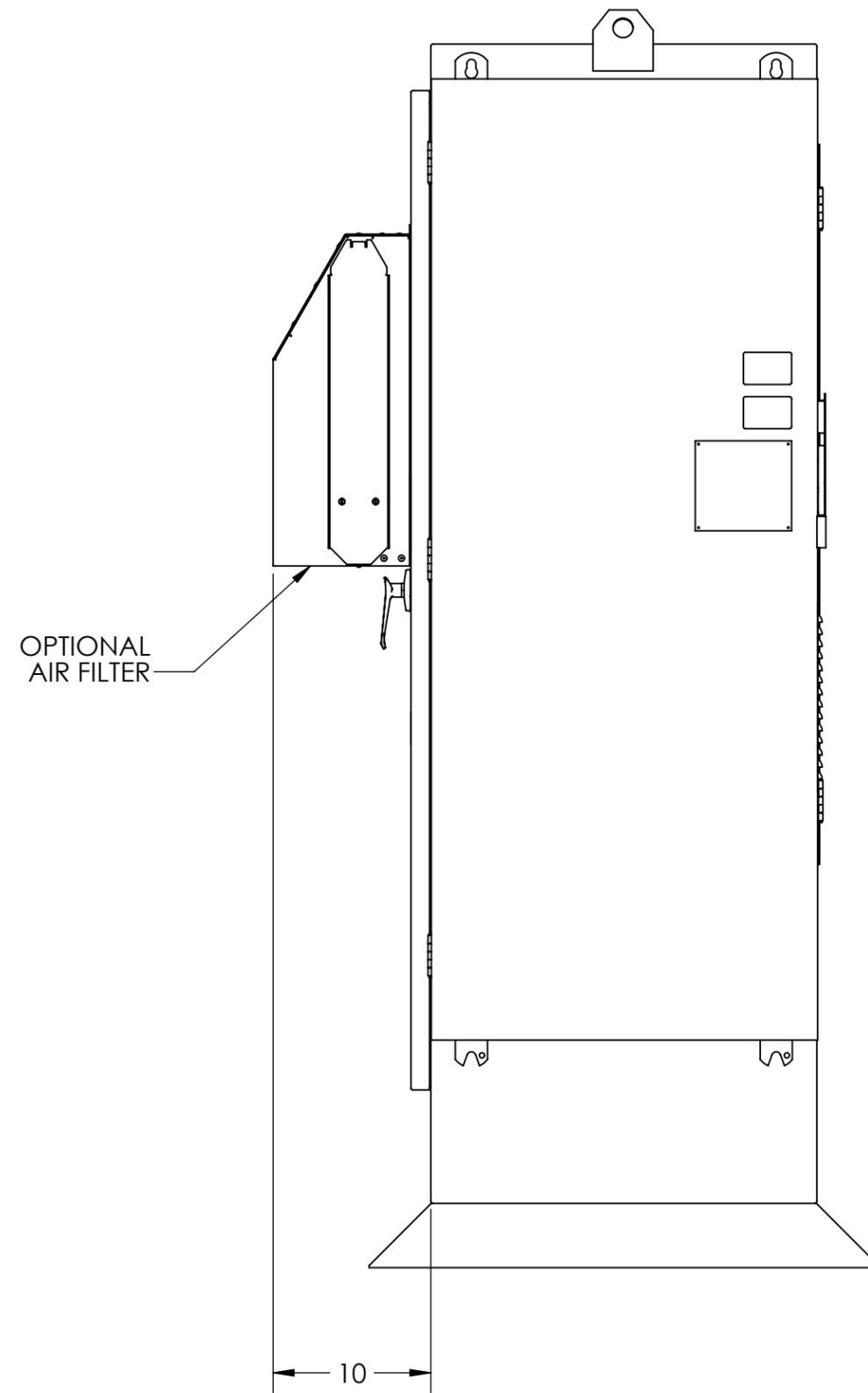
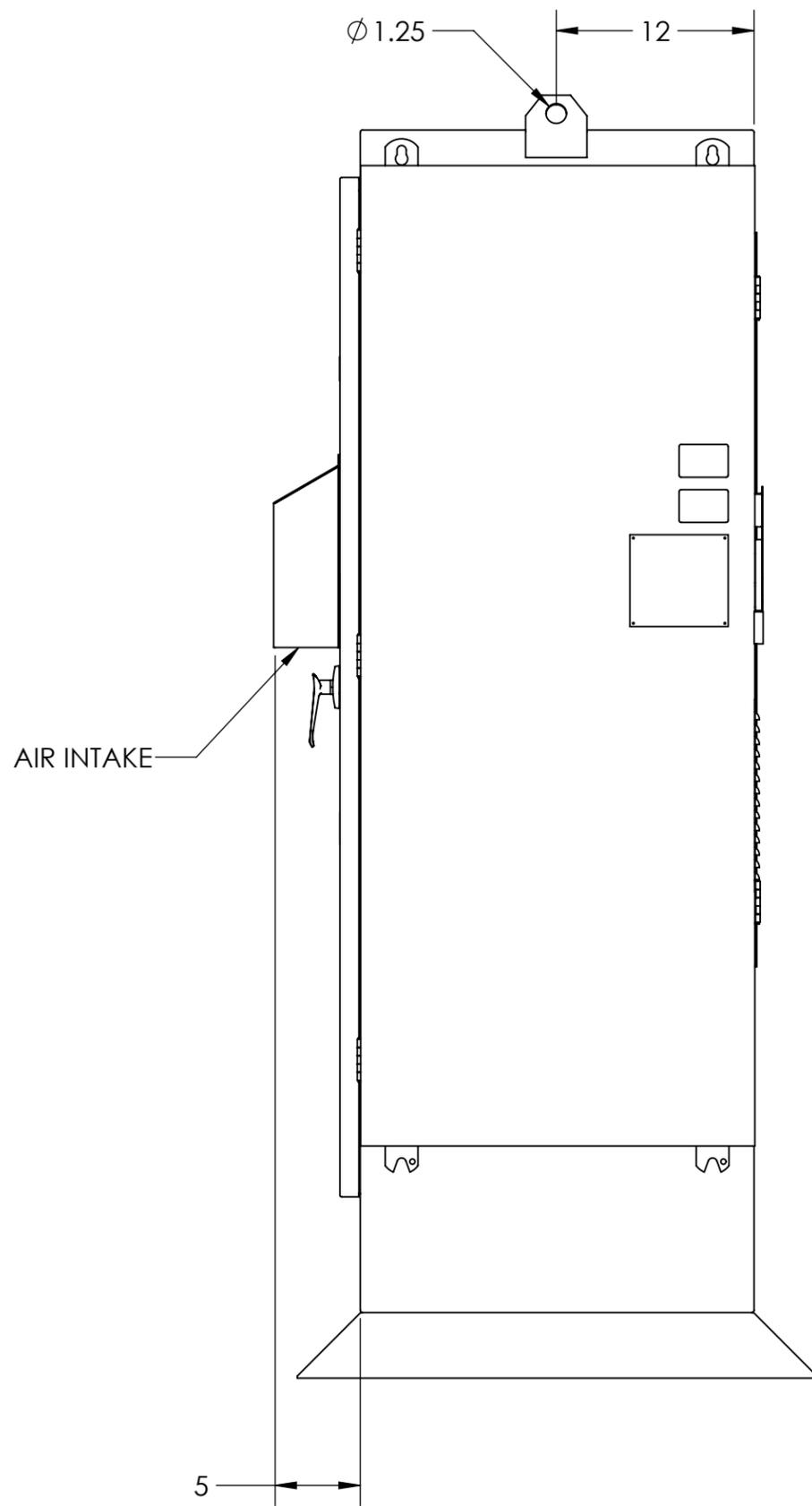
SCALE: 1:10 SHEET 4 OF 18

NOTES:

