

2000 Series

Clinic Status System (Wired)

Installation Guide



MILWAUKEE, WI
800-558-8957

Index

<u>Description</u>	<u>Pages</u>
Operation and Specifications	3 - 5
Schematic - S-131AS	6
Schematic - S-132AS	7
Schematic - S-133AS	8
Schematic – A-4448-1 (Front)	9
Schematic – A-4448-1 (Rear)	10
Diagram – S-131AS, LED-101, A-4448-1	11
Diagram – S-132AS, LED-102, A-4448-1	12
Diagram – S-132AS, LED-102, A-4448-1	13

Operation and Specifications

2000 Series Clinic Status

Equipment

A-4000 “TG” Series
A-4448-1
S-131AS (S-Series)
S-132AS (S-Series)
S-133AS (S-Series)
4740-02X

3010-018
L-101A, L-201A, L-301A
8020-001X

LED-101
LED-102
LED-103
LED-103CS
LED-103SP
LS-101AP or LS-101AS
LS-201AP, LS-201AS, LS-201A/CH
DS-110, D-113 Series
P-512241A
P-512243A
B-5243A

Type / Description

LED Annunciator Panel (All Red LEDs - Stainless Steel faceplate)
48-LED Easy Label Annunciator (All Red LEDs – Custom Colors Avail.)
Lighted 1-Pushbutton Station, Push ON/OFF (Choose Button Cap Color)
Lighted 2-Pushbutton Station, Push ON/OFF (Choose Button Cap Colors)
Lighted 3-Pushbutton Station, Push ON/OFF (Choose Button Cap Colors)
Lighted Pushbutton Station Switch Caps (Color Options Below):
(Red X=1, Green X=2, Blue X=3, Yellow X=4, White X=4, Amber X=6)
Lighted Pushbutton Station Light Bulb Replacement (#85 Base, 28V)
Corridor Light (Incandescent Lamp – Single, Double, or Triple-Gang)
Colored LED Bulb Module (only for L-101A, L-201A, L-301A Dome Lights)
(Red X=R, Green X=G, Blue X=B, Amber X=A, White X=W)
LED Dome Light (3-sections, All White)
LED Dome Light (3-sections, 1 White, 2 Red)
LED Dome Light (3-sections, 1 White, 1 Red, 1 Blue)
LED Dome Light (3-sections, 1 Red, 1 Amber, 1 Green)
LED Dome Light (3-sections, Custom Colors – Contact Cornell for Details)
Corridor Light / Sounder (Single-gang, Single Lamp – Pulse, Steady)
Corridor Light / Sounder (Dual-gang, Single Lamp – Pulse, Steady, Chime)
Duty Stations (Single-gang, Auxiliary Sounders)
12VDC/24VDC, 1 Amp Power Supply (No Battery Backup)
12VDC/24VDC, 3 Amp Power Supply (No Battery Backup)
3 Amp Power Supply (Battery Backup, Pair of 12V, 7Ah Batteries)

Operation

Activation of any S-Series Pushbutton will cause the following: A steady visual indication appears at the calling station (button illuminates), Room Corridor Light (or corresponding section of one), associated LED indicators at all Master Annunciators (if used), and at all Duty Stations (if used). A pulsing tone will sound at all associated Nurses Master Annunciator(s), the corresponding Corridor Light w/ Sound, and all Duty Stations. Push the button again to end or stop the call alerts. Requires 24VDC for operation.

The pushbutton sends a voltage to an optional Corridor Light and/or LED Annunciator Panel. More than one LED Annunciator Panel can be used on a single system.

A-4000 Annunciators

Indicators	LEDs
Tone	Electric tone device
Finish	Anodized aluminum or stainless steel w/ satin finish
Controls	Tone Hi/Lo toggle switch Screwdriver slot for tone volume adjustments (TG models only)
Designations	Silk-screened on faceplate LED designation strips provided for easy labeling A-4448-1 includes “Easy-Label” vellum / templates

S-Series Pushbutton Stations

Indicators	Incandescent Button Bulbs (replaceable)
Finish	Single-gang stainless steel w/ satin finish
Controls	Push ON/OFF Buttons
Options	Different colored button caps available (4740-02X, X = color) (Red X=1, Green X=2, Blue X=3, Yellow X=4, White X=5, Amber X=6)

