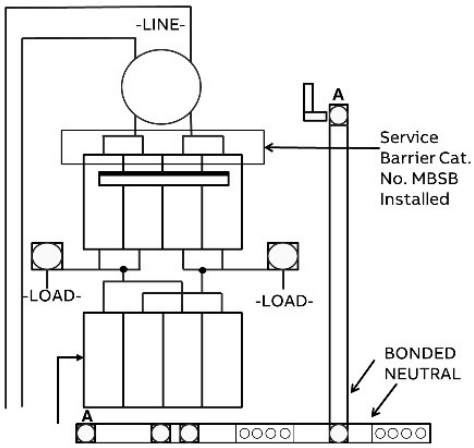
TYPICAL WIRING DIAGRAM

ENCLOSED PANELBOARD C-3024



USE CU/AL WIRE

ALUMINUM TERMINATIONS: TO HELP GUARD AGAINST OVERHEATING WHEN CONNECTING ALUMINUM WIRE IN CU/AL LUG, REMOVE OXIDE FILM FROM WIRE AND PROTECT IT WITH OXIDE INHIBITING COMPOUND.

SPACE FOR (4) SINGLE POLE. (2) DOUBLE POLE, OR (1) DOUBLE POLE AND 2 SINGLE POLE ABB AND/OR GE TYPE THHQL/THQL, THQLT & THQLQ

ITE/SIEMENS TYPE Q, SQUARE D HOMELINE, OR CUTLER HAMMER/BRYANT/WESTINGHOUSE TYPE BR BREAKERS.
TOTAL LOAD AMPS NOT TO EXCEED 150AMPS

THE MAXIMUM SHORT CIRCUIT RATING OF THIS DEVICE IS 22,000 RMS SYMMETRICAL AMPERES AT A MAXIMUM OF 120/240 VAC.THE MAXIMUM SHORT CIRCUIT RATING OF THIS DEVICE IS 10,000 RMS SYMMETRICAL AMPERES AT A MAXIMUM OF 120/240 VAC WHEN UTILIZING ITE/SIEMENS TYPE Q, SQUARE D HOMELINE OR CUTLER HAMMER/BRYANT/WESTINGHOUSE TYPE BR BRANCH BREAKERS IN SERIES WITH G.E./ABB MAIN BREAKER. REPLACEMENT CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURER AND TYPE DESIGNATION ANS SHAVE HAVE AN EQUAL OR GREATER SHORT CIRCUIT RATING. WATT-HOUR METER IS NOT INCLUDED IN SHORT CIRCUIT RATING.

ENCLOSED PANELBOARD
CAT. NO. M281CB1 MOD. 2

200 AMPS MAX 120/240 VOLTS AC
3 WIRE, 1 PHASE
TYPE 3R ENCLOSURE

USE ONLY 60 DEG. C (140 DEG. F) OR 75 DEG. C (167 DEG. F) CONDUCTORS ON ALL FIELD INSTALLED LINE, LOAD AND NEUTRAL TERMINATIONS.

- SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT

OVER CURRENT PROTECTION

IF BREAKER TRIPS, HANDLE WILL BE IN INTERMEDIATE POSITION. TO RESTORE SERVICE; 1. MOVE HANDLE TO “OFF” POSITION. 2. THEN TO “ON” POSITION.

LUG TIGHTENING TORQUE (IN-LB)

SCREW	WIRE SIZE	TORQUE
SLOT	14 - 10 8 6 - 4 3 - 2/0	32 - 35 36 - 40 41 - 45 45 - 50

SCREW	WIRE SIZE	TORQUE
INTERNAL HEX	3/16 ACROSS FLATS 1/4 ACROSS FLATS 5/16 ACROSS FLATS	108-120 180-200 248-275

WIRE RANGE

CONNECTOR	COPPER		ALUMINUM	
	SOLID	STRD	SOLID	STRD
LINE - METER SOCKET	--	6-4/0	--	6-4/0
LOAD -(BASE LUGS)	--	1-4/0	--	1-4/0
NEUTRAL -(A)	--	1-4/0	--	1-4/0
NEUTRAL/GROUND "B"	--	6-2/0	--	6-2/0
NEUTRAL/GROUND "C"	14-8	14-4	12-8	12-4

WHEN CABINET HAS PROVISIONS FOR A CONDUIT HUB, SELECT FROM THE CHART BELOW

CONDUIT SIZE	CLOSURE CAP	3/4	1	1 1/4	1 1/2	2	2 1/2
CAT. NO.	B01	B07	B10	B12	B15	B20	B25

WARNING: TO AVOID ACCIDENTAL CONTACT WITH LIVE PARTS, CLOSE ALL OPENINGS WITH BREAKERS OR FILLER PLATES: CAT.NO. 265A5003P1 FOR ONE-POLE FILLER PLATE OR CAT.NO. 265A5003P2 FOR TWO-POLE FILLER PLATE
AVERTISSEMENT: AFIN D´ÉVITER TOUT CONTACT ACCIDENTEL AVEC DES PARTIES SOUS TENSION, FERMEZ TOUTES LES OUVERTURES AVEC DES DISJONCTEURS OU DESPLAQUES DE REMPLISSAGE. NO. CAT. 265A5003P1 POUR PLAQUE DE REMPLISSAGE À UN PÔLE.

DANGER

HAZARD OF ELECTRICAL SHOCK OR BURN. TURN OFF POWER BEFORE WORKING INSIDE THIS EQUIPMENT.

RISQUE D´ÉLECTROCUTION OU DE BRÛLURE ÉTEINDRE TOUTES LES SOURCES D´ALIMENTATION DE L´ÉQUIPMENT AVEC D´Y TRAVALIER.

MIDWEST ELECTRIC PRODUCTS, INC
305 GREGSON DRIVE
CARY, NC 27511
WWW.MIDWESTELECTRIC.COM
SAL430@
MNP601971 REV. E