

# GLPS

## Crestron Green Light® Power Switching Cabinets “Contact Crestron for complete system design and pricing

### The Crestron Green Light® Power switching family of switching systems

is available in a range of panel sizes and configurations; every system is

fully scalable to fit each installation perfectly. An extensive selection

of Crestron keypads, touchpanels, occupancy sensors, photocells, shade

controllers, and numerous other peripheral options affords astounding

design flexibility with unparalleled capability for integration.

Green Light Power Switching is simple to install and easy to program.

Native features include an astronomical time clock to allow scheduling of

events to occur around the rise and fall of the sun. Other powerful,

energy saving capabilities include occupancy sensing to turn off lights

when they are not needed, daylight harvesting to harness natural light

from windows and skylights, and emergency override to assure safe and

reliable lighting of critical areas in the event of a power outage or emergency condition.

### High-Performance Power Switching

Crestron GLPS Series power switching panels feature field-replaceable

switching modules with a choice of relay technologies to address a wider

range of applications and budgets. In addition to switching, some Green

Light Power Switching panels also allow the option to add dimming control

for 0-10V dimmable fluorescent ballasts.

Our top of the line GLPS-HSW panels employ robust 50 Amp



more relay option in the GLPX-HDSW, utilizing heavy duty modular relays

for an extra level of flexibility switching 120, 277, and 347 volt loads.

### Local Controls

Crestron Green Light simplifies installation by providing local controls

right on the front of each switching module. Even before the lighting

processor gets installed, these simple controls can be used to switch each

load on and off for testing and operation during construction.

### IPAC-GL1

The IPAC-GL1 Control Processor—Crestron has been manufacturing and

innovating microprocessor-based control systems for lighting and

automation longer than anybody, and all of that know-how has gone directly

into the IPAC-GL1. Right from its front panel, an entire system of

lighting loads, keypads, touchpanels, sensors, and scheduled events can be

programmed without ever having to connect a computer.

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### Emergency Override

Remote emergency override capability allows a power loss sensor

(GLS-PLS-120/277) or any external contact closure to override the lighting

system program and set each circuit to its override preset state.

In a

power failure situation using a backup power source, this allows designated emergency lighting circuits to be turned on

immediately.

Override settings can be made easily using the local controls on the front

of each switching module.

### SPECIFICATIONS

#### Power Switching (GLPS-SW)

##### Load Rating

Switch Channels: 10 to 42 depending upon panel size and options, each

channel phase independent

Per Channel: 16 Amps @ 100 to 277 Volts AC, 50/60 Hz; 1/2 HP @ 120

Volts, 1 HP @ 277 Volts

Load Types: Incandescent, Magnetic Low-Voltage, Electronic Low-Voltage,

Neon/Cold Cathode, Fluorescent Lamp Ballast, High-Intensity Discharge,

LED, Motors

Relay Lifetime: Resistive rating: 100,000 on/off operations, 50A @ 277

VAC

##### Input Power

Line Power: 120/208 VAC, 225 Amps maximum, 50/60 Hz phase-to-neutral;

Cresnet Usage: Cresnet Power Usage (optional): 50 Watts (2.08 Amps @ 24

Main 277/480V: (optional): 60A, 80A, 100A, or 125A Square

D® EDB, EGB,

EJB E-Frame type; 18k, 35k, or 65k AIC rated

#### High-Inrush Switching (GLPS-HSW)

##### Load Ratings

Switch Channels: 8 to 42 depending upon panel size and options, each

channel phase independent

Per Channel: 16 Amps @ 100 to 277 Volts AC, 50/60 Hz;

Load Types: Incandescent, Magnetic Low-Voltage, Electronic Low-Voltage,

Neon/Cold Cathode, Fluorescent Lamp Ballast, High-Intensity Discharge,

LED, Motors

Relay Lifetime: 1,000,000 cycles at full rated electronic ballast load

##### Input Power

Line Power: 120/208 VAC, 225 Amps maximum, 50/60 Hz phase-to-neutral;

Cresnet Usage: Cresnet Power Usage (optional): 50 Watts (2.08 Amps @ 24

Volts DC) per panel;

##### Circuit Breakers

Branch 120V: 20A Square D® QOB bolt-on type; 10k, 22k, or 65k AIC rated

as required

Branch 277V: 20A Square D® EDB, EGB, EJB E-Frame type; 18k, 35k, or 65k

AIC rated as required

Main 120/208V: 120/208V (optional): 120/208V: 60A, 80A, or 100A Square

D® QOB Bolt-on type; 10k AIC rated (consult Crestron for additional options)

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UL Listed, FCC Part 15

### Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

### Enclosure Ratings

NEMA Type 1, IP20 rated protection, for indoor use only;

16 Gauge galvanized steel, surface wall mount;

### Enclosure Dimensions

Medium (GLPS-HSW/SW; up to 30 circuits): **Height** : 70 in (177.8 cm);

**Width** : 20 1/4 in (51.4 cm);

#### **Depth**

Large (GLPS-HSW/SW; up to 42 circuits): **Height** : 78 15/16 in (200.5 cm);

**Width** : 20 1/4 in (51.4 cm);

#### **Depth**

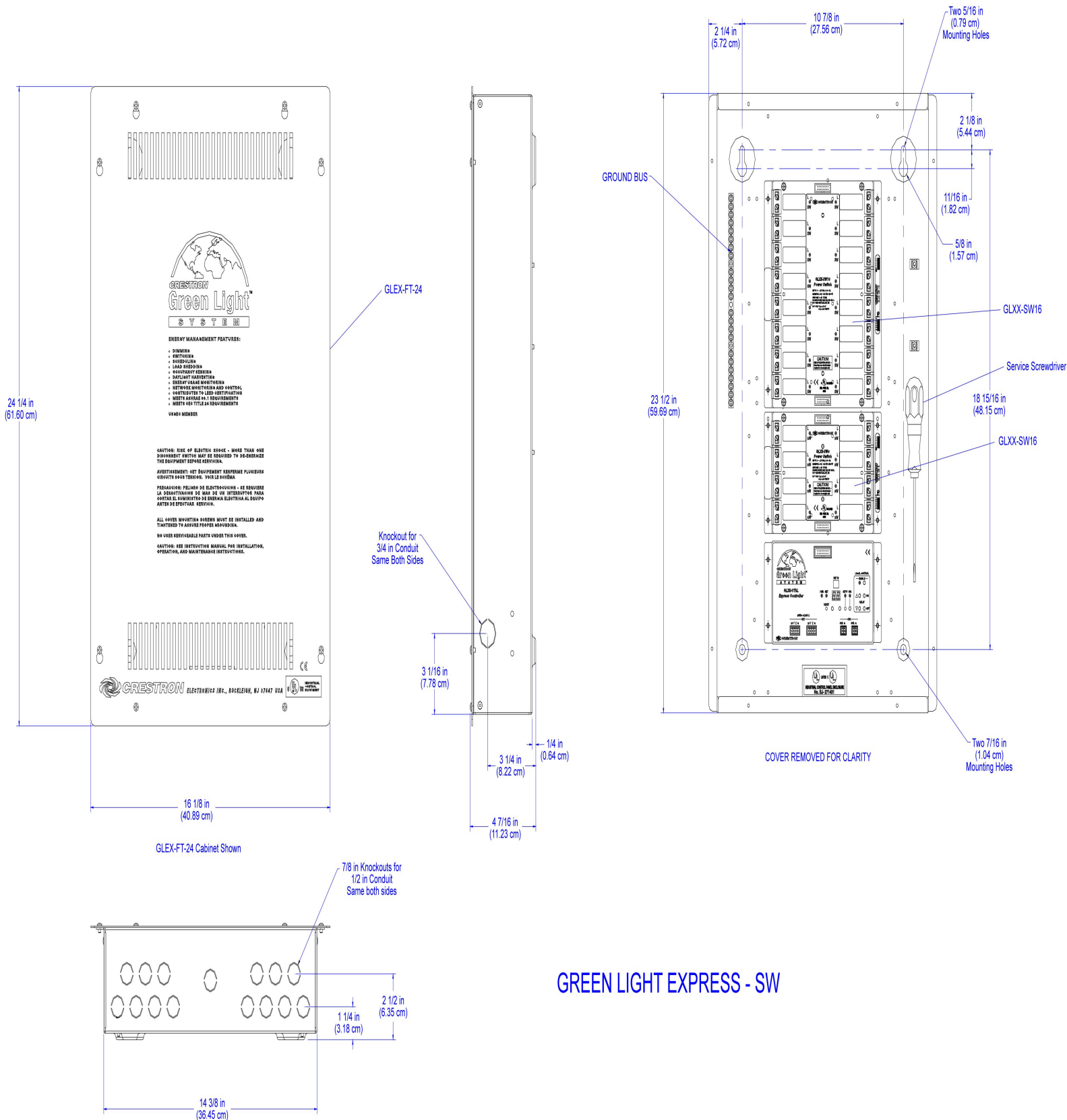
Extra Large (GLPS-HSW/SW; up to 42 circuits): **Height** : 90 in (228.6 cm);

**Width** : 20 1/4 in (51.4 cm);

#### **Depth**

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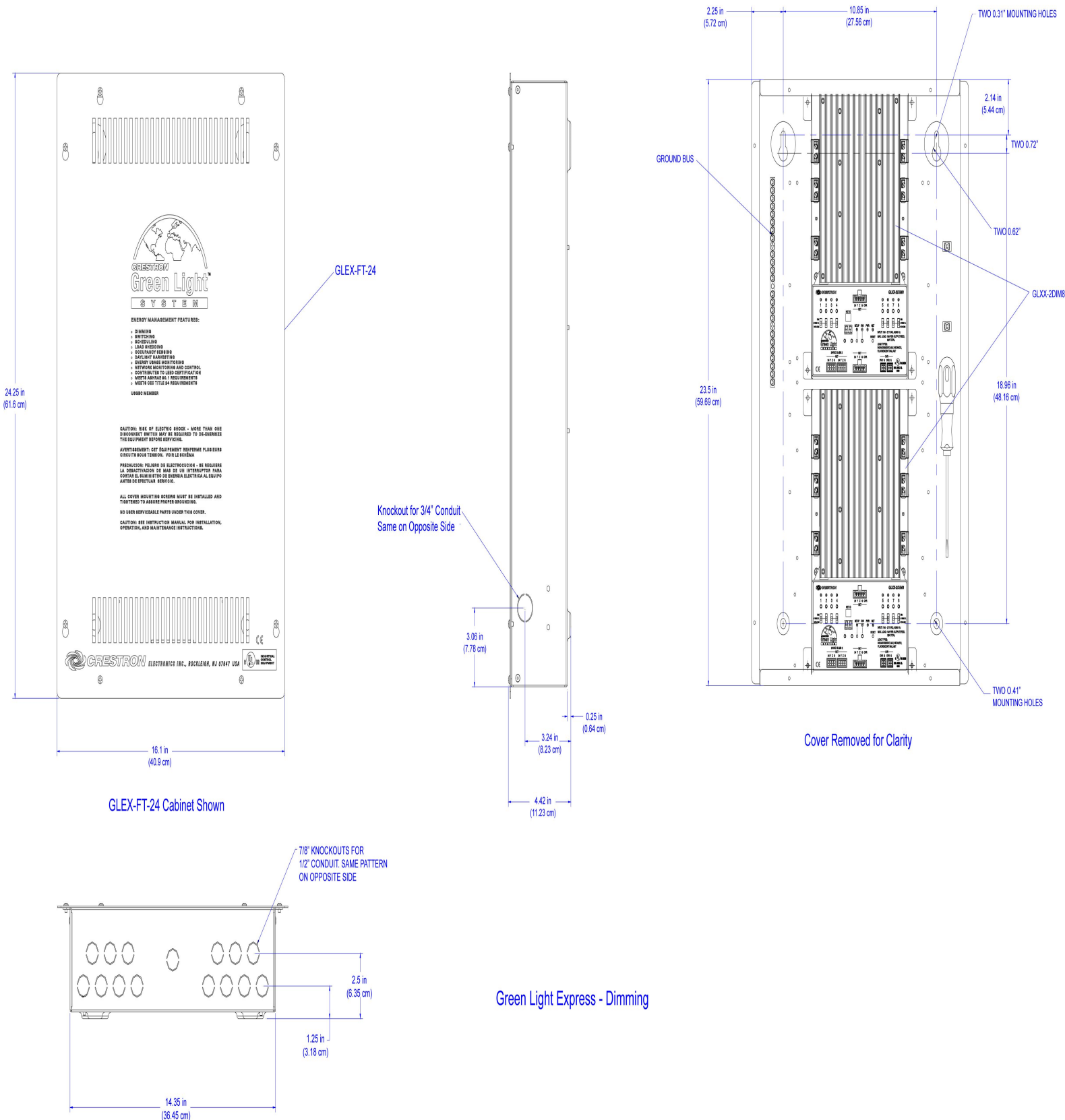


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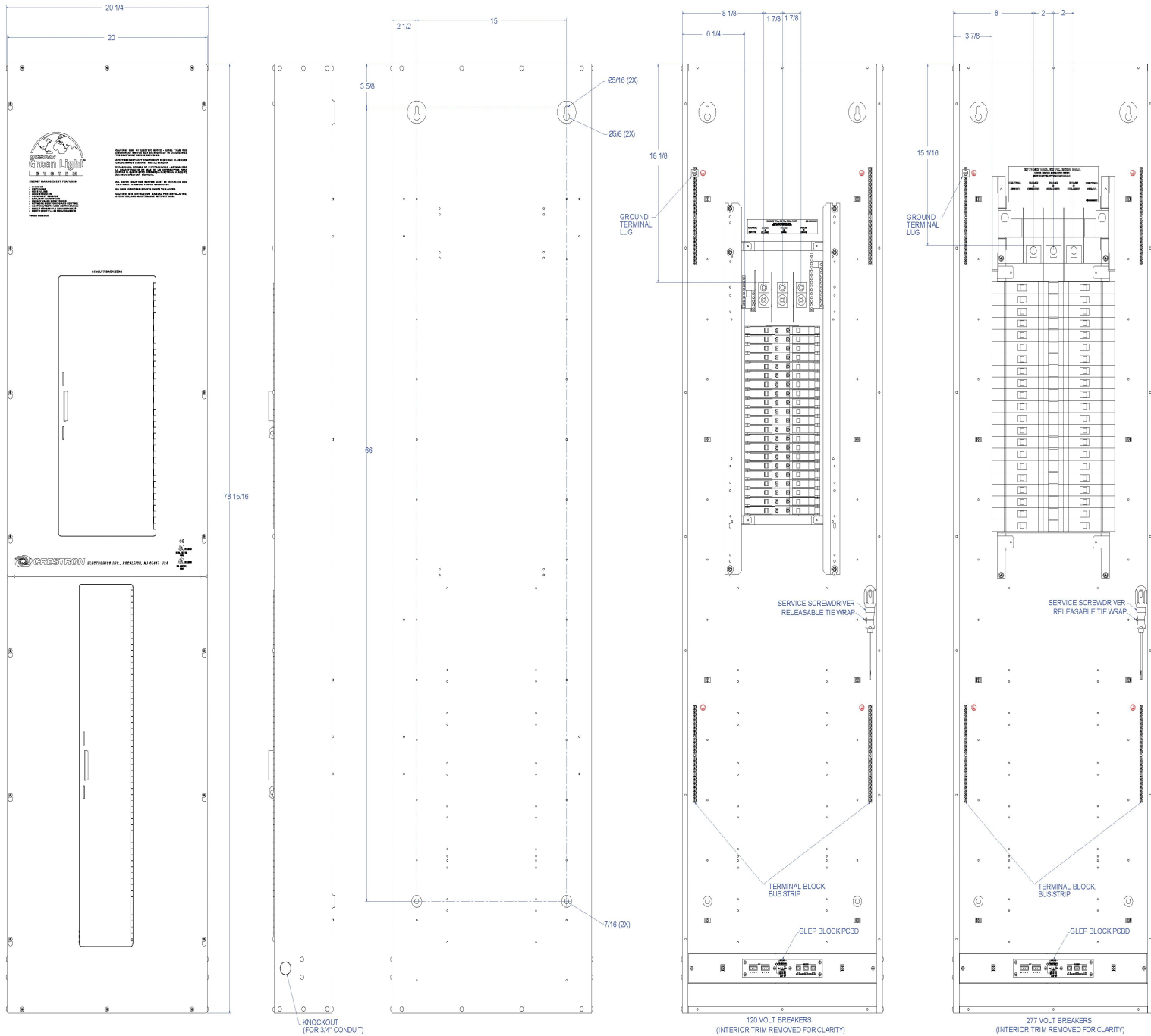
# Crestron Green Light® Power Switching Cabinets





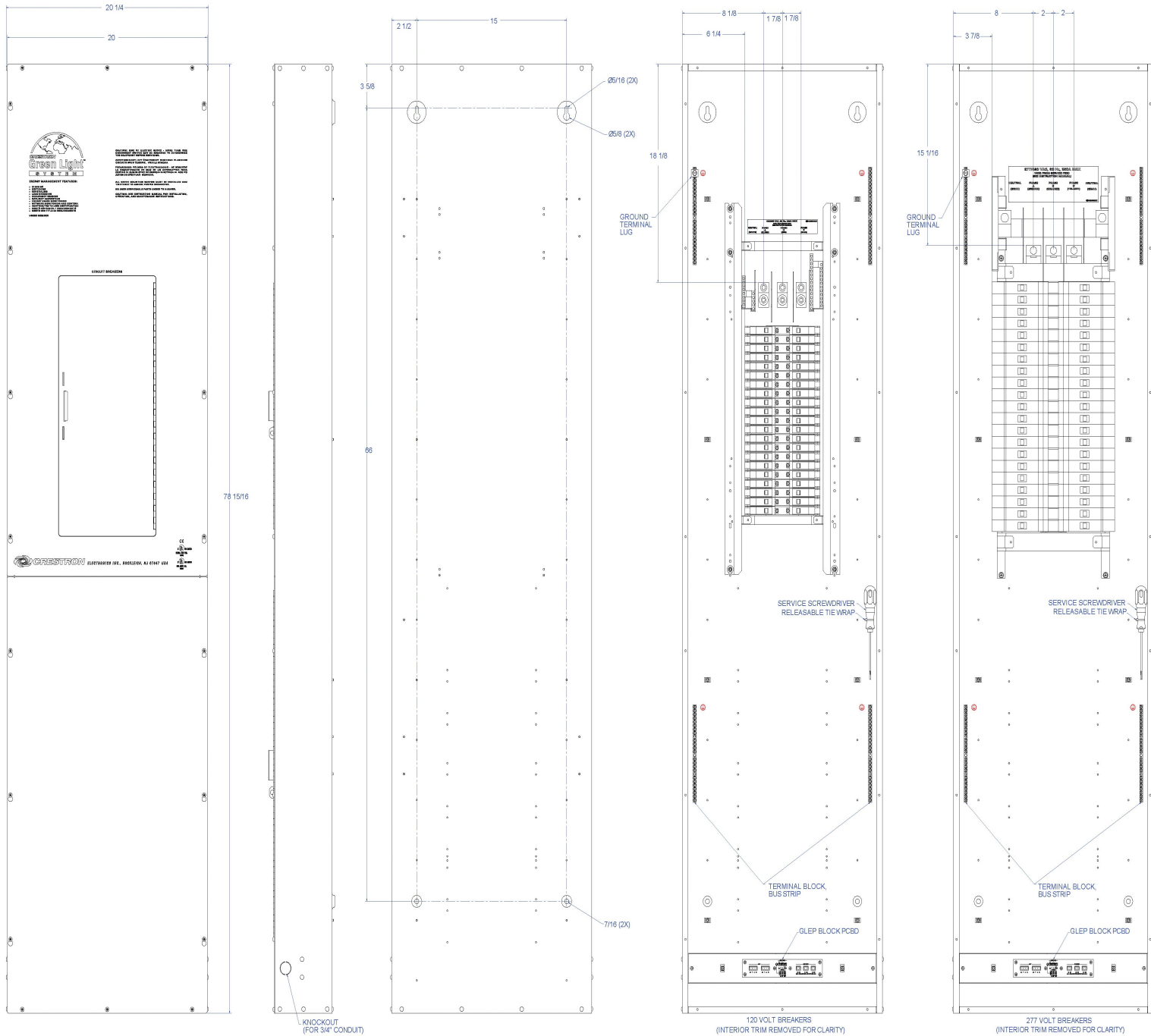
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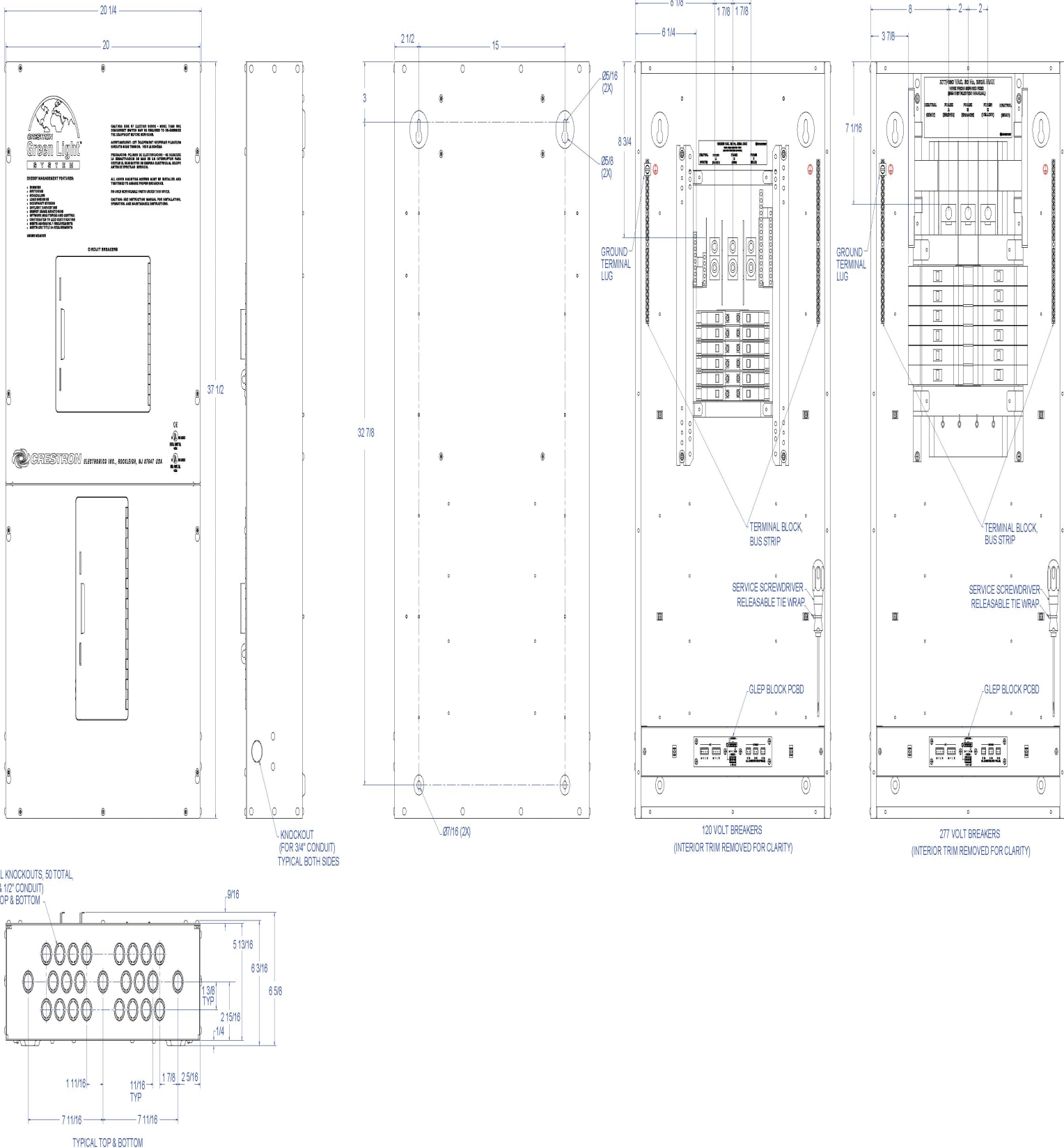
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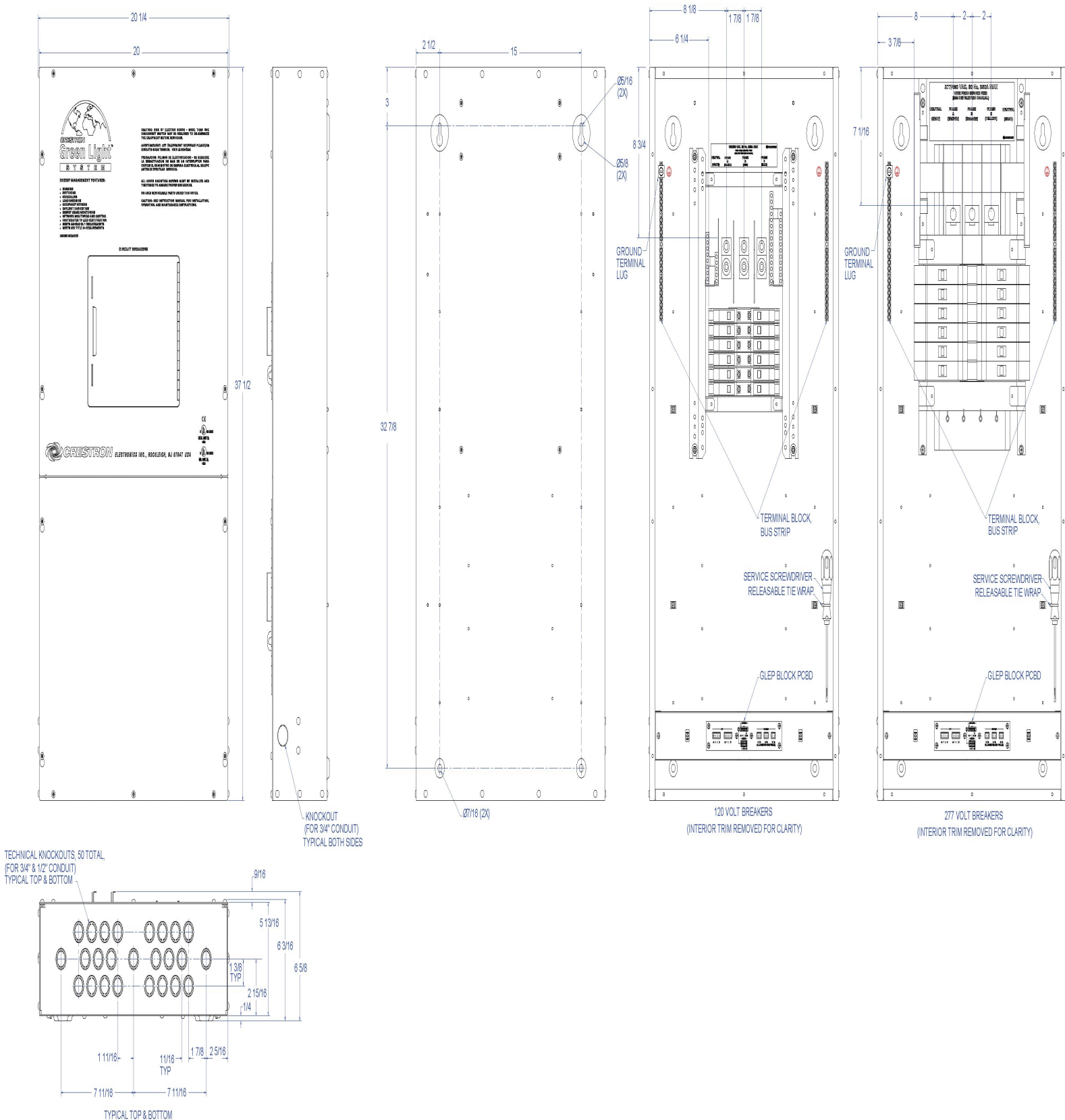
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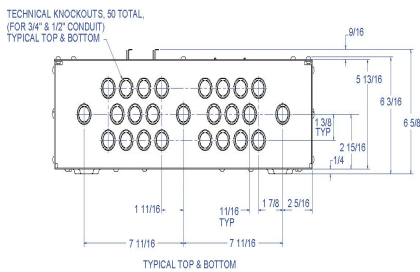
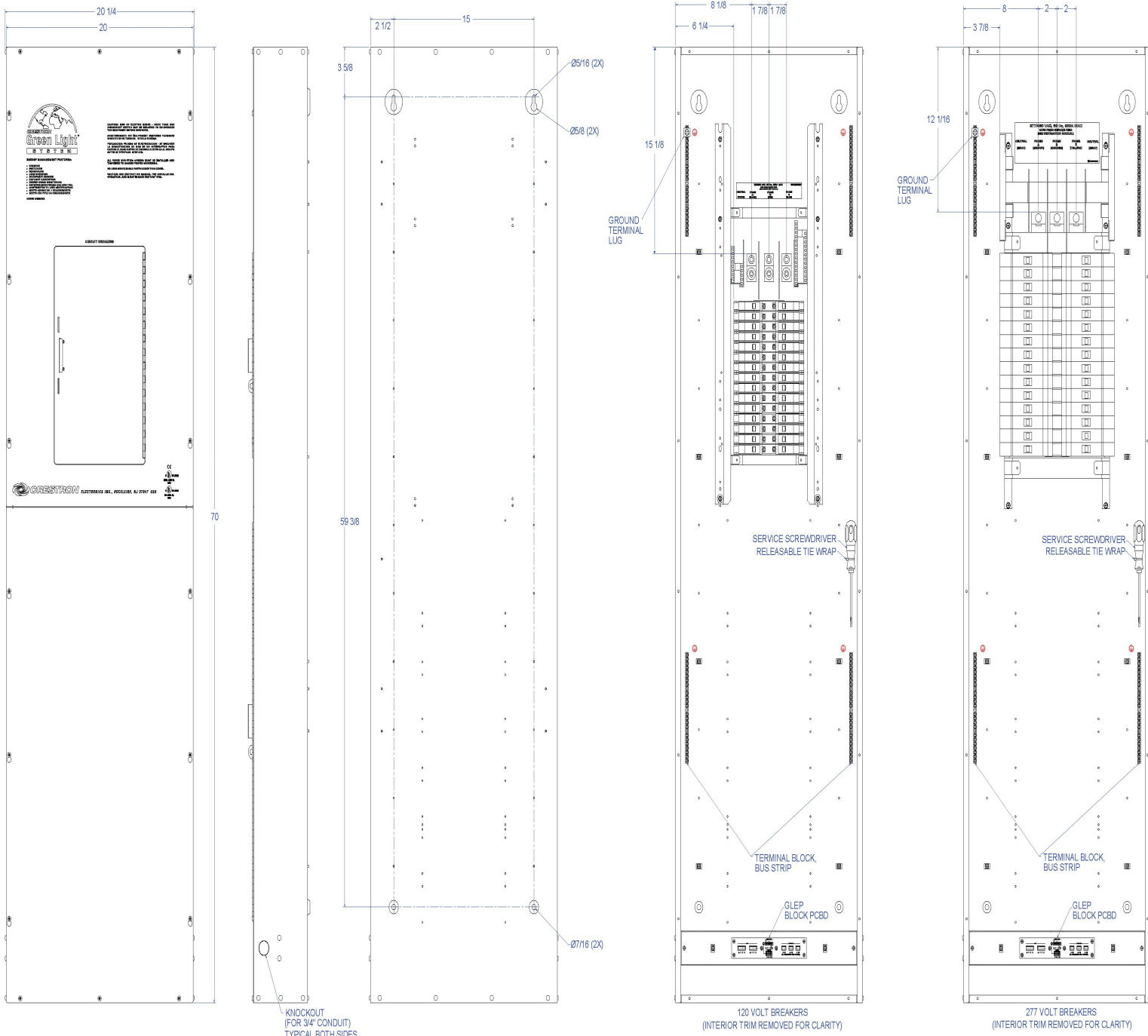
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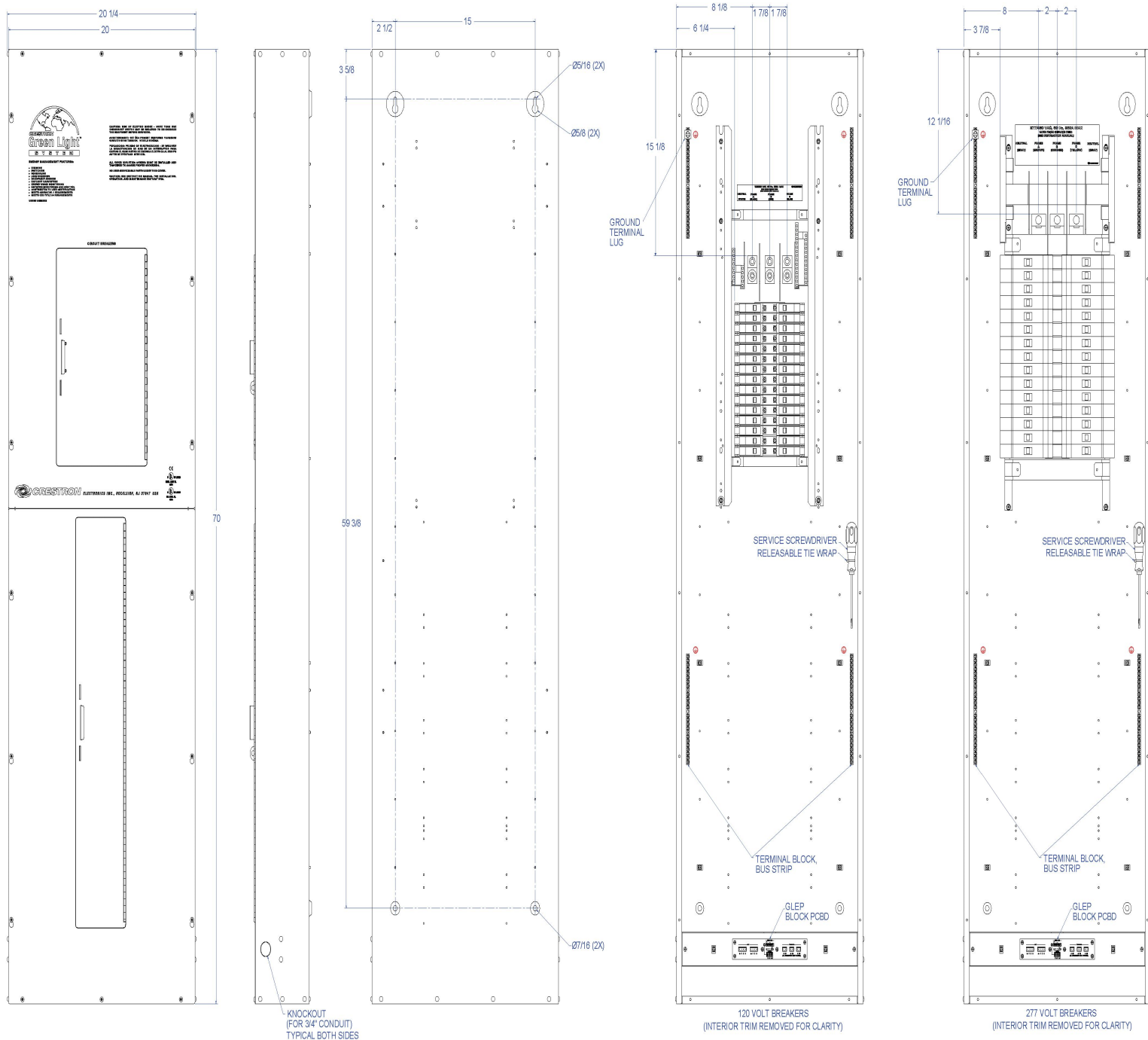
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TECHNICAL KNOCKOUTS, 50 TOTAL  
(FOR 3/4" & 1/2" CONDUIT)  
TYPICAL TOP & BOTTOM

