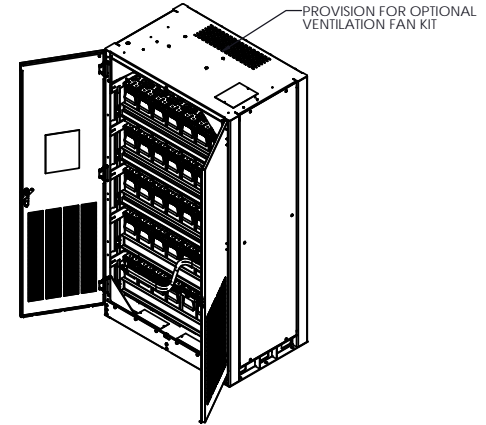
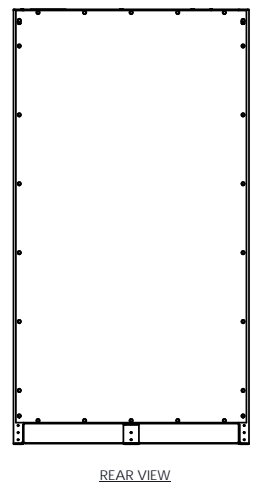


REMOVABLE SIDE PANELS ON RIGHT AND LEFT SIDE OF CABINET (PANELS ARE NON-STRUCTURAL, 16 GA THICK CAN ACT AS KNOCKOUT PANELS)



<PARA >CABINET NOTES:

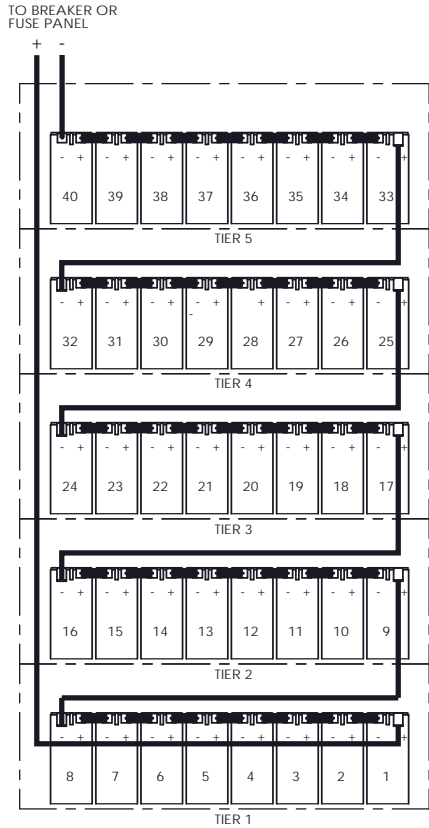
1. NEMA 1 DESIGN.
2. EMPTY CABINET WEIGHT 770 LBS (350 KG)
3. UL 1778 LISTED (UL FILE NO. E221214) ASSEMBLED AND FULLY TESTED AT THE FACTORY PRIOR TO SHIPPING.
4. FULLY WELDED FRAME. MANUFACTURED FROM HEAVY GAUGE STEEL.
5. POWDER COATED WITH A CORROSION AND CHIP RESISTANT, EPOXY HYBRID POWDER USING A FIVE STAGE EMERSON PRETREATMENT PROCESS. POWDER COAT IS OVEN BAKED.
6. BATTERIES CAN BE ACCESSED FROM FRONT, REAR, AND BOTH SIDES.
7. CUSTOM DESIGNED PALLETS FOR SHIPPING ANYWHERE LOCALLY, GLOBALLY (UPON REQUEST).
8. BATTERY CABINET CAN BE MOVED WITH A NORMAL PALLET JACK OR FORK LIFT FROM FRONT AND REAR. FROM SIDES, BATTERY CABINET CAN BE MOVED WITH ROLL-A-LIFT TYPE MOVER. ONLY LIFT BATTERY CABINET FROM BOTTOM.
9. BATTERIES ARE SECURED WITH NON-CONDUCTIVE STRAPPING FOR FOR SAFE TRANSIT.
10. STANDARD AND CUSTOM SPILL CONTAINMENT OPTIONS ARE AVAILABLE.
11. SEISMICALLY CERTIFIED TO IBC (2012), ASCE 7-1, CBC 2010.
12. SEISMIC CATEGORY DESIGN D (S_s=2.9), IMPORTANCE FACTOR 1.5

Part Number Scheme						
DIGIT 1-5	DIGIT 6	DIGIT 7-9	DIGIT 10-11	DIGIT 12	DIGIT 13-16	DIGIT 17-20
Cabinet	COLOR	BREAKER CURRENT	# BATTERY	BATT. MFG	BATT SIZE	BREAKER OPTIONS
	A = BEIGE B = BLACK	600	40	N = NARADA	0700 = HRL700	A01 - 24VDC UVR, AUX 1A/1B, BELL ALAM 1A/1B A02 - AUX 1A/1B, BELL ALAM 1A/1B

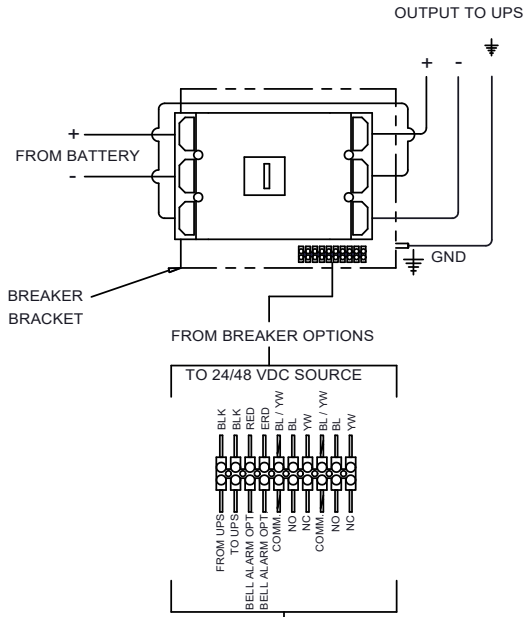
REVISIONS:	A: INITIAL RELEASE
	B: UPDATE VIEWS
	C: ADD NARADA 12HRL700 BATTERY TO BATTERY CONFIGURATION TABLES, UPDATE BREAKER SIZING TABLE, REMOVE FUSE OPTION. (RNA 08-21-19)
	D: UPDATE TYP BREAKER SIZING TABLE, BATTERY CONFIGURATION TABLE, BATTERY CABINET SPEC TABLE AND ELECTRICAL NOTES. (RNA 02-10-21)

ZONE

UNLESS OTHERWISE SPECIFIED		MITSUBISHI ELECTRIC POWER PRODUCTS, INC. WARRENDALE, PA.	
DIMENSIONS ARE IN INCHES DECIMALS		DRAWING TITLE: BATTERY CABINET, 12V, FRONT TERMINAL BATTERY	
ANGULAR MATCH: 5 BEND #1 TWO PLACE DECIMAL ±.005 THREE PLACE DECIMAL ±.005		CHECKED: RNA	DATE: 03-31-17
PROPRIETARY		ENGR. APPR: BCL	DATE: 05-11-21
This document is the property of Mitsubishi Electric Power Products, Inc. and contains proprietary and confidential information which must not be duplicated, copied or disclosed other than as expressly authorized by Mitsubishi Electric Power Products, Inc.		MFG. APPR:	DATE:
		FILE LOCATION:	PRODUCTION:
		DWG. NO: BCES5-SPEC	
		SHEET 1 OF 2	



BREAKER DETAIL



TO UPS
 AUXILIARY CONTACTS LISTED APPLICABLE WHEN
 BREAKER IS IN THE CLOSED (ON) POSITION

ELECTRICAL NOTES:

1. ALL CABLES USED ARE FLEXIBLE, UL LISTED, MINIMUM 105C.
2. ALL BREAKERS ARE UL RECOGNIZED.
3. ALL FUSES ARE UL RECOGNIZED, TYPE A50P, A70P OR EQUIVALENT (FUSED CABINETS ARE NOT LISTED PER UL 1778 STANDARD). ALWAYS REPLACE WITH SAME TYPE OR ITS EQUIVALENT.
4. BREAKERS ARE UL LISTED.
5. FOR SAFETY, VOLTAGE IS BROKEN BY NOT CONNECTING INTERCONNECT BUS BARS. AN INSTALLATION BUS KIT IS SHIPPED WITH ALL CABINETS.
6. ALL CONTROL WIRING IS POWERED FROM AN OUTSIDE SOURCE.
7. TERMINAL BLOCKS ARE UL RECOGNIZED, 600V RATED.
8. CABINETS ARE SHIPPED WITH THE BREAKER IN THE TRIPPED POSITION.
9. CABINET GROUND CONNECTION IS A 5/16-18 THREADED STUD.
10. CABLES BETWEEN BATTERY CABINET TO UNINTERRUPTIBLE POWER SUPPLY ARE SUPPLIED BY OTHERS.
11. FOR BATTERY TORQUE SPECIFICATIONS, REFERENCE THE LABEL ON THE BATTERY CASE.
12. FOR CIRCUIT BREAKER TORQUE SPECIFICATIONS, REFERENCE LABEL ON THE CIRCUIT BREAKER CASE.
13. USE INSULATED TOOLS.
14. DO NOT REST TOOLS OR CABLES ACROSS BATTERY

	500 KVA	750 KVA	1050	1200	1250	1400	1500	1600	1750	2000
BREAKER SIZE AMPS	600A	600A	600A	600A	600A	600A	600A	600A	600A	600A
BREAKER TIE CABLE	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0
INTERCELL CABLE	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0	(2) -2/0
UVR	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
ALARM AND AUX.	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

	SQUARE-D POWERPACT BREAKER SIZING					
BREAKER SIZE AMPS	200A	225A	250A	300A	350A	400A
A.I.C. RATING, 500DC	20,000 A.I.C.	20,000 A.I.C.	20,000 A.I.C.	20,000 A.I.C.	20,000 A.I.C.	20,000 A.I.C.
OUTPUT LUG SIZE	(1)3/0-350	(1)3/0-350	(1)3/0-350	(2)2/0-500	(2)2/0-500	(2)2/0-500
BREAKER SIZE AMPS	450A	500A	600	800		
A.I.C. RATING, 500DC	20,000 A.I.C.	20,000 A.I.C.	20,000 A.I.C.	20,000 A.I.C.		
OUTPUT LUG SIZE	(2)2/0-500	(2)2/0-500	(2)2/0-500	(4)4/0-400		
SQUARE-D POWERPACT BREAKER ACCESSORY CONTACT RATING						
VOLTAGE	24/48 VDC	240VDC	380VDC	240/380VDC	480 VAC	600/690VAC
AUXILIARY SWITCH	2.5 AMPS*	.5 AMPS*	.3 AMPS*	6 AMPS	6 AMPS	6 AMPS
BELL ALARM	2.5 AMPS	.5 AMPS*	.3 AMPS*	6 AMPS	6 AMPS	6 AMPS

*NON-CONDUCTIVE LOAD

BATTERY CONFIGURATION TABLE	
BATTERY MFG. / MODEL	MAXIMUM NUMBER OF BATTERIES PER CABINET
NARADA 12HRL700	40

BATTERY CABINET SPECS		
BATTERY USED (480V)	WEIGHT	DIMS (IN)
NARADA 12HRL700	5970	45.5 X 29.5 X 84.0

UNLESS OTHERWISE SPECIFIED		MITSUBISHI ELECTRIC POWER PRODUCTS, INC. WARRENDALE, PA.	
DIMENSIONS ARE IN INCHES DECIMALS	ANGULAR MATCH ± 5 BEND ±1 TWO PLACE DECIMAL ±.005 THREE PLACE DECIMAL ±.005	DRAWN	DATE
PROPRIETARY This document is the property of Mitsubishi Electric Power Products, Inc. and contains proprietary and confidential information which must not be duplicated, used or disclosed other than as expressly authorized by Mitsubishi Electric Power Products, Inc.	CHECKED	NAME	TITLE
	END APPR.	DATE	BATTERY CABINET, 12V, FRONT TERMINAL BATTERY
	MFG APPR.	REV	BCES5-SPEC
	FILE LOCK/CLIP	PRODUCTION	SHEET 2 OF 2