Corridor Lights

Indicators	L-series, LS-series uses Incandescent (BA15) LED colored bulbs/lamps sold separately (L-series / LS-series) LED-series uses incorporated LEDs
Finish	Stainless steel w/ satin finish Dome Cover (White or Red) 2" W x 2 ¾" L x 2 9/16"D (Dome Cover)
Designations	Silk-screening of the dome cover available

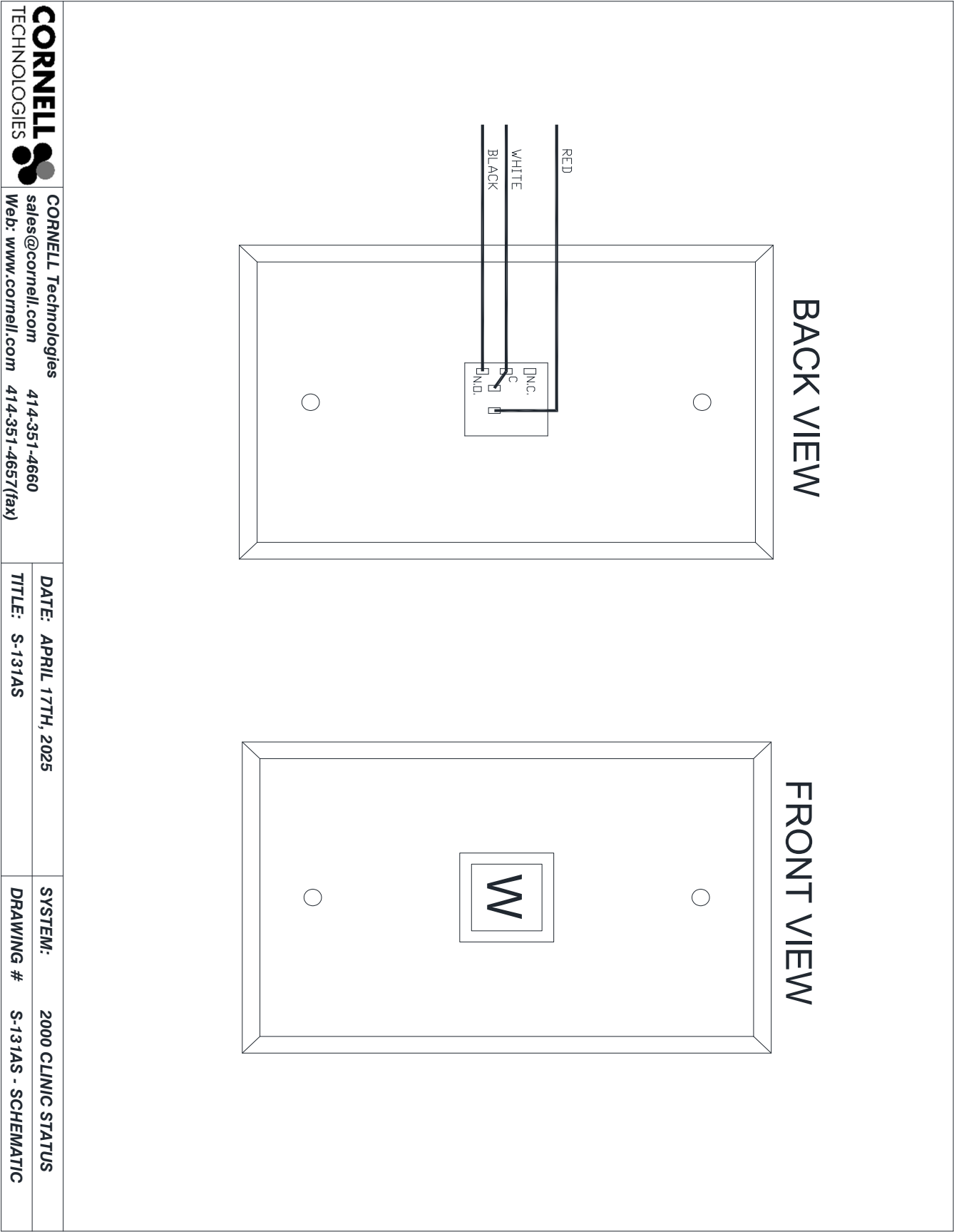
Duty Stations

Indicators	DS-110 Red “Call Placed” LED D-113 Series None
Tone	Piezo Electric
Finish	Stainless steel w/ satin finish
Controls	Tone Hi/Lo toggle switch
Designations	Silk-screened on faceplate

