SPREAD FORKS AS WIDE AS POSSIBLE WHEN LIFTING CABINETS.

NOTE: FROM FLOOR TO CABINET LIFTING POINT IS 3.691".

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.

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.

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. THE BATTERY CABINETS SHOULD BE BOLTED TOGETHER. 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 VOLTAGE, RISK OF ELECTRICAL SHOCK

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

NOTE:

FLOOR TO CABINET LIFTING POINT IS 3.691"

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.

> IMPORTANT <

* REVIEW THE DRAWINGS AND READ ALL INFORMATION BEFORE PROCEEDING WITH MOVING AND INSTALLING THESE BATTERY CABINETS.

IMPORTANT NOTICE:

HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

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

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

ISOMETRIC BATTERY CABINET VIEW

CABINET A
CABINET B & C/J
CABINET C
CABINET D
CABINET E

© INTRAPACK

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

INTRAPACK
1850 MARKISON ROAD
DALLAS, TX. 75238
PHONE: 214-348-7105
EMAIL: SALES@INTRAPACK.COM
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.
DC POWER CABLES FROM BATTERY CABINET BREAKER 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.

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.

ELECTRICAL ILLUSTRATION

ABB MEGAFLEX UPS BATTERY SKU MGH1500-5-4B-ALT
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.

CONTROL WIRING ROUTING

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

CONTROL WIRE CONNECTIONS

#6-40 PAN HEAD SCREW
#18 AWG LUG, RING
JUMPER (2 TERMINALS)

#18 AWG LUG, RING
#18 AWG CU LEADS (TYPICAL)

48 VDC UNDERVOLTAGE TRIP
AND 2A/2B AUXILIARY CONTACTS

RECOMMEND BELDEN WIRE HARNESS PART NUMBER 55020FE-8-U1000

CABLE HARNESS (55020FE) INSIDE CABINET PROVIDED WITH BATTERY SYSTEM

ONE HARNESS PER CABINET PART # 5002310 (TYP)

SEE DETAIL A - CABLE HARNESS
PRE-ASSEMBLED SIDE FROM CIRCUIT BREAKER

TB1
CB1 CONTROL WIRE CONNECTIONS
CABINET A

TB2
CB2 CONTROL WIRE CONNECTIONS
CABINET B

TB3
CB3 CONTROL WIRE CONNECTIONS
CABINET C

TB4
CB4 CONTROL WIRE CONNECTIONS
CABINET D

TB5
CB5 CONTROL WIRE CONNECTIONS
CABINET E

END VIEW

TOP VIEW

LEFT SIDE VIEW

N.C.
COMMON
N.O.
- 48 VDC UVR
+ 48 VDC UVR
#6-40 PAN HEAD SCREW
JUMPER (2 TERMINALS)

BLACK
WHITE
GREEN
RED

#18 AWG LUG, RING
#18 AWG CU LEADS (TYPICAL)

TERMINALS OPTIONAL. ONLY NEEDED IF REQUIRED BY UPS

RECOMMEND BELDEN WIRE HARNESS PART NUMBER 55020FE-8-U1000

SEE DETAIL A - CABLE HARNESS
PRE-ASSEMBLED SIDE FROM CIRCUIT BREAKER

SYSTEM WEIGHT: 41,490 lbs

MegaFlex UPS Battery SKU
MGH1500-5-4B-ALT

© IntraPack 2020

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.

IntraPack
www.intrapack.com
8600 Markison Road
Dallas, TX 75238
Phone: 214-348-7105
Email: sales@intrapack.com

© Intrapack 2020

© IntraPack 2020

© IntraPack 2020