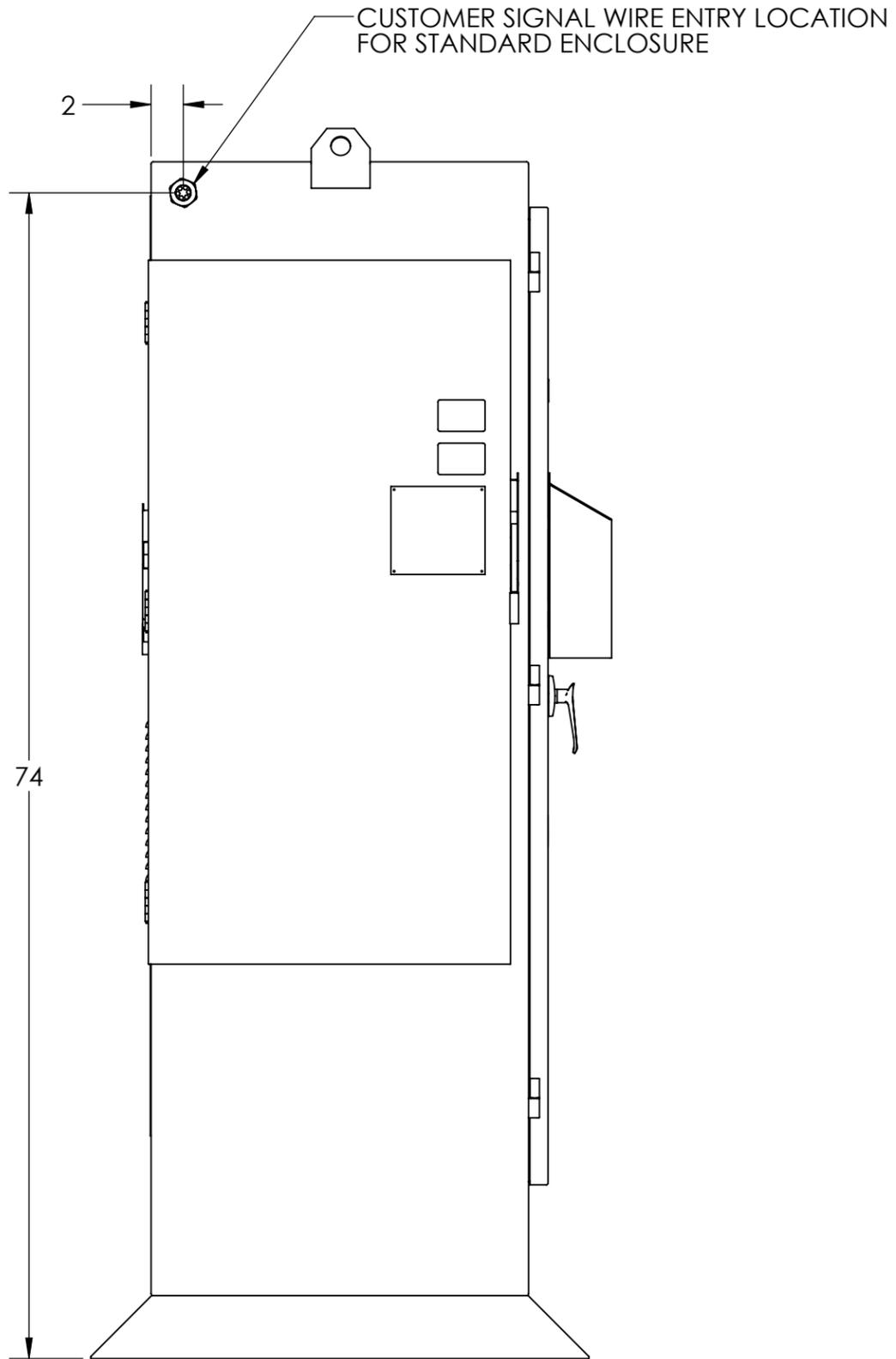
- 1. A MINIMUM DISTANCE OF 8 INCHES MUST BE CLEAR BEHIND THE INVERTER FOR COOLING AIR EXHAUST AND SERVICE ACCESS.



 WWW.SOLECTRIA.COM		
PRODUCT: PVI 50-100KW		
VIEW: REAR		
DOCUMENT: DOCR-070190	REV: B	
SIZE: B	ALL DIMENSIONS ARE IN INCHES	DO NOT SCALE
CUSTOMER INTERFACE DRAWING		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE: 1:10	SHEET 5 OF 18	



 SOLECTRIA RENEWABLES <small>WWW.SOLECTRIA.COM</small>		
PRODUCT: PVI 50-100KW		
VIEW: RIGHT		
DOCUMENT:	DOCR-070190	REV: B
SIZE: B	ALL DIMENSIONS ARE IN INCHES	DO NOT SCALE
CUSTOMER INTERFACE DRAWING		
<small>PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE</small>		
SCALE: 1:10	SHEET 6 OF 18	