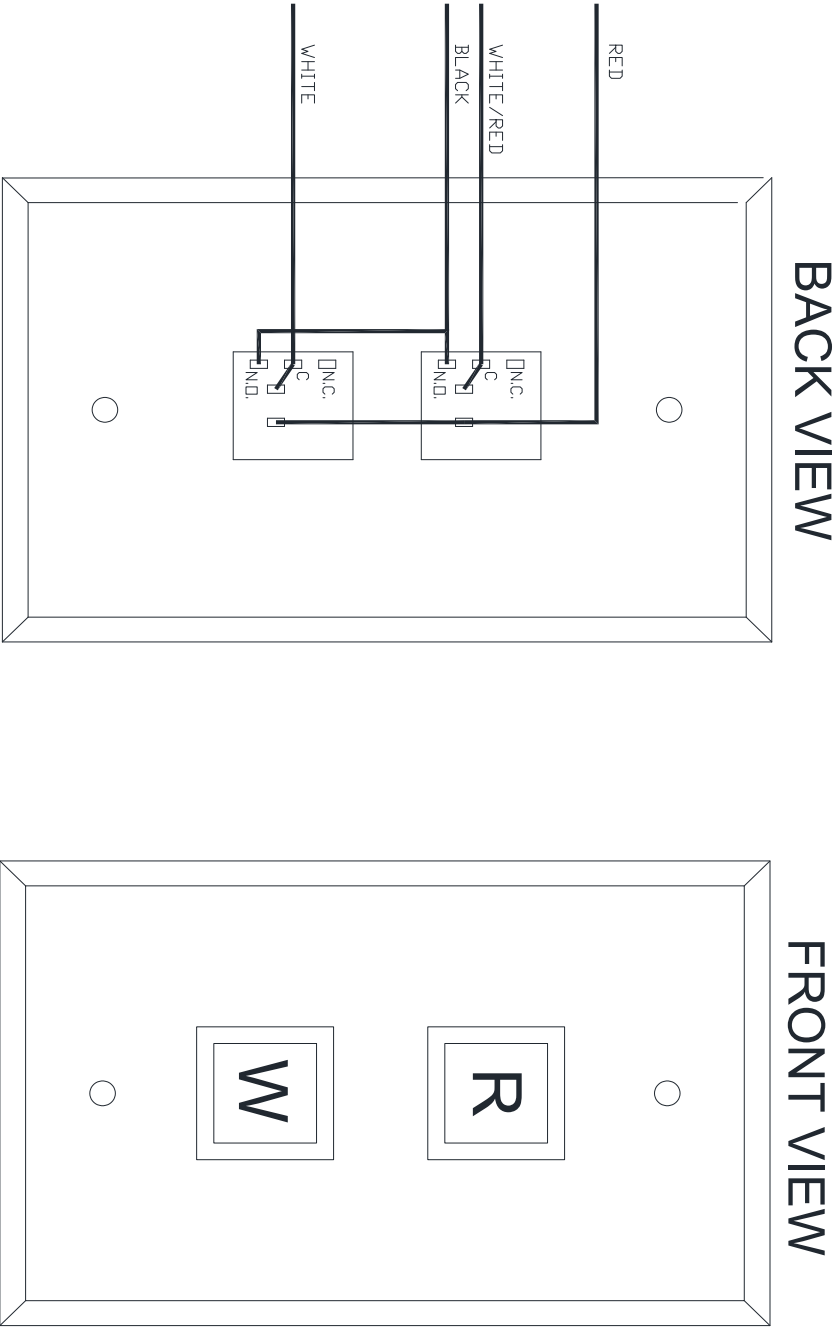
Power Supplies

	P-512241A	P-512243A	B-5243A
Indicators	Red(ON), Green(ON) Normal Red(ON), Green(OFF) Loss of AC Red(OFF), Green(ON) No DC output Red(OFF), Green(OFF) Loss of AC / DC	Red(ON), Green(ON) Normal Red(ON), Green(OFF) Loss of AC Red(OFF), Green(ON) No DC output Red(OFF), Green(OFF) Loss of AC / DC	Red(ON), Green(ON) Normal Red(ON), Green(OFF) Loss of AC