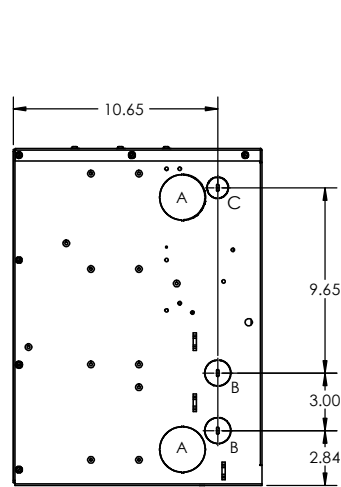
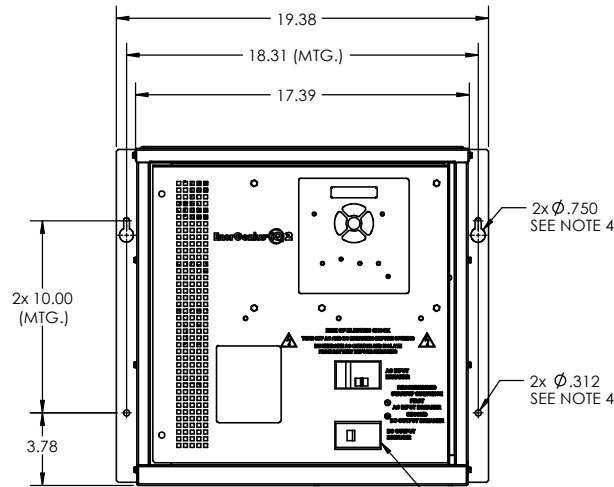


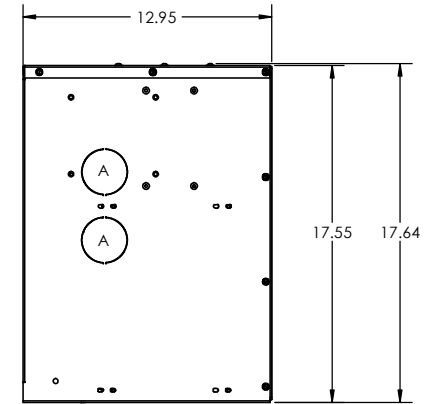
DCN		REV	REVISIONS	DATE	APPROVED
108031		A	INITIAL RELEASE	4/20/2021	JWF
108104		B	SHEET 5, UPDATE JUMPER SETTINGS VIEW	8/31/2021	JWF



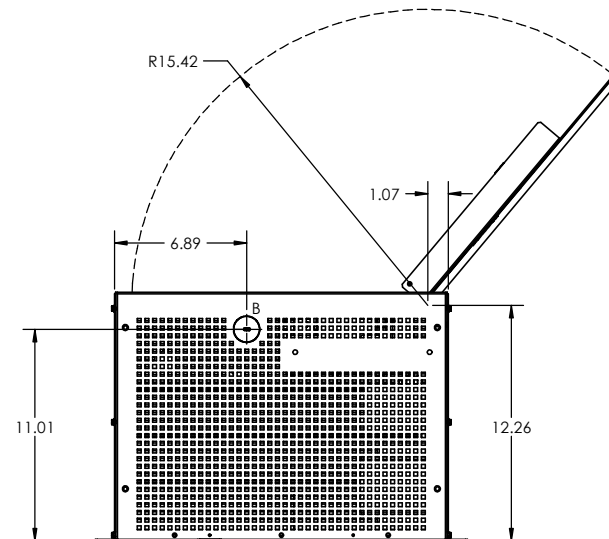
Left



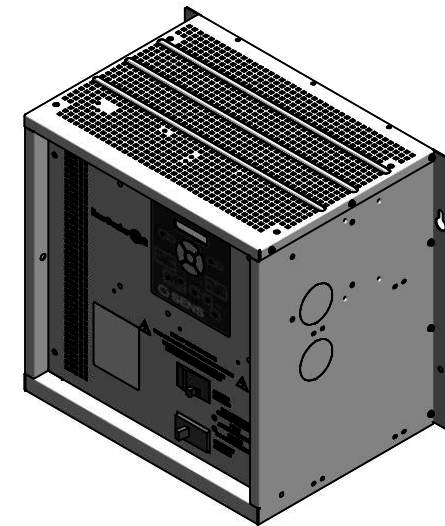
Front



Right



Bottom



WALL MOUNT

Notes:

