EPiK

BREAKER PANELS

THE STRONGEST LINK.

STAHL

THE SMARTER CHOICE FOR

EXPLOSION PROTECTED CIRCUIT BREAKER PANELS

EPiK Circuit Breaker Panel

Classifications

NEC

Class I, Zone 2, IIB + H_2 T4
Class I, Division 2, Groups B, C & D, T4

CEC

Main Lug Only (Terminals)
Zone 2 Group IIC T4
Class I, Division 2 Groups B, C & D, T4
With Main Breakers
Class I, Division 2 Groups C, D & T4

Environmental Protection

Type 3, 4, 4X; IP66

Applications

- For Hazardous classified locations due to explosive gas atmospheres.
- Applications requiring over current and short circuit protection for power, lighting, and heat tracing.
- Petroleum refineries, oil sands, chemical and petrochemical facilities with indoor or outdoor processes.

Features

- 316L Stainless Steel housing provides high corrosion resistance; extending the life and safety of your system.
- Panel can be quickly opened in the field while energized for easier servicing.
- Optional external handles are extremely easy to operate. Simply actuate the breakers by turning the external handle.
- Lightweight and easy to install compared to traditional explosion proof cast and bolted systems. Expensive lift equipment often not needed.
- R. STAHL 8562 series circuit breakers meet all North American requirements including UL489.
- Main and Branch Breaker handles are padlockable in the OFF position.
- 5 mA and 30 mA GFCIs and GFEPs are also available for ground fault protection.
- Main Breakers available up to 225 Amps.
- Seamless Silicone Foam in place gaskets exclude contaminants and liquids ensuring long life of interior components.
- No cable or Conduit Seals are required, allowing for fast installation and lowering overall installed cost.
- Cable entries are easily punched in the field. No drilling and tapping required.
- Gland plates are available for field entries.

SAVE INSTALLATION TIME

- Avoid removing dozens of bolts as with traditional explosion proof cast aluminum systems.
- No expensive and labor intensive conduit seals.
- No drilling and tapping enclosures.
- Light weight design (No need for expensive lift equipment).

LAST LONGER

- 316L Stainless Steel, outlasts traditional cast aluminum enclosures in corrosive environments.

WORK SAFER

- Finger safe construction prevents accidental contact with live parts.
- Padlockable breaker and handles.
- Optional external handle mechanisms minimize the need to open the panel.

BREAKERS TESTED TO UL489 AND ARE CERTIFIED TO CLASS 1, DIVISION 2 CLASS 1, ZONE 2

EPiK Circuit Breaker Panel

Ordering Information

Description: 36 Circuit Panel, 208 /120V with a 225 Amp Main Breaker and (24) 1-pole 20 Amp Breaker, (2) 1-pole 20 Amp EPD, (2) 1-pole 30 Amp Beaker with a Drain, Internal Ground Bar and External Handles.

Example 7150/5-

5-	2-	MB225-	241P20- 21P20EPD- 21P30-	D-IGB-EH

Number of Circuits = Enclosure Size

1 = 12
2 = 18
3 = 24
4 = 30
5 = 36
6 = 42

Wiring System

1 = 240 / 120V (1PH - 3W)
2 = 208 / 120V (3PH - 4W
3 = 480 / 277V (3PH - 4W)

Main Lug / Main Breaker Size

MLO100 = 100 Amp Main Lug Only (Terminals)
MLO150 = 150 Amp Main Lug Only (Terminals)
MLO225 = 225 Amp Main Lug Only (Terminals)
MB100 = 100 Amp Main Breaker
MB150 = 150 Amp Main Breaker
MB225 = 225 Amp Main Breaker
MBxxx = xxx Amp Main Breaker (Specify Amp Rating)

Branch Breaker (QTY, Poles, AMP)

xx = Number of Breakers
1P = 1 Pole Breaker
2P = 2 Pole Breaker
3P = 3 Pole Breaker
yy = Amp Rating of Breaker
EPD = 30 mA Breaker * - 120 Vac 1P+N
GFCI = 5mA Breaker * - 120 Vac 1P+N
GFI = 30mA Interrupter* - No Overcurrent 480Y / 277 Vac
**Takes 2 circuits*

Breaker Information

MCB - 10A - 40A
EPD - 15A, 20A, 30A
GFCI - 15A, 20A, 25A, 30A
GFI- Consult Factory

Please consult factory for other configuration

Options

Suffix for options must be listed.

Main Breaker Option:
Aux. Switch 1NO/1NC **(AS1)**
Aux. Switch 2NO/2NC **(AS2)**
Undervoltage Release **(UV)**
Bell Alarm **(BA)**
Shunt Trip **(ST)**

Panel Options:
Breather \ Drain **(D)**
Internal Ground Bar **(IGB)**
External Grounding Stud **(EGS)**
Mounting Hardware **(MH)**
External Handles **(EH)**
Load Side Wiring to Terminals **(FW)**
Load Side Terminals only **(LT)**
Gland Plate Top **(GPT)**
Gland Plate Right **(GPR)**
Gland Plate Left **(GPL)**
Gland Plate Bottom **(GPB)**

Control Devices:
Space Heater **(SH)**
Thermostat **(TS)**

Main Panel Nameplate:
Standard: Gravoply nameplate Size 2"x4" **(SMPN)**
Option: Stainless nameplate size 2"x4" **(OMPN)**

Branch Breaker Nameplate:
Standard: Gravoply nameplate **(SBBN)**
Option: Stainless nameplate **(OBBN)**

Back Fed Main **(BF)***
**Subtract the required space from number of circuits in system, 40A maximum.*

EPiK Circuit Breaker Panel

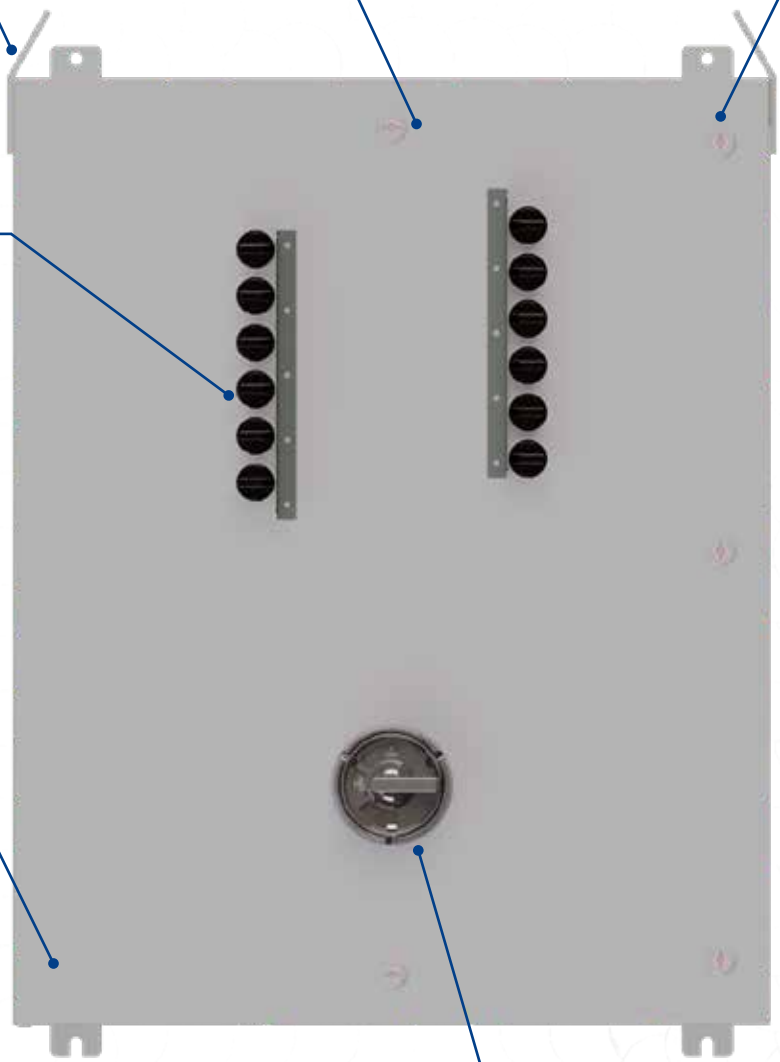
External Handle Option

LIFTING HOOKS
Standard in all panels.

316L STAINLESS STEEL
Superior corrosion resistance.

CAM LOCK FASTENERS
For easy opening. Eliminate the need for bolts found on heavy cast explosion proof enclosures.

LOCKOUT CAPABILITY
Optional self aligning external circuit breaker handle.



LIGHTWEIGHT
Stainless steel enclosure eliminates the need for heavy cast enclosures.

LOCKABLE HANDLE
Robust external main breaker handle.

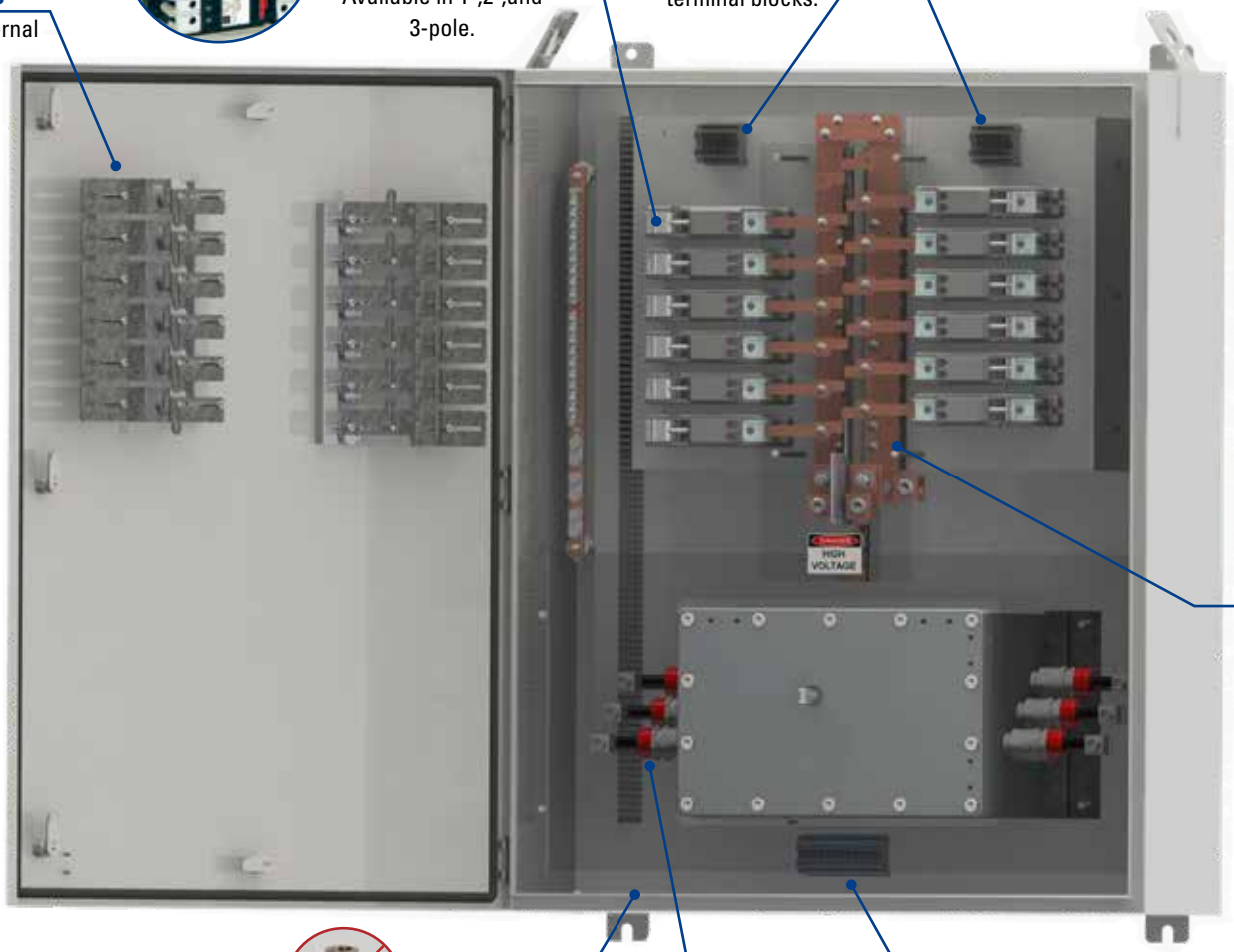
EPiK Circuit Breaker Panel

External Handle Option

CERTIFIED BREAKERS
Breakers are tested and certified to UL489. Class I, Div 2, Groups A.B,C,D. Available in 1-,2-,and 3-pole.

LOAD SIDE TERMINAL BLOCKS
Optional top, bottom or top and bottom terminal blocks.

SELF ALIGNING HANDLES
Optional external handles.



INSULATED BUS
*Finger safe protection.

NO NEED FOR CONDUIT SEALS
Gland plate can be punched in the field, or pre-punched.

LINE SIDE LUGS
Cable from top or bottom entry. Accepts #6-350 MCM.

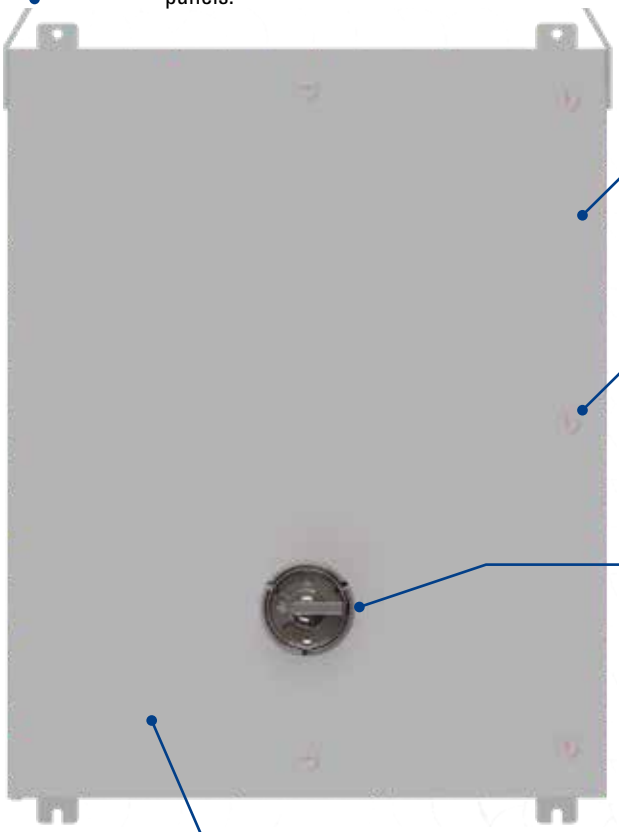
LOAD SIDE TERMINAL BLOCKS
Optional top, bottom or top and bottom terminal blocks.

**Finger safe protection for the bus bar not shown.*

EPiK Circuit Breaker Panel

Standard Dead Front Option

LIFTING HOOKS
Standard in all panels.

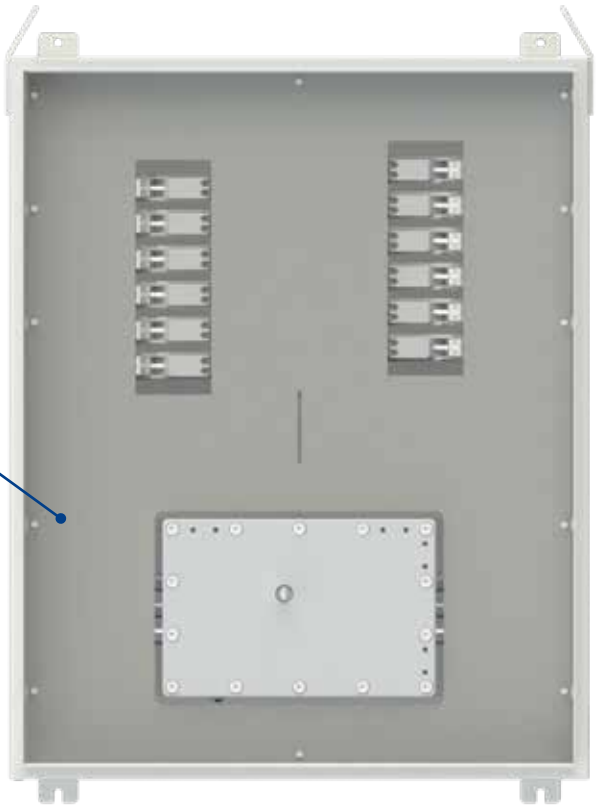


LIGHTWEIGHT
Stainless steel enclosure eliminates the need for heavy cast enclosures.

CAM LOCK FASTENERS
For easy opening. Eliminate the need for bolts found on heavy cast explosion proof enclosures.

LOCKABLE HANDLE
Robust external main breaker handle.

316L STAINLESS STEEL
Superior corrosion resistance.



DEADFRONT COVER
Complete and removable dead front cover.

EPiK Circuit Breaker Panel

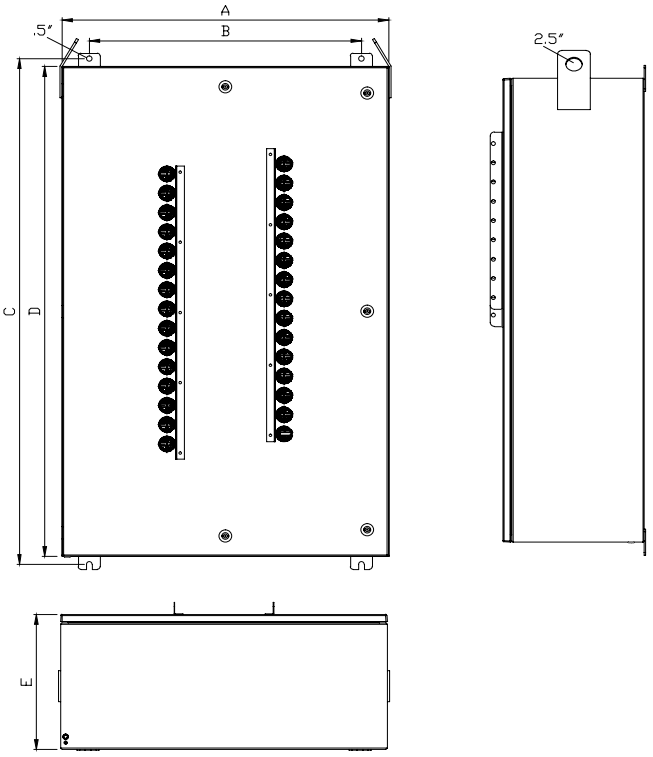
Dimensions

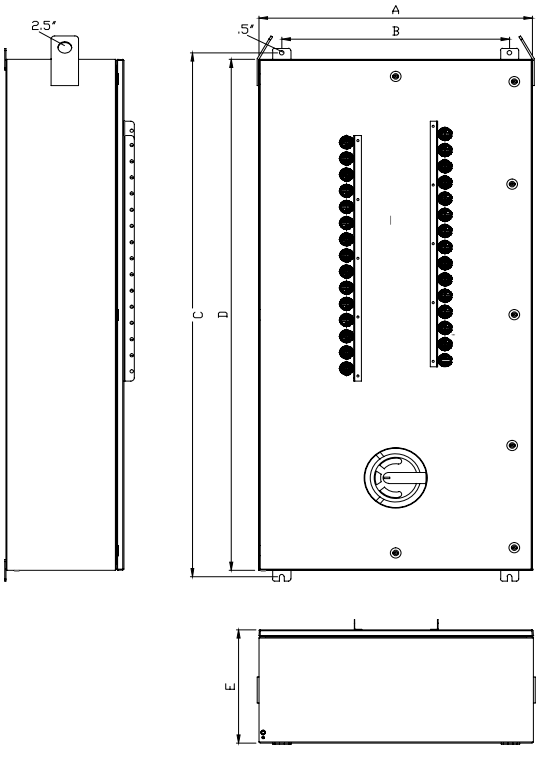
Main Lug Only

Main Lug Only								Lug Sizes	
Circuits	Frame	Dimensions (Inches)					Weight* (lbs)	Line	Load**
		A	B	C	D	E			
12	100	30	25	31.5	29	13	145	#4 - 250	#26 - #8
18	100	30	25	36.5	35	13	158	#4 - 250	#26 - #8
24	150	30	25	42.5	41	13	198	#4 - 250	#26 - #8
30	225	30	25	48.5	47	13	230	#6 - 350	#26 - #8
36	225	30	25	55.5	53.7	13	259	#6 - 350	#26 - #8
42	225	30	25	61.5	60	13	330	#6 - 350	#26 - #8

*Please note this is an approximate weight.

**When ordered with suffix LT or FW.





Main Breaker Panel

Main Breaker Panels								Lug Sizes	
Circuits	Frame	Dimensions (Inches)					Weight* (lbs)	Line	Load**
		A	B	C	D	E			
12	100	30	25	39	37.5	13	239	#4 - 250	#26 - #8
18	100	30	25	46	44.5	13	260	#4 - 250	#26 - #8
24	150	30	25	53	51.5	13	297	#4 - 250	#26 - #8
30	225	30	25	60	58.5	13	331	#6 - 350	#26 - #8
36	225	30	25	67	65.5	13	361	#6 - 350	#26 - #8
42	225	30	25	73	71.5	13	431	#6 - 350	#26 - #8

*Please note this is an approximate weight.

**When ordered with suffix LT or FW.

LOOK FOR OUR OTHER EPiK SOLUTIONS

EPiK
MOTOR STARTERS

FOR MORE INFORMATION CONTACT YOUR R.STAHL REPRESENTATIVE

STAINLESS STEEL
EXPLOSION PROTECTED

CONTACT US:
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13259 N. Promenade Blvd.
Stafford, TX 77477
U.S.A
800.782.4357

7003-56 Ave.
Edmonton, AB T6B 3L2
Canada
877.416.4302

CONTACT US:
info-edmonton@rstahl.com

www.rstahl.com

LR111317

STAHL
THE STRONGEST LINK

EPiK PANELBOARD DATA SHEET

Customer: _____ Customer #: _____
Contact: _____ Del. Date Req _____
SQ#: _____ PO #: _____
SO#: _____

Catalog Number: 7150/5- _____

Panelboard Specification

Main Breaker Frame / Trip

- ☐ Not Required (MLO) -- [Main Lug Only]
- ☐ 100A ☐ 225A AF with a trip rating of _____ Amps
- ☐ Back Fed Main (BF)*

**Subtract the reqd. space from number of circuits in system*
40A Maximum

Wiring System

- ☐ 240/120V (1PH - 3W)
- ☐ 208/120V (3PH - 4W)
- ☐ 480/277V (3PH - 4W)
- ☐ Other _____

Number of Circuits (Panel Size)

- ☐ 12 ☐ 30
- ☐ 18 ☐ 36
- ☐ 24 ☐ 42 ☐ Other _____

Control Devices

- ☐ Space Heater (SH) Operating Voltage: _____
- ☐ Thermostat (TS)

Branch Breaker Schedule

Pole	Ckt Nameplate	Amp	Ckt #		Ckt #	Amp	Ckt Nameplate	Pole
			1		2			
			3		4			
			5		6			
			7		8			
			9		10			
			11		12			
			13		14			
			15		16			
			17		18			
			19		20			
			21		22			
			23		24			
			25		26			
			27		28			
			29		30			
			31		32			
			33		34			
			35		36			
			37		38			
			39		40			
			41		42			

Main Breaker Options

- ☐ Aux. Switch 1NO/1NC (AS1)
- ☐ Aux. Switch 2NO/2NC (AS2)
- ☐ Undervoltage Release (UV)
- ☐ Bell Alarm (BA)
- ☐ Shunt Trip (ST)
- ☐ Alternate Breaker Type: _____

Panel Options

- ☐ Breather \ Drain (D)
- ☐ Internal Ground Bar (IGB)
- ☐ External Grounding Stud (EGS)
- ☐ Mounting Hardware (MH)
- ☐ External Handles (EH)
- ☐ Load Side Wiring to Terminals (FW)
- ☐ Load Side Terminals only (LT)
- ☐ Gland Plate Top (GPT)
- ☐ Gland Plate Right (GPR)
- ☐ Gland Plate Left (GPL)
- ☐ Gland Plate Bottom (GPB)

Conduit Entries

- ☐ Catalog (STANDARD) --[No entries]
- ☐ Special** (indicate on separate page)

How to fill the Branch Breaker Schedule

Example: If the following is requested, please fill as shown below
(1) 3 pole 70A Breaker, (1) 3 pole 20A, (1) 2 pole 20A,
(3) 1 pole 20A breaker and (1) 1 pole 20A with GFCI & Test Button

Pole	Ckt Nameplate	Amp	Ckt #		Ckt #	Amp	Ckt Nameplate	Pole
3	MOV 1	70	1		2	30		3
			3		4			
			5		6			
2	Recept. 1	20	7		8	20		1
			9		10	20		1
1	Lights 1	20GT	11		12	20		1

* Each pole reqiuires 1 space
* GFCI, EPD, and Switched Neutral require 2 spaces
* Indicate in AMPs column, (G - GFCI, E - EPD, SN - Switched Neutral)
* G or E followed by T for an external test button

Main Panel Nameplate (Attach Nameplate Data)

- ☐ Standard: Gravoply nameplate Size 2" X 4"
- ☐ Option: Stainless nameplate Size 2" X 4"

Branch Breaker Nameplate

- ☐ Standard: Gravoply nameplate
- ☐ Option: Stainless nameplate

Other Instructions: