SPREAD FORKS AS WIDE AS POSSIBLE WHEN LIFTING CABINETS.

NOTE:

FROM FLOOR TO CABINET LIFTING POINT IS 3.125"

ONLY PERSONNEL TRAINED TO MOVE HEAVY EQUIPMENT SHOULD HANDLE THESE BATTERY SYSTEMS.

USE A FORKLIFT OR SIMILAR DEVICE WITH APPROPRIATE LIFTING CAPACITY TO LIFT THE CABINET.

NOTE THE CENTER OF GRAVITY MEASUREMENT

STEPS FOR BATTERY CABINET INSTALLATION PROCEDURE

1. TO HELP PREVENT DAMAGE, ALL PANELS FROM ALL BATTERY CABINETS SHOULD BE LABELED TO THEIR PROSPECTIVE CABINET, REMOVED AND PUT ASIDE IN A SAFE LOCATION WHILE MOVING THE CABINETS TO FINAL INSTALL POSITION.

2. INSTALL AND ALIGN THE FIRST CABINET, THEN EACH CABINET ADJACENT TO EACH OTHER. REFER TO PAGE 3 FOR PROPER LINE UP.


4. INSTALL SIDE PANEL ONTO THE OPEN SIDES OF THE BATTERY CABINET. INSTALL THE DOORS AND LOCK WHEN NOT OPEN FOR MAINTENANCE.

5. THE CABINET MUST BE ANCHORED TO THE FLOOR FOR SEISMIC SENSITIVE AREAS, AND TO MAINTAIN THE SEISMIC INTEGRITY OF THE BATTERY CABINET. ANCHORING HARDWARE IS NOT INCLUDED. CONTACT INTRAPACK TO PURCHASE ANCHORING HARDWARE.

CAUTION: HIGH CENTER OF GRAVITY - USE CAUTION WHEN MOVING CABINET

MOVE SLOWLY WHEN HANDLING, AVOID BOUNCING THE CABINET WHILE MOVING. THE CABINET COULD FALL FORWARD OR SIDEWAYS IF HANDLED ROUGHLY.

CABINET SYSTEMS ARE HEAVY AND COULD WEIGH AS MUCH AS 9,000 LBS PER CABINET OR MORE.

NOTE THE CENTER OF GRAVITY MEASUREMENT

TILT FORKS BACK WHEN MOVING THE CABINET TO HELP STABILIZE THE CENTER OF GRAVITY.

NOTE:

FROM FLOOR TO CABINET LIFTING POINT IS 3.125"

SPREAD FORKS AS WIDE AS POSSIBLE WHEN LIFTING CABINETS.

MOVING A BATTERY CABINET

DO NOT LIFT THE CABINET HIGHER THAN NECESSARY TO CLEAR THE FLOOR WHEN MOVING

CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

· FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM

· ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

MEGAFLEX UPS BATTERY SKU

MGF1000-5-56-ALT

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTRAPACK INDUSTRIES INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INTRAPACK INDUSTRIES INC. IS PROHIBITED.
CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

- FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
- ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

FRONT VIEW

TOP VIEW

CABINET A  CABINET B  JC  CABINET C  CABINET D  CABINET E

BREAKER ACCESSIBLE THROUGH DOOR (TYP)

REMOVE BATTERY CABINET TOP TO ACCESS CABLE TRAY

SIDE VIEW

BOTTOM VIEW

30.910"

32.250"

9.875"
POSITIONING OF COMPONENTS ARE FOR ILLUSTRATION PURPOSES AND MAY NOT BE REPRESENTED IN THE EXACT LOCATION INDICATED.

CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK
- FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
- ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

GENERAL NOTES:
1. ONLY QUALIFIED TECHNICIANS SHOULD PERFORM INSTALLATION OR MAINTENANCE OF THIS BATTERY SYSTEM.
2. ALL TOOLS SHOULD BE INSULATED TO PREVENT ELECTRICAL SHOCK.
3. OPEN DISCONNECTS BEFORE INSTALLATION OR MAINTENANCE.
4. CHECK DC VOLTAGE AT BATTERY OUTPUT AND UPS OUTPUT TO ENSURE PROPER POLARITY BEFORE MAKING FINAL CONNECTIONS.

GROUND BUS
FLAT BRAID STRAP
POSITIVE BUS
NEGATIVE BUS

DC POWER CABLES FROM CJC TO THE UPS PROVIDED BY OTHERS. REFER TO NEC FOR PROPER AWG SIZE
TERMINAL BLOCK TO TERMINAL BLOCK AND TERMINAL BLOCK TO UPS CONTROL WIRING WILL BE 16-20 GA STRANDED, PROVIDED BY OTHERS

1. DC POWER CABLES FROM CJC TO THE UPS PROVIDED BY OTHERS. REFER TO NEC FOR PROPER AWG SIZE.
2. TERMINAL BLOCK TO TERMINAL BLOCK AND TERMINAL BLOCK TO UPS CONTROL WIRING WILL BE 16-20 GA STRANDED, PROVIDED BY OTHERS.

ELECTRICAL ILLUSTRATION

ABB MEGAFLEX UPS BATTERY SKU MGF1000-5-56-ALT

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTRAPACK INDUSTRIES INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INTRAPACK INDUSTRIES INC. IS PROHIBITED.
CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

DETAIL 'C'
3/8" x 1.25" #5 GRADE OR HIGHER HEX BOLT
LOCK WASHER
FLAT WASHER
WIRE LUG
FLAT WASHER
NUT

CABINET
CABINET

*** GROUND WIRE AND CONNECTIONS TO BE SUPPLIED BY CUSTOMER. WIRE LENGTH AND SIZE DETERMINED BY CUSTOMER

GROUND LOCATION
GROUND LOCATION
GROUND LOCATION (KNOCKOUT)

1.75"
6.20"
8.41"

DASHED LINES INDICATE CUSTOMER PROVIDED CABLES

BREAKER / CABLE CONNECTIONS

NEG BREAKER OUTPUT TO -NEG JC BUS
POS BREAKER OUTPUT TO +POS JC BUS

M8 x 25 HEX BOLT, SST
M8 FLAT WASHER, SST
M8 LOCK WASHER, SST
TAB WASHER FOR BATTERY MONITORING (OPTIONAL)

LOAD WIRE FOR HARNESS MOUNTS HERE WHERE APPLICABLE
BATTERY TERMINAL
INSERT-TYPE POST (ENERSYS)
ENERSYS HX560, HX540, HX535, HX540, HX330, HX300 TORQUE TO 60 IN-LBS.

REFER TO MANUFACTURER'S DATA SHEET FOR MORE INFORMATION

DETAIL 'A'
REF: SHEET 4

DETAIL 'B'
REF: SHEET 3

© INTRAPACK 2021
WWW.INTRAPACK.COM

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTRAPACK INDUSTRIES INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INTRAPACK INDUSTRIES INC. IS PROHIBITED.
ADJACENT BATTERY CABINET SYSTEM: All cable harnesses are provided in both the battery cabinet to battery cabinet connection including the battery cabinet cable harness to the UPS.

ADJACENT REMOTE BATTERY CABINET SYSTEM: All cable harnesses from battery cabinet to battery cabinet will be provided. The battery cabinet to UPS cable harness will be provided by the installing contractor.

REMOTE BATTERY CABINET SYSTEM: All cable harnesses from battery cabinet to battery cabinet and battery cabinet to UPS will be provided by the installing contractor.

NOTE: All control connections are made by onsite installation contractor (typical).

See Detail A - Cable Harness - One harness per cabinet Part # 5022910 (typ). One harness is provided with battery system.

To UPS

Cable and connections from last battery cabinet to the UPS provided by the installing contractor.

System Weight: 24,625 lbs

The Information contained in this drawing is the sole property of Intrapack Industries Inc. Any reproduction in part or whole without the written permission of Intrapack Industries Inc. is prohibited.

Megaflex UPS Battery SKU: MGF1000-5-56-ALT