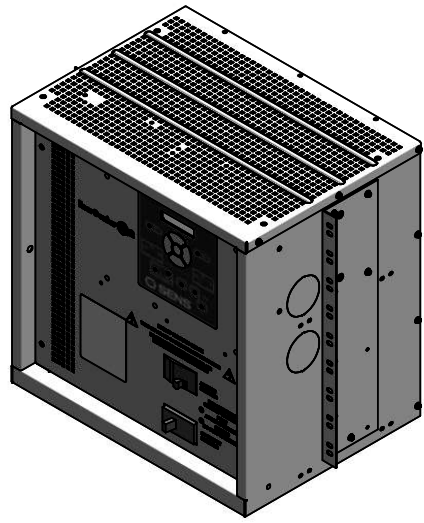
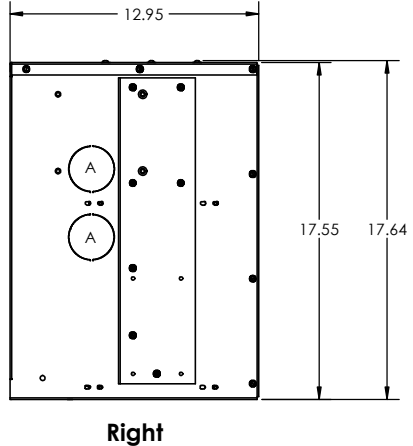
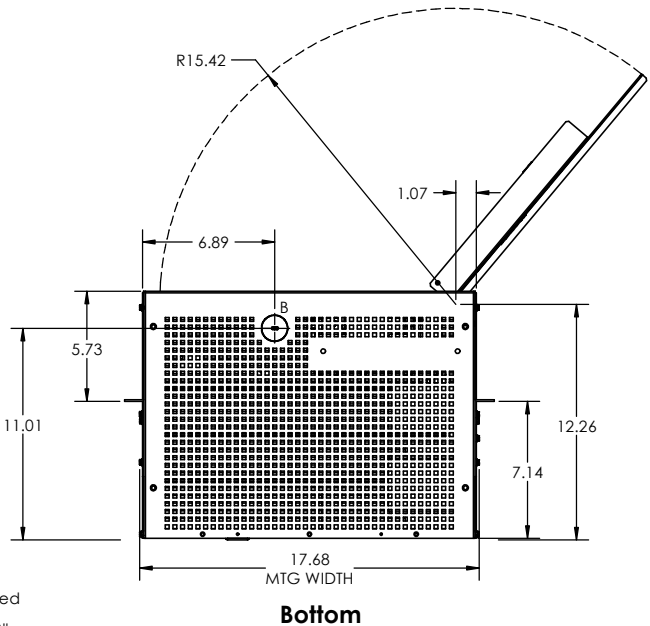
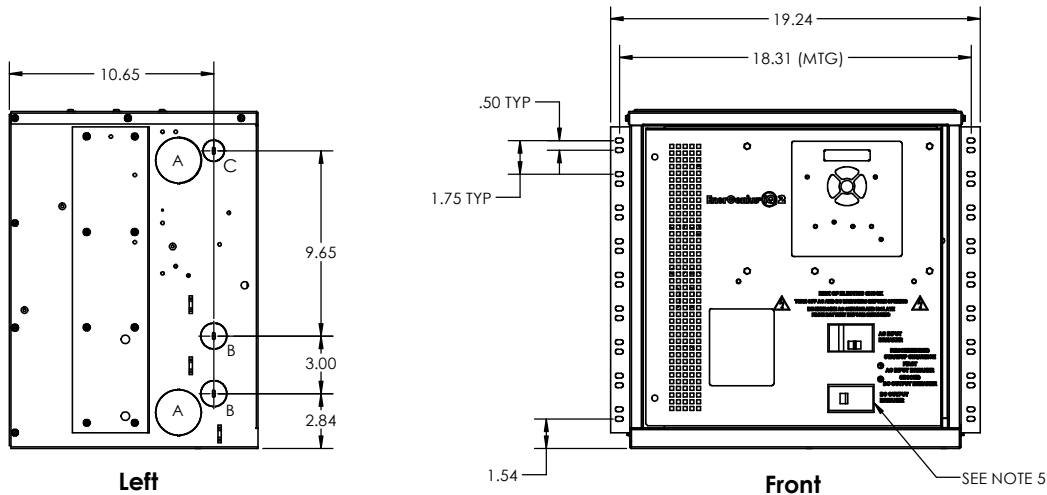
- DO NOT attempt to remove the large laser-cut knockouts labeled "A".
- Use only the knockouts labeled "B" and "C". For holes marked "B", attach 1.0in electrical conduit. For holes marked "C", attach .75in electrical conduit.
- Allow 6in of free air space minimumf top, 4in free air space bottom for for ventilation.
- Keyhole slots and holes are provided for wall mounting with 1/4in diameter hardware.
- Breaker size and ratings vary depending on charger model.



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 DEFAULT TOLERANCES:
 ANGLES $\pm 1^\circ$
 TWO PLACE DECIMAL $\pm .02$
 THREE PLACE DECIMAL $\pm .005$
 DO NOT SCALE DRAWING

NAME	DATE	DESCRIPTION	REV
DRAWN	JWF	4/20/2021	2DCAD,Q1,GEN2,STANDARD
CHECKED			
THIRD ANGLE PROJECTION		SIZE C	DOCUMENT NUMBER 2DCAD-Q1-GEN2-STD
DIMENSIONS & TOLERANCES PER ASME Y14.5 - 2009			REV B
			SHEET 1 OF 5

REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
--	--	See sheet 1.	--	--



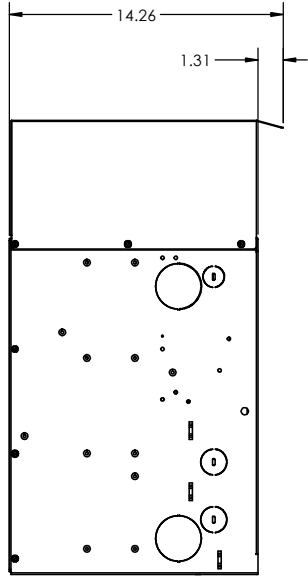
- Notes:
- DO NOT attempt to remove the large laser-cut knockouts labeled "A".
 - Use only the knockouts labeled "B" and "C". For holes marked "B", attach 1.0in electrical conduit. For holes marked "C", attach .75in electrical conduit.
 - Allow 6in of free air space minimumf top, 4in free air space bottom for for ventilation.
 - Keyhole slots and holes are provided for wall mounting with 1/4in diameter hardware.
 - Breaker size and ratings vary depending on charger model.

SENS
STORED ENERGY SYSTEMS
1940 INDUSTRIAL CIRCLE
LONGMONT, CO 80501
303-478-7500
WWW.SENS-USA.COM
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
PROPERTY OF STORED ENERGY SYSTEMS, LLC. ANY
REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN
PERMISSION OF STORED ENERGY SYSTEMS, LLC, IS PROHIBITED.

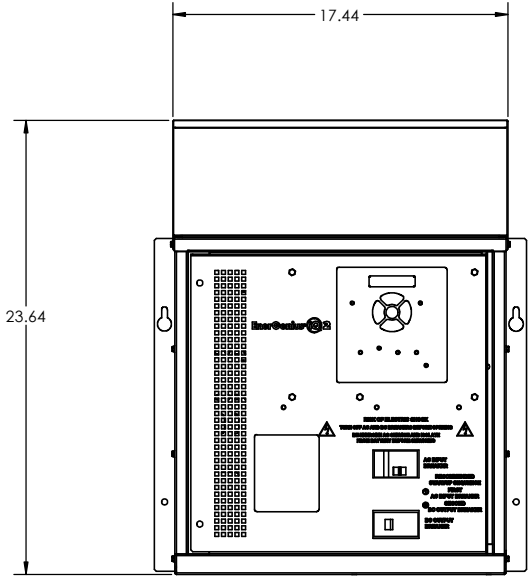
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
DEFAULT TOLERANCES:
ANGLES $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .02$
THREE PLACE DECIMAL $\pm .005$
DO NOT SCALE DRAWING