PRODUCT: **PVI 50-100KW**

VIEW: **LEFT**

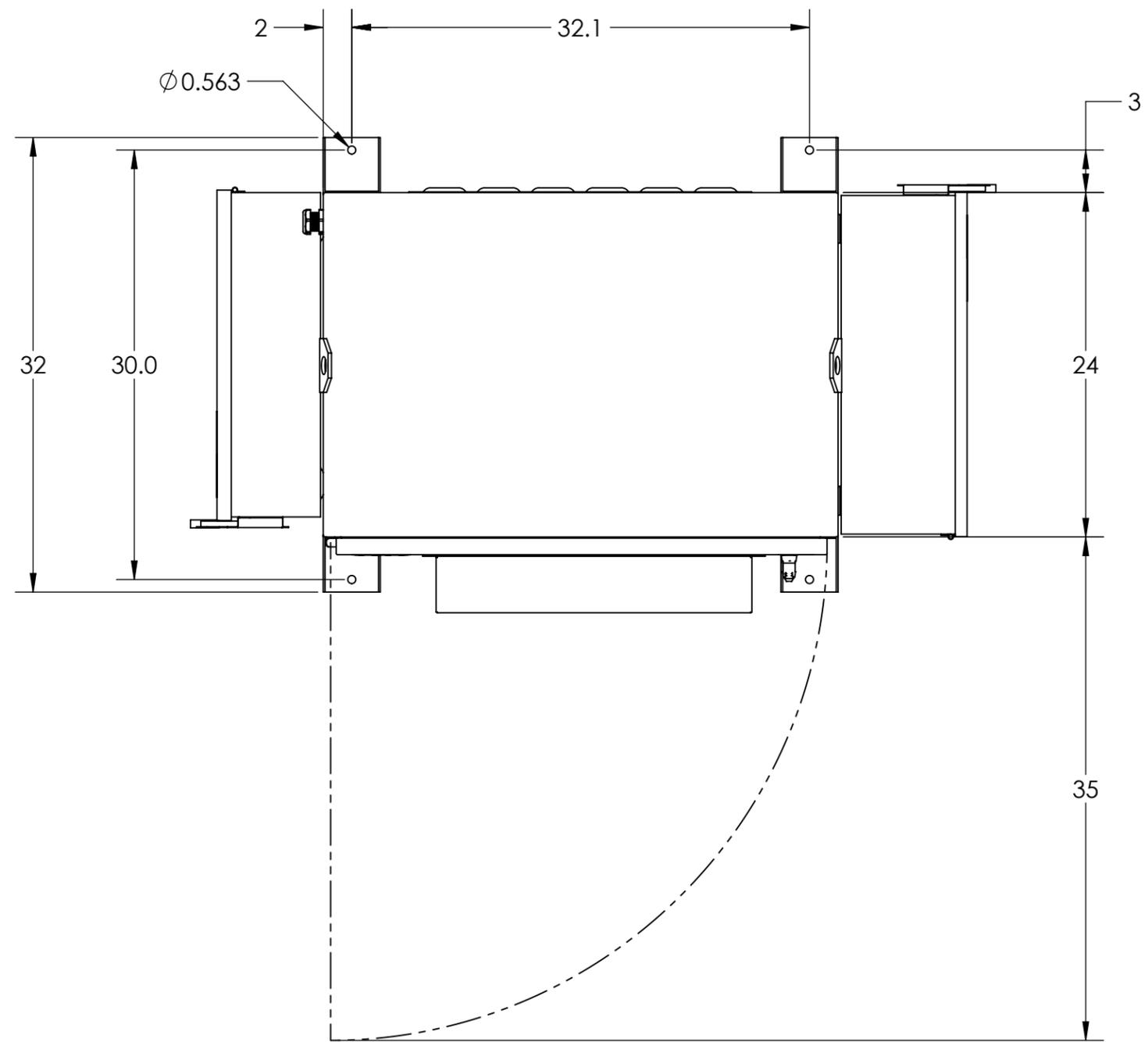
DOCUMENT: **DOCR-070190** REV: **B**

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

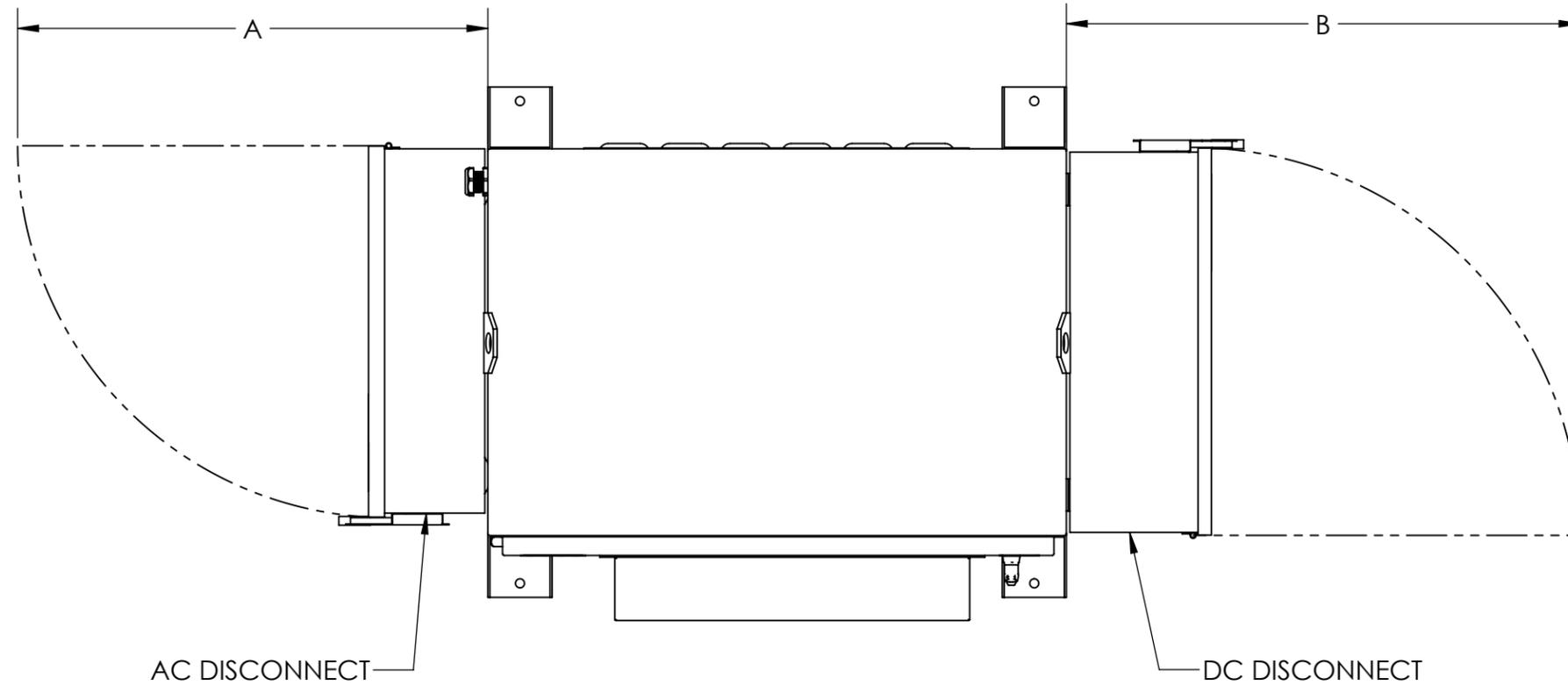
SCALE: 1:10 SHEET 7 OF 18



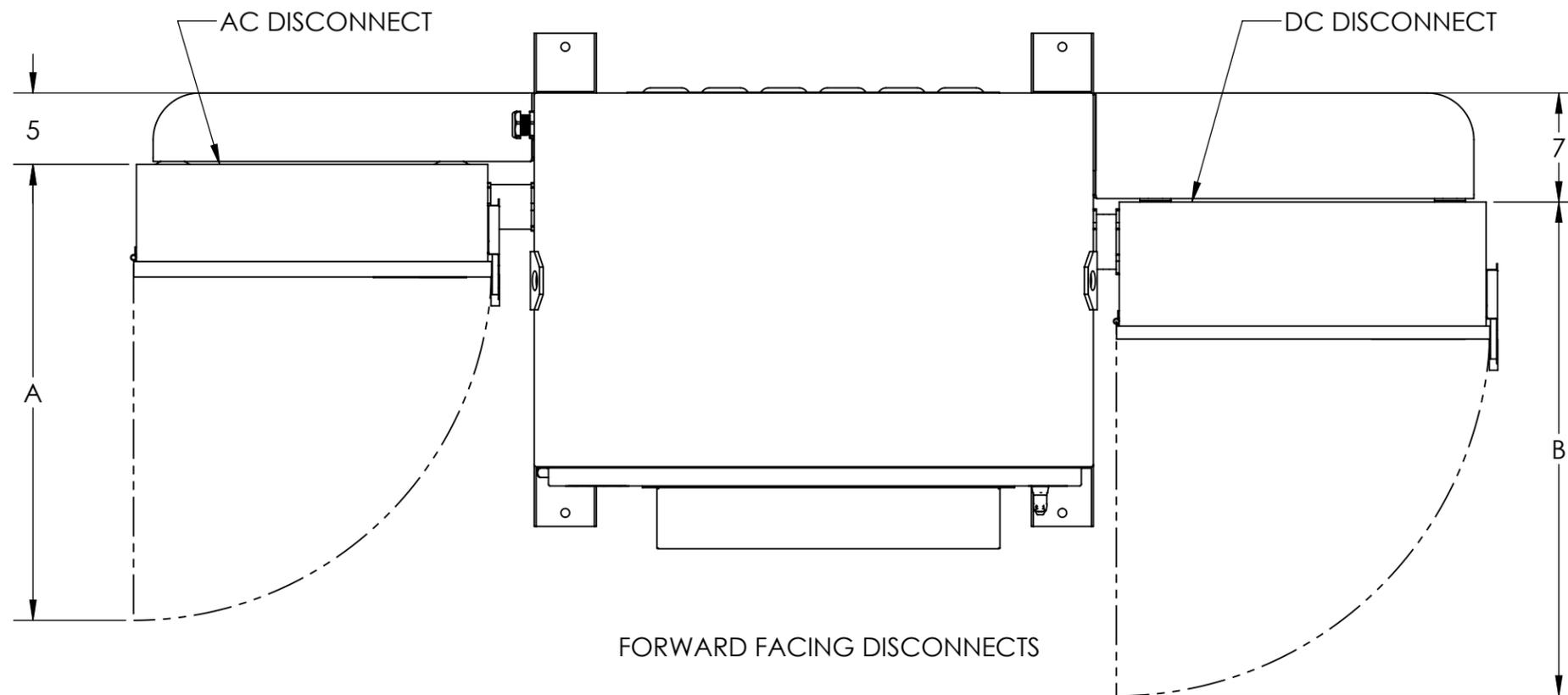
 WWW.SOLECTRIA.COM		
PRODUCT: PVI 50-100KW		
VIEW: TOP		
DOCUMENT:	DOCR-070190	REV: B
SIZE: B	ALL DIMENSIONS ARE IN INCHES	DO NOT SCALE
CUSTOMER INTERFACE DRAWING		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE: 1:10	SHEET 8 OF 18	

AC DISCONNECT	200A	400A
A	21	29

DC DISCONNECT	400A	600A
B	29	32



SIDE FACING DISCONNECTS



FORWARD FACING DISCONNECTS



PRODUCT: **PVI 50-100KW**

VIEW: **TOP**

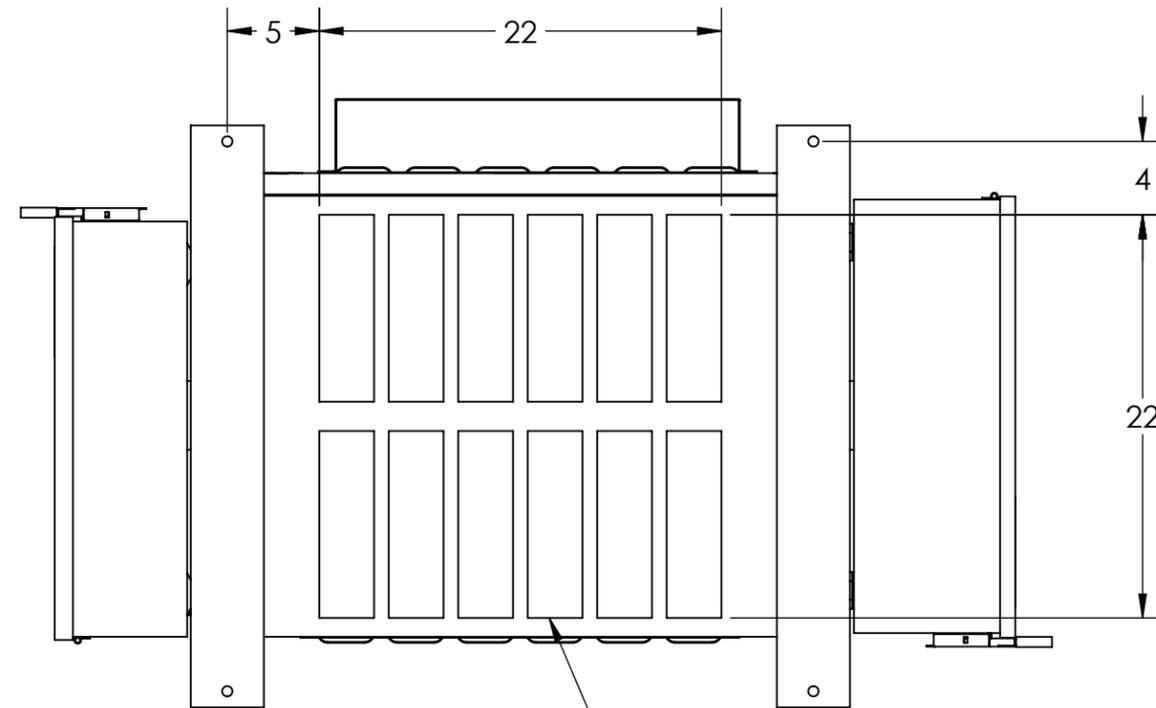
DOCUMENT: **DOCR-070190** REV: **B**

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:10 SHEET 9 OF 18



ADDITIONAL EXHAUST AIR VENTS



PRODUCT: **PVI 50-100KW**

VIEW: **BOTTOM**

DOCUMENT: **DOCR-070190** REV: **B**

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:10 SHEET 10 OF 18

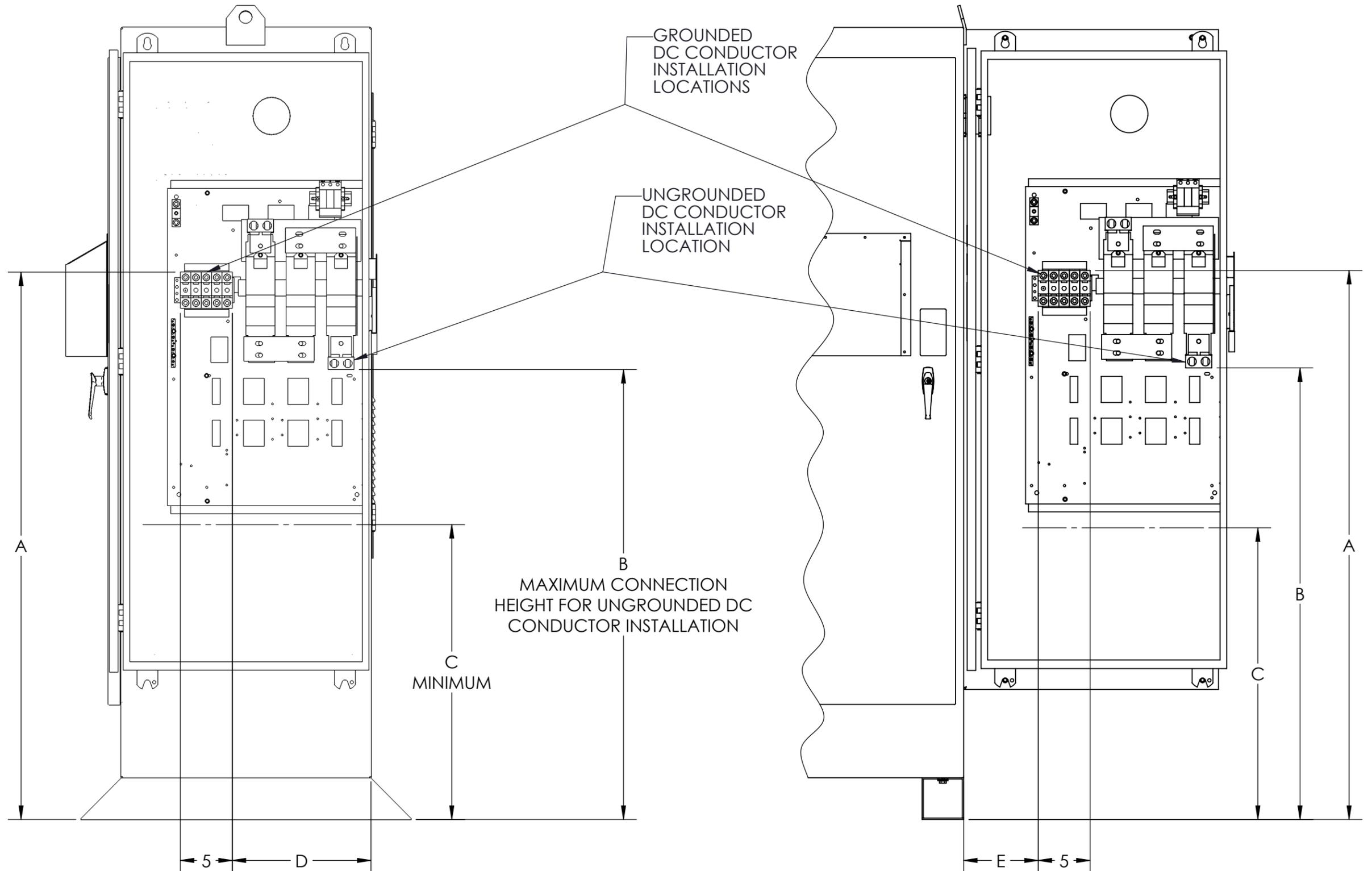
DC DISCONNECT	400A	600A
A	55	53
B	46	43
C	30	28
D	13	13
E	6	7

NOTES:

1. UNGROUNDED DC CONDUCTOR CONNECTIONS ARE DEPENDENT ON SELECTED INTEGRAL SUBCOMBINER. REFERENCE SOLECTRIA RENEWABLES PVI 50-100KW INSTALLATION AND OPERATION MANUAL FOR FURTHER REQUIREMENTS. MAXIMUM AND MINIMUM HEIGHTS FOR THESE CONNECTIONS ARE GIVEN BELOW.

