

**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

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**

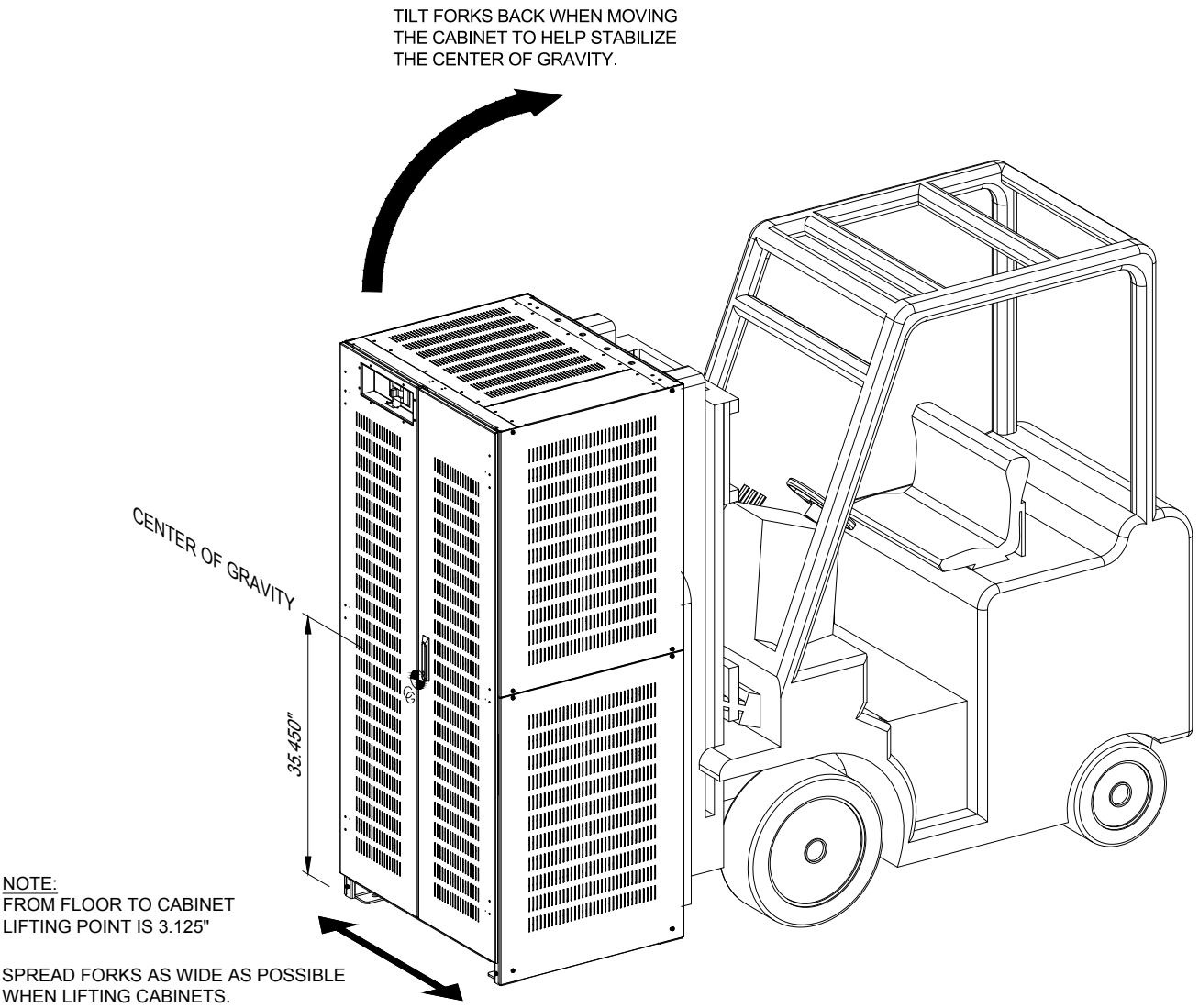
1. TO HELP PREVENT DAMAGE, ALL PANELS FROM ALL BATTERY CABINETS SHOULD BE LABELED TO THEIR PROSPECTIVE CABINET, REMOVED AND PUT ASIDE IN A SAFE LOCATION WHILE MOVING THE CABINETS TO FINAL INSTALL POSITION.
2. INSTALL AND ALIGN THE FIRST CABINET, THEN EACH CABINET ADJACENT TO EACH OTHER. REFER TO PAGE 3 FOR PROPER LINE UP.
3. ROUTE THE POWER CABLES AS SHOWN ON SHEET 4.
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