NAME	DATE	DESCRIPTION	REV
DRAWN	JWF	4/20/2021	2DCAD,Q1,GEN2,STANDARD
CHECKED			
THIRD ANGLE PROJECTION		SIZE C	DOCUMENT NUMBER 2DCAD-Q1-GEN2-STD
DIMENSIONS & TOLERANCES PER ASME Y14.5 - 2009			REV B
			SHEET 2 OF 5

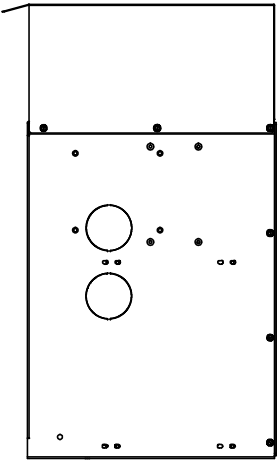
REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
--	--	See sheet 1.	--	--



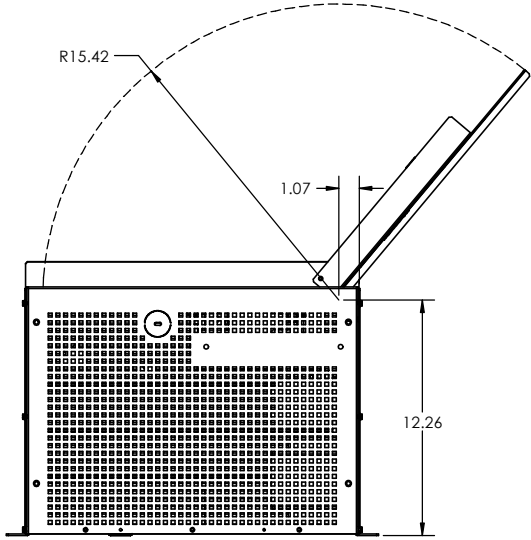
Left



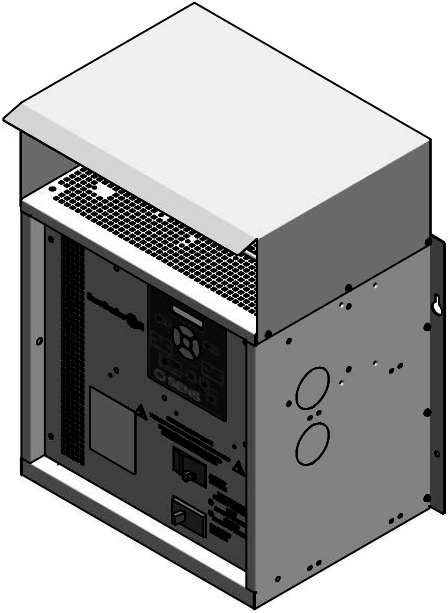
Front



Right



Bottom



STANDARD DRIP SHIELD

**SENS**
STORED ENERGY SYSTEMS
1840 INDUSTRIAL CIRCLE
LONGMONT, CO 80501
303-478-7500
WWW.SENS-USA.COM

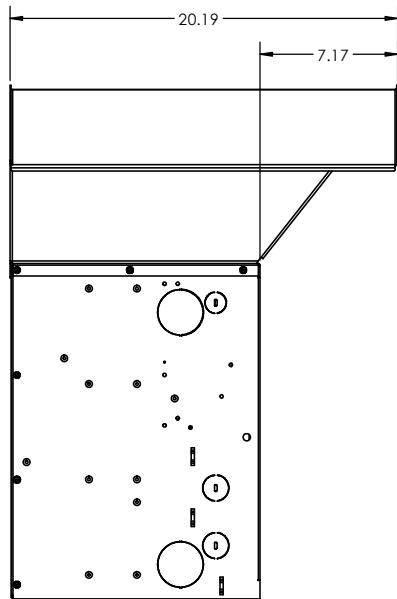
PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF STORED ENERGY SYSTEMS, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF STORED ENERGY SYSTEMS, LLC, IS PROHIBITED.