Red(OFF), Green(ON) No DC output Red(OFF), Green(OFF) Loss of AC / DC
Size	8 ½"H x 7 ½"W x 3 ½"D	13 ½"H x 12 ¾"W x 3 ¼"D	14 ¾"H x 12"W x 4 ½"D
Amps	1 Amp @ 24VDC	3 Amps @ 24VDC	3 Amps @ 24VDC
Voltage	Switchable 12VDC or 24VDC	Switchable 12VDC or 24VDC	Switchable 12VDC or 24VDC
Batteries	NO	NO	Yes – Pair of 12VDC, 7Ah batteries

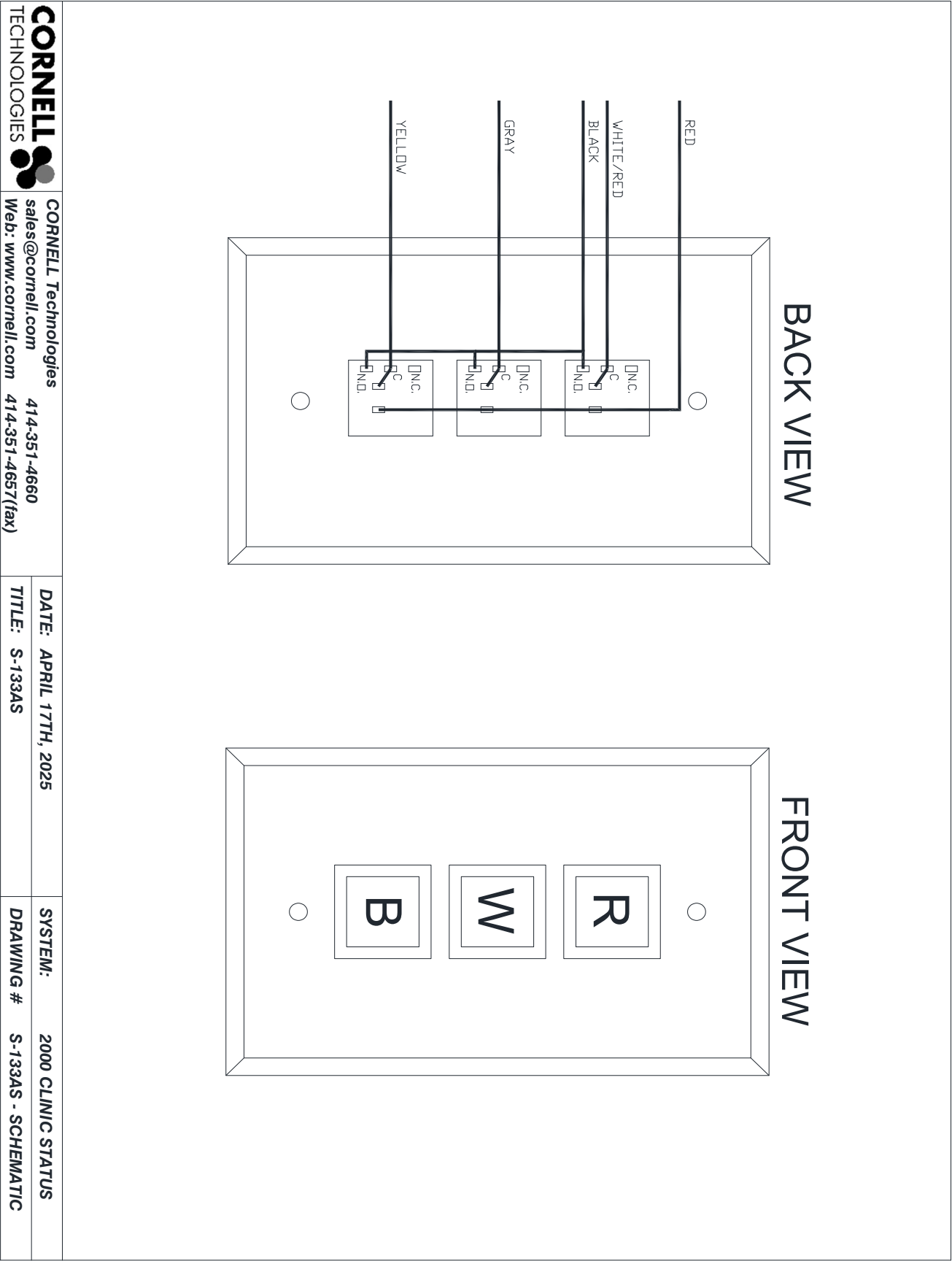
***Call factory to verify UL Listed components**