DC DISCONNECT
SIDE FACING
(600A SHOWN)

DC DISCONNECT
FORWARD FACING
(600A SHOWN, CROPPED VIEW)



PRODUCT: **PVI 50-100KW**

VIEW: DC CONDUCTOR CONNECTIONS

DOCUMENT: DOCR-070190 REV: B

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

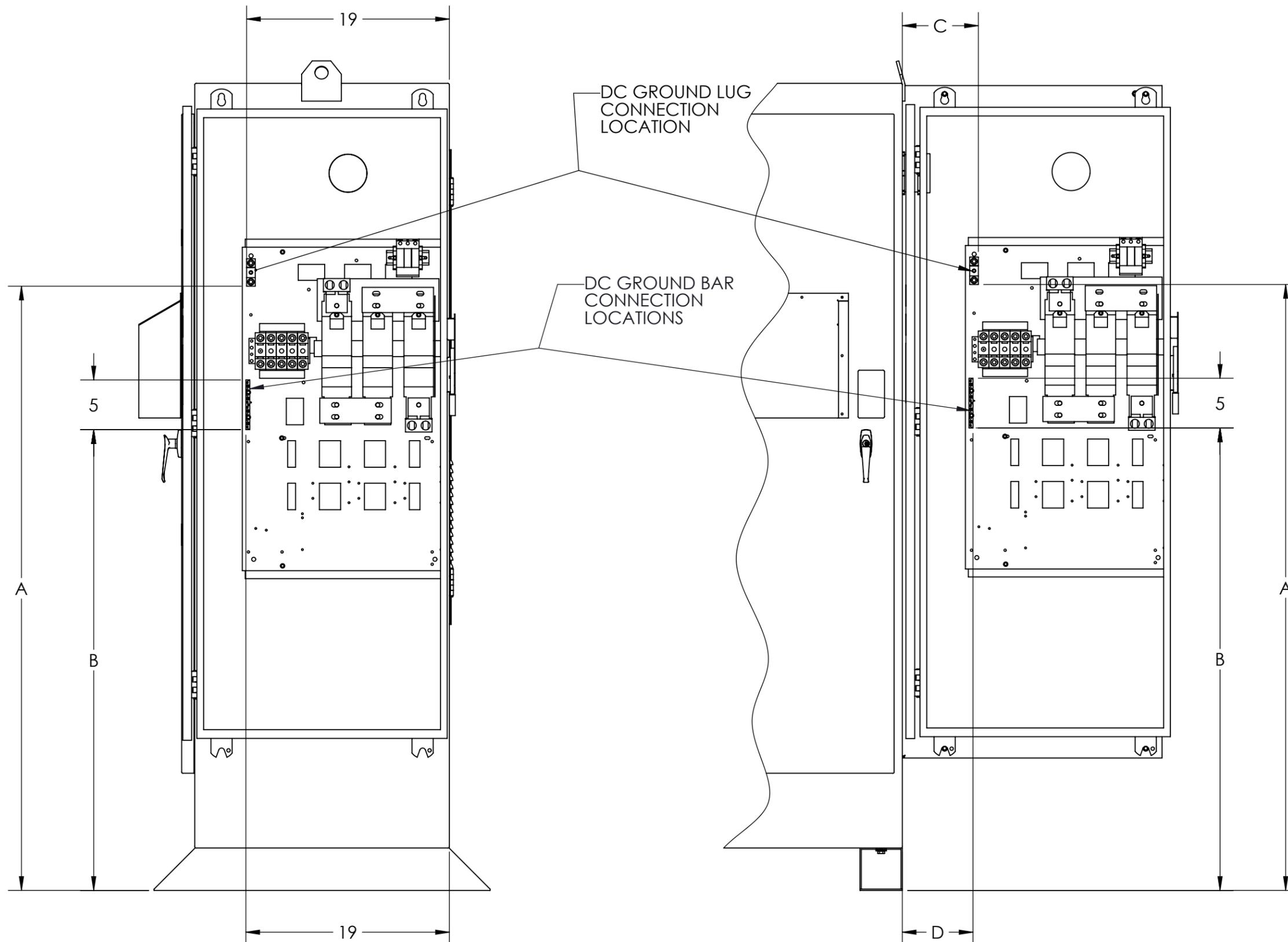
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:10 SHEET 11 OF 18

DC DISCONNECT	400A	600A
A	59	57
B	46	44
C	6	7
D	6	7

DC DISCONNECT
SIDE FACING
(600A SHOWN)

DC DISCONNECT
FORWARD FACING
(600A SHOWN, CROPPED VIEW)



PRODUCT: **PVI 50-100KW**

VIEW: DC GROUND CONNECTIONS

DOCUMENT: DOCR-070190 REV: B

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

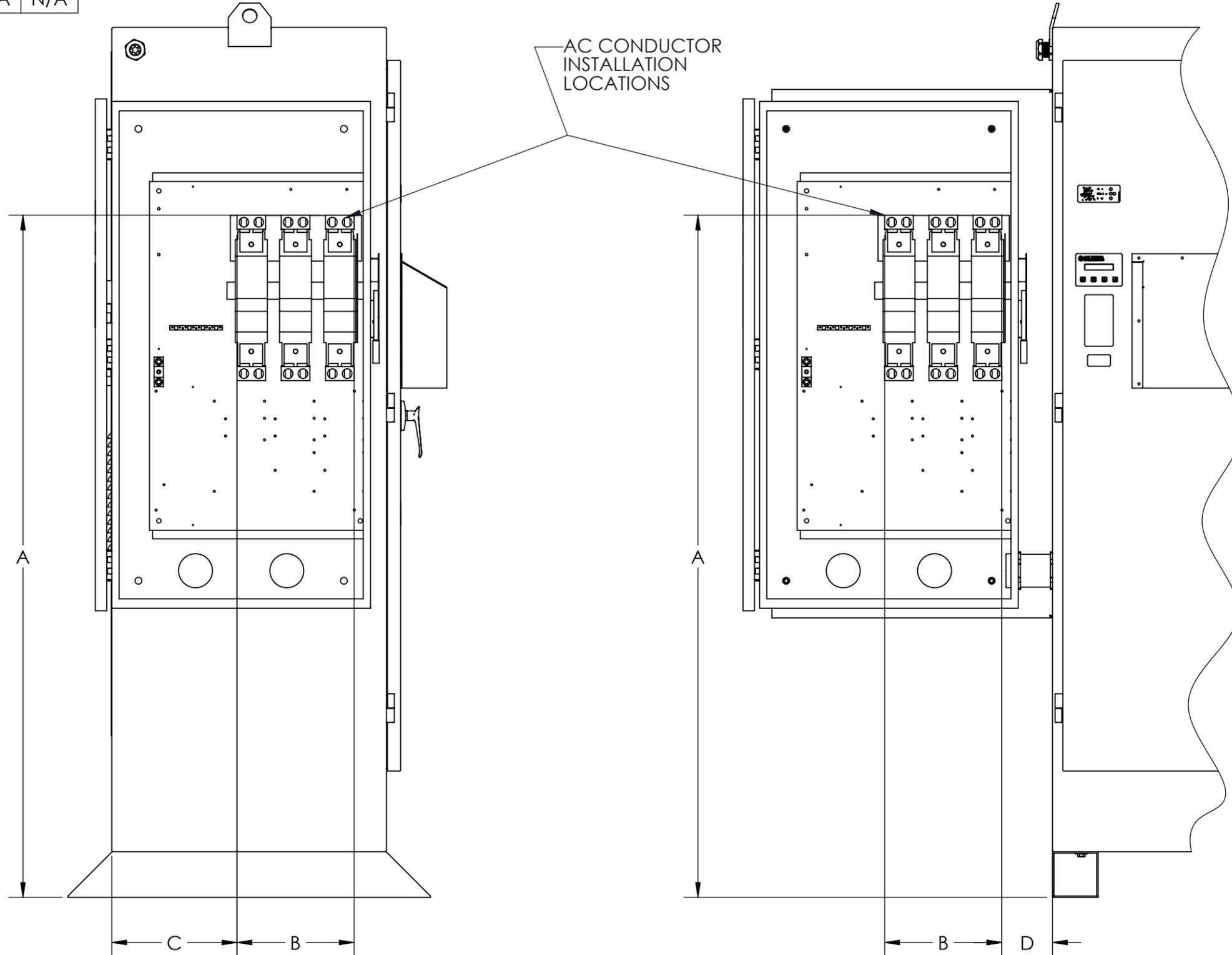
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:10 SHEET 12 OF 18

