

GLPD

Crestron Green Light® Architectural Dimming Cabinets “ Contact Crestron for complete system design and pricing

Crestron Green Light® Architectural Dimming is a family of dimming

systems designed for control of lighting in office buildings, warehouses, parking garages, sports facilities, public spaces, and anywhere centralized dimming is required. With a range of panel sizes and configurations available, 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 afford astounding design flexibility

with unparalleled capability for integration

Green Light Architectural Dimming 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.

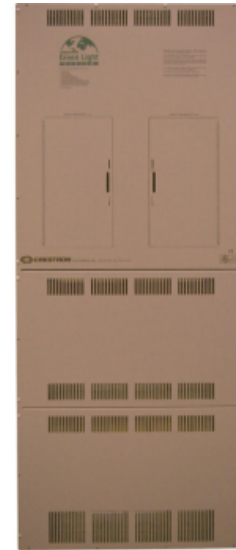
High-Performance Power Dimming

Crestron GLPD Series power dimming panels feature field-replaceable

dimming modules with a choice of technologies to address a wider range of

applications and budgets. In addition Green Light Architectural Dimming

panels have the option of dimming control for 0-10V dimmable



with 6 or 8 control circuits per module, for excellent configurability and

serviceability. Each module includes local dimmer controls and load state

indicators for each circuit, plus additional controls and indicators for

use during system commissioning.

Green Light Express Dimming

For installations using a separate circuit breaker panel, Crestron offers

the Green Light Express series of "feed-through" panels. Like their "main lug" panel counterparts above, the GLPD-DIM-FT panels feature Phase-Synchronous Detection Circuitry.

Local Controls

Crestron Green Light simplifies installation by providing local controls

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

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

load on and off for testing and operation during construction.

Control Processors

Crestron has been manufacturing and innovating

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programming to support all kinds of control options and interfaces, custom functionality and extensive integration with third-party systems. Crestron processors also deliver the most comprehensive capabilities available for remote control and management over an IP network.

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

Architectural Dimming (GLPD-DIM)

Load Ratings

Per Channel: 16 Amps @ 100 to 277 Volts AC, 50/60 Hz;
Dim Load Types: Incandescent, Magnetic Low-Voltage, Electronic Low-Voltage*, Neon/Cold Cathode, Fluorescent Lamp Ballast, High-Intensity Discharge, Motors, 0-10 Volt 4-Wire Dimmable Fluorescent Ballast, LED*
Switch Channels: 8 to 60 depending upon panel size and options, each channel phase independent
Relay Lifetime: 1,000,000 cycles at full rated electronic ballast load

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)

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

D® EDB, EGB,

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

Lighting Protection

Can withstand 6 kV / 3 kA surge, as per IEC 61000-4-5 and ANSI/IEEE

C62.41-1991

Testing and Compliance

UL Listed, FCC Part 15

Environmental

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

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

Enclosure

NEMA Type 1, IP20 rated protection, for indoor use only; 16 Gauge galvanized steel, surface wall mount;

Enclosure Dimensions

GLE 2x2: **Height** : 67.9 in (172.5 cm);

Width : 22.9 in (58.2 cm);

Depth

GLE 3x2: **Height** : 96 in (243.9 cm);

Width : 22.9 in (58.2 cm);

Depth

GLE 2x4: **Height** : 67.9 in (172.5 cm);

Width : 35.1 in (89.2 cm);

Depth

GLE 3x4: **Height** : 89.9 in (228.4 cm);

Width : 35.1 in (89.2 cm);

Depth

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GLE-FT-2x2 (Small): **Height** : 35.9 in (91.2 cm);

Width : 22.9 in (58.2 cm);

Depth

GLE-FT-3x2 (Large): **Height** : 54.8 in (139.1 cm);

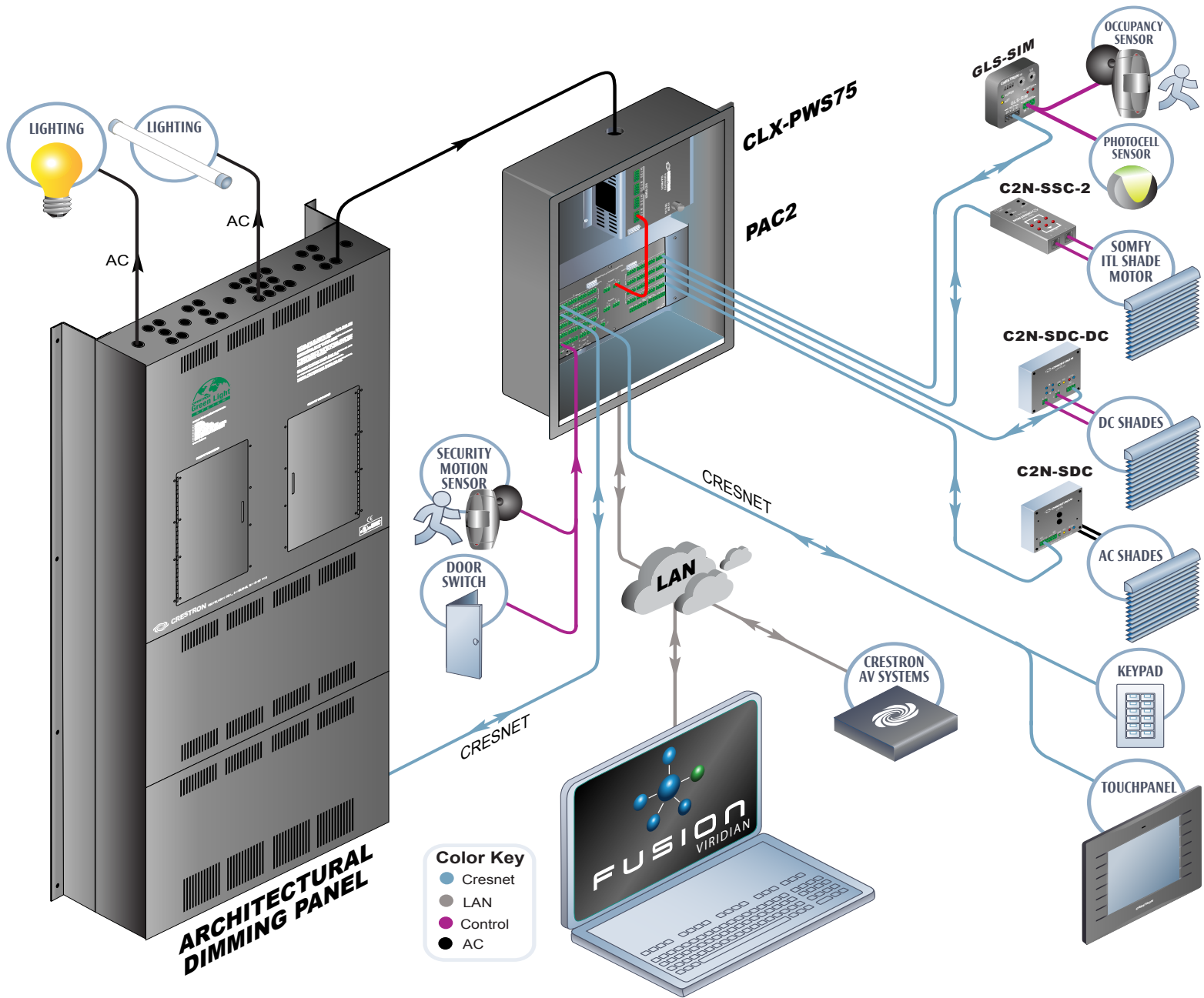
Width : 22.9 in (58.2 cm);

Depth

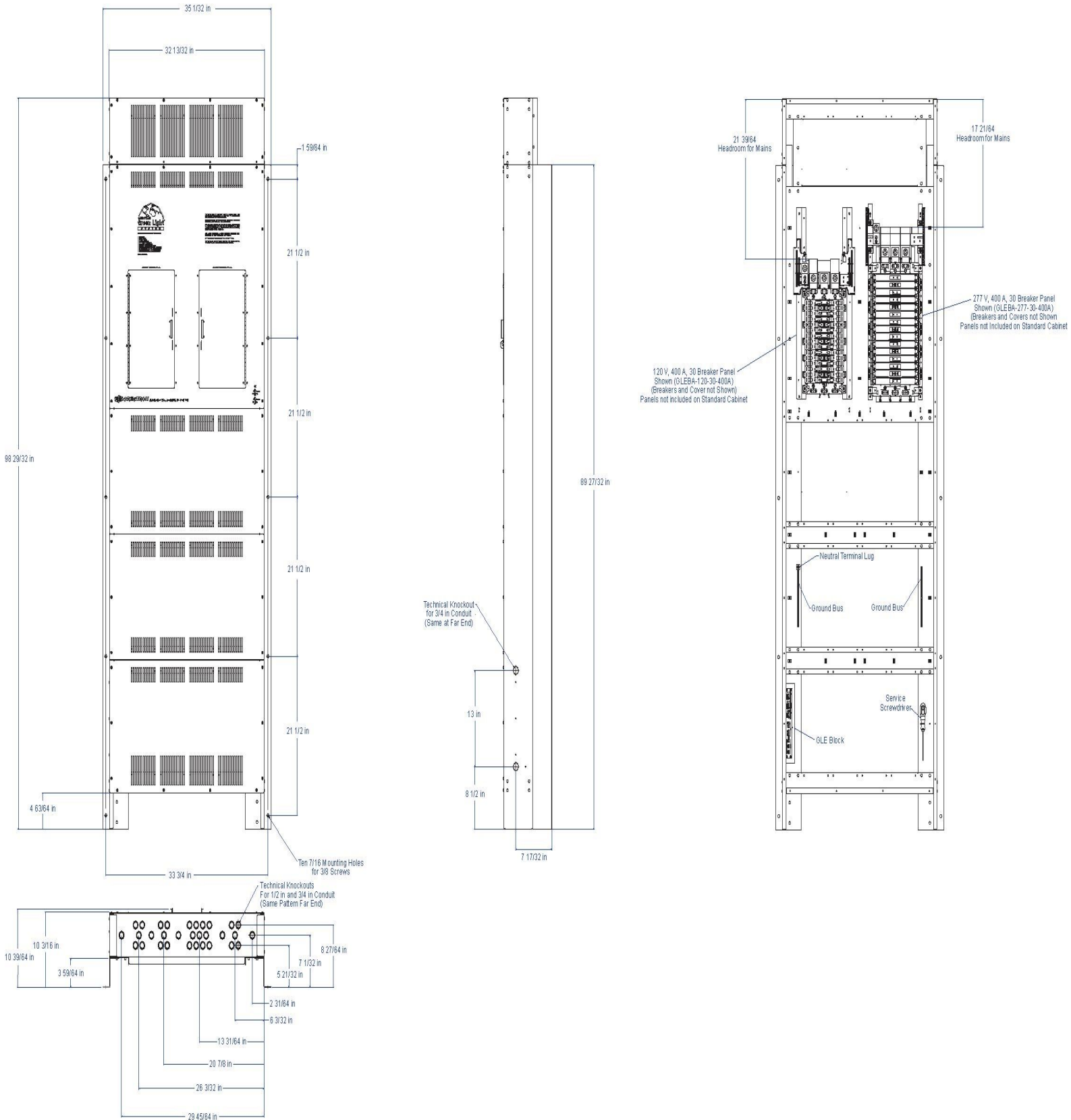
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GreenLight Architectural Dimming Panel

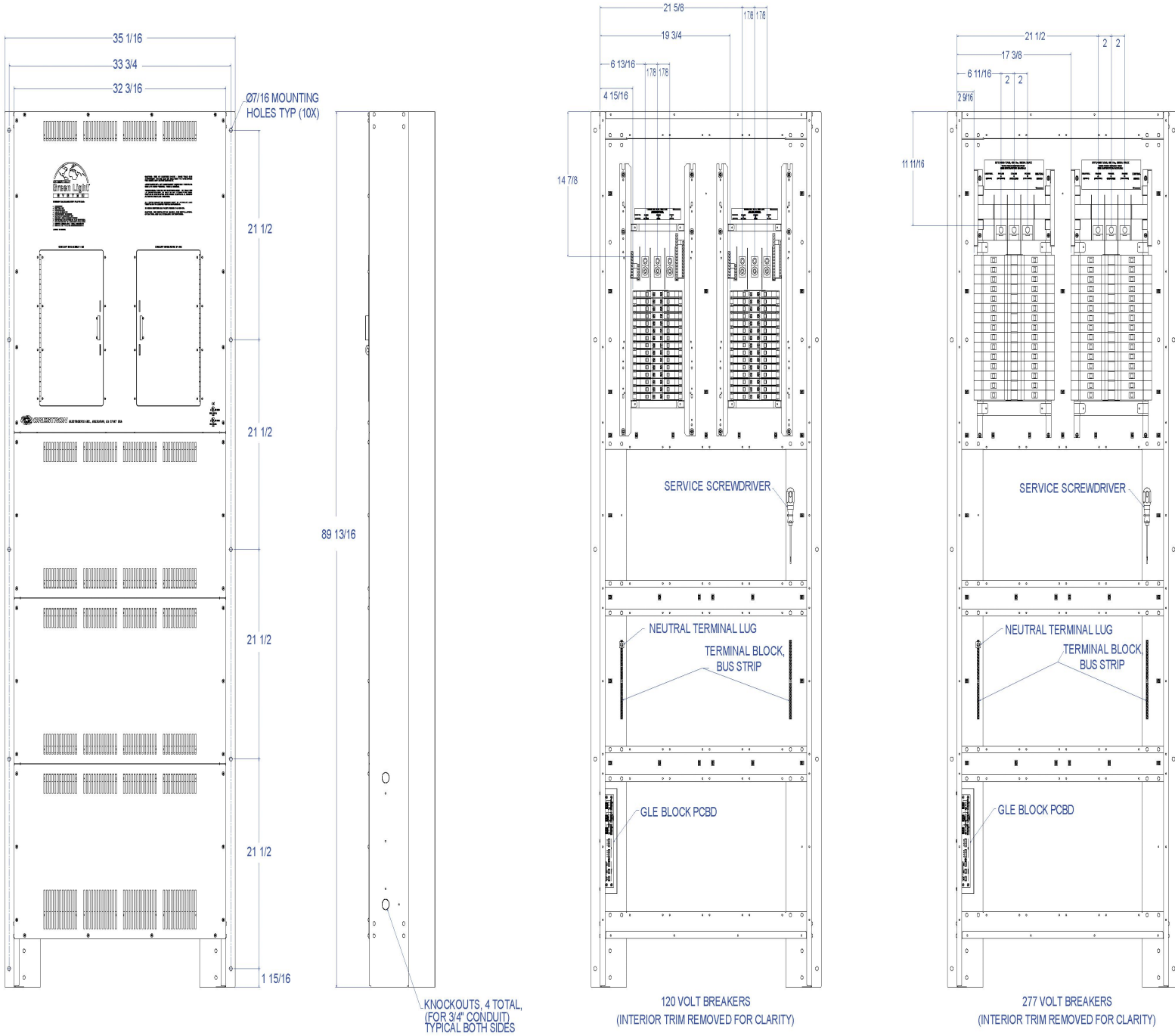


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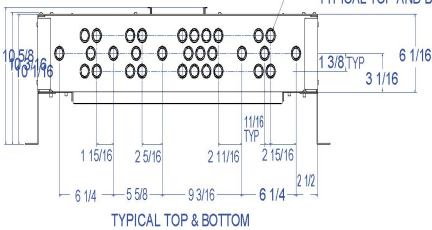
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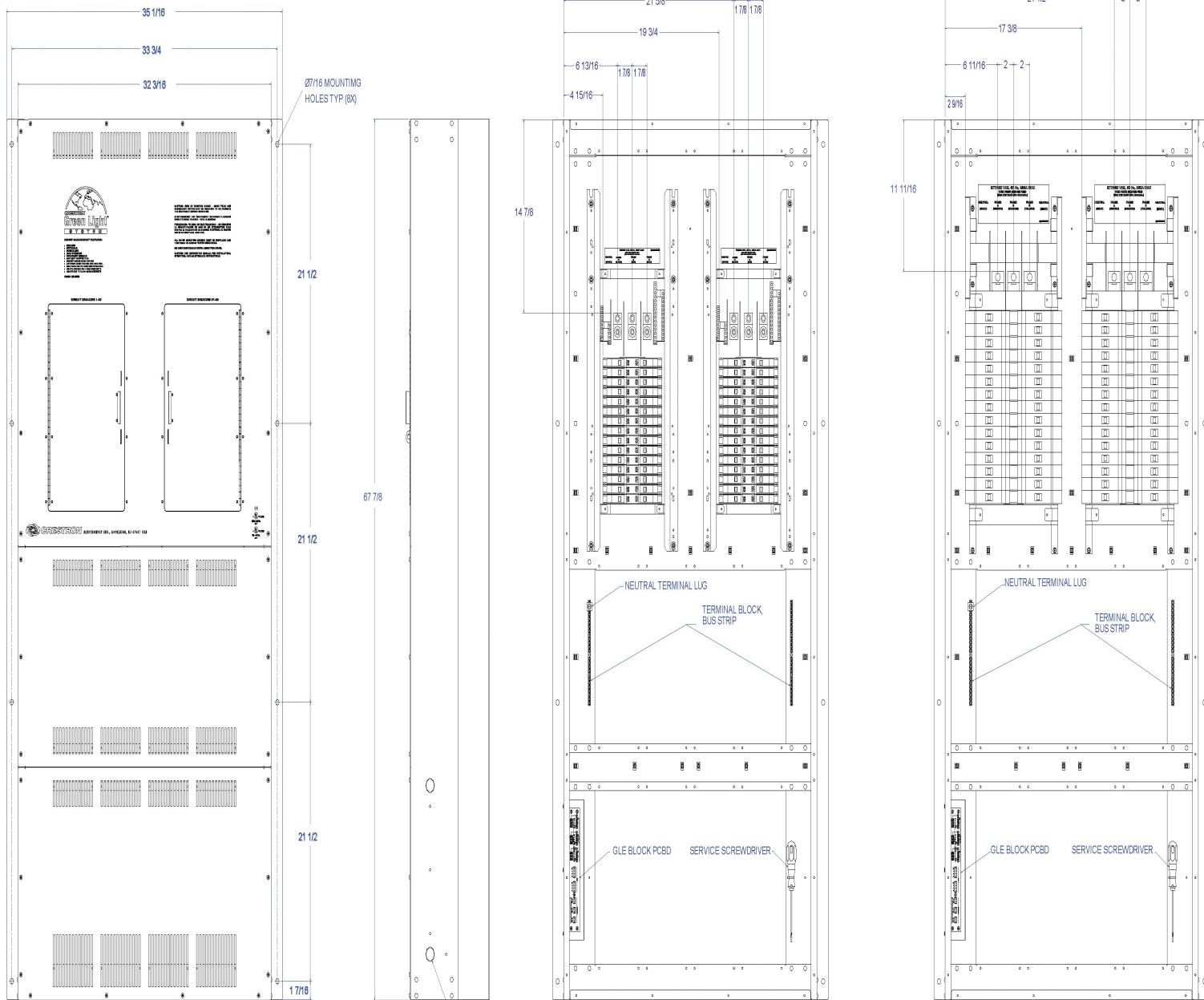


KNOCKOUTS, 4 TOTAL,
(FOR 3/4" CONDUIT)
TYPICAL BOTH SIDES

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

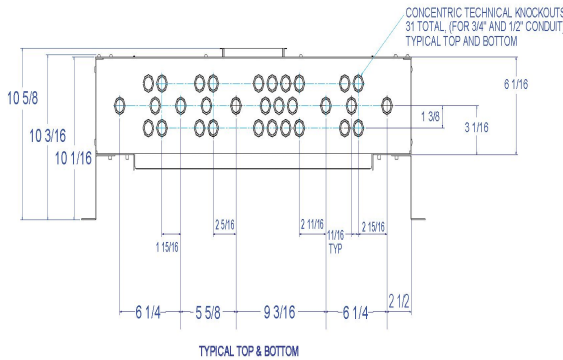


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120 VOLT BREAKERS
(INTERIOR TRIM REMOVED FOR CLARITY)

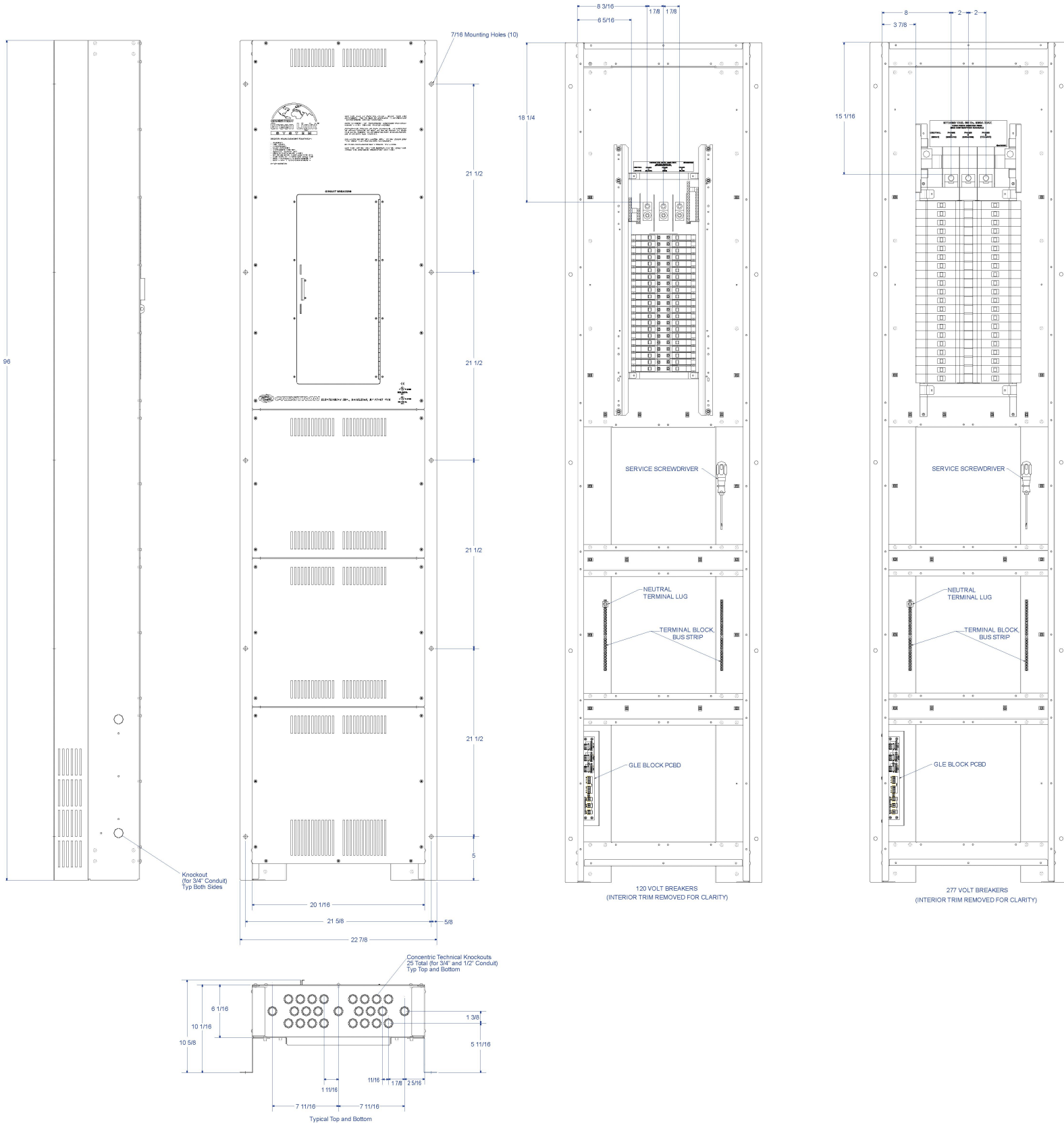
277 VOLT BREAKERS
(INTERIOR TRIM REMOVED FOR CLARITY)



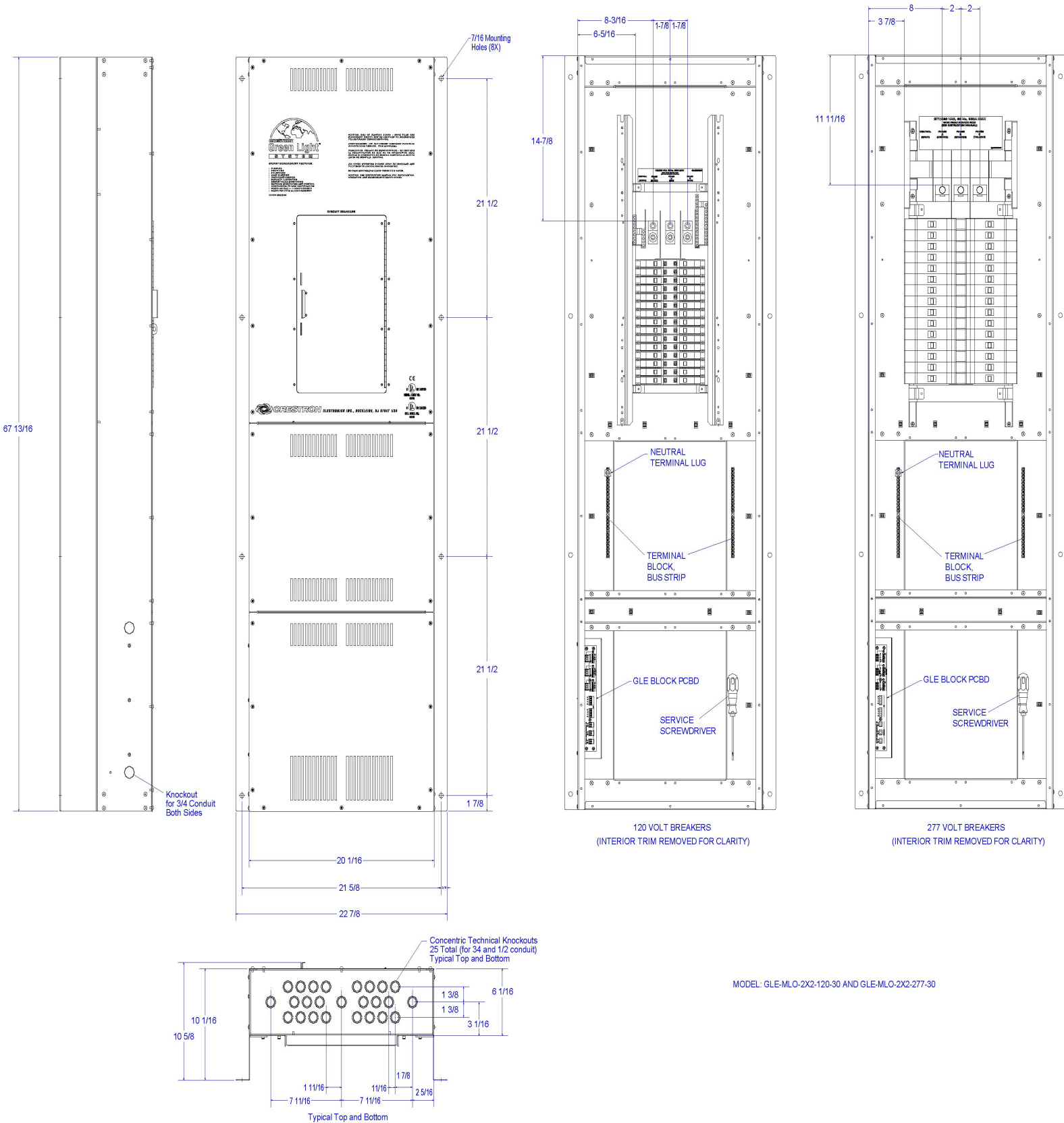
KNOCKOUTS, 4 TOTAL
(FOR 3/4" CONDUIT) TYPICAL BOTH SIDES

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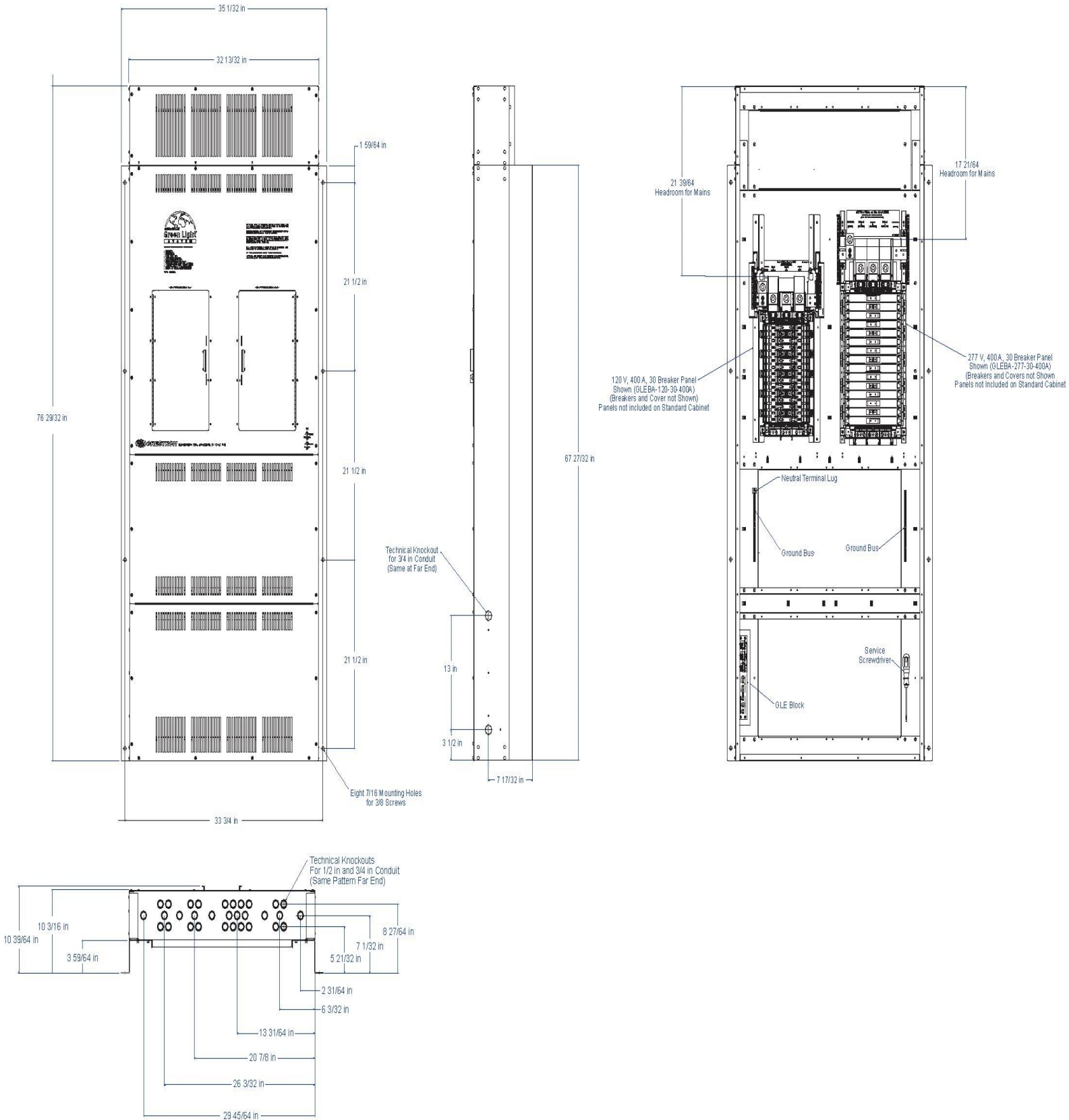


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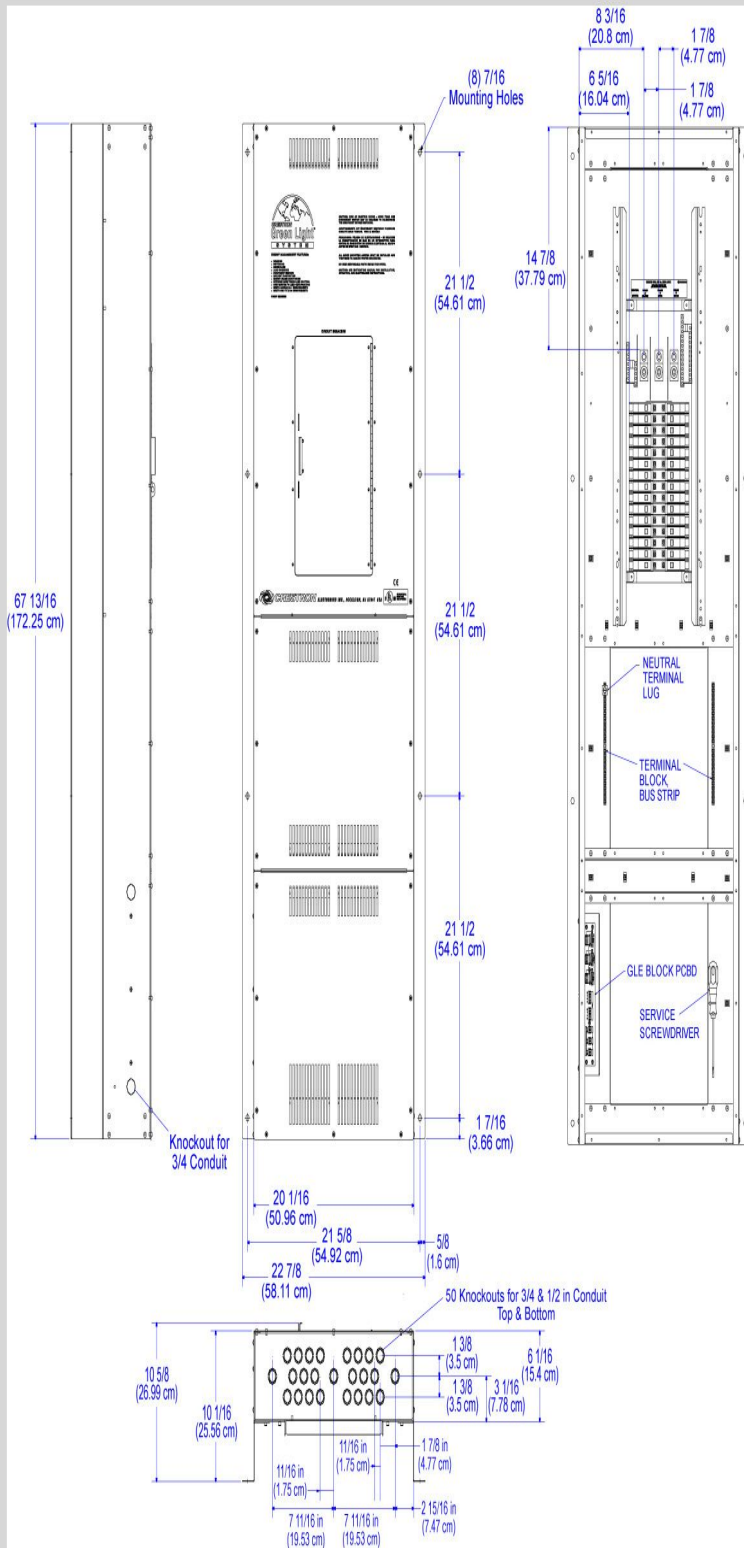


MODEL: GLE-MLO-2X2-120-30 AND GLE-MLO-2X2-277-30

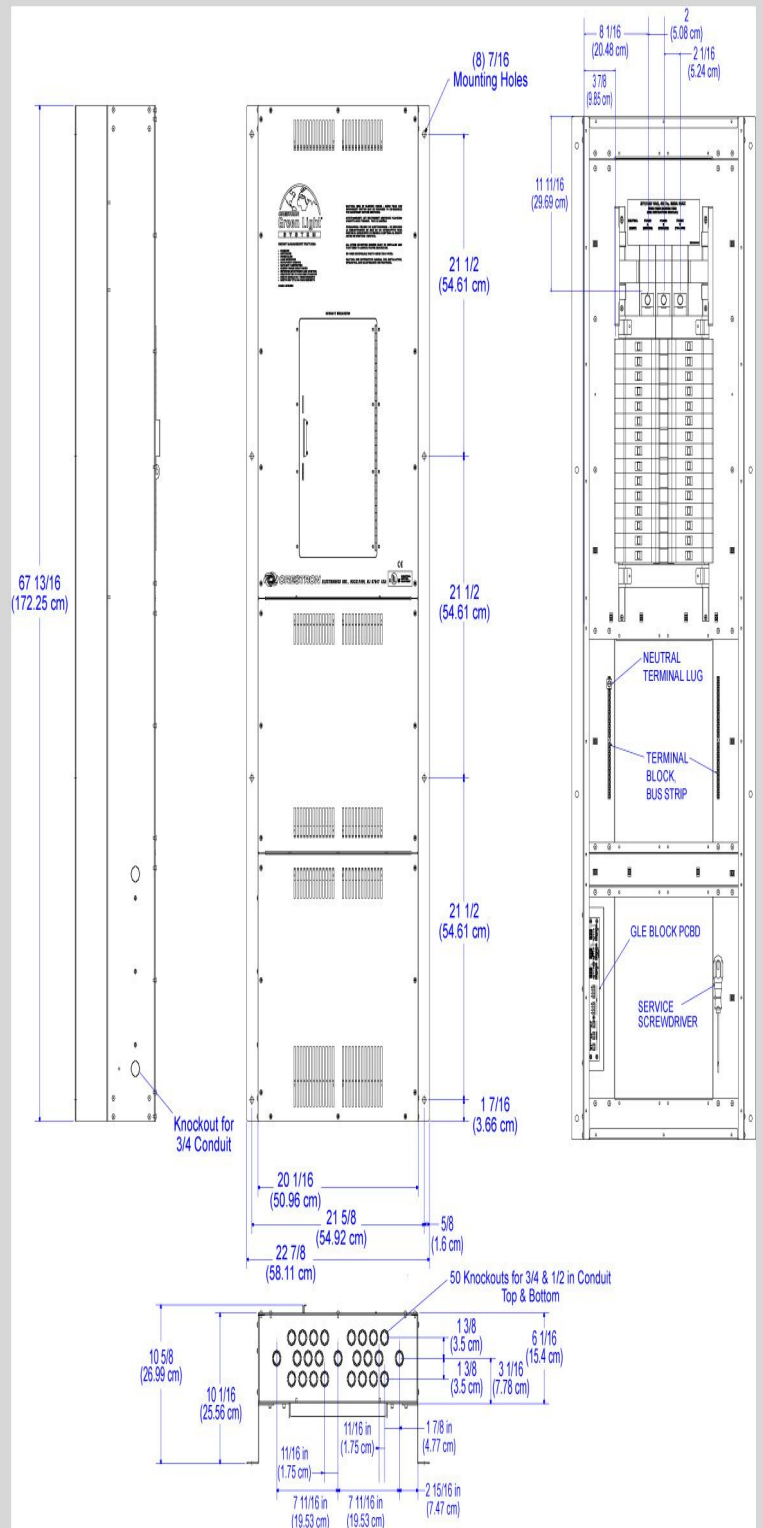
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GLE-MLO-2X2-120-42



GLE-MLO-2X2-277-42

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