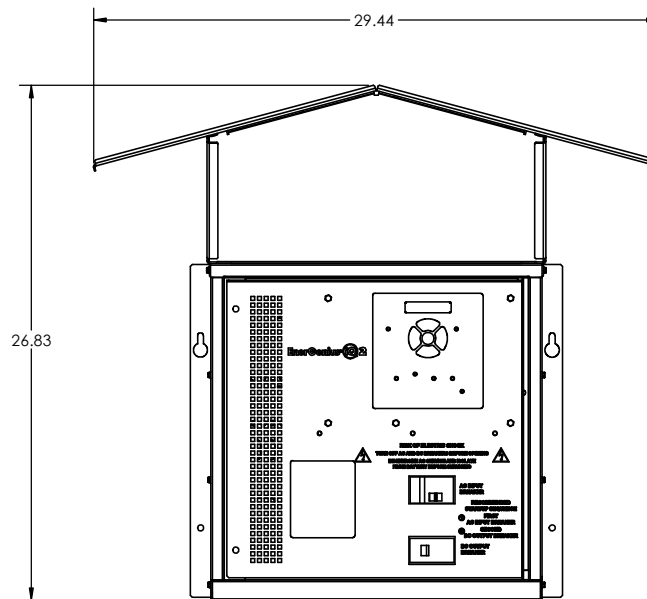
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
DEFAULT TOLERANCES:
ANGLES ± 1°
TWO PLACE DECIMAL ± .02
THREE PLACE DECIMAL ± .005
DO NOT SCALE DRAWING

NAME	DATE	DESCRIPTION	REV
DRAWN	JWF	4/20/2021	2DCAD,Q1,GEN2,STANDARD
CHECKED			
THIRD ANGLE PROJECTION			
DIMENSIONS & TOLERANCES PER ASME Y14.5 - 2009			
SIZE	DOCUMENT NUMBER		
C	2DCAD-Q1-GEN2-STD		B
SHEET 3 OF 5			

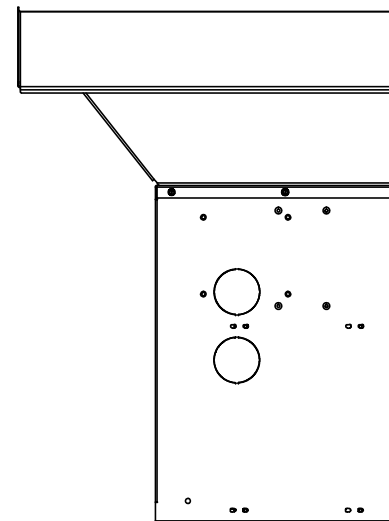
REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
--	--	See sheet 1.	--	--



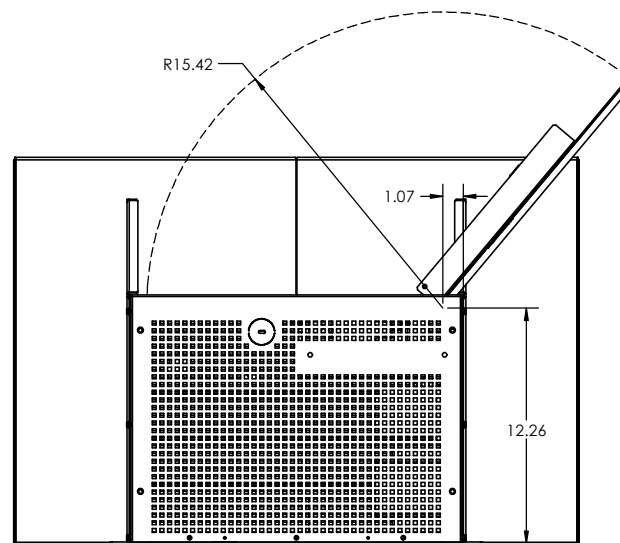
Left



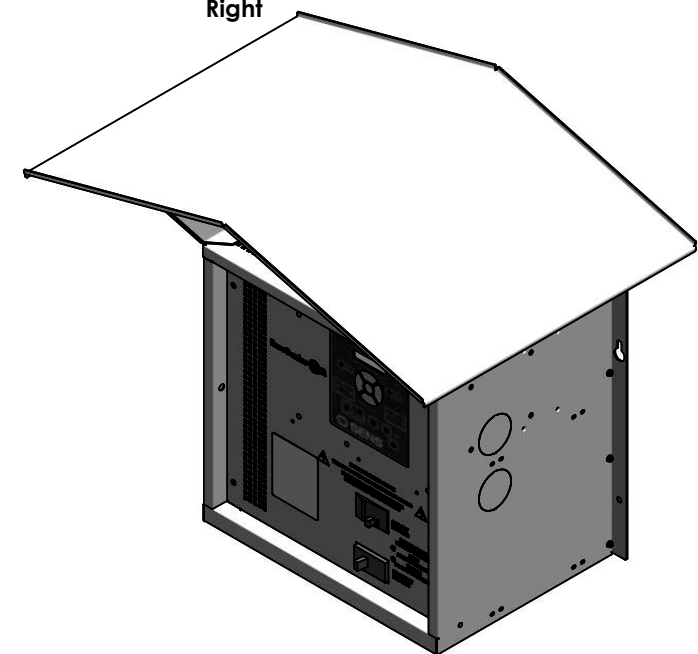
Front



Right



Bottom



IP22 DRIP SHIELD

SENS
STORED ENERGY SYSTEMS
1840 INDUSTRIAL CIRCLE
LONGMONT, CO 80501
303-478-7500
WWW.SENS-USA.COM

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
DEFAULT TOLERANCES:
ANGLES $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .02$
THREE PLACE DECIMAL $\pm .005$
DO NOT SCALE DRAWING

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF STORED ENERGY SYSTEMS, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF STORED ENERGY SYSTEMS, LLC, IS PROHIBITED.

NAME		DATE	DESCRIPTION	
DRAWN	JWF	4/20/2021	2DCAD,Q1,GEN2,STANDARD	
CHECKED				
THIRD ANGLE PROJECTION			SIZE	DOCUMENT NUMBER
			C	2DCAD-Q1-GEN2-STD
DIMENSIONS & TOLERANCES PER ASME Y14.5 - 2009			REV	B
			SHEET 4 OF 5	

FIGURE 1. - AC INPUT VOLTAGE SELECT JUMPER SETTINGS

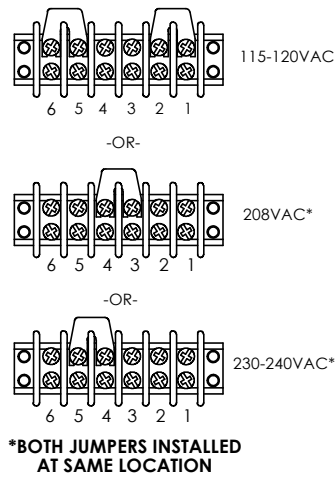


FIGURE 2. - FIELD CONNECTIONS

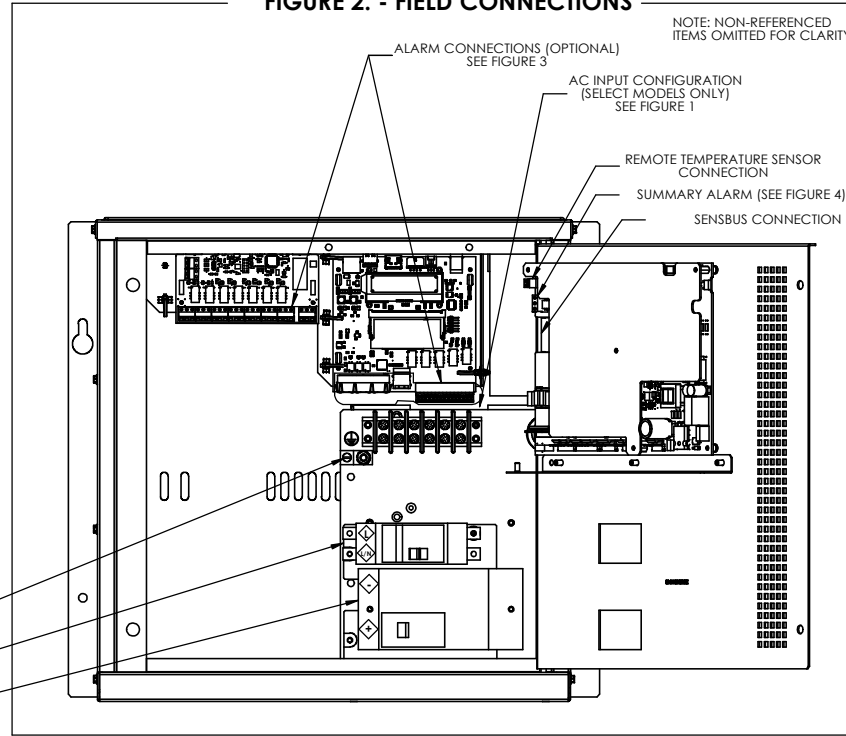
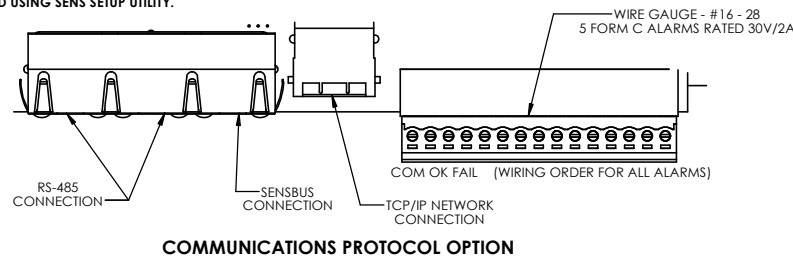
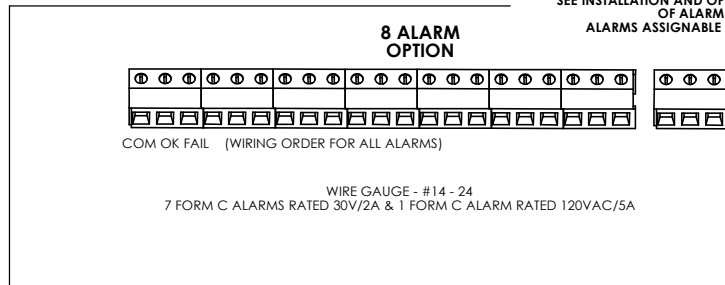


TABLE 2. AC INPUT WIRE GAUGE RATINGS		
Rated Charger Input	Wire Gauge	
	Min	Max
≤ 240 VAC, ≤ 24A	# 14 Cu or Al	#2 Cu or Al
≤ 240 VAC, 60 Hz, > 24A	# 14 Cu or Al	#2 Cu or Al
≤ 240 VAC, 50/60 Hz, > 24A	# 14 Cu, #12 Al	# 1/0 Cu or Al
> 240 VAC (All)	# 14 Cu, #12 Al	#2 Cu, #4 Al

TABLE 3. DC OUTPUT WIRE GAUGE RATINGS			
Rated Charger Output		Wire Gauge	
Volts	Current	Min	Max
12V - 48V	≤ 50A	# 14 Cu or Al	# 2 Cu or Al
	≤ 16A	# 14 Cu, #12 Al	# 4 Cu or Al
120V & 240V	≥ 25A	# 14 Cu, #12 Al	# 1/0 Cu or Al
	≥ 25A	# 14 Cu, #12 Al	# 1/0 Cu or Al

FIGURE 3
ALARM AND I/O CONNECTIONS
SEE INSTALLATION AND OPERATION MANUAL FOR COMPLETE EXPLANATION OF ALARM FUNCTION AND CONNECTIONS.
ALARMS ASSIGNABLE AT FACTORY AND USING SENS SETUP UTILITY.



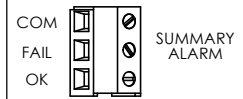
DCN		REV	REVISIONS		DESCRIPTION	DATE	APPROVED
-	-	-	-	-	SEE SHEET 1	-	-

TABLE 1. AC INPUT CURRENT AND AC/DC CIRCUIT BREAKER CURRENT RATINGS

Charger Model	Rated AC Input Current			Charger Input Breaker Current Ratings				Output Breaker Current Ratings
	480V 60Hz (8)	120/208/240V 50/60Hz (P), 60Hz (I)	400V 50/60Hz (V)	480V 60Hz (8)	120/208/240V 50/60Hz (P)	120/208/240V 60Hz (I)	400V 50/60Hz (V)	
Q012-012	0.8	3.2/1.8/1.6	1	15	15	10	15	15
Q012-016	1	4.2/2.4/2.1	1.2	15	15	10	15	20
Q012-025	1.6	6.3/3.6/3.1	1.9	15	15	10	15	35
Q012-035	2.1	8.5/4.9/4.3	2.6	15	15	15	15	45
Q012-050	3.1	13/7.2/6.3	3.8	15	20	20	15	70
Q024-006	0.7	2.9/1.7/1.5	0.9	15	15	10	15	10
Q024-012	1.4	5.6/3.2/2.8	1.7	15	15	10	15	15
Q024-016	1.8	7.4/4.3/3.7	2.2	15	15	10	15	20
Q024-025	2.9	12/6.7/5.8	3.5	15	15	15	15	35
Q024-035	4	16/9.1/7.9	4.7	15	20	20	15	45
Q024-050	5.6	23/13/11	6.8	15	30	30	15	70
Q048-006	1.3	5.2/3.0/2.6	1.6	15	15	10	15	10
Q048-012	2.6	10/5.9/5.1	3.1	15	15	15	15	15
Q048-016	3.3	13/7.7/6.7	4	15	20	20	15	20
Q048-025	5.2	21/12/10	6.2	15	30	30	15	35
Q048-035	7.1	29/17/14	8.6	15	40	40	15	45
Q048-050	10	40/23/20	12	15	50	50	15	70
Q120-006	3.1	12/7.0/6.1	3.7	15	15	15	15	15
Q120-012	5.9	24/14/12	7	15	30	30	15	15
Q120-016	7.8	31/18/16	9.4	15	40	40	15	20
Q120-025	12	47/27/24	14	15	60	60	20	35
Q240-006	5.9	24/14/12	7	15	30	30	15	15
Q240-012	11	44/26/23	14	15	60	60	20	15

SIZE & STYLE OF AC AND DC BREAKERS MAY CHANGE DEPENDING ON CHARGER MODEL NUMBER.

Figure 4.
Control Board
WIRE GAUGE #14-24
RATED 30V/2A



Notes:

1. Polarity of breaker connections is indicated by the text enclosed in a diamond. For AC connections, "L" denotes line and "L/N" denotes a line or neutral connection, depending on the particular AC line configuration used.
2. Tables 2 and 3 specify only the physical capacity of the breaker terminals. In addition to physical limitations, conductors must be electrically adequate per all applicable electrical safety regulations.

SENS
STORED ENERGY SYSTEMS
1940 INDUSTRIAL CIRCLE
LONGMONT, CO 80501
303-478-7500
WWW.SENS-USA.COM
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF STORED ENERGY SYSTEMS, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF STORED ENERGY SYSTEMS, LLC, IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
DEFAULT TOLERANCES:
ANGLES ± 1°
TWO PLACE DECIMAL ± .02
THREE PLACE DECIMAL ± .005
DO NOT SCALE DRAWING

NAME		DATE	DESCRIPTION	
DRAWN	JWF	4/20/2021	2DCAD, Q1, GEN2, STANDARD	
CHECKED				
THIRD ANGLE PROJECTION			SIZE	DOCUMENT NUMBER
DIMENSIONS & TOLERANCES PER ASME Y14.5 - 2009			C	2DCAD-Q1-GEN2-STD
			REV	B
			SHEET 5 OF 5	