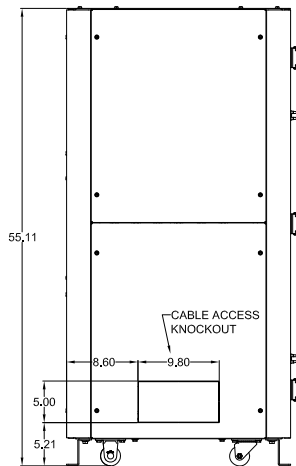
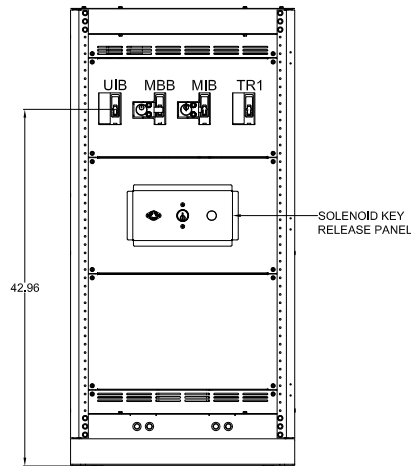


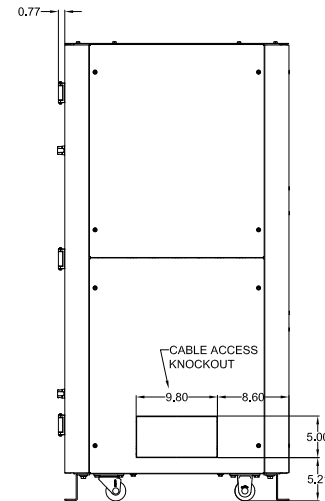
ISOMETRIC VIEW



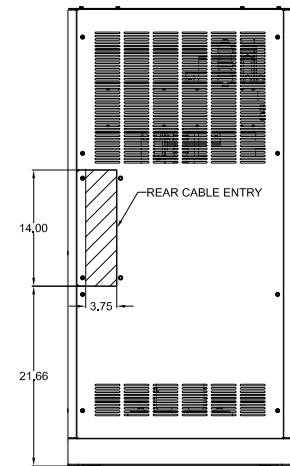
LEFT SIDE VIEW



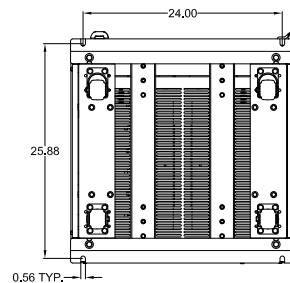
FRONT VIEW
(DOOR REMOVED)



RIGHT SIDE VIEW



REAR VIEW



BOTTOM VIEW

NOTES:

1. APPROXIMATE WEIGHT: 830 LBS.
2. ASSEMBLY IS UL/CUL LISTED TO UL 891 AND C22.2 NO. 244.
3. NEMA 1 TYPE ENCLOSURE.
4. THE CABINET IS CONSTRUCTED FROM GALVANIZED STEEL.
5. FINISH IS POWDER COAT ON ALL EXTERNAL AND VISIBLE SURFACES, INTERIOR PANELS AND MOUNT BRACKETS ARE GALVANIZED FINISH.
6. A MINIMUM REAR CLEARANCE OF 6" IS REQUIRED FOR OPTIMAL COOLING OF THE EQUIPMENT.
7. THE UNIT IS DESIGNED TO MEET THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) TO MEET DESIGN CATEGORY F, SS = 2.0 AND IMPORTANCE FACTOR 1.5.

90840 SERIES MAINTENANCE BYPASS CABINET WITH TRANSFORMER
 125A-200A, 120V/208V, 3Ø/4W, 3 BREAKER BYPASS WITH SKRU
 480D/600D-208Y/120V INPUT TRANSFORMER

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF C&C POWER, INC. ANY REPRODUCTION WITHOUT THE WRITTEN CONSENT OF C&C POWER, INC IS PROHIBITED.

DIMENSIONS ARE IN INCHES		INITIALS	DATE
TOLERANCES:		DRAWN	PC
DECIMALS:	ANGLES:	CHECKED	CH
.XX ±.13	±1°		11/6/2015
.XXX ±.082			

C&C POWER
 ENGINEERED POWER PRODUCTS
 WWW.CCPower.COM

© 2015 C&C POWER, INC.
 ALL RIGHTS RESERVED

SCALE: SEE A REV: 3 SHEET 1 OF 2

TRANSFORMER RATINGS								
KVA	PRIMARY VOLTAGE	SECONDARY VOLTAGE	FREQUENCY	MATERIAL	TEMP RISE	K FACTOR	IZ%	EFFICIENCY
33	480	208Y/120	60 HZ	AL	150°C	K13	4.3	DOE-2016
	4.4							
56	480						4	DOE-2016
	600						4	

TRANSFORMER DISCONNECT CIRCUIT BREAKER SUMMARY (TR1)					
XFRMR KVA	INPUT VOLTAGE	BREAKER MODEL	TRIP	AIC	WIRE RANGE
33	480	HFD3050	50A	65K @ 480VAC	(1) 14 - 1/0
	600	FDB3040	40A	10K @ 600VAC	
56	480	HFD3090	90A	65K @ 480VAC	
	600	FDB3070	70A	10K @ 600VAC	

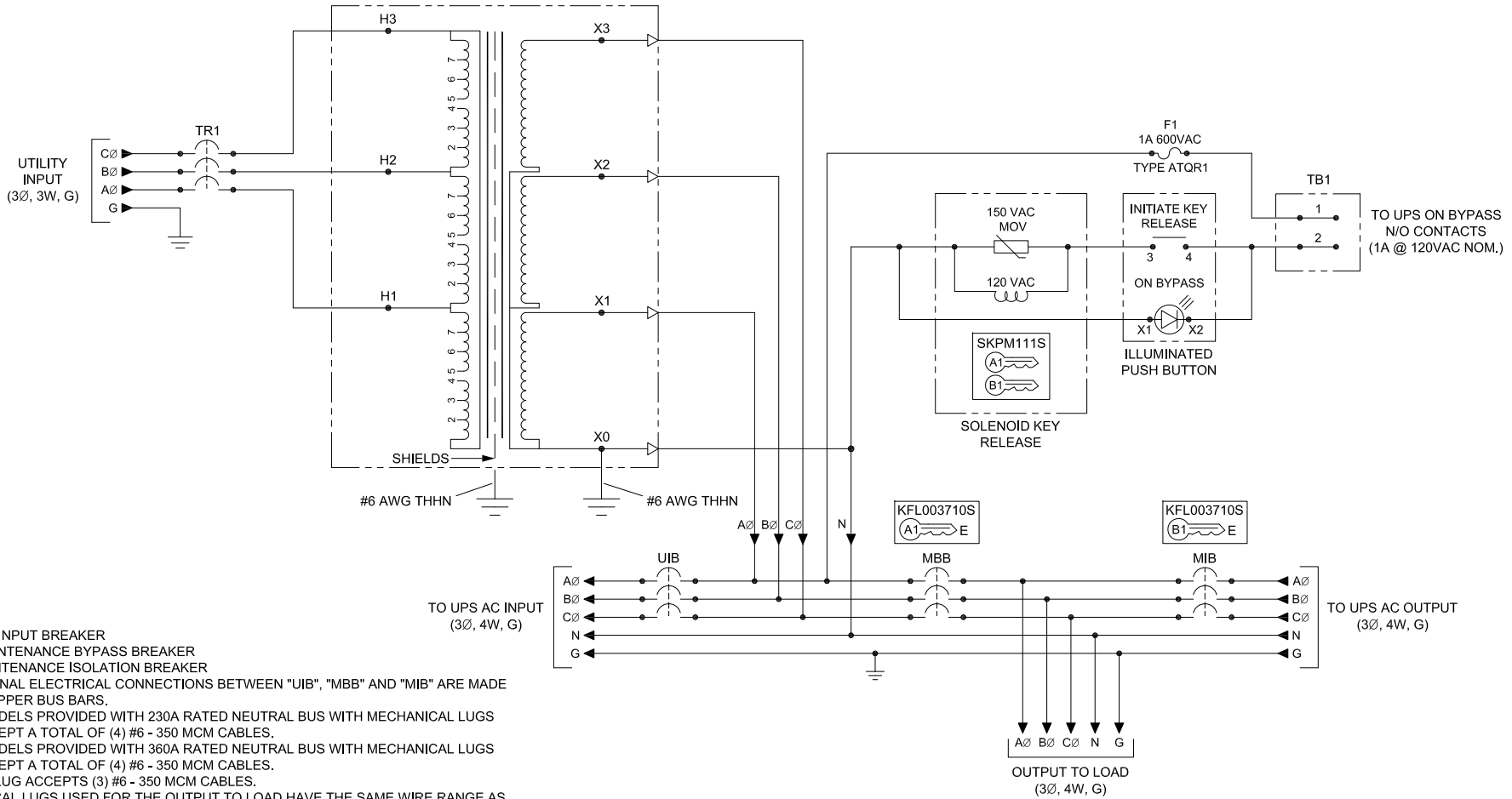
PRIMARY VOLTAGE: LINES ON H1, H2, H3								
XFRMR PRIMARY (V)	TAP CONFIGURATION							
	CONNECT	1	2	3	4	5	6	7
480	VOLTS	504	492	480	468	456	444	432
600		630	615	600	585	570	555	540

SECONDARY VOLTAGE: LINES ON X1, X2, X3	
LINE - LINE	LINE - NEUTRAL
208 V	120 V

MAINTENANCE BYPASS CIRCUIT BREAKER SUMMARY (MBB, MIB & UIB)				
XFRMR KVA	BREAKER MODEL	TRIP	AIC	WIRE RANGE
33	EDB3125	125A	22K @ 240VAC	(1) 4 - 4/0
56	EDB3200	200A		

PRIMARY
480V DELTA
3 PHASE, 3 WIRE

SECONDARY
208Y/120V
3 PHASE, 4 WIRE



- NOTES:
- "UIB" UPS INPUT BREAKER
 - "MBB" MAINTENANCE BYPASS BREAKER
 - "MIB" MAINTENANCE ISOLATION BREAKER
 - ALL INTERNAL ELECTRICAL CONNECTIONS BETWEEN "UIB", "MBB" AND "MIB" ARE MADE USING COPPER BUS BARS.
 - 33KVA MODELS PROVIDED WITH 230A RATED NEUTRAL BUS WITH MECHANICAL LUGS THAT ACCEPT A TOTAL OF (4) #6 - 350 MCM CABLES.
 - 56KVA MODELS PROVIDED WITH 360A RATED NEUTRAL BUS WITH MECHANICAL LUGS THAT ACCEPT A TOTAL OF (4) #6 - 350 MCM CABLES.
 - GROUND LUG ACCEPTS (3) #6 - 350 MCM CABLES.
 - MECHANICAL LUGS USED FOR THE OUTPUT TO LOAD HAVE THE SAME WIRE RANGE AS THE CIRCUIT BREAKERS.
 - VOLTAGE BETWEEN THE AØ AND NEUTRAL MUST BE 120V±10% FOR THE SKRU CIRCUIT TO FUNCTION PROPERLY.
 - THIS DRAWING IS TO BE USED FOR ELECTRICAL PURPOSES ONLY AND DOES NOT REPRESENT THE ACTUAL MECHANICAL LAYOUT OF THE EQUIPMENT.

- KIRK KEY NOTES:
- THE "E" OR "W" NEXT TO THE INTERLOCK INDICATES THE POSITION OF THE INTERLOCK BOLT WHEN THE KEY IS REMOVABLE. "E" = EXTENDED AND "W" = WITHDRAWN.
 - THE KEY OR KEYS NEXT TO THE INTERLOCK INDICATES THE KEY NUMBER THAT FUNCTIONS WITH THE INTERLOCK.

90840 SERIES MAINTENANCE BYPASS CABINET WITH TRANSFORMER			
125A-200A, 120V/208V, 3Ø/4W, 3 BREAKER BYPASS WITH SKRU			
480D/600D-208Y/120V INPUT TRANSFORMER			
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF C&C POWER, INC. ANY REPRODUCTION WITHOUT THE WRITTEN CONSENT OF C&C POWER, INC IS PROHIBITED.			
DIMENSIONS ARE IN INCHES		INITIALS	DATE
TOLERANCES:	DECIMALS: .XX ±.13	DRAWN	ABB 12/4/2018
ANGLES: ±1°	XXX ±.062	CHECKED	ABB 12/4/2018
SCALE: SIZE: A	REVISIONS: 5	SHEET 2 OF 2	

C&C POWER
ENGINEERED POWER PRODUCTS
WWW.CCPOWER.COM

© 2018 C&C POWER, INC.
ALL RIGHTS RESERVED

DRAWING # 90840-480D-600D-208Y-CS-SD01-2 REV 5