AC DISCONNECT	200A	400A	200A	400A
OPTION	STANDARD		STAINLESS STEEL	
A	65	60	63	60
B	7	10	7	10
C	8	11	10	12
D	6	4	N/A	N/A

AC DISCONNECT
SIDE FACING
(400A, UNFUSED SHOWN)

AC DISCONNECT
FORWARD FACING
(400A, UNFUSED SHOWN,
CROPPED VIEW)



PRODUCT: **PVI 50-100KW**

VIEW: AC CONDUCTOR CONNECTIONS

DOCUMENT: DOCR-070190 REV: B

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

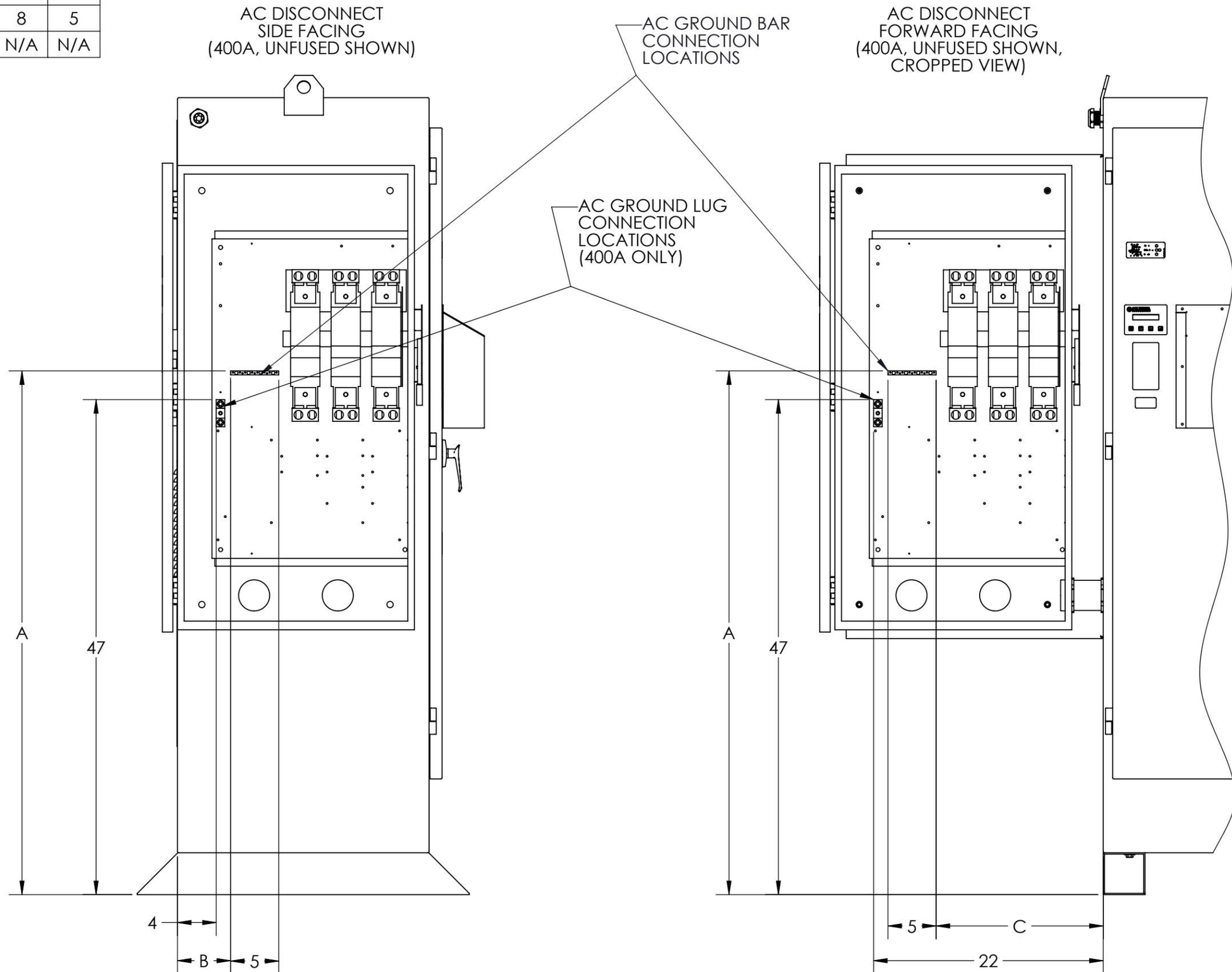
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:10 SHEET 13 OF 18

AC DISCONNECT	200A	400A	200A	400A
OPTION	STANDARD		STAINLESS STEEL	
A	61	50	60	50
B	3	5	8	5
C	14	16	N/A	N/A

NOTES:

1. AC GROUND LUG ONLY AVAILABLE FOR 400A AC DISCONNECT. BOTH 200A AND 400A AC DISCONNECTS HAVE GROUND BAR SHOWN.
2. AC GROUND BAR FOR 200A STAINLESS STEEL DISCONNECT IS ORIENTED VERTICALLY.



PRODUCT: **PVI 50-100KW**

VIEW: AC GROUND CONNECTIONS

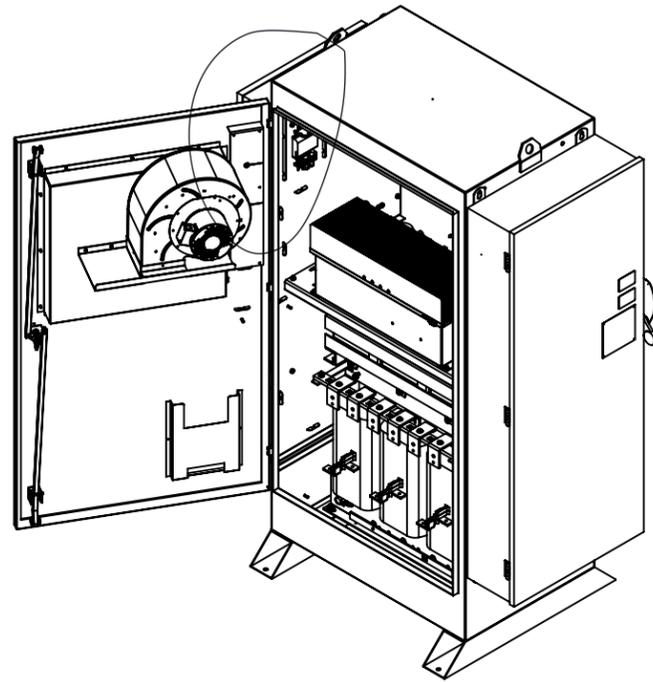
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SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

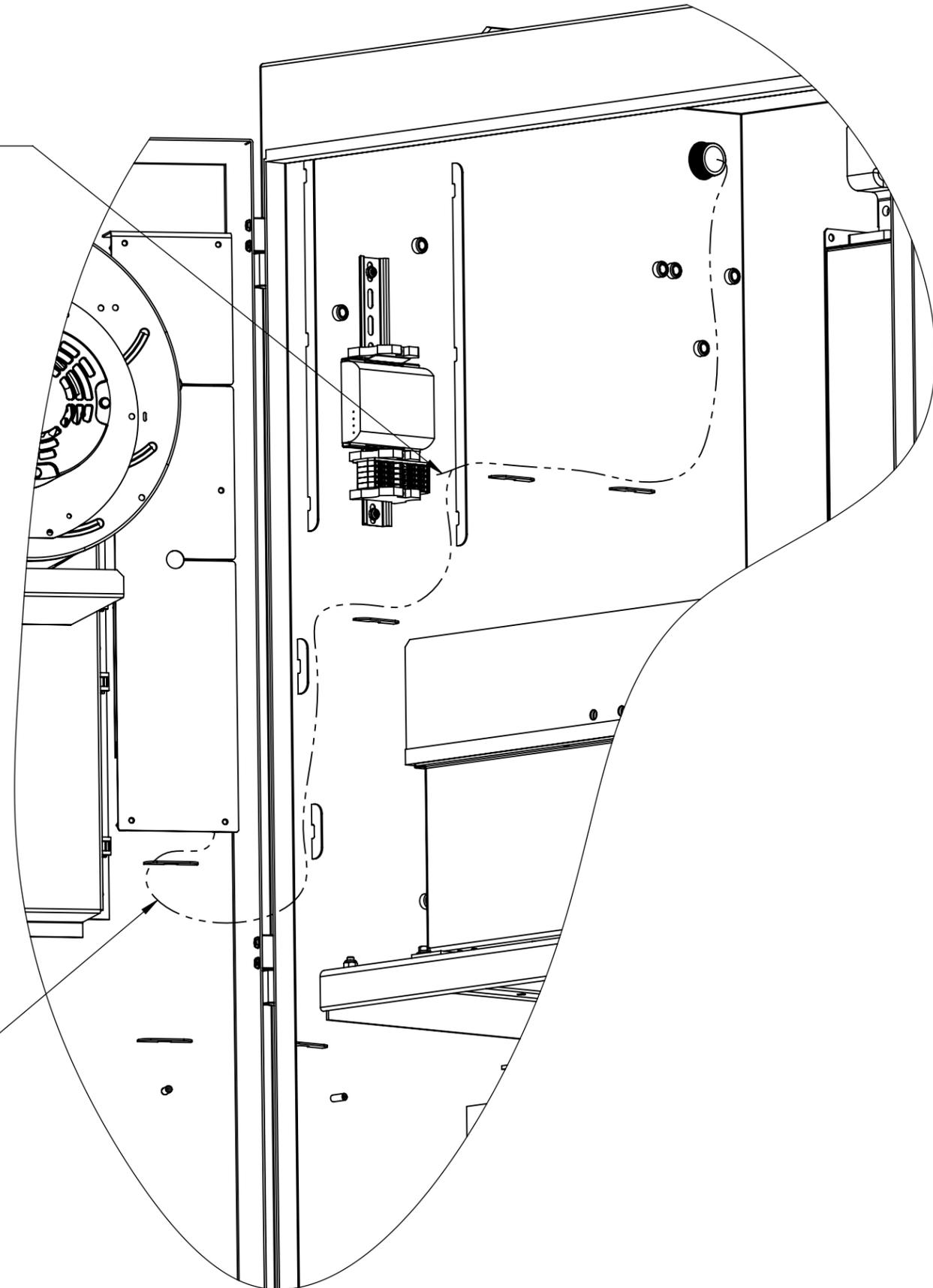
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SCALE: 1:10 SHEET 14 OF 18



GENERAL ROUTING LOCATION
FOR SIGNAL WIRE CONNECTIONS

- REMOTE SHUTDOWN
- OPTIONAL SOLREVIEW AIR
- OPTIONAL REVENUE GRADE METER



GENERAL ROUTING LOCATION
FOR SIGNAL WIRE CONNECTIONS

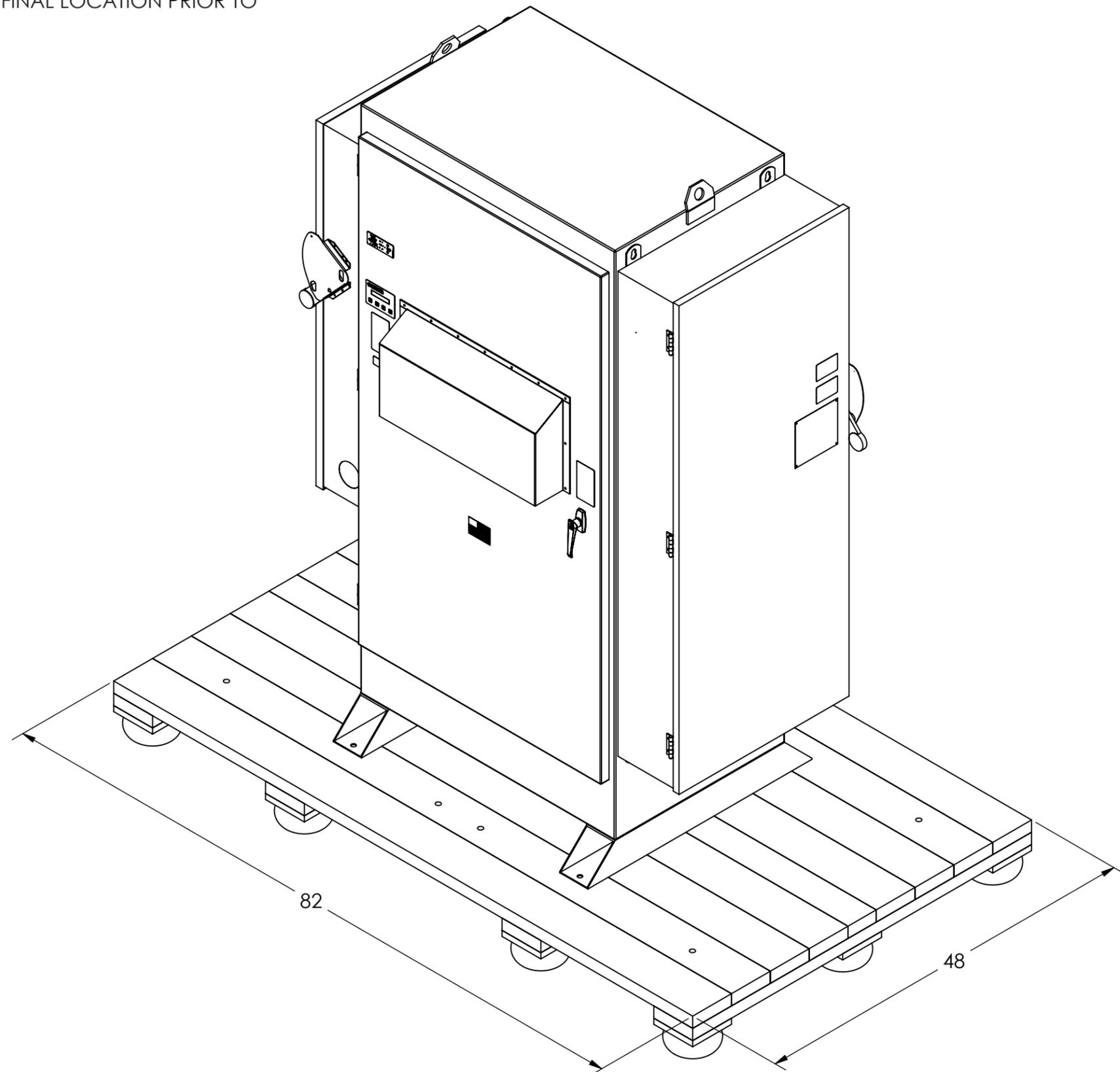
- RS 485
- OPTIONAL SOLREVIEW



PRODUCT: PVI 50-100KW		
VIEW: SIGNAL WIRE ROUTING LOCATION		
DOCUMENT: DOCR-070190	REV: B	
SIZE: B	ALL DIMENSIONS ARE IN INCHES	DO NOT SCALE
CUSTOMER INTERFACE DRAWING		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE: 1:5	SHEET 15 OF 18	

NOTES:

1. THE INVERTER IS SHIPPED ON AN OVERSIZED SHIPPING PALLET. IT IS RECOMMENDED TO KEEP THE INVERTER SECURED TO THE PALLET AND MOVED AS CLOSE AS POSSIBLE TO THE FINAL LOCATION PRIOR TO REMOVING THE PALLET.



PRODUCT: **PVI 50-100KW**

VIEW: AS SHIPPED ISOMETRIC
SIDE FACING ONLY

DOCUMENT: DOCR-070190 REV: B

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

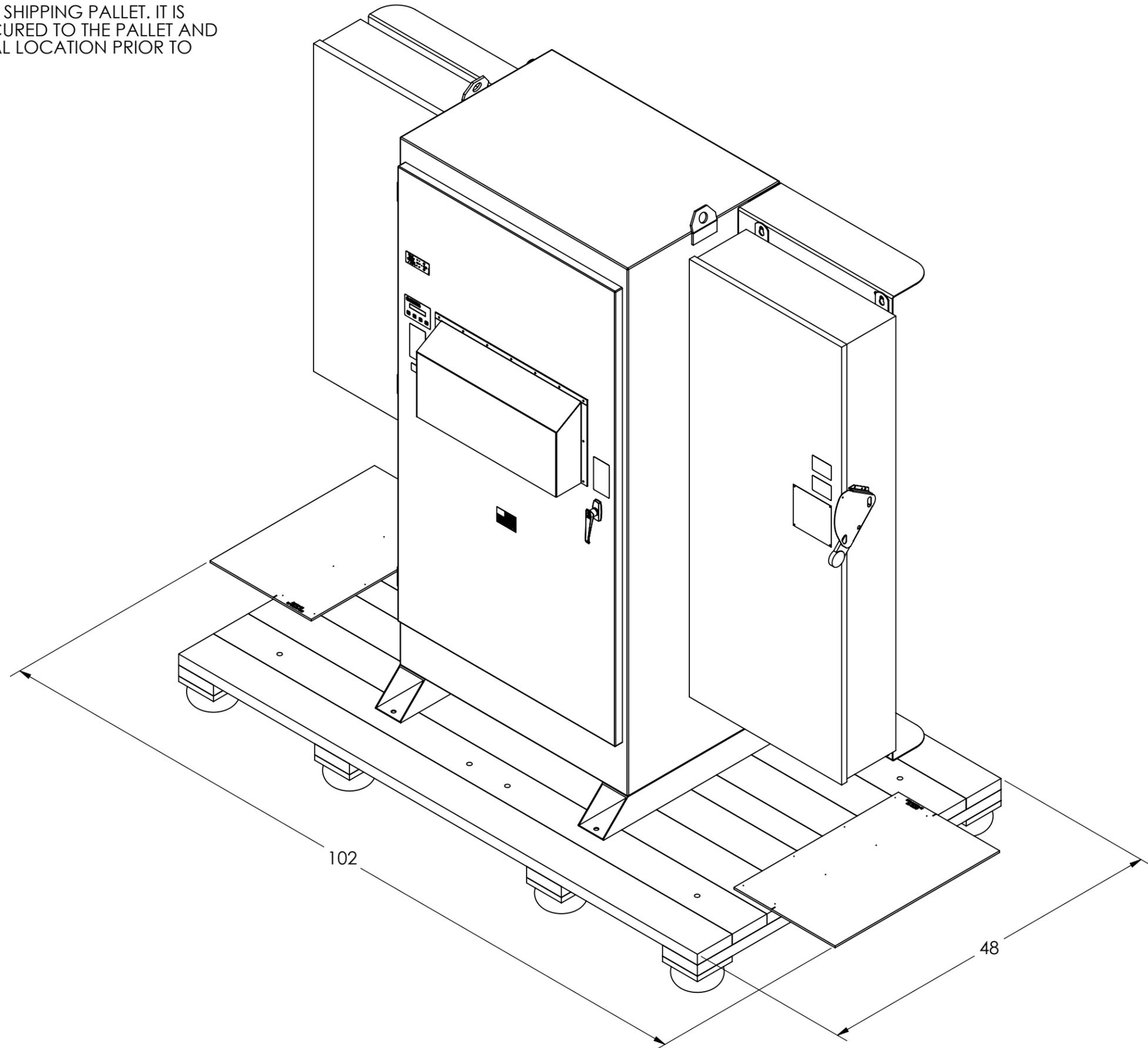
CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:12 SHEET 16 OF 18

NOTES:

1. THE INVERTER IS SHIPPED ON AN OVERSIZED SHIPPING PALLET. IT IS RECOMMENDED TO KEEP THE INVERTER SECURED TO THE PALLET AND MOVED AS CLOSE AS POSSIBLE TO THE FINAL LOCATION PRIOR TO REMOVING THE PALLET.



PRODUCT: **PVI 50-100KW**

VIEW: AS SHIPPED ISOMETRIC
FORWARD FACING ONLY

DOCUMENT: DOCR-070190 REV: B

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

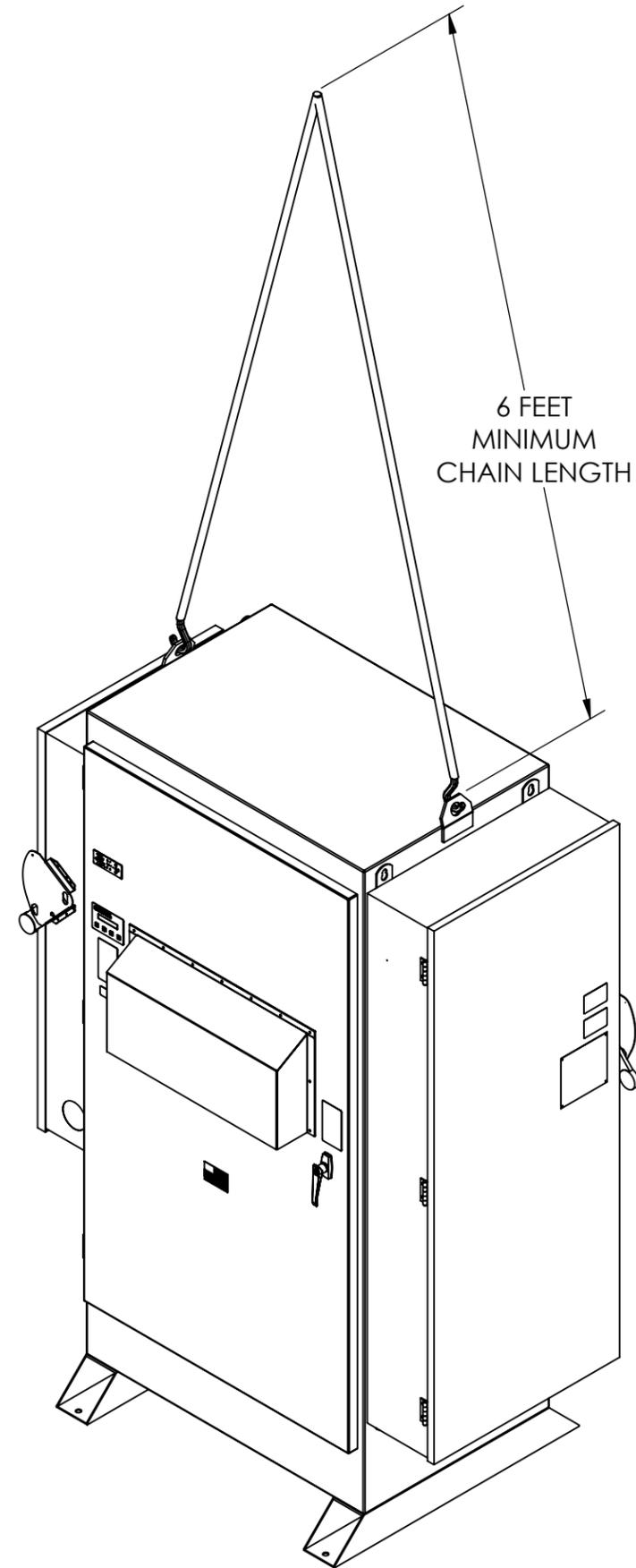
CUSTOMER INTERFACE DRAWING

PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:12 SHEET 17 OF 18

NOTES:

1. RECOMMENDED SINGLE POINT LIFTING METHOD SHOWN. SEE SOLECTRIA RENEWABLES PVI 50-100KW INSTALLATION AND OPERATION MANUAL FOR PREFERRED LIFTING METHODS.
2. REFERENCE SOLECTRIA RENEWABLES PVI 50-100KW INSTALLTION AND OPERATION MANUAL FOR FURTHER LIFTING AND INSTALLATION REQUIREMENTS.



PRODUCT: **PVI 50-100KW**

VIEW: RECOMMENDED RIGGING FOR CRANE LIFTING

DOCUMENT: DOCR-070190 REV: B

SIZE: **B** ALL DIMENSIONS ARE IN INCHES DO NOT SCALE

CUSTOMER INTERFACE DRAWING

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SCALE: 1:15 SHEET 18 OF 18