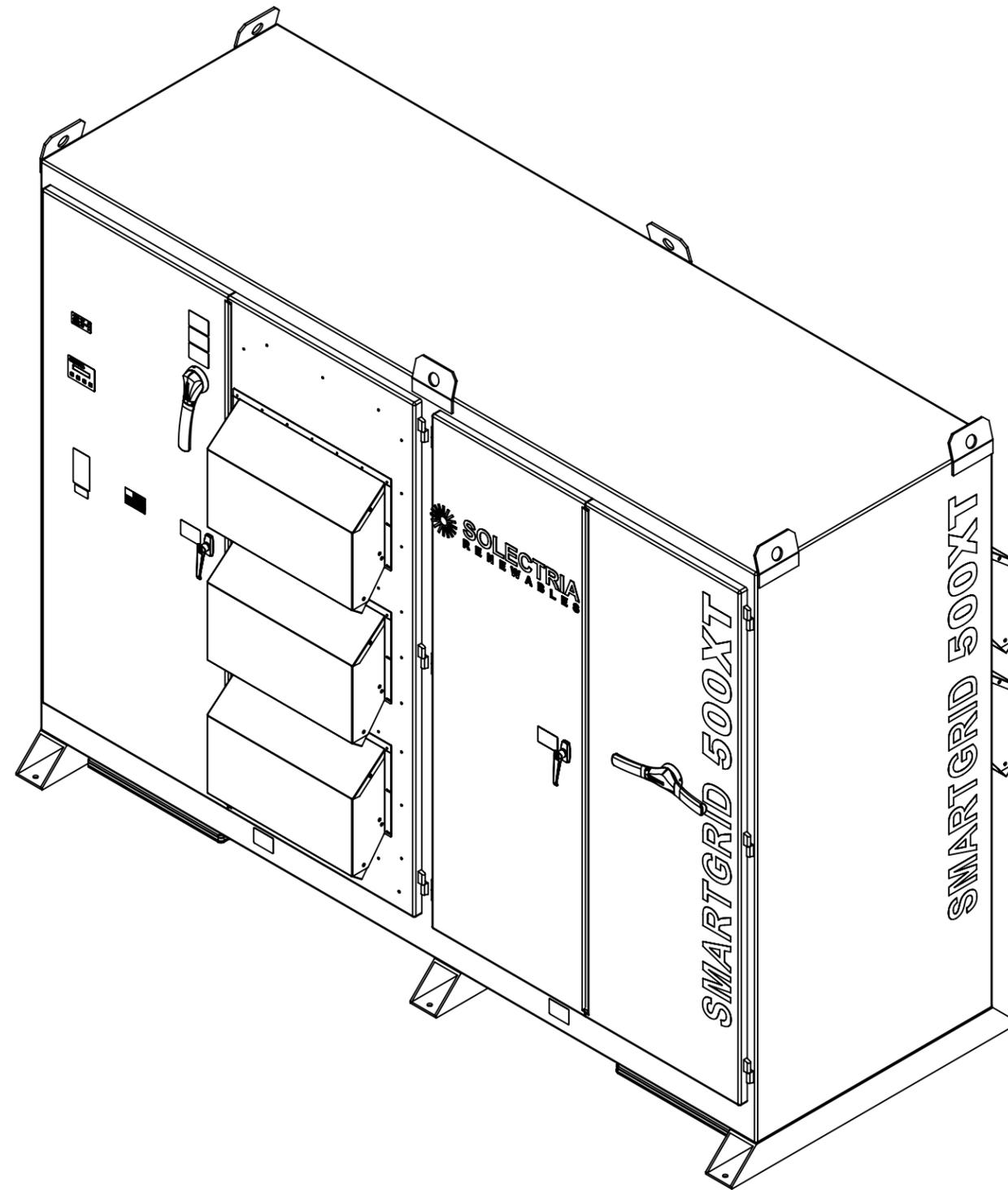


APPROX. PRODUCT MASS		
INSTALLED MASS:	3200	LBS
SHIPPING MASS:	3410	LBS

REVISIONS				
REV	EC#	DESCRIPTION	DRAWN	DATE
A	489	• INITIAL RELEASE	A. FITZPATRICK	3/26/2013
B	1388	• NEW REVISION OF AIR INTAKE SHROUDS • ADDED SHROUDS TO EXHAUST	A. MARINELLA	4/14/2015

**NOTES:**

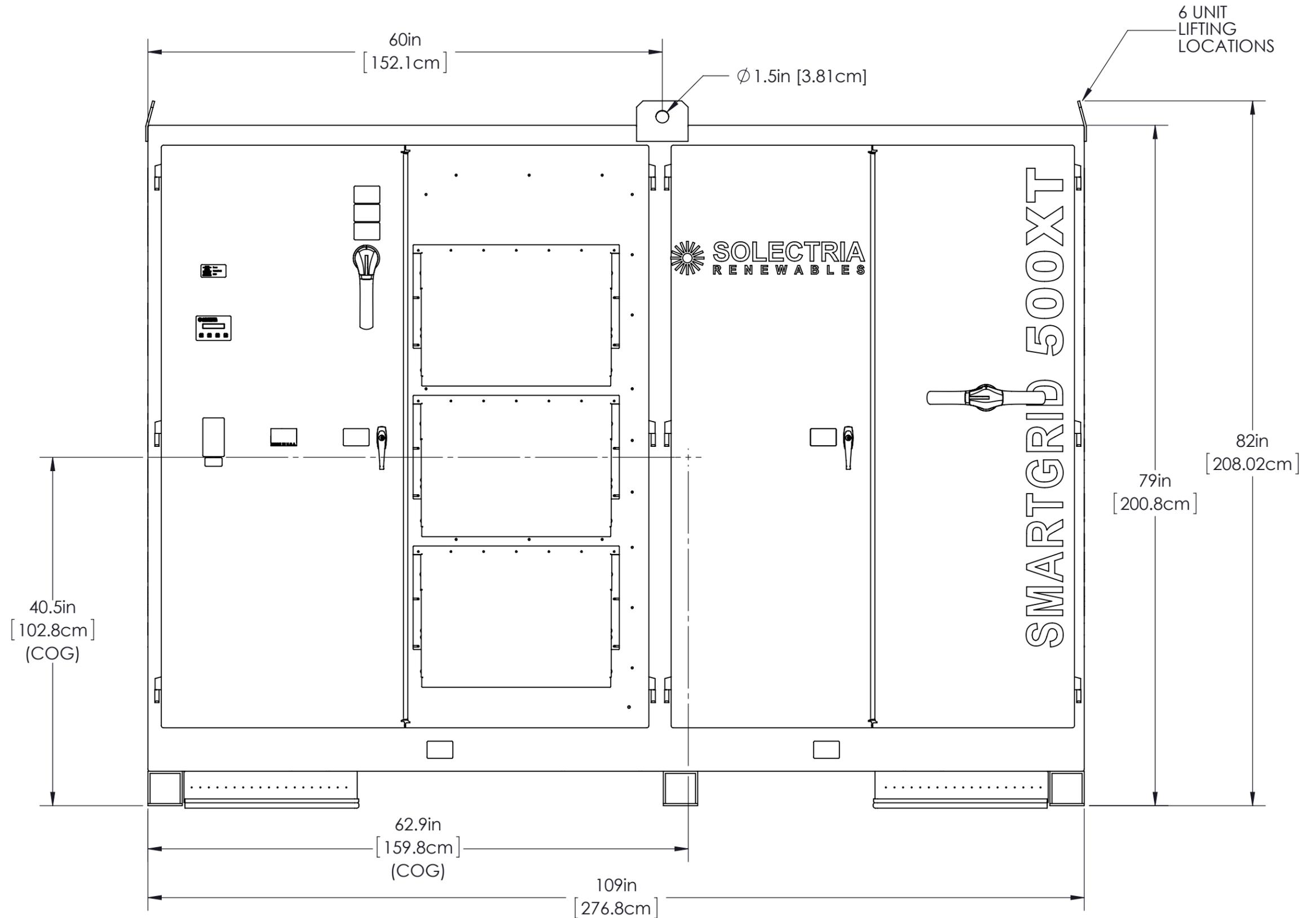
1. SEE SOLECTRIA RENEWABLES SGI 500XT INSTALLATION AND OPERATION MANUAL FOR FURTHER INSTALLATION REQUIREMENTS.
2. CUSTOMER INTERFACE DRAWING SHEETS INCLUDE:
  1. FRONT ISOMETRIC
  2. FRONT
  3. REAR
  4. RIGHT
  5. LEFT
  6. TOP
  7. BOTTOM
  8. DC CONDUCTOR CONNECTIONS
  9. DC GROUND CONNECTIONS
  10. AC CONDUCTOR CONNECTIONS
  11. AC CONDUCTOR CONNECTIONS WITH OPTIONAL AC BREAKER OR DISCONNECT
  12. AC GROUND CONNECTIONS
  13. SIGNAL WIRE ROUTING LOCATIONS
  14. AS SHIPPED ISOMETRIC
  15. RECOMMENDED RIGGING AND LIFTING METHODS



<b>YASKAWA</b>		
<b>SOLECTRIA SOLAR</b>		
PRODUCT:	<b>SGI 500XT</b>	
VIEW:	FRONT ISOMETRIC	
DOCUMENT:	DOCR-070160	REV: B
SIZE:	<b>B</b> DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN cm	DO NOT SCALE
<b>CUSTOMER INTERFACE DRAWING</b>		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE:	1:16	SHEET 1 OF 15