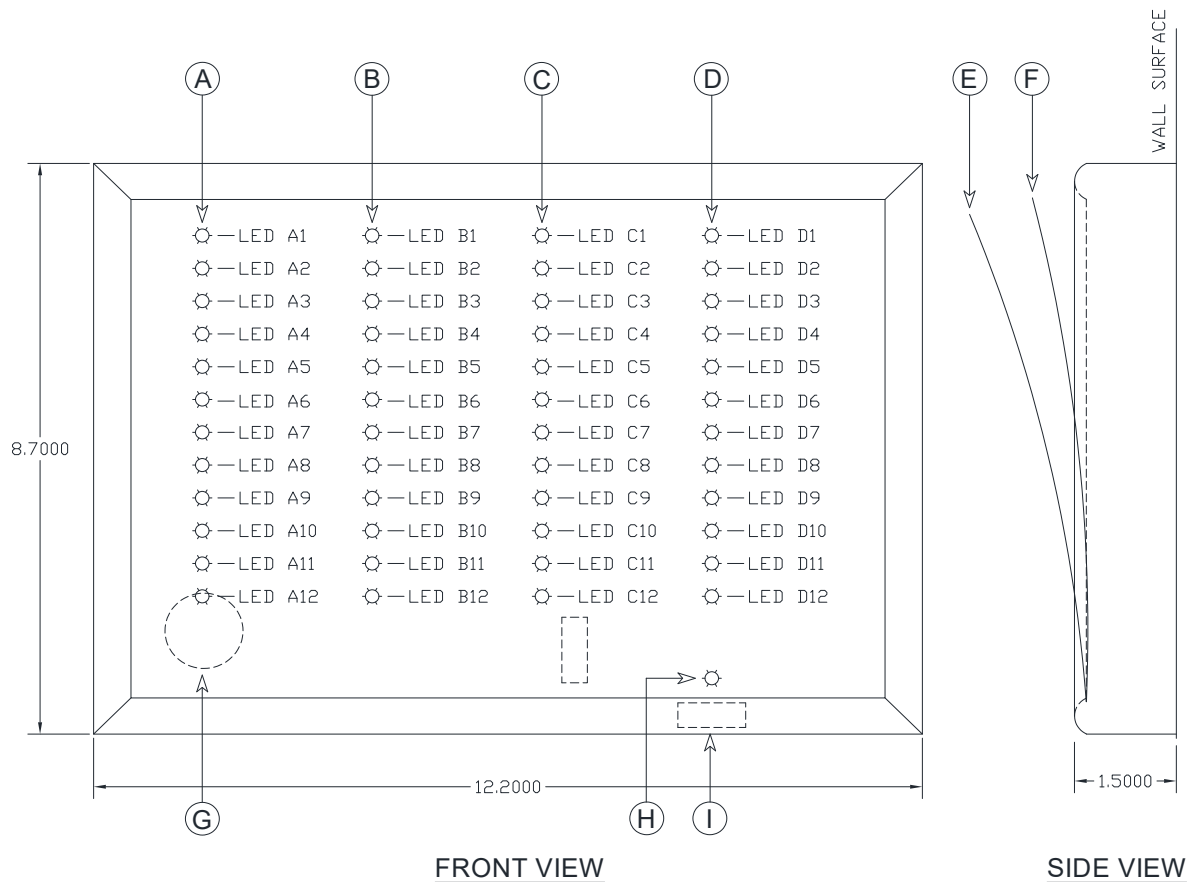
CORNELL TECHNOLOGIES 	CORNELL Technologies		DATE: APRIL 17TH, 2025	SYSTEM: 2000 CLINIC STATUS
	sales@cornell.com	414-351-4660		
Web: www.cornell.com		414-351-4657 (fax)	TITLE: S-131AS	DRAWING # S-131AS - SCHEMATIC