**> IMPORTANT <**

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



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

**ABB** MEGAFLEX UPS BATTERY SKU  
MGD1500-6-49-ALT

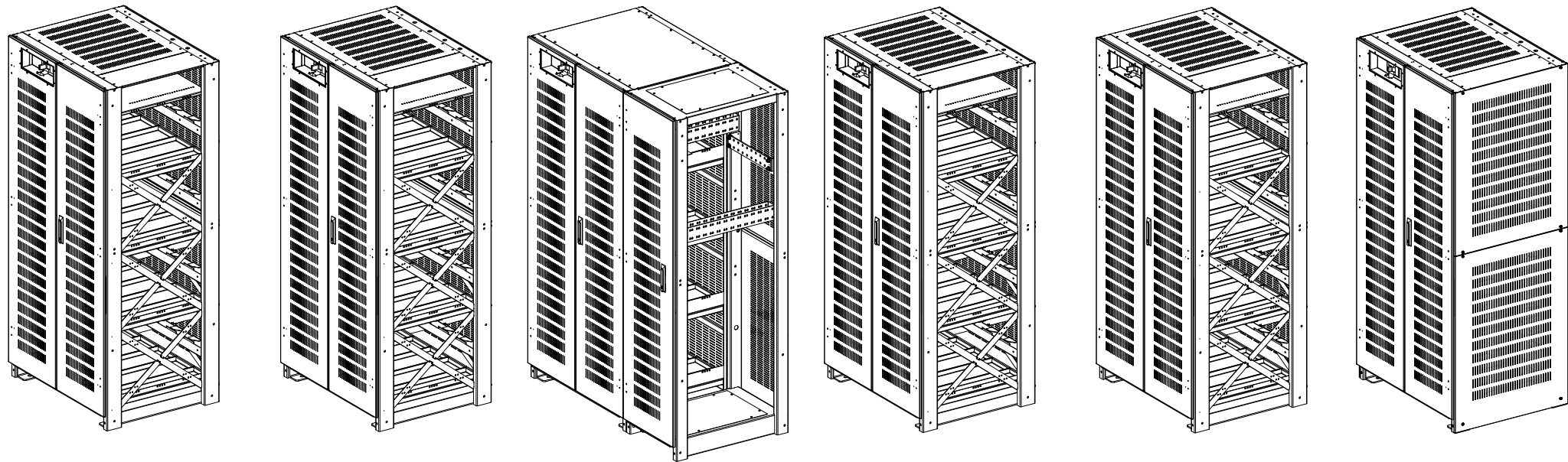
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NO.	DATE	REVISION DESCRIPTION	<div><div><div>IntraPack®</div><div>10650 MARKISON ROAD DALLAS, TX. 75238 PHONE: 214-348-7105 EMAIL: SALES@INTRAPACK.COM © INTRAPACK 2020</div><div>WWW.INTRAPACK.COM</div></div></div>	SYSTEM WEIGHT: 37,790 lbs				ADJACENT REMOTE TOP TERMINAL BATTERY CABINET SYSTEM		1 OF 6
				JOB NO.	N/A	DATE:	01/29/2021			
				QUOTE NO.	IPC20-1033	DRAWN BY:	VZ	DRAWING NO.		
				SCALE:	N.T.S.	APPR. BY:		IP5-240P545-480-6-6D600-AR-JC		

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CABINET A

CABINET B

CABINET C & CJC

CABINET D

CABINET E

CABINET F

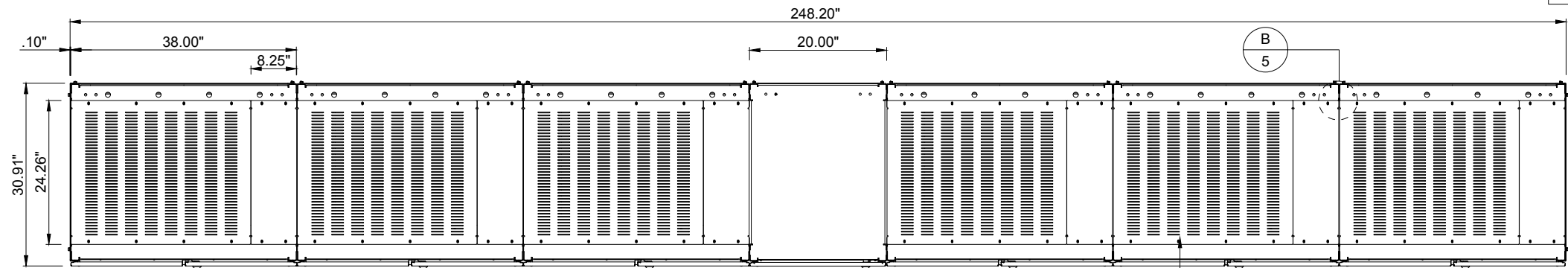
ISOMETRIC BATTERY CABINET VIEW

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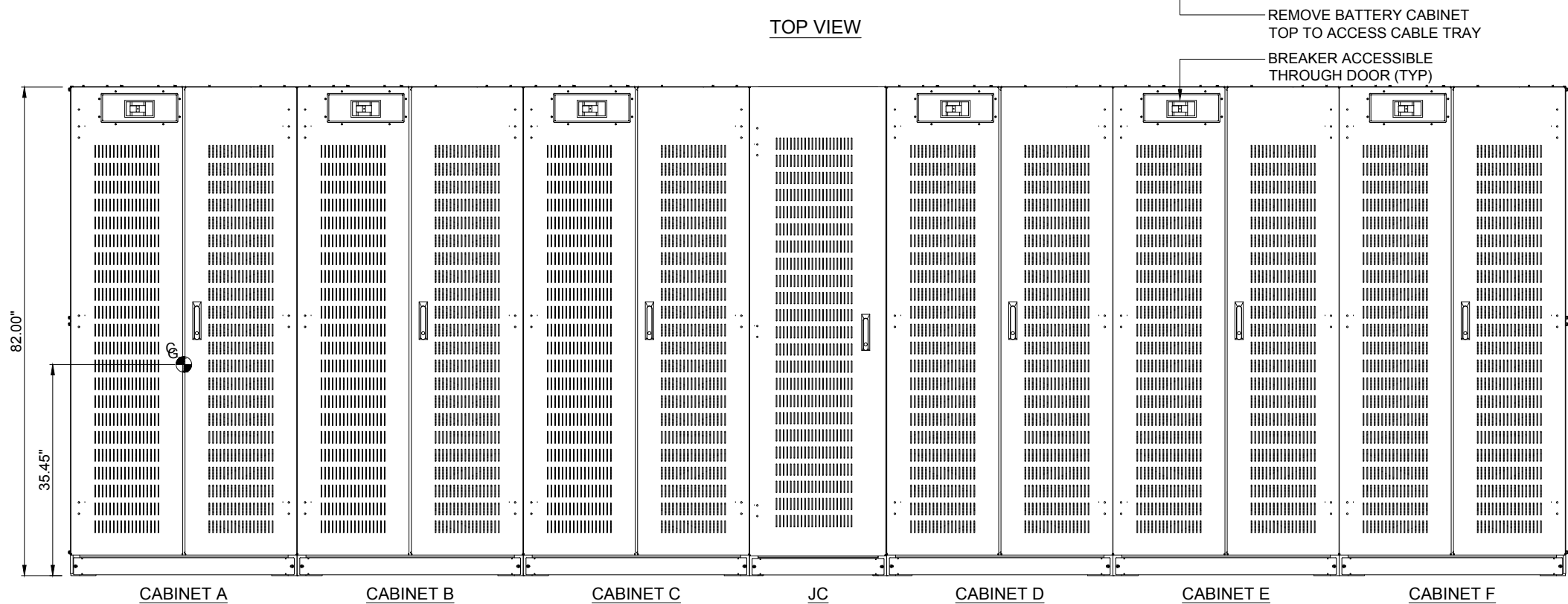
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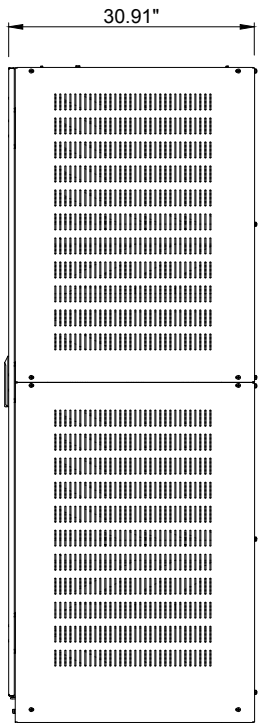
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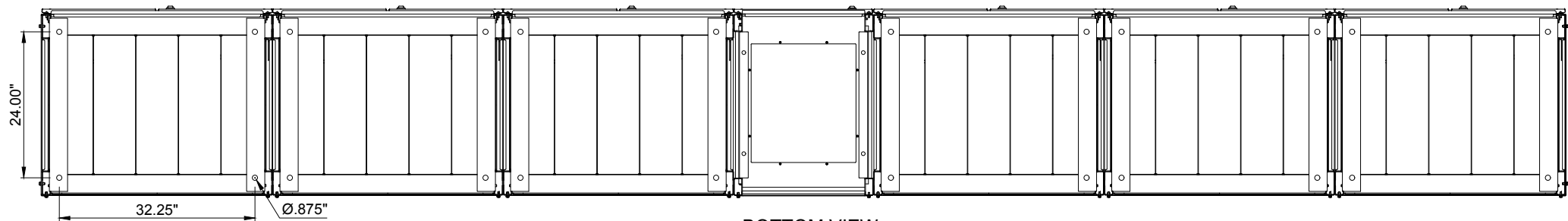
TOP VIEW



FRONT VIEW



SIDE VIEW



BOTTOM VIEW

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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

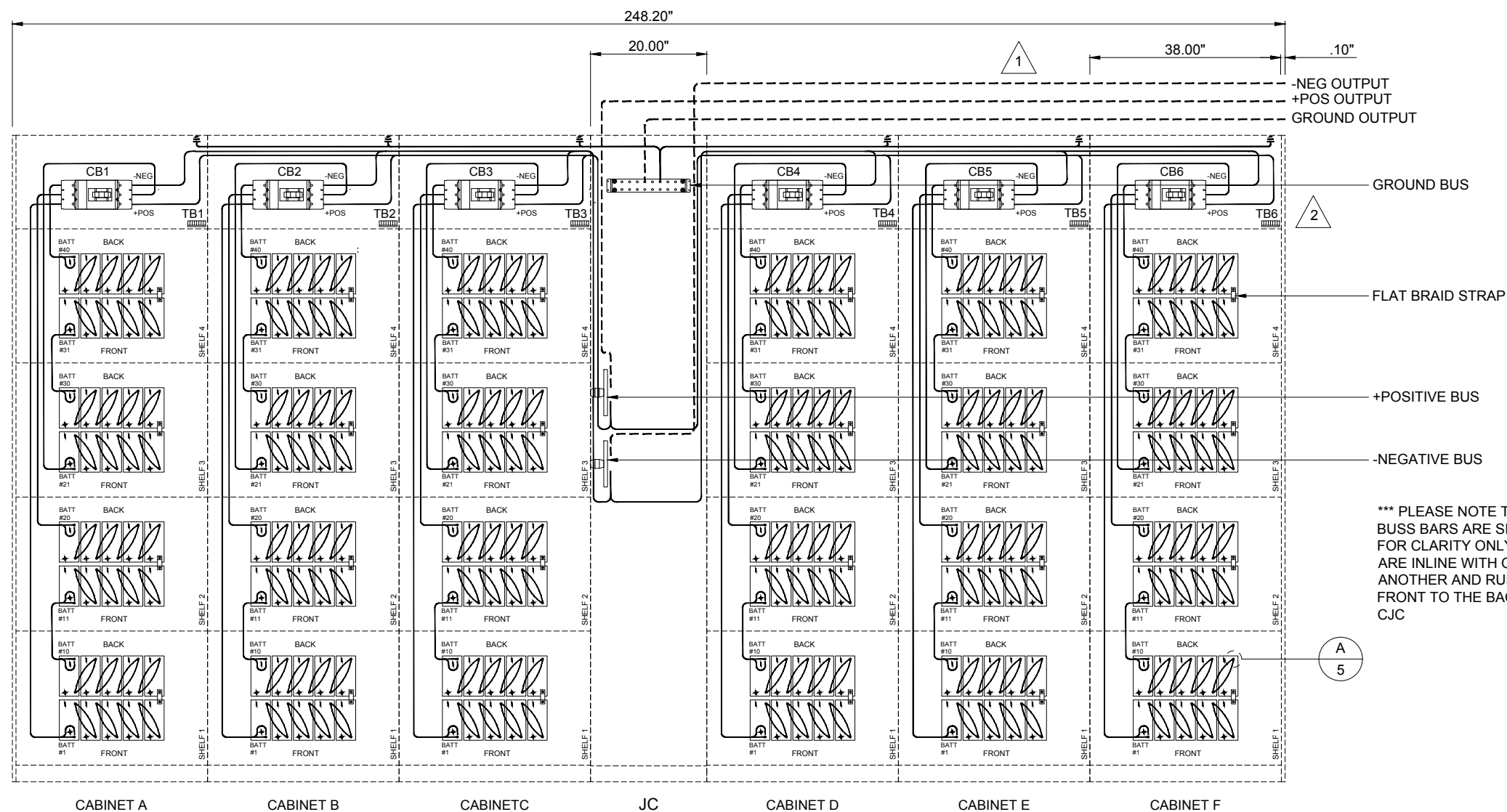
POSITIONING OF COMPONENTS  
ARE FOR ILLUSTRATION PURPOSES  
AND MAY NOT BE REPRESENTED IN  
THE EXACT LOCATION INDICATED.

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- 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.




\*\*\* PLEASE NOTE THAT THE  
BUSS BARS ARE SHOWN APART  
FOR CLARITY ONLY, BUSS BARS  
ARE INLINE WITH ONE  
ANOTHER AND RUN FROM THE  
FRONT TO THE BACK OF THE  
CJC



ELECTRICAL ILLUSTRATION

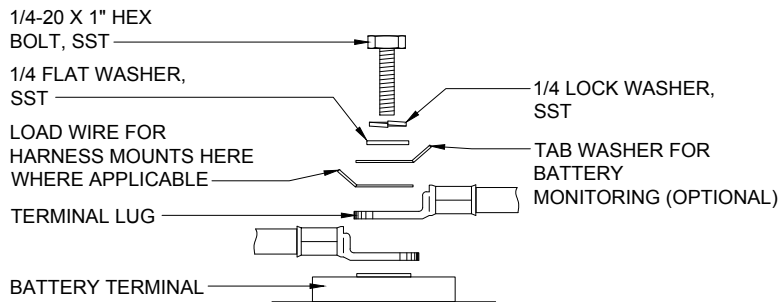
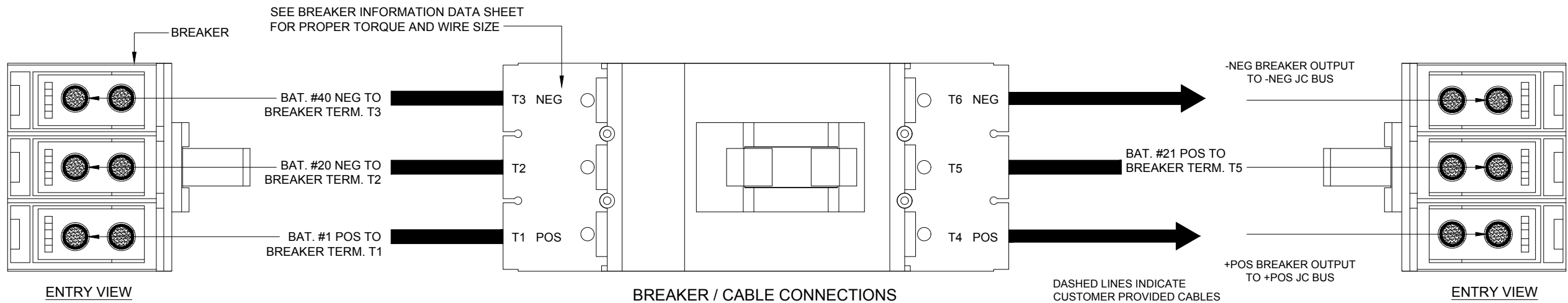
**ABB** MEGAFLEX UPS BATTERY SKU  
MGD1500-6-49-ALT

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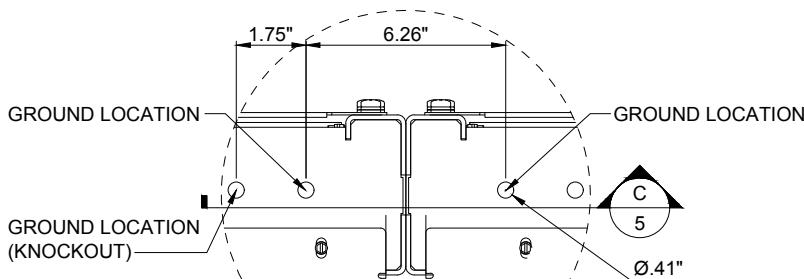


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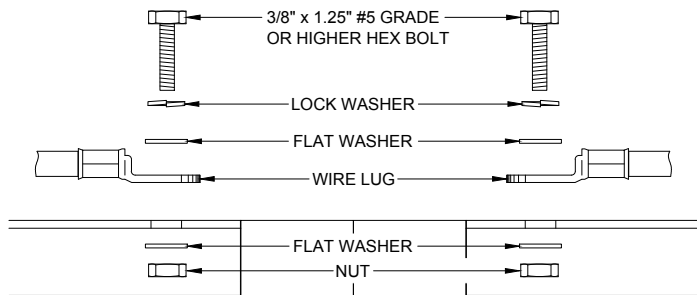
UPS12-305PLP, UPS12-355PLP, UPS12-405PLP, UPS12-495PLP, UPS12-545PLP, UPS6-605PLP  
TORQUE TO 110 IN-LBS.

MANUFACTURERS WEB SITE- <https://alpinepowersystems.com/backup-power-products/backup-batteries/ups-batteries/c-d-pure-lead-plus/>

DETAIL 'A'  
REF: SHEET 4



DETAIL 'B'  
REF: SHEET 3



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

DETAIL 'C'

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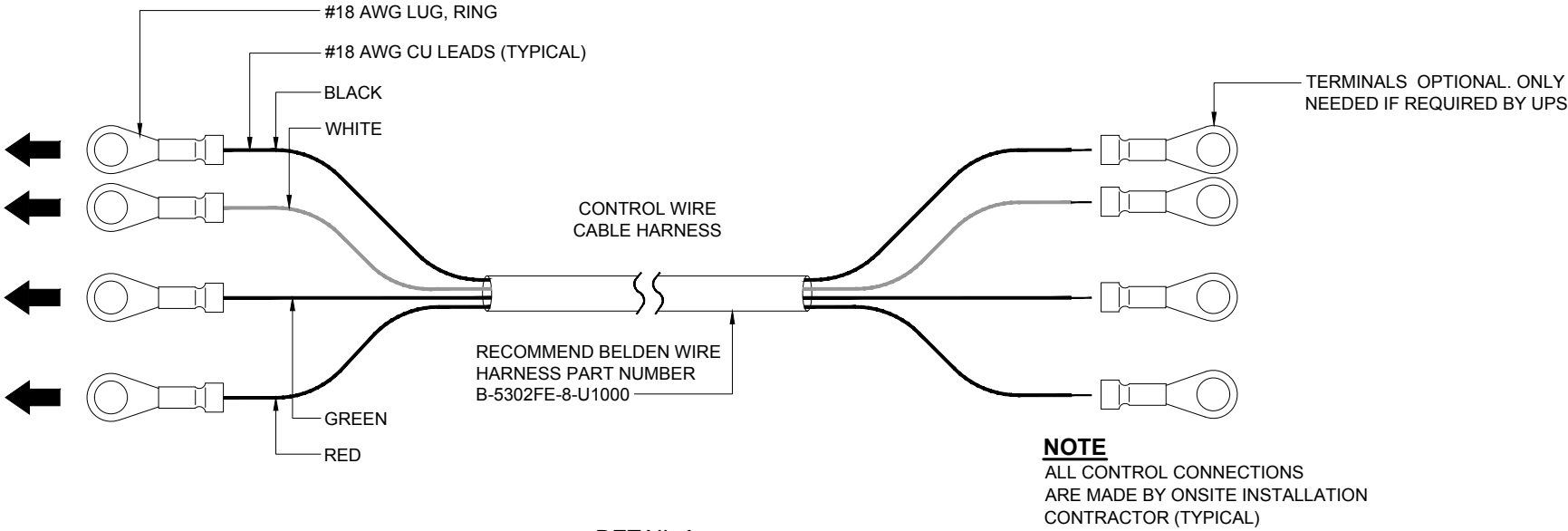
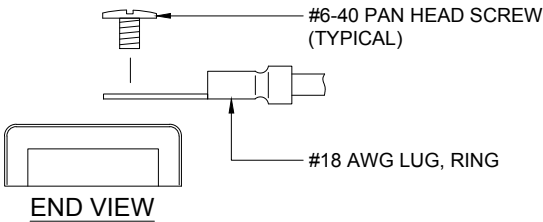
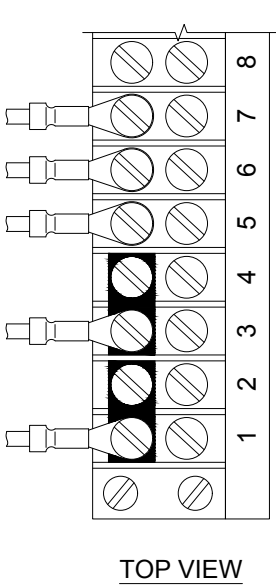
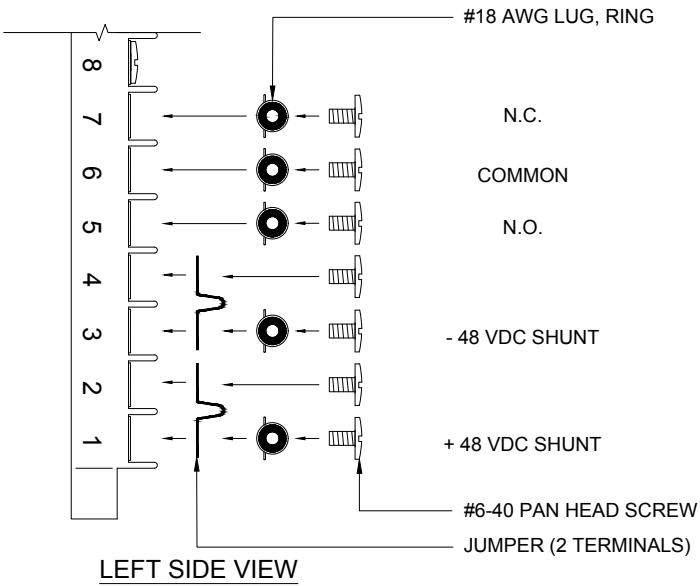
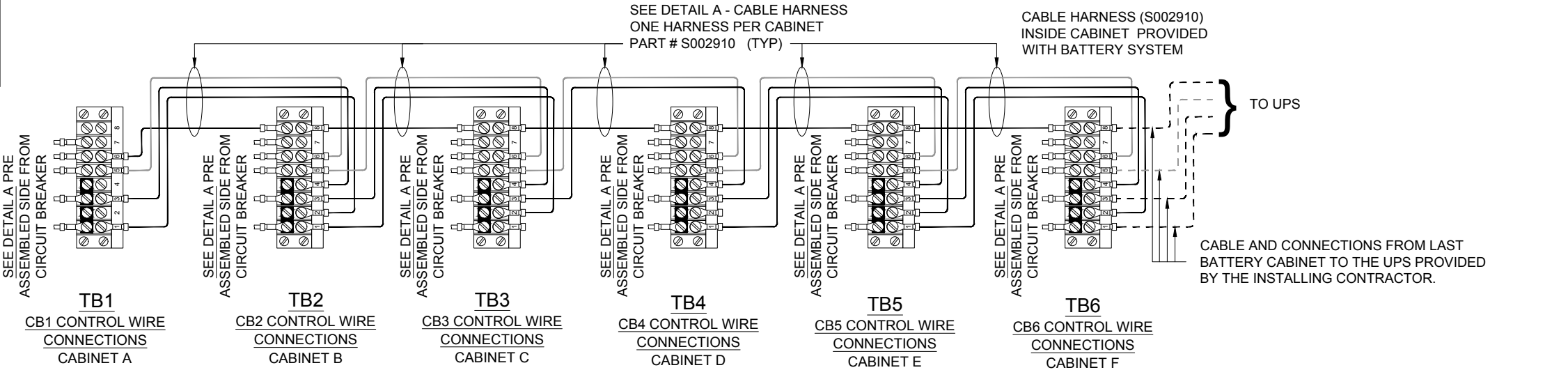
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ADJACENT BATTERY CABINET SYSTEM:  
ALL CABLE HARNESSES ARE PROVIDED IN BOTH THE BATTERY CABINET TO BATTERY CABINET CONNECTION INCLUDING THE BATTERY CABINET CABLE HARNESS TO THE UPS.

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



DETAIL A  
CONTROL WIRING DETAIL  
48 VDC SHUNT TRIP  
AND 2A/2B AUXILIARY CONTACTS

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