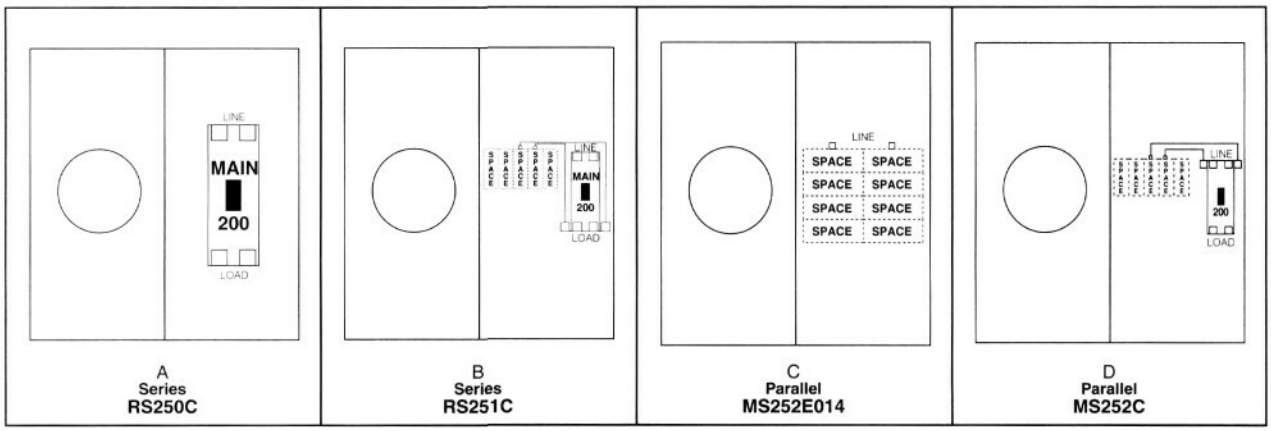
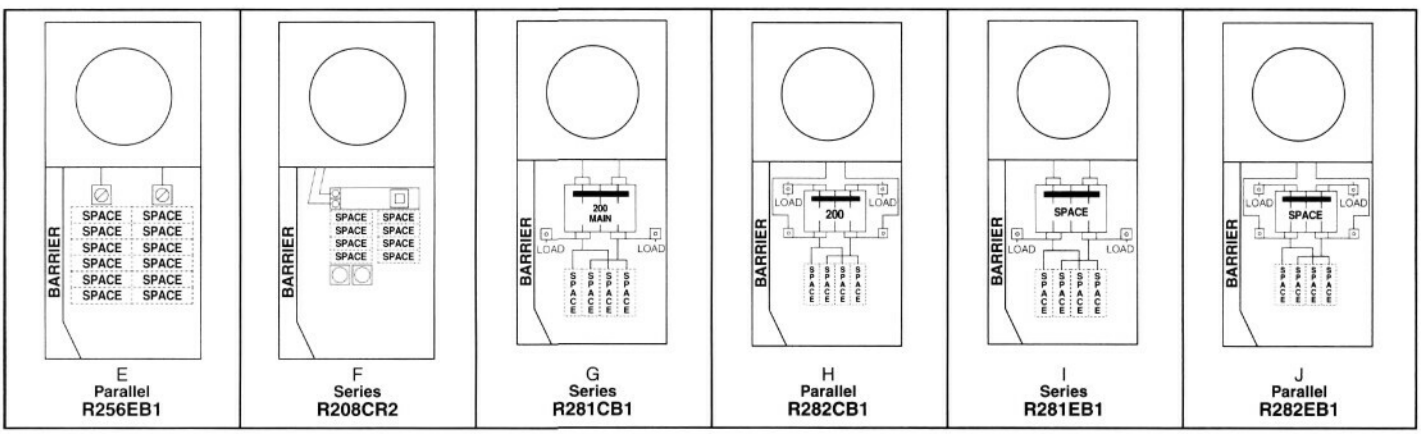
Service Equipment - Surface

200A - Metered



Side by Side - Overhead/Underground Feed

FIG.	MODEL NUMBER	MAIN BREAKER	SPACES	WIRE RANGE*	CABINET SIZE	LOAD CENTER	UNIT WT.	STD. PKG.	UL
A	**RS250C +**	CB2201	0	BC	17 X 26	—	41	1	Y
B	**RS251C +**	CBL2201	5	BC	17 X 26	LC55N1	50	1	Y
C	**MS252E014** [1,2]	—	8	BC	14 X 31	Contact Factory	39	1	Y
D	**MS252C**	LCB2201	5	BC	17 X 26	LC55N1	43	1	Y



Overhead/Underground Feed

FIG.	MODEL NUMBER	MAIN BREAKER	SPACES	WIRE RANGE*	CABINET SIZE	LOAD CENTER		UNIT WT.	STD. PKG.	UL
						TOP	BOTTOM			
E	**R256EB1**	—	12	—	14 X 26	—	—	32	1	Y
F	**R208CR2A +**	CB2200B	8	AN	14 X 38	—	—	46	1	Y
G	**R281CB1 +**	CB4200H	4	BH	14 X 28	LCTNL	LCBS	34	1	Y
H	**R282CB1 +**	CB4200H	4	BH	14 X 28	LCTL	LCBS	35	1	Y
I	**R281EB1 +**	—	5	BH	14 X 28	LCTNL	LCBS	33	1	Y
J	**R282EB1 +**	—	5	BH	14 X 28	LCTL	LCBS	33.2	1	Y

[1] **EUSERC Approved**

[2] **Space for 4-1 Pole Breakers or 200A Main and 2-1 Pole Breakers**

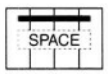
* **Wire Range Table on pages 34, 35**

+ Also Available in Ring Type - Replace R with M

Data subject to change without notice.

How to Use This Catalog

Model Diagram Symbol Key

	Meter Socket		Circuit Breaker space: 2-pole Plug-In Style
	Circuit Breaker Installed: 1-pole Plug-In Style		KR Style Main Breaker
	Circuit Breaker Installed: 2-pole Plug-In Style		KR Style Main Breaker Space
	Circuit Breaker space: 1-pole Plug-In Style		For Receptacle Identification. See Application Data

Model Number System Key

Model Numbers are based on the following system:

Example: Model Number U041CP6

U **0 4 1** **C** **P6**

unmetered — *series number* — *circuit breaker* — *Earth Burial Post*

METERING

M = Ring Type Meter Socket

R = Ringless Meter Socket

U = No Meter Socket

SERIES NUMBER

Assigned by Midwest

TYPE OF PROTECTION

C = Circuit Breaker

E = Empty Spaces for Field-Installed Breakers

F = Fuse

G = Ground Fault Protection

H = Hybrid: Combination of Different Protection
EXAMPLE: Fuse/Switch

P = Puller—No Fuse

T = Circuit Breaker with Triple Tap Lugs

OPTIONS

B4 = Back to Back Pad Mounted Post

B6 = Back to Back Earth Burial Post

H = Head Post Design.

HP = Head Post Design

P4 = Pad Mounted Post

P6 = Earth Burial Post

R1 = Vertical Barrier for Meter Compartment

R2 = Horizontal Barrier Between Meter and Circuit Breaker Compartments. Vertical Barriers in Both Meter and Circuit Breaker Compartments.

S4 = Stud Termination Pad Mounted Post

S6 = Stud Termination Earth Burial Post

TL = Twin Lugs Per Phase (Loop-feed for Surface Mount Units)

W4 = Back to Back, Stud Termination Pad Mounted Post

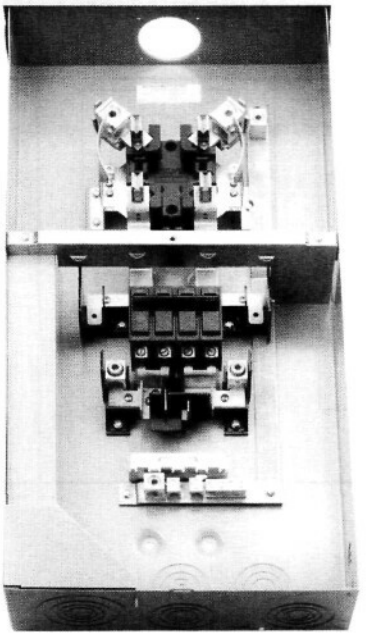
W6 = Back to Back, Stud Termination Earth Burial Post

Service Equipment

Application Information

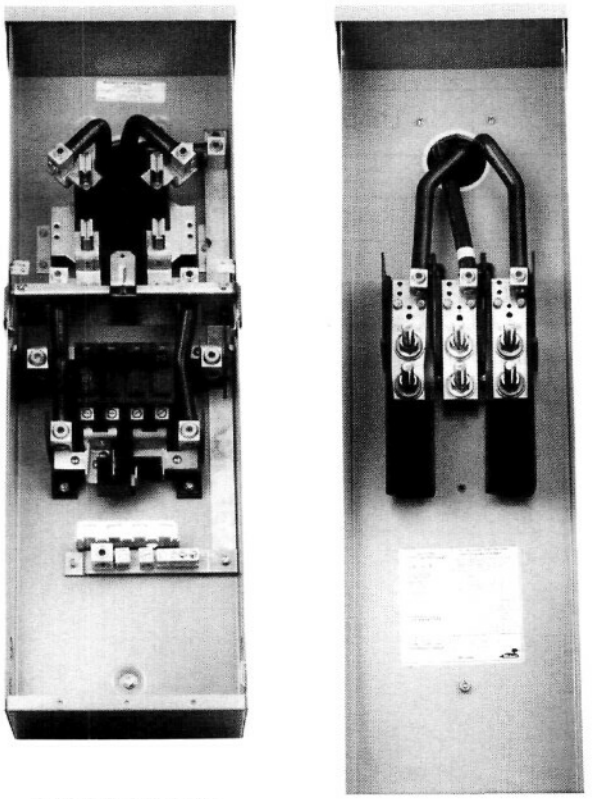
Where electrical power enters a building or other structure, the National Electrical Code (NEC) requires electrical distribution equipment rated as "Service Entrance." Such service equipment usually consists of one main breaker disconnect or space for up to 6 submain disconnects (Ref. '99 NEC Article 230). Midwest Models meet these NEC requirements and are UL listed as service entrance equipment.

These service entrance products are typically utilized on single family residences and mobile homes. Additionally, service entrance for mobile homes is generally located within 30 feet of the mobile home (Ref. '99 NEC Article 550-23). This location requirement by the NEC and the common use of underground service feeders combine to make service entrance on a pedestal the preferred installation method by many park owners. Midwest offers a broad range of pedestal units, all factory assembled and wired with loop feed lugs to reduce installation time and labor expense. Midwest also offers a wide selection of surface units for single family residences and mobile home sites.



R281CB1

FRONT **BACK**



M282C1S6H

Specifications and Features

All models:

- Heavy galvanized "G90" steel with highest quality electrodeposition finish resists corrosion and fading
- 200 or 125 amp continuous duty meter socket with meter guides and reinforced jaws for ring and ringless type sockets
- Utility meter socket compartment barriered from breaker mains for utility power protection
- UL listed "Suitable for use as service equipment"
- Rated NEMA 3R - weather proof equipment
- All terminals accept copper or aluminum wire for added installation flexibility
- Doors have a padlock provision to keep out unauthorized personnel
- Supplied with 12-2 Cu/Al equipment ground lug

Post models:

- Factory wired loop feed lugs
- Removable post door allows lay in wiring
- Rolled edge post bottoms to protect service cable
- Posts available with stud terminations to accept compression type lugs
- "HP" models meet EUSERC utility requirements
- Locking hasp for utility seal on post covers

Service Equipment

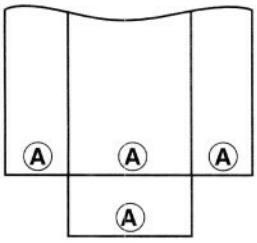
Technical Data

MODEL NUMBER	HUB OPENING	REPLACEMENT PARTS		CABINET SIZE	ENCLOSURE STYLE page 30	CABINET DIMENSIONS			KNOCKOUT FIGURE page 31	AIC
		METER SOCKET	POST LUGS			HEIGHT A	WIDTH B	DEPTH C		
MS250C	Y	MW200M	—	16 X 17	E	17-1/4"	16-3/4"	5"	9	10,000
MS251C	Y	MW200M	—	17 X 26	E	26-1/4"	17-1/2"	5-1/2"	10	10,000
MS252C	Y	MW200M	—	17 X 26	E	26-1/4"	17-1/2"	5-1/2"	10	10,000
MS252E014	Y	①	—	14 X 31	E	14-3/4"	31-5/16"	5-7/8"	7B	10,000
MS462E014	Y	①	—	14 X 24	E	14-3/4"	24"	4-3/4"	7A	10,000
R100C	Y	MSR100930	—	9 X 30	C	30"	9-3/4"	5-3/16"	3	10,000
R100T	Y	MSR100930	—	9 X 30	C	30"	9-3/4"	5-3/16"	3	10,000
R101C	Y	MSR100P9	—	9 X 30	C	30"	9-3/4"	5-3/16"	3	10,000
R101CB2	Y	—	—	14 X 26	D	26-1/4"	14-3/4"	4-9/16"	6	10,000
R101CB6	N	MSR100P9	LT100B250	9PT	*See page 32*					10,000
R101CB6HP	N	MSR100P9	LT200B350	9HP	*See page 32*					10,000
R101CP6	N	MSR100P9	LT100S250	9PT	*See page 32*					10,000
R101CP6HP	N	MSR100P9	LT200S350	9HP	*See page 32*					10,000
R102CB2	Y	—	—	14 X 26	D	26-1/4"	14-3/4"	4-9/16"	6	10,000
R102E	Y	MSR10014	—	9 X 30	C	30"	9-3/4"	5-3/16"	3	10,000
R154CP6	N	MSR100P9	LT100S250	14PT	*See page 32*					10,000
R200T	Y	MW200R	—	14 X 38	C	38-3/8"	14-3/4"	6-3/8"	8	10,000
R204GP6	N	MW200R	LT200S350	14PT	*See page 32*					10,000
R208CP6HP	N	MW200R	LT200S350	14PT	*See page 32*					10,000
R208CR2A		MW200R	—	14 X 38	C	38-3/8"	14-3/4"	6-3/8"	8	
R225CP6	N	MW200R	LT200S350	14PT	*See page 32*					10,000
R256EB1		MW200R	—	14 X 26	D	26-1/4"	14-3/4"	4-9/16"	6	
R280T	Y	MW200R	—	9 X 32	C	32-1/4"	9-3/4"	5-11/16"	4	10,000
R280TP6HP	N	MW200R	LT200S350	9HP	*See page 32*					10,000
R281C1	Y	MSRS	—	9 X 30	D	30-1/4"	9-5/16"	4-3/4"	12	22,000
R281C1034	Y	MS200LBM	—	14 X 32	D	32-1/2"	14-1/2"	5-7/16"	15	22,000
R281C1B6H	N	MSRP	LT200B350	6H	D	30-1/4"	9-5/16"	4-3/4"	12	22,000
R281C1P6H	N	MSRP	LT200S350	6H	D	30-1/4"	9-5/16"	4-3/4"	12	22,000
R281C1P6H034	N	MS200LBM	LT200S350	6H034	*See page 33*				15	22,000
R281CB1	Y	MSRS	—	14 X 28	D	28-5/8"	14-3/8"	4-3/4"	13	22,000
R281E1B6H	N	MSRP	LT200B350	6H	D	30-1/4"	9-5/16"	4-3/4"	12	22,000
R281E1P6H	N	MSRP	LT200S350	6H	D	30-1/4"	9-5/16"	4-3/4"	12	22,000
R281EB1	Y	MSRS	—	14 X 28	D	28-5/8"	14-3/8"	4-3/4"	13	22,000
R282C1B6H	N	MSRP	LT200B350	6H	D	30-1/4"	9-5/16"	4-3/4"	12	22,000
R282C1P6H	N	MSRP	LT200S350	6H	D	30-1/4"	9-5/16"	4-3/4"	12	22,000
R282CB1	Y	MSRS	—	14 X 28	D	28-5/8"	14-3/8"	4-3/4"	13	22,000
R282E1P6H	N	MSRP	LT200S350	6H	D	30-1/4"	9-5/16"	4-3/4"	12	22,000
R282EB1	Y	MSRS	—	14 X 28	D	28-5/8"	14-3/8"	4-3/4"	13	22,000
R285T	Y	MW200R	—	9 X 32	C	32-1/4"	9-3/4"	5-11/16"	4	10,000
R621GP6	N	MW200R	LT200S350	14PT	*See page 32*					10,000
RS150C	Y	MW200R	—	17 X 26	E	26-1/4"	17-1/2"	5-1/2"	10	10,000
RS250C	Y	MW200R	—	17 X 26	E	26-1/4"	17-1/2"	5-1/2"	10	10,000
RS251C	Y	MW200R	—	17 X 26	E	26-1/4"	17-1/2"	5-1/2"	10	10,000
U101C	Y	—	—	9 X 17	B	17-3/8"	9-3/4"	5-3/16"	3	10,000

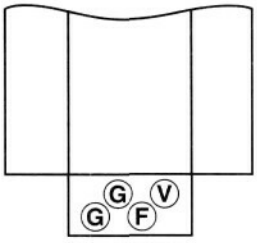
① **Contact Factory**

Data subject to change without notice.

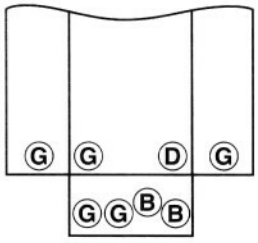
Knockout Configurations



(Fig. 1)



(Fig. 2)



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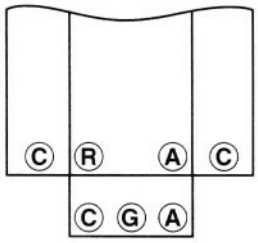
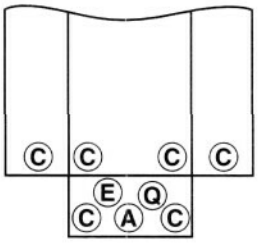
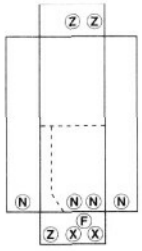


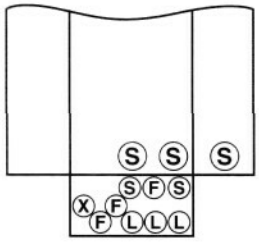
(Fig. 4)



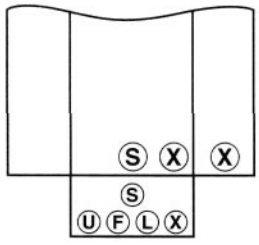
(Fig. 5)



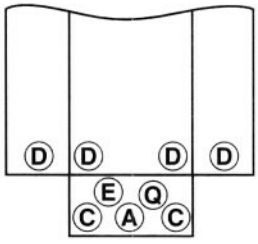
(Fig. 6)



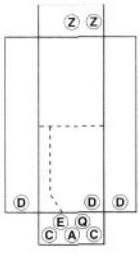
(Fig. 7A)



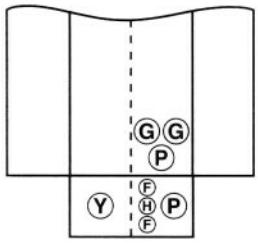
(Fig. 7B)



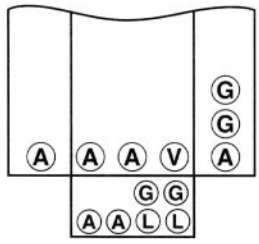
(Fig. 8)



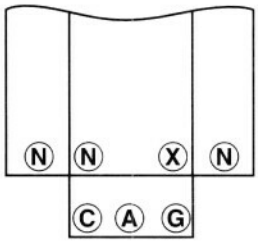
(Fig. 8A-M208CRA2 Only)



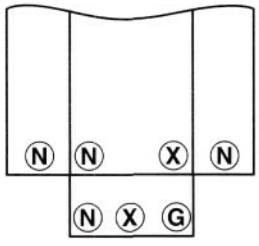
(Fig. 9)



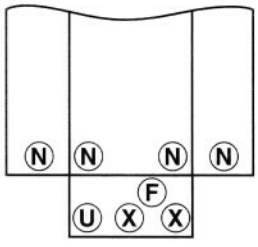
(Fig. 10)



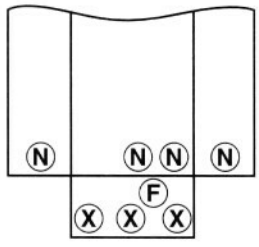
(Fig. 11)



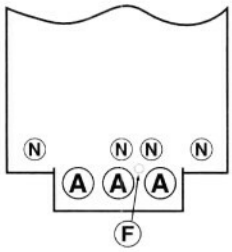
(Fig. 12)



(Fig. 13)



(Fig. 14)



(Fig. 15)

KEY

A= 1-1/2", 2", 2-1/2"
B= 1", 1-1/4", 1-1/2"
C= 1-1/4", 1-1/2", 2"
D= 3/4", 1", 1-1/4"
E= 3/4"
F= 1/2"
G= 1/2", 3/4", 1"
H= 9/32"
L= 1/2", 3/4"
N= 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
P= 1-1/4", 1-1/2", 2", 2-1/2"
Q= 1"
R= 3/4", 1", 1-1/4", 1-1/2", 2"
S= 1/2", 3/4", 1", 1-1/4", 1-1/2"
U= 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"
V= 3/4", 1", 1-1/4", 1-1/2"
X= 1/2", 3/4", 1-1/4", 1-1/2", 2", 2-1/2"
Y= 1-1/4", 1-1/2", 2", 2-1/2", 3"
Z= 2-1/2", Max Hub Opening

① KO's shown for size, not for exact positions.

Service Equipment

TABLE AP

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line Main Lugs	- - - -	1/0-250 KCMIL	- - - -	1/0-250 KCMIL
Load CB Base	- - - -	- - - -	- - - -	- - - -
Neutral LG SINGLE LUGS	- - - -	2-250 KCMIL	- - - -	2-250 KCMIL
Neutral SM SINGLE HOLES	14-8	14-1/0	12-8	12-1/0
Neutral 6 LARGE HOLES	14-8	10-4	- - - -	6-4
Neutral SMALL HOLES	14-8	12-8	12-8	12-8
Equip. Grnd.	12-8	12-2	12-8	12-2

TABLE AW

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	- - - -	1/0-4/0	- - - -	1/0-4/0
Load	- - - -	1/0-4/0	- - - -	1/0-4/0
Neutral	- - - -	2-4/0	- - - -	2-4/0
Equip. Grnd.	12-8	12-2	12-8	12-2

TABLE AX

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	- - - -	1/0-4/0	- - - -	1/0-4/0
Load	- - - -	1/0-4/0	- - - -	1/0-4/0
Neutral A	- - - -	2-4/0	- - - -	2-4/0
Neutral B	12-8	12-1/0	10-8	10-1/0
Neutral C	14-8	14-4	12-8	12-4
Equip. Grnd.	12-8	12-2	12-8	12-2

TABLE AY

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	14-8	14-1/0	12-8	12-1/0
Load	14-8	14-1/0	12-8	12-1/0
Neutral	14-8	14-1/0	12-8	12-1/0
Equip. Grnd.	12-8	12-2	12-8	12-2

TABLE BA

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	- - - -	2-4/0	- - - -	2-4/0
Load	- - - -	2-4/0	- - - -	2-4/0
Neutral	- - - -	2-4/0	- - - -	2-4/0
Equip. Grnd.	12-8	12-2	12-8	12-2

TABLE BC

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	- - - -	1/0-250	- - - -	1/0-250
Load	- - - -	1/0-250	- - - -	1/0-250
Neutral	- - - -	2-250	- - - -	2-250
Neutral	12-8	12-1/0	10-8	10-1/0
Neutral	14-8	14-4	12-8	12-4
Equip. Grnd.	- - - -	2-250	- - - -	2-250
Equip. Grnd.	14-8	14-1/0	12-8	12-1/0

TABLE BD

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	- - - -	1/0-4/0	- - - -	1/0-4/0
Load	- - - -	2-4/0	- - - -	1/0-4/0
Neutral	- - - -	2-4/0	- - - -	1/0-4/0
Equip. Grnd.	12-8	12-2	12-8	12-2

TABLE BE

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	- - - -	1/0-4/0	- - - -	1/0-4/0
Load	- - - -	2-4/0	- - - -	2-4/0
Neutral	- - - -	2-4/0	- - - -	2-4/0
Equip. Grnd.	12-8	12-2	12-8	12-2

TABLE BF

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	- - - -	1-4/0	- - - -	2/0-4/0
Load	- - - -	1-4/0	- - - -	2/0-4/0
Neutral	- - - -	1-4/0	- - - -	1-4/0
Equip. Grnd.	- - - -	6-2/0	- - - -	6-2/0

TABLE BG

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	- - - -	1-4/0	- - - -	2/0-4/0
Load	- - - -	1-4/0	- - - -	2/0-4/0
Neutral A	- - - -	1-4/0	- - - -	1-4/0
Neutral/Grnd. B	- - - -	6-2/0	- - - -	6-2/0
Neutral/Grnd. C	14-8	14-4	12-8	12-4

TABLE BH

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
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/Grnd. B	- - - -	6-2/0	- - - -	6-2/0
Neutral/Grnd. C	14-8	14-4	12-8	12-4

TABLE BJ

Connector	Copper	
	Solid	Strand
Line METER SOCKET	- - - -	6-4/0
Load BASE LUGS	- - - -	1-4/0
Neutral A	- - - -	1-4/0
Neutral/Grnd. B	- - - -	6-2/0
Neutral/Grnd. C	14-8	14-4

TABLE BK

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line METER SOCKET	- - - -	6-350 mcm	- - - -	6-350 mcm
Load BASE LUGS	- - - -	1-4/0	- - - -	1-4/0
Neutral A	- - - -	1-4/0	- - - -	1-4/0
Neutral/Grnd. B	- - - -	6-2/0	- - - -	6-2/0
Neutral/Grnd. C	14-8	14-4	12-8	12-4