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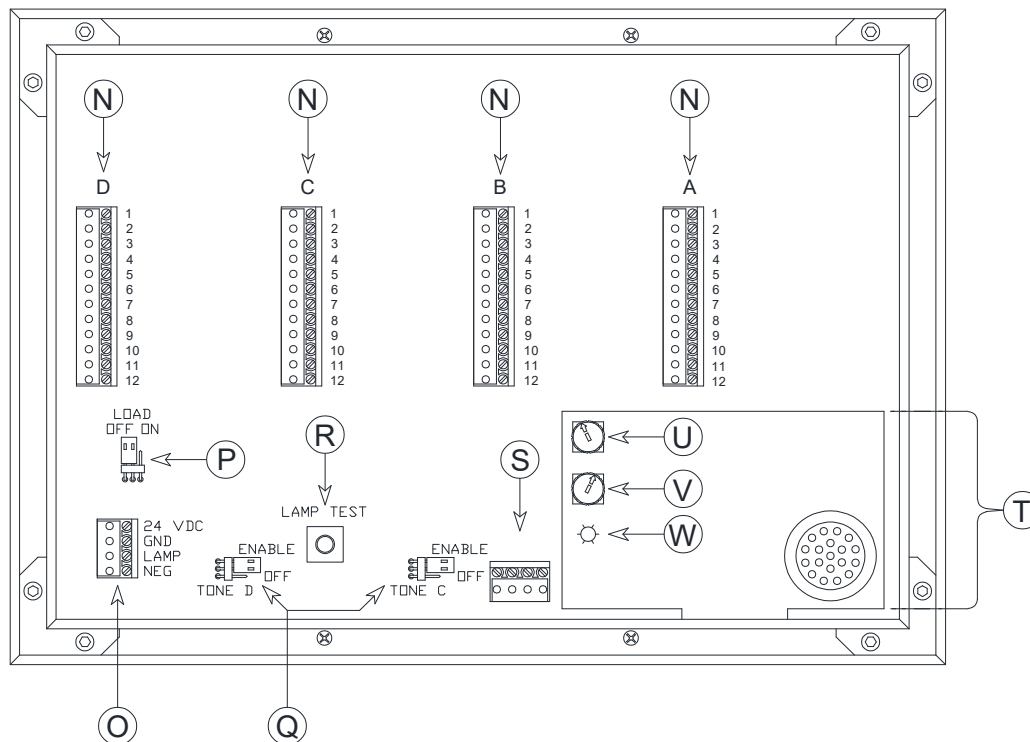
A-4448-1 (FRONT VIEW)



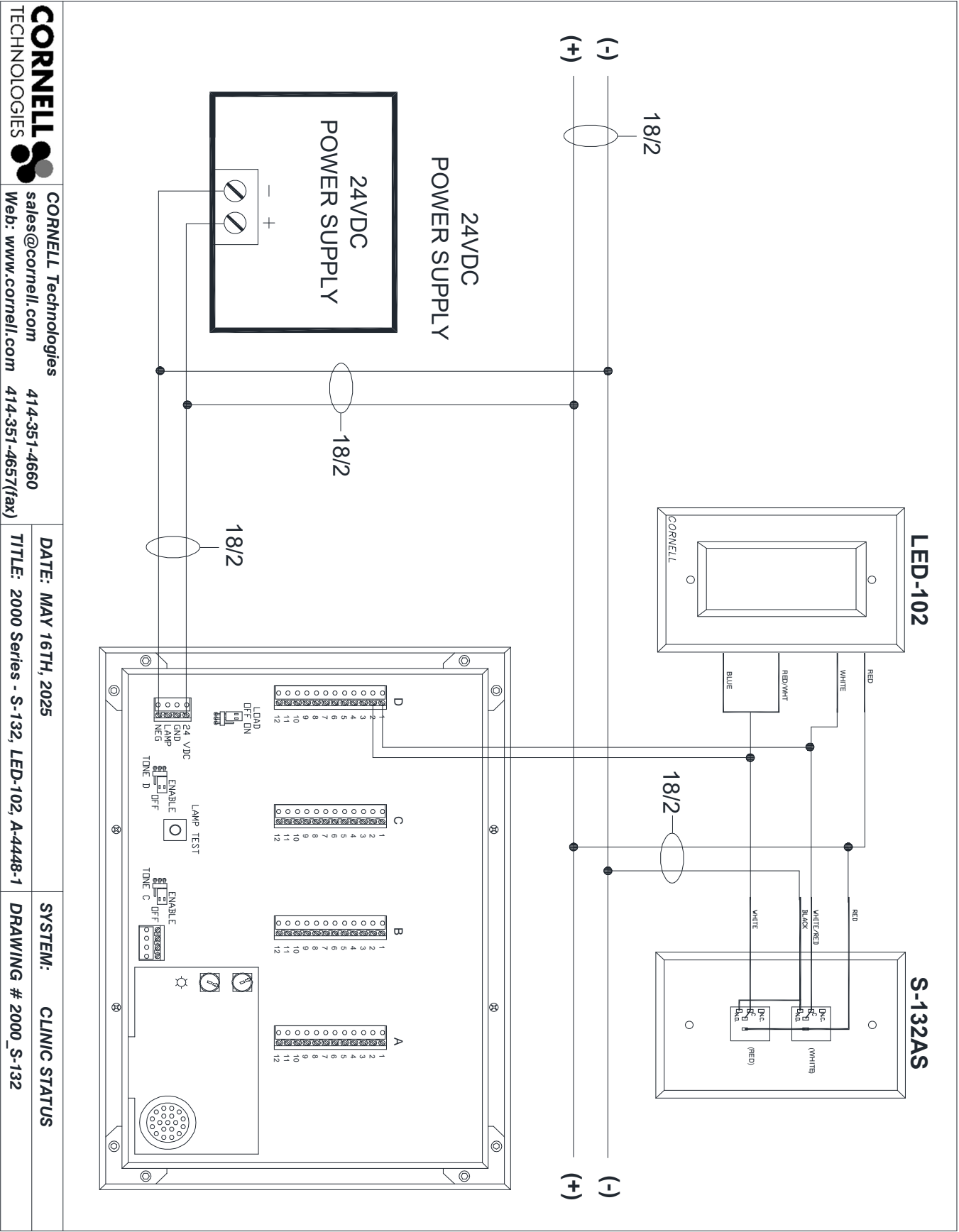
LEGEND:

- (A) COLUMN "A" LEDs - [RED, UNLESS ORDERED IN OTHER COLOR SCHEME]
- (B) COLUMN "B" LEDs - [RED, UNLESS ORDERED IN OTHER COLOR SCHEME]
- (C) COLUMN "C" LEDs - [RED, UNLESS ORDERED IN OTHER COLOR SCHEME]
- (D) COLUMN "D" LEDs - [RED, UNLESS ORDERED IN OTHER COLOR SCHEME]
- (E) OVERLAY SHEET - CLEAR, TEXTURED POLYCARBONATE WITH NON-GLARE SURFACE (VELLUM)
(REPLACABLE FROM FRONT - PROTECTS & HOLDS PRINTED LABEL SLIP-SHEET)
- (F) VELLUM SLIPSHEET - MAY BE PRINTED VIA STANDARD OFFICE PC USING MS WORD
(TEMPLATES AVAILABLE FROM CORNELL)
(REFER TO "SLIPSHEET PRINTING INSTRUCTIONS" FOR MORE INFORMATION)
- (G) SOUNDER - [HIDDEN BEHIND FACEPLATE]
(REFER TO REAR-VIEW, SOUNDER CARD FOR MORE INFORMATION)
- (H) POWER INDICATOR LED (GREEN) -
(ILLUMINATED LED INDICATES ANNUNCIATOR UNIT IS RECEIVING POWER)
- (I) MAGNETIC LAMP TEST SWITCH [HIDDEN BEHIND FRAME]
(TEMPORARILY HOLDING A MAGNET IN THIS AREA TRIGGERS LAMP-TEST FUNCTION)

A-4448-1 (REAR VIEW)



- (N)** LED CONNECTIONS - REMOVABLE TERMINAL STRIPS (QTY = 4):
- EACH LