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

- 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.

**NOTE:**
- LIFTING POINT IS 3.125”
- TRANSPORT TO CABINET TO HELP STABILIZE THE CENTER OF GRAVITY.
- SPREAD FORKS AS WIDE AS POSSIBLE WHEN LIFTING CABINETS.

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

**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

FRONT VIEW

TOP VIEW

BOTTOM VIEW

SIDE VIEW

REMOVE BATTERY CABINET TOP TO ACCESS CABLE TRAY

BREAKER ACCESSIBLE THROUGH DOOR (TYP)

CABINET A
CABINET B
CABINET C
JC
CABINET D
CABINET E
CABINET F
CABINET G

CABINET C
CABINET D
CABINET E
CABINET F

30.91"

IPC20-1050

JOB NO. N/A
DATE: 02/01/2021

ADJACENT REMOTE TOP TERMINAL
BATTERY CABINET SYSTEM

MEGAFLEX UPS BATTERY SKU
MGF1100-7-4A-ALT

34,860 lbs

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IP5-280D600-480-7-7D500-AR-JC
**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.

**CAUTION: High Voltage, Risk of Electrical Shock**
- Follow all safety precautions when working on this system.
- Always wear proper safety equipment including eye protection.

**Positioning of Components**
- Components are for illustration purposes and may not be represented in the exact location indicated.

**Electrical Illustration**

- **Cabinet A**
  - +POS Output
  - -NEG Output

- **Cabinet B**
  - Flat braid strap
  - Ground output

- **Cabinet C**
  - Ground bus

- **Cabinet D**
  - Ground output

- **Cabinet E**
  - Ground output

- **Cabinet F**
  - Flat braid strap

- **Cabinet G**
  - Ground output

**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.

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**MEGAFLEX UPS Battery SKU**
- MJF1100-7-4A-ALT

**System Weight:** 34,860 lbs

**ADJACENT REMOTE TOP TERMINAL BATTERY CABINET SYSTEM**

**Drawing No.:** IPS-280D600-480-7-7D500-AR-JC
CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK
- FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
- ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

![Diagram of breaker/cable connections]

DETAIL 'A'
- REF: SHEET 4

DETAIL 'C'
- REF: SHEET 3

- 1/4-20 X 1" HEX BOLT, SST
- 1/4 FLAT WASHER, SST
- LOAD WIRE FOR HARNESS MOUNTS HERE WHERE APPLICABLE
- TERMINAL LUG
- BATTERY TERMINAL

- INSERT-TYPE POST (DYNASTY)

- UPS12-600MRX, TORQUE TO 110 IN-LBS.

- MEGAFLEX UPS BATTERY SKU
- MGF1100-7-4A-ALT

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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.

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)