**NOTES:**

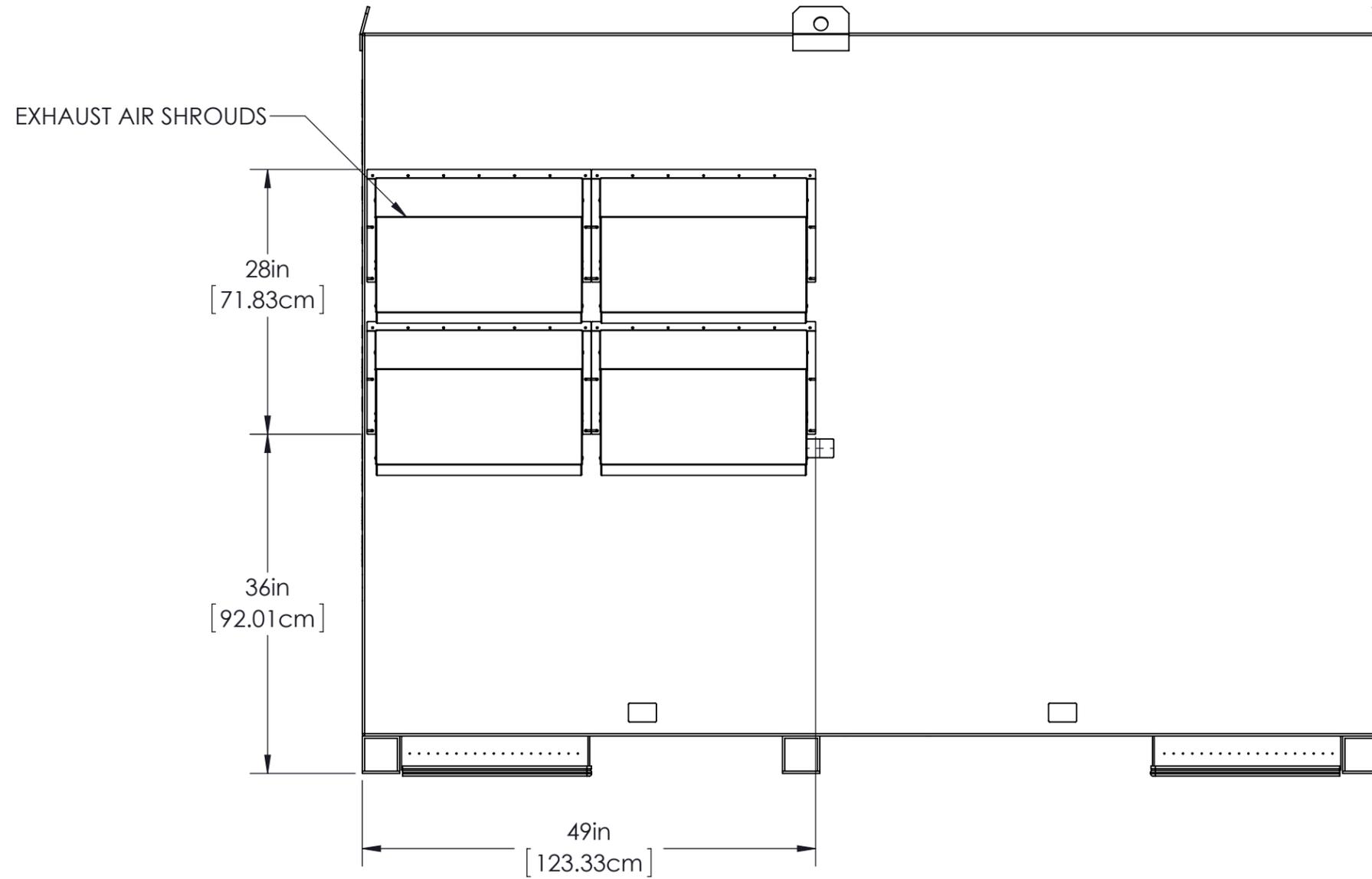
1. DIMENSIONS INDICATED BY (COG) SHOW APPROXIMATE LOCATION OF THE INVERTER CENTER OF GRAVITY.



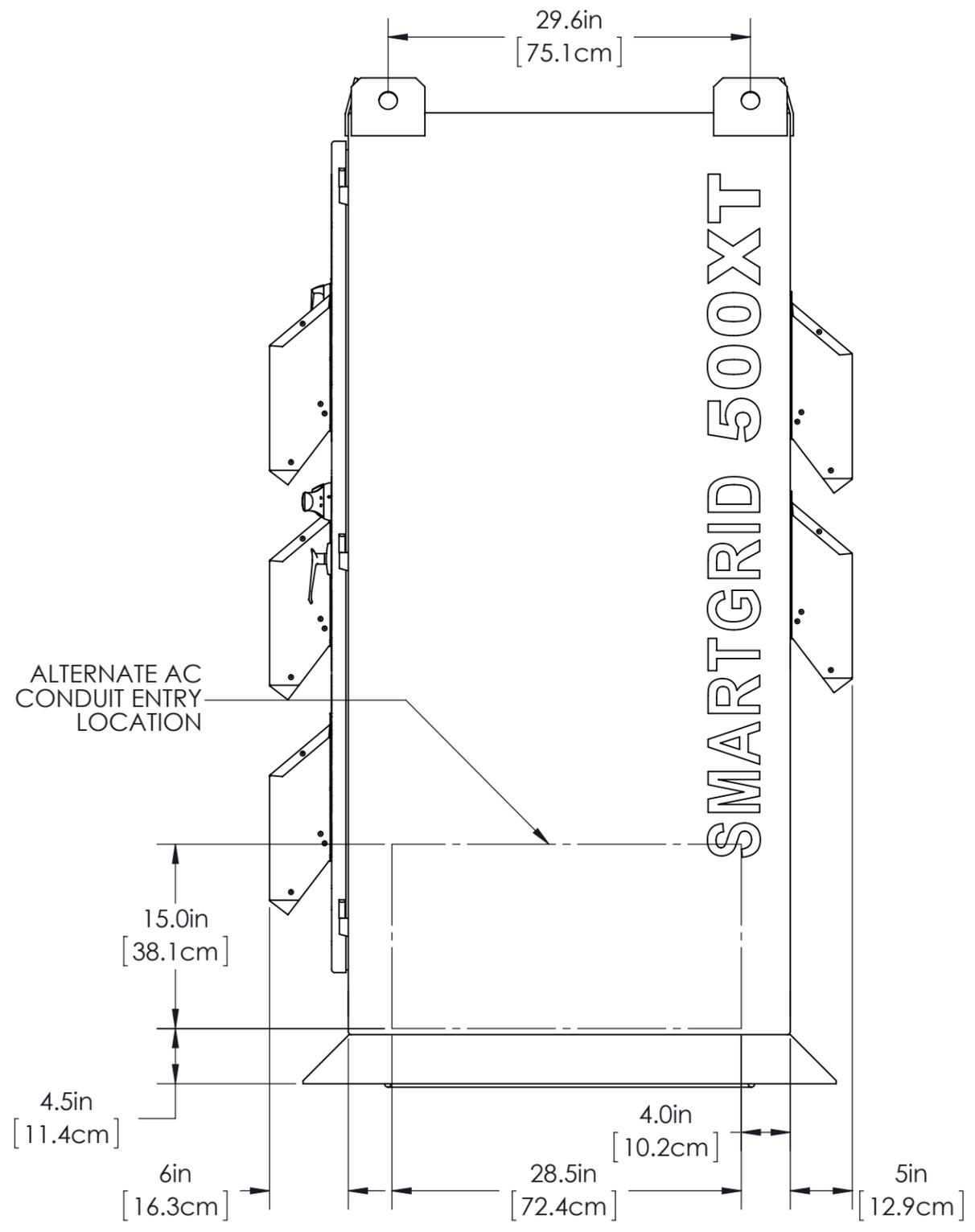
<b>YASKAWA</b>		
<b>SOLECTRIA SOLAR</b>		
PRODUCT:	<b>SGI 500XT</b>	
VIEW:	FRONT	
DOCUMENT:	DOCR-070160	REV: B
SIZE:	<b>B</b> DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN cm	DO NOT SCALE
<b>CUSTOMER INTERFACE DRAWING</b>		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE:	1:12	SHEET 2 OF 15

**NOTES:**

1. A MINIMUM OF DISTANCE OF 18 INCHES MUST BE CLEAR BEHIND THE INVERTER FOR COOLING AIR EXHAUST AND SERVICE ACCESS.



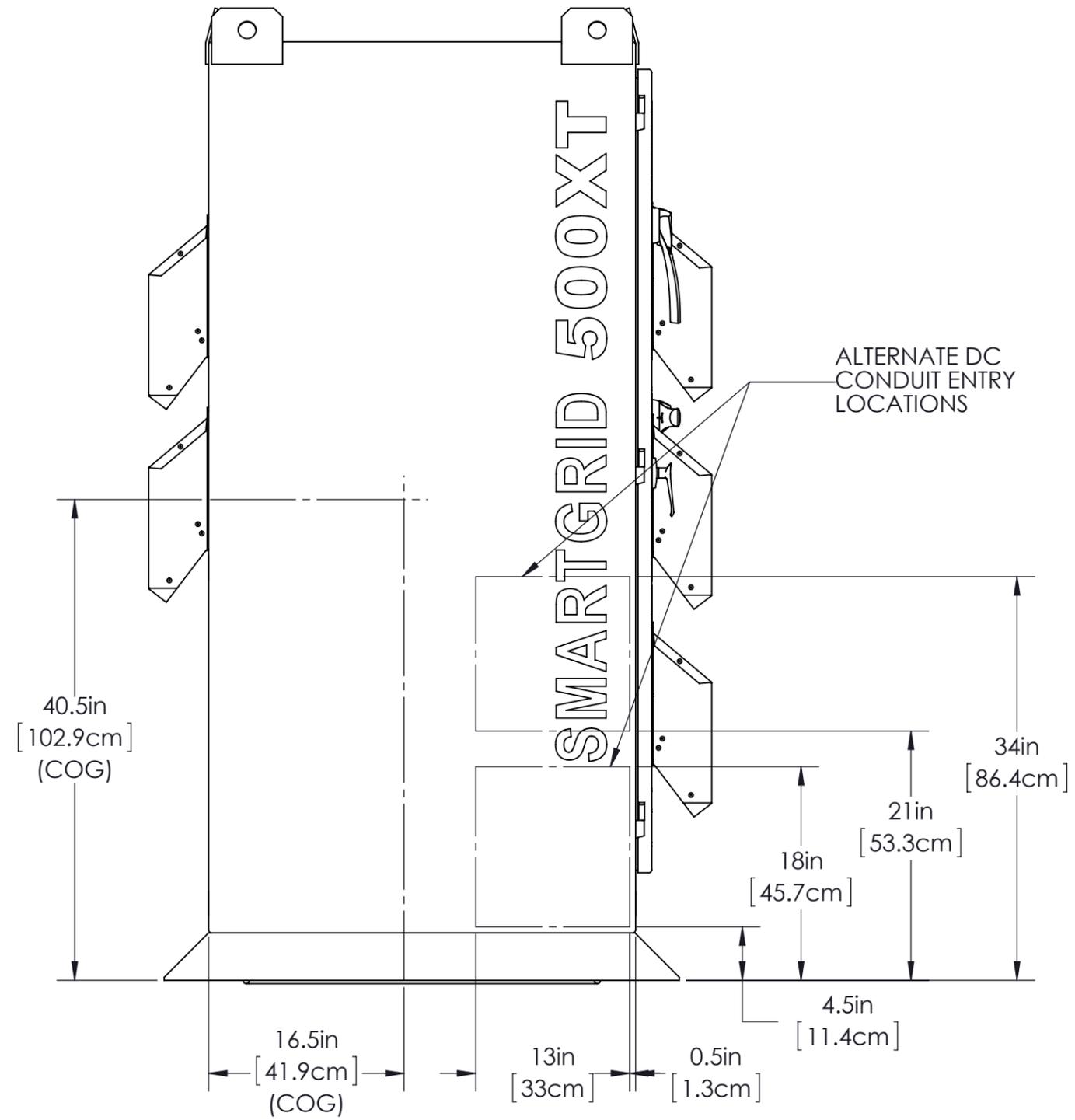
<b>YASKAWA</b>		
<b>SOLECTRIA SOLAR</b>		
PRODUCT:	<b>SGI 500XT</b>	
VIEW:	REAR	
DOCUMENT:	DOCR-070160	REV: B
SIZE:	<b>B</b> DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN cm	DO NOT SCALE
<b>CUSTOMER INTERFACE DRAWING</b>		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE:	1:15	SHEET 3 OF 15



<b>YASKAWA</b>		
<b>SOLECTRIA SOLAR</b>		
PRODUCT:	<b>SGI 500XT</b>	
VIEW:	RIGHT	
DOCUMENT:	DOCR-070160	REV: B
SIZE:	<b>B</b> DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN cm	DO NOT SCALE
<b>CUSTOMER INTERFACE DRAWING</b>		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE:	1:12	SHEET 4 OF 15

**NOTES:**

1. DIMENSIONS INDICATED BY (COG) SHOW APPROXIMATE LOCATION OF THE INVERTER CENTER OF GRAVITY.



**YASKAWA**  
**SOLECTRIA SOLAR**

PRODUCT: **SGI 500XT**

VIEW: **LEFT**

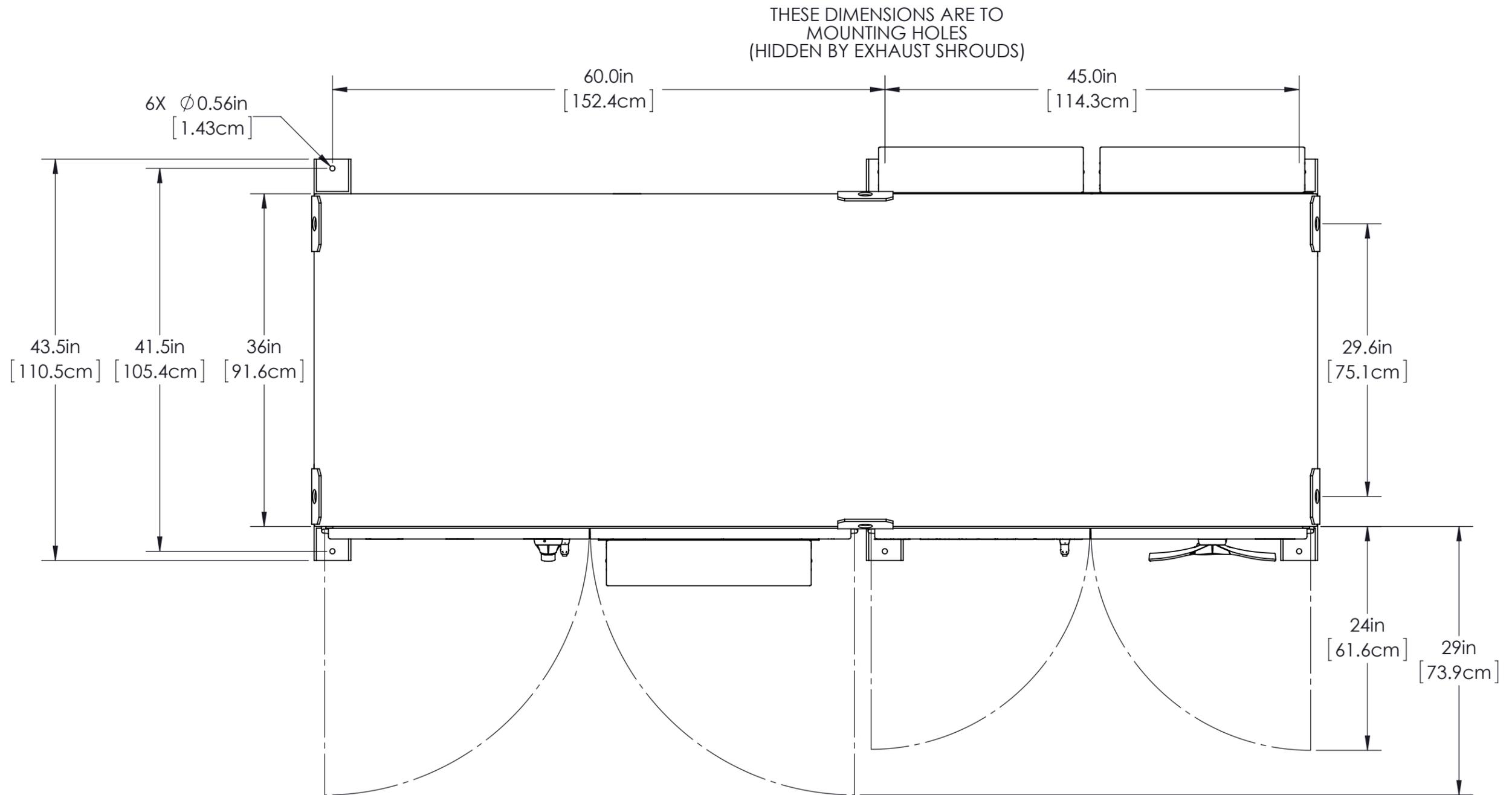
DOCUMENT: **DOCR-070160** REV: **B**

SIZE: **B** DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE IN cm DO NOT SCALE

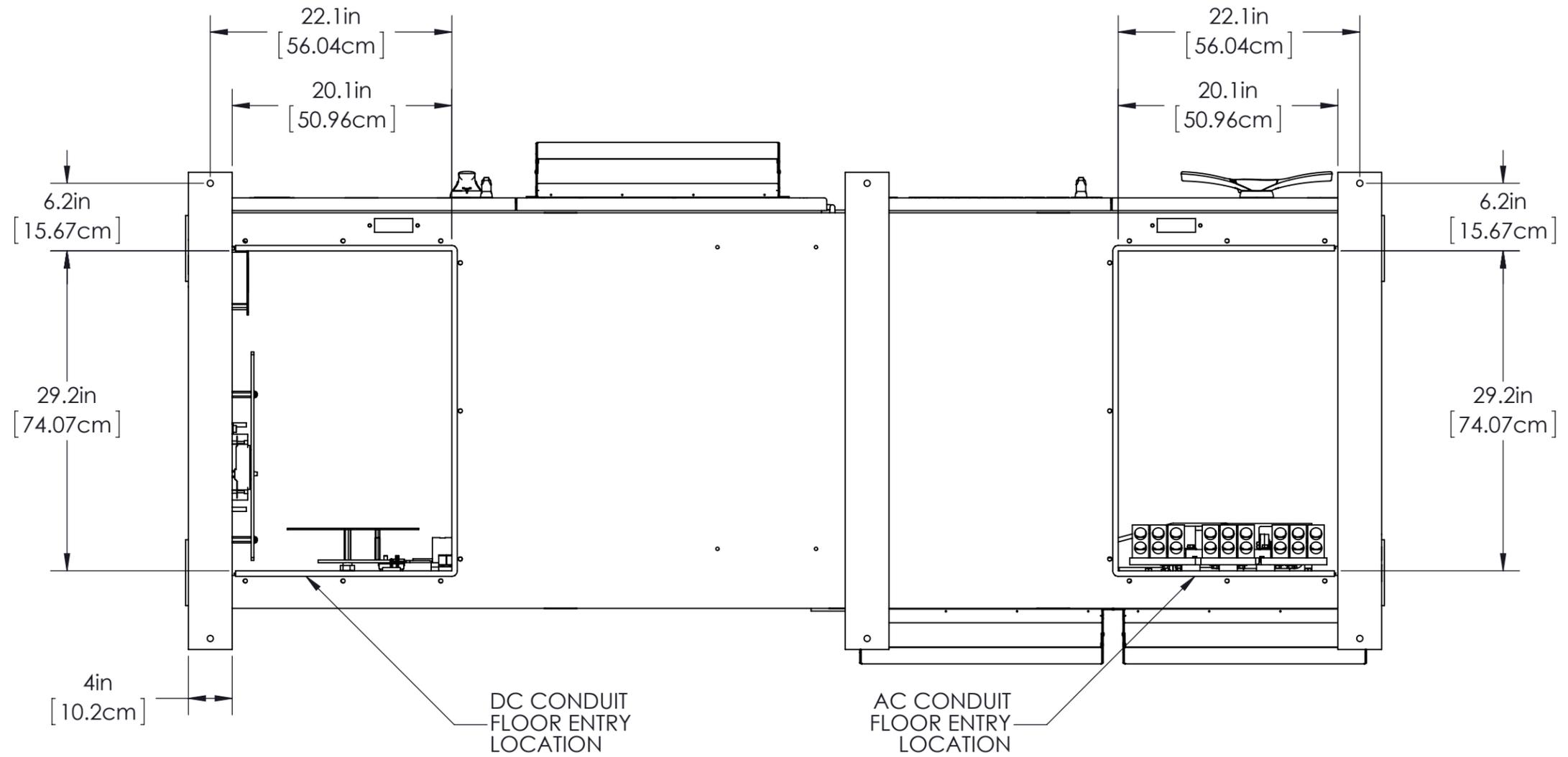
**CUSTOMER INTERFACE DRAWING**

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

SCALE: 1:12 SHEET 5 OF 15



<b>YASKAWA</b>		
<b>SOLECTRIA SOLAR</b>		
PRODUCT: <b>SGI 500XT</b>		
VIEW: TOP		
DOCUMENT: DOCR-070160	REV: B	
SIZE: <b>B</b>	DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN cm	DO NOT SCALE
<b>CUSTOMER INTERFACE DRAWING</b>		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE: 1:12	SHEET 6 OF 15	



**YASKAWA**  
**SOLECTRIA SOLAR**

PRODUCT: **SGI 500XT**

VIEW: **BOTTOM**

DOCUMENT: **DOCR-070160** REV: **B**

SIZE: **B** DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE IN cm DO NOT SCALE

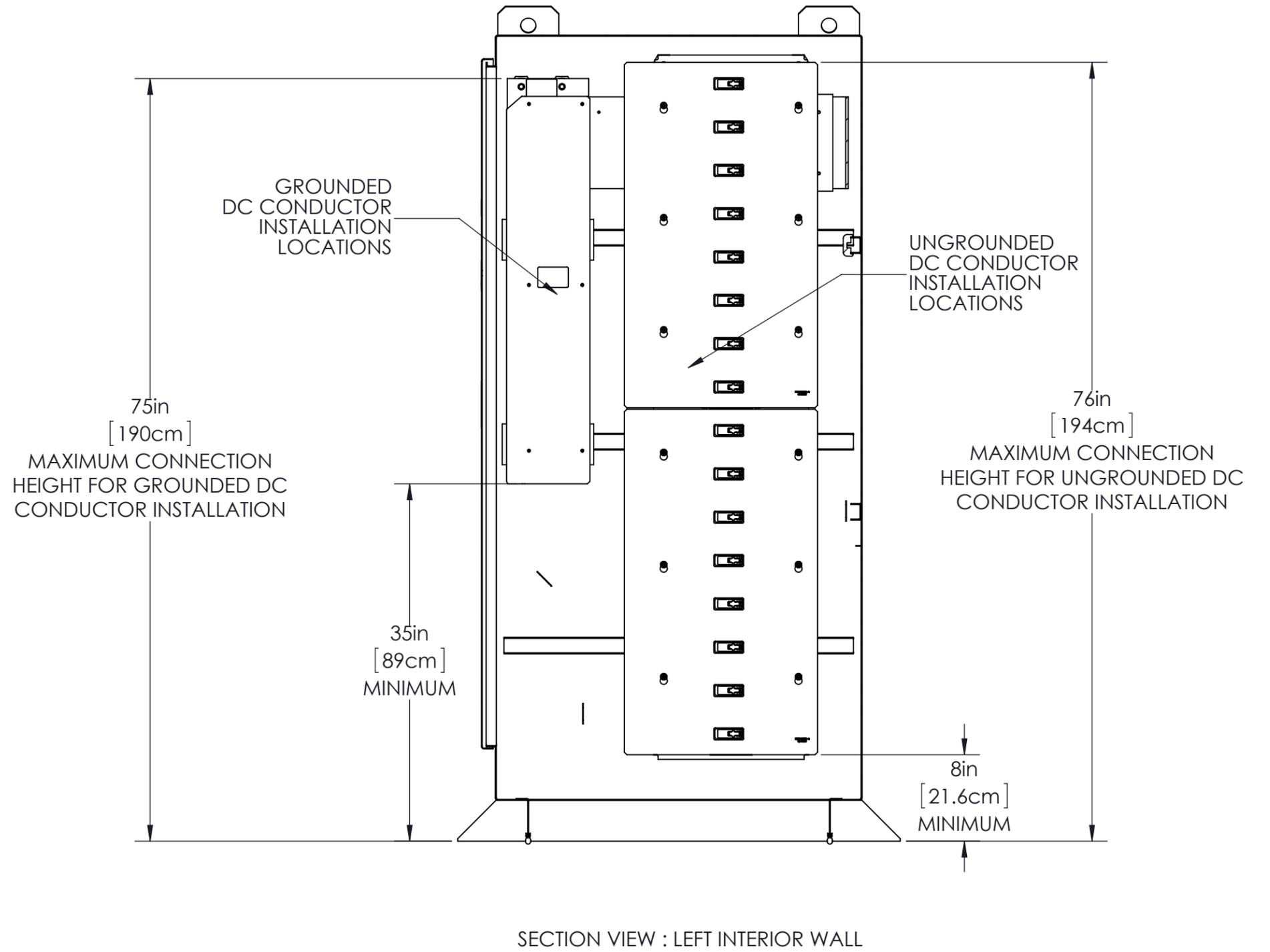
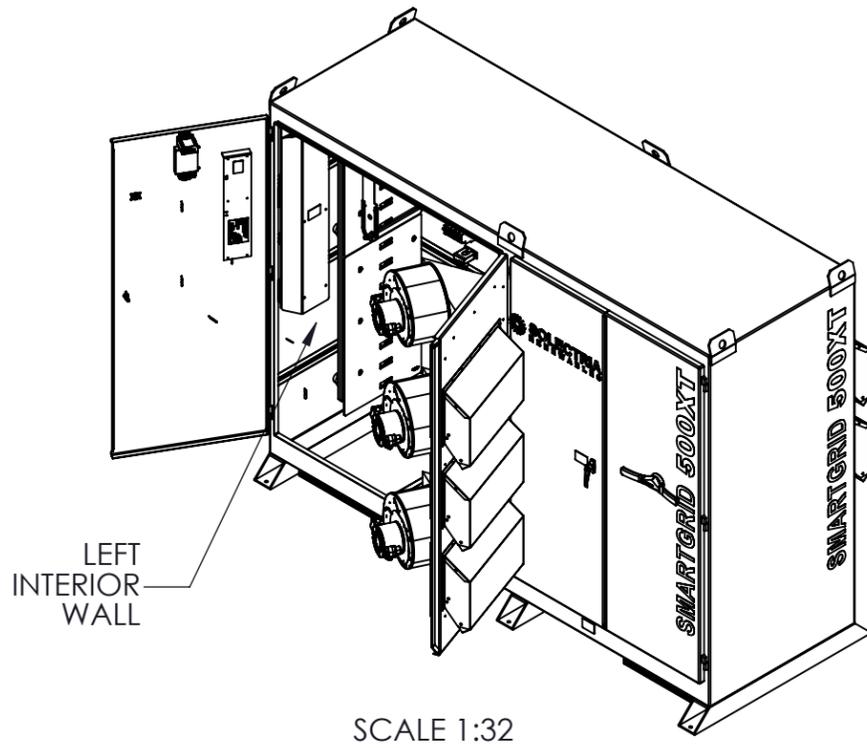
**CUSTOMER INTERFACE DRAWING**

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

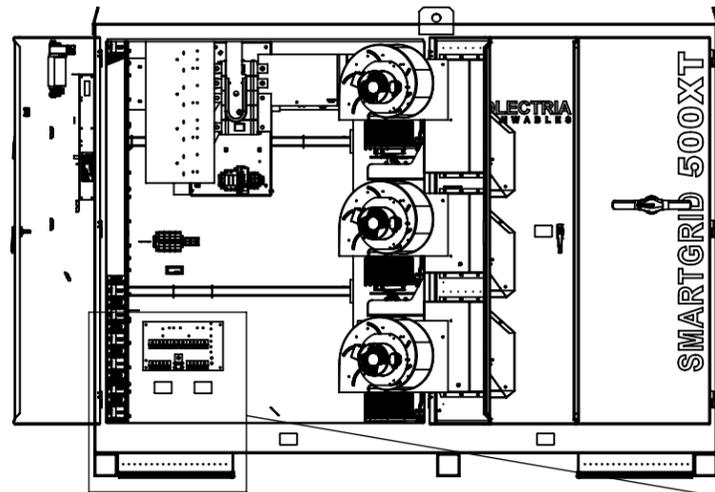
SCALE: 1:12 SHEET 7 OF 15

**NOTES:**

- DC CONDUCTOR CONNECTIONS ARE DEPENDENT ON SELECTED INTEGRAL SUBCOMBINER. REFERENCE SOLECTRIA RENEWABLES SGI 500XT INSTALLATION AND OPERATION MANUAL FOR FURTHER REQUIREMENTS.

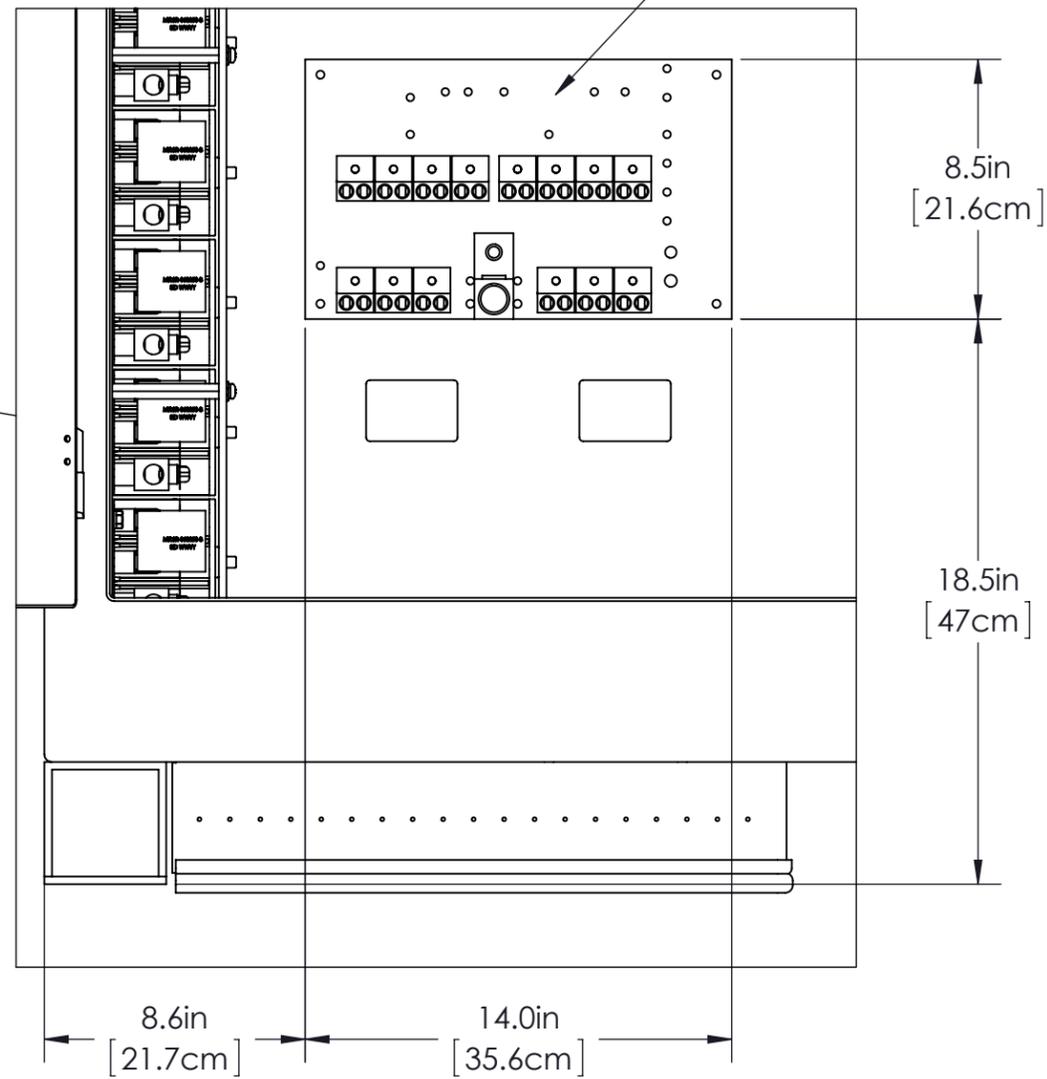


<b>YASKAWA SOLECTRIA SOLAR</b>		
PRODUCT:	<b>SGI 500XT</b>	
VIEW:	DC CONDUCTOR CONNECTIONS	
DOCUMENT:	DOCR-070160	REV: B
SIZE:	<b>B</b> DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN cm	DO NOT SCALE
<b>CUSTOMER INTERFACE DRAWING</b>		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE:	1:12	SHEET 8 OF 15



SCALE 1:32

DC GROUND  
CONDUCTOR  
CONNECTION  
LOCATIONS



DETAIL : DC GROUND CONNECTIONS

**YASKAWA**  
**SOLECTRIA SOLAR**

PRODUCT: **SGI 500XT**

VIEW: **DC GROUND CONNECTIONS**

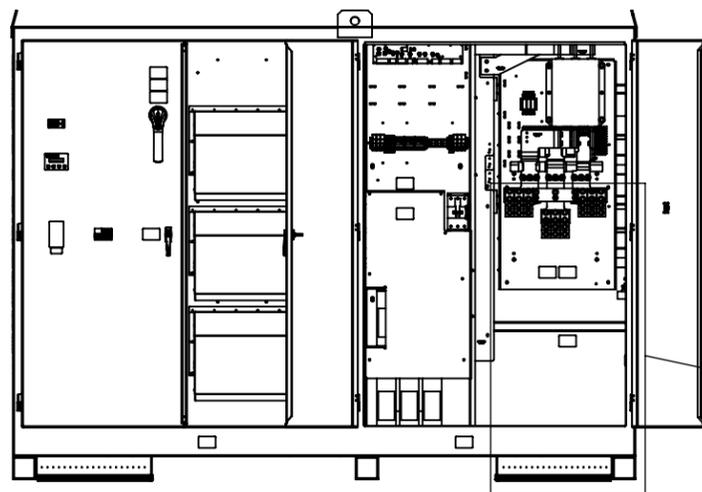
DOCUMENT: **DOCR-070160** REV: **B**

SIZE: **B** DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE IN cm DO NOT SCALE

**CUSTOMER INTERFACE DRAWING**

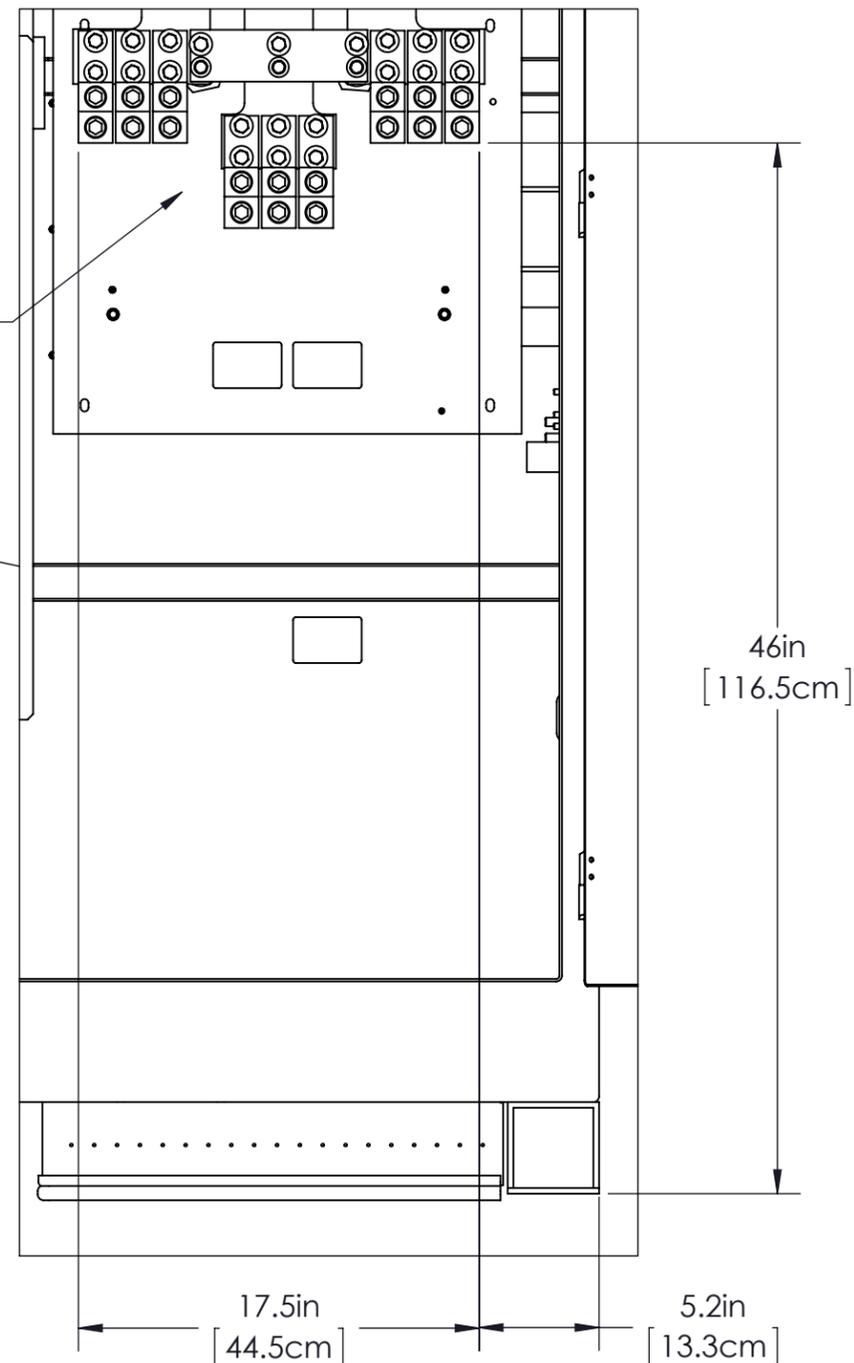
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:6 SHEET 9 OF 15



SCALE 1:32

AC CONDUCTOR  
CONNECTION  
LOCATIONS



DETAIL : AC CONDUCTOR CONNECTIONS

**YASKAWA**  
**SOLECTRIA SOLAR**

PRODUCT: **SGI 500XT**

VIEW: **AC CONDUCTOR CONNECTIONS**

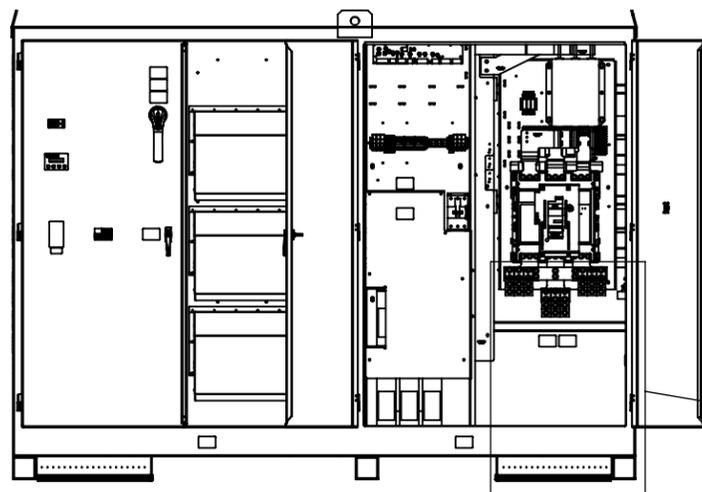
DOCUMENT: **DOCR-070160** REV: **B**

SIZE: **B** DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE IN cm DO NOT SCALE

**CUSTOMER INTERFACE DRAWING**

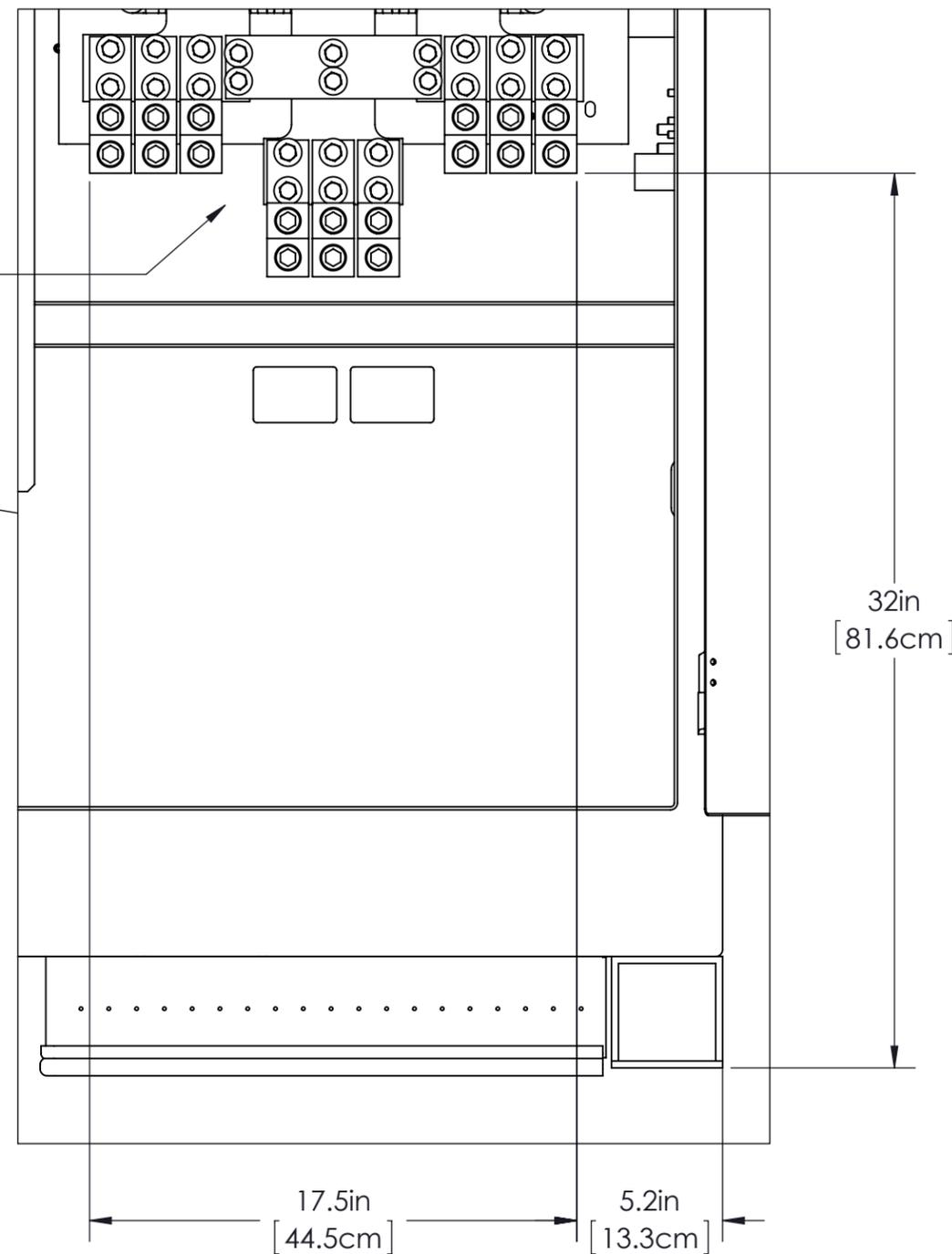
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

SCALE: 1:8 SHEET 10 OF 15



SCALE 1:32

AC CONDUCTOR  
CONNECTION  
LOCATIONS  
WITH OPTIONAL AC  
BREAKER OR  
DISCONNECT INSTALLED



DETAIL : AC CONDUCTOR CONNECTIONS WITH OPTIONAL AC BREAKER OR DISCONNECT INSTALLED

**YASKAWA**  
**SOLECTRIA SOLAR**

PRODUCT: **SGI 500XT**

VIEW: AC CONDUCTOR CONNECTIONS WITH  
OPTIONAL AC BREAKER OR DISCONNECT

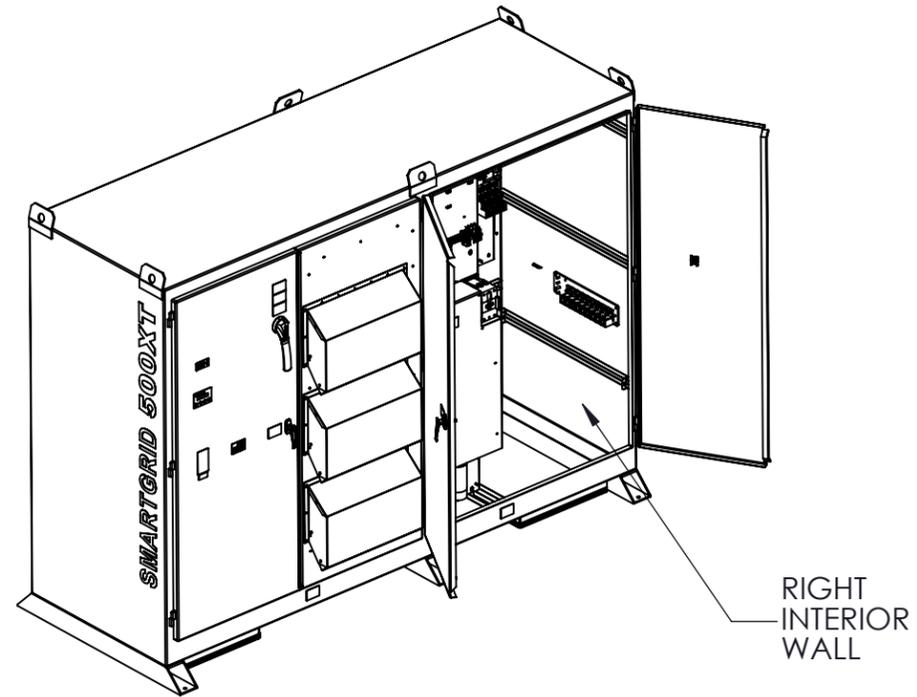
DOCUMENT: DOCR-070160 REV: B

SIZE: **B** DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE IN cm DO NOT SCALE

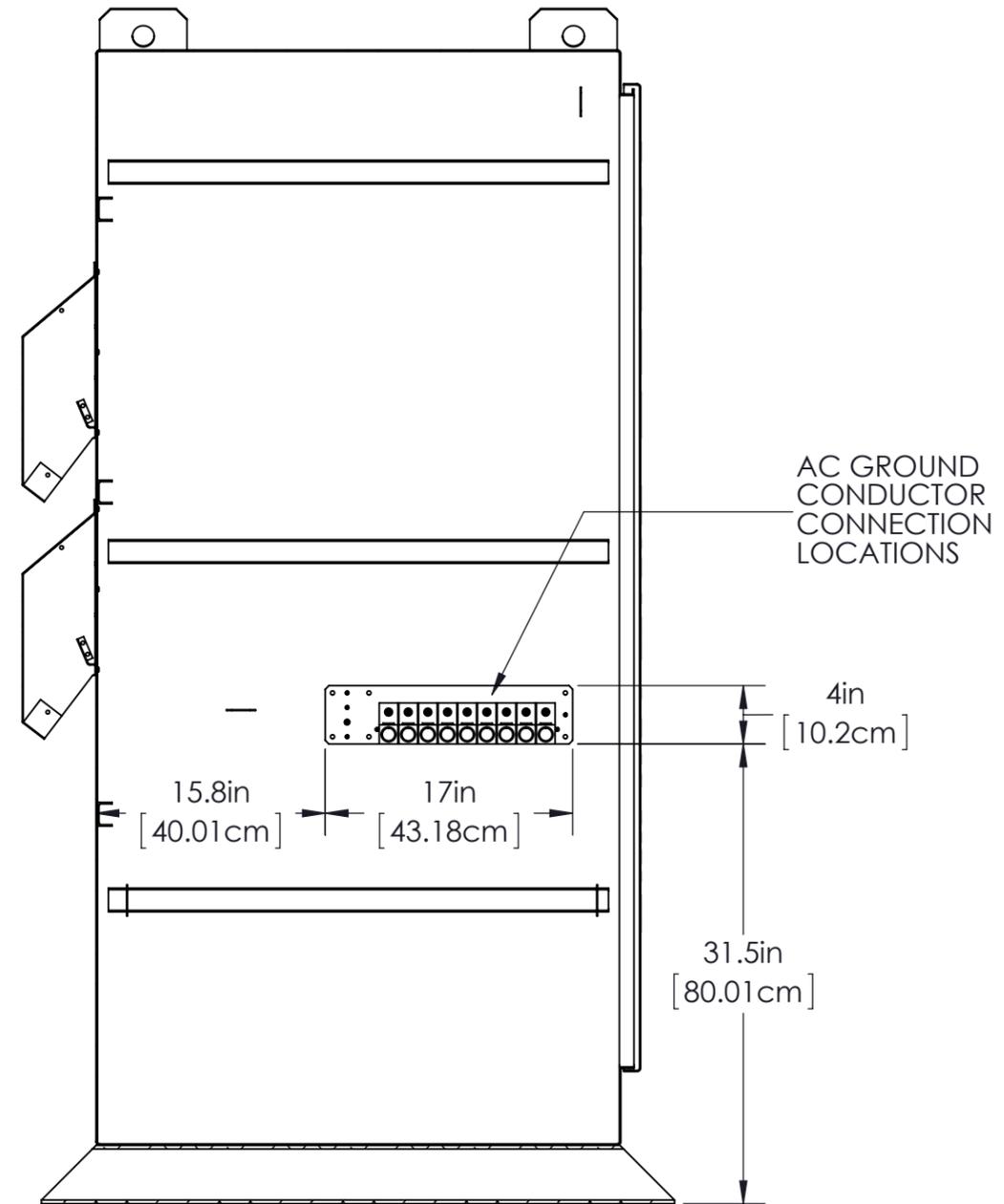
**CUSTOMER INTERFACE DRAWING**

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

SCALE: 1:6 SHEET 11 OF 15



SCALE 1:32



SECTION VIEW : RIGHT INTERIOR WALL

**YASKAWA**  
**SOLECTRIA SOLAR**

PRODUCT: **SGI 500XT**

VIEW: **AC GROUND CONNECTIONS**

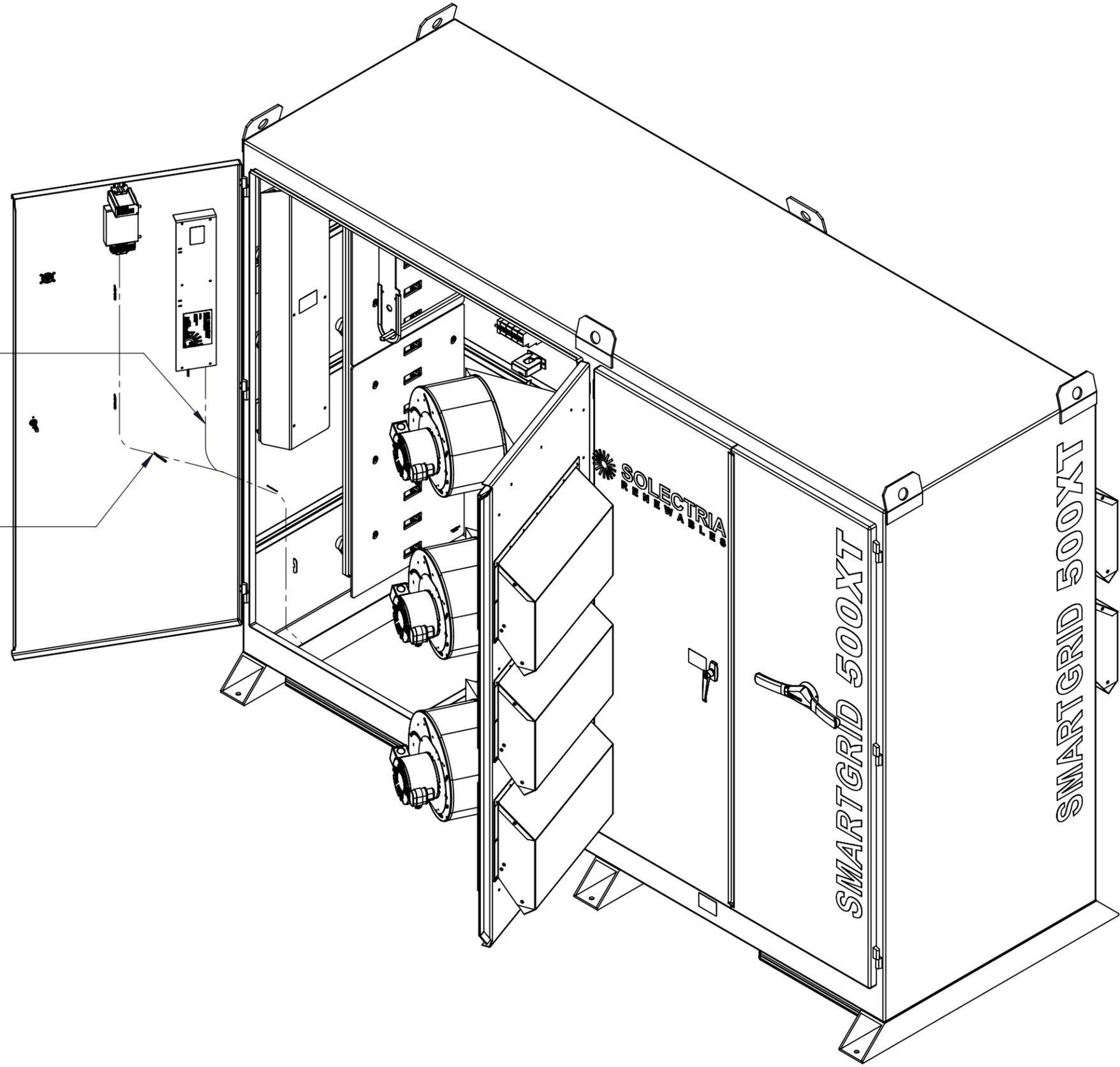
DOCUMENT: **DOCR-070160** REV: **B**

SIZE: **B** DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE IN cm DO NOT SCALE

**CUSTOMER INTERFACE DRAWING**

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

SCALE: 1:12 SHEET 12 OF 15



GENERAL ROUTING LOCATION  
FOR SIGNAL WIRE CONNECTIONS

- RS 485
- OPTIONAL SOLRENVIEW

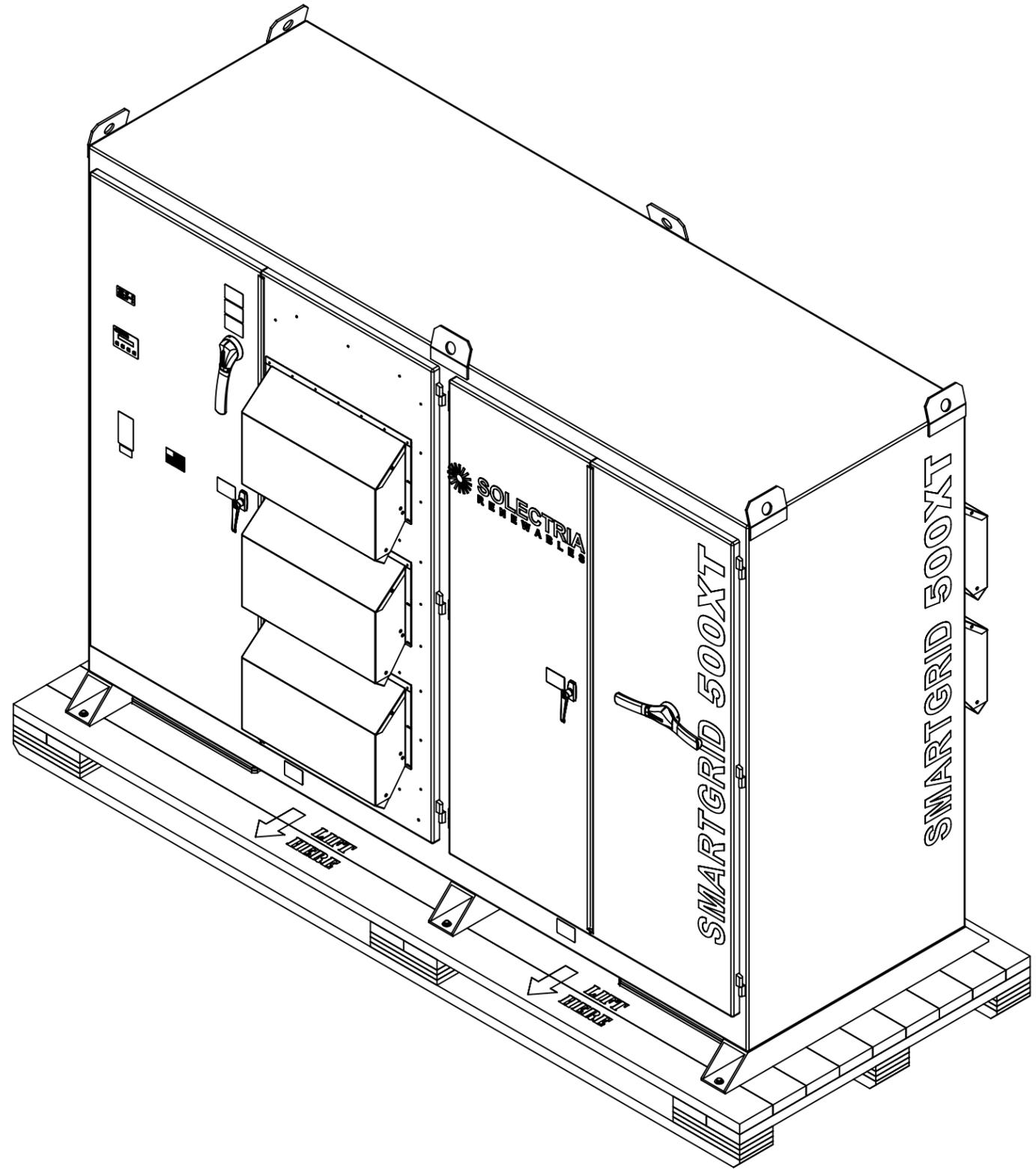
GENERAL ROUTING LOCATION  
FOR SIGNAL WIRE CONNECTIONS

- REMOTE SHUTDOWN
- OPTIONAL SOLRENVIEW AIR
- OPTIONAL SHUNT TRIP

<b>YASKAWA</b>		
<b>SOLECTRIA SOLAR</b>		
PRODUCT: <b>SGI 500XT</b>		
VIEW: <b>SIGNAL WIRE ROUTING LOCATION</b>		
DOCUMENT: <b>DOCR-070160</b>	REV: <b>B</b>	
SIZE: <b>B</b>	DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN cm	DO NOT SCALE
<b>CUSTOMER INTERFACE DRAWING</b>		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE: <b>1:14</b>	SHEET <b>13 OF 15</b>	

**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.



**YASKAWA**  
**SOLECTRIA SOLAR**

PRODUCT: **SGI 500XT**

VIEW: **AS SHIPPED ISOMETRIC**

DOCUMENT: **DOCR-070160** REV: **B**

SIZE: **B** DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE IN cm DO NOT SCALE

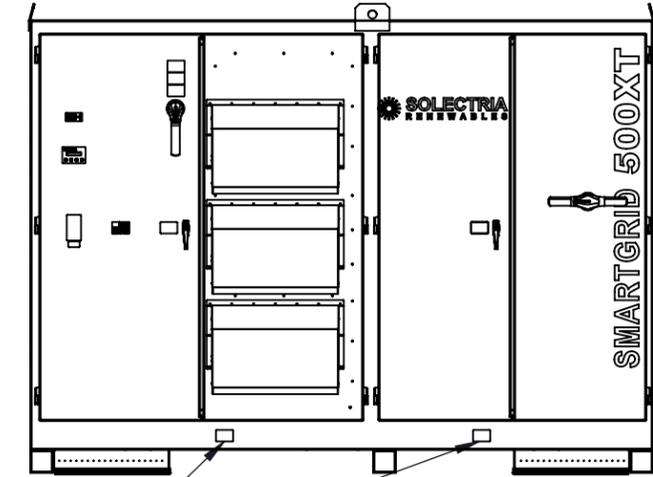
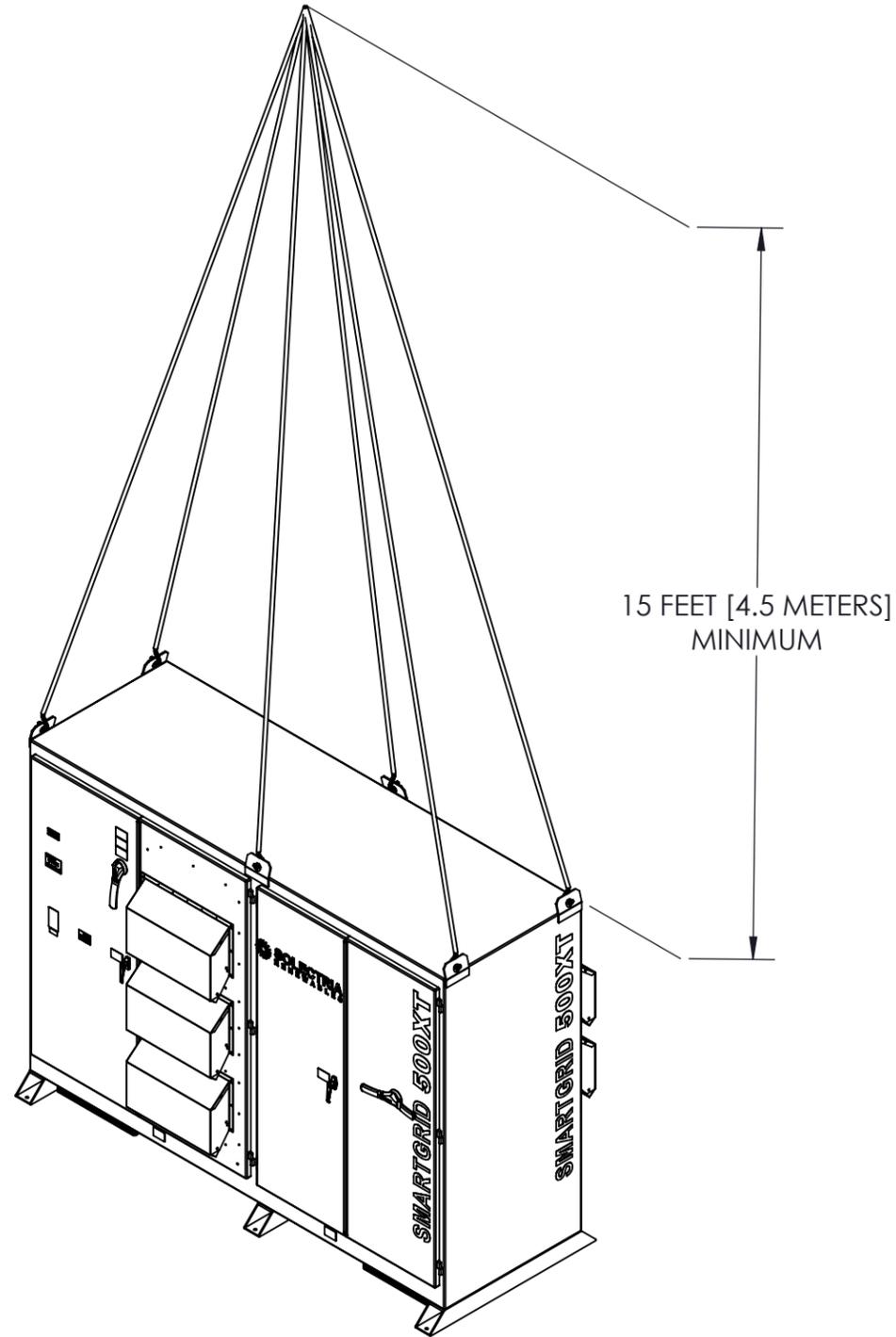
**CUSTOMER INTERFACE DRAWING**

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

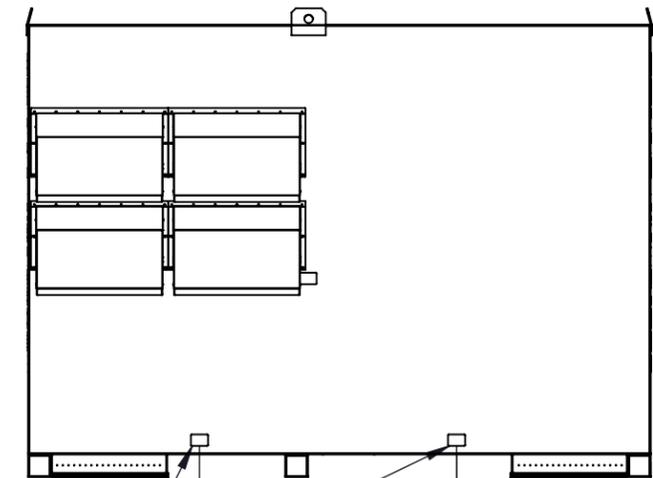
SCALE: 1:16 SHEET 14 OF 15

**NOTES:**

1. RECOMMENDED SINGLE POINT LIFTING METHOD SHOWN. SEE SOLECTRIA RENEWABLES SGI 500XT INSTALLATION AND OPERATION MANUAL FOR PREFERRED LIFTING METHODS.
2. REFERENCE SOLECTRIA RENEWABLES SGI 500XT INSTALLATION AND OPERATION MANUAL FOR ADDITIONAL LIFTING AND INSTALLATION REQUIREMENTS.



RECOMMENDED FORK  
LIFT LOCATIONS ARE  
INDICATED BY LABELS



RECOMMENDED FORK  
LIFT LOCATIONS ARE  
INDICATED BY LABELS

45in [114.3cm] 34in [86.3cm]

<b>YASKAWA SOLECTRIA SOLAR</b>		
PRODUCT:	<b>SGI 500XT</b>	
VIEW:	RECOMMENDED RIGGING AND LIFTING METHODS	
DOCUMENT:	DOCR-070160	REV: B
SIZE:	<b>B</b> DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN cm	DO NOT SCALE
<b>CUSTOMER INTERFACE DRAWING</b>		
PLEASE NOTE: ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE		
SCALE:	1:32	SHEET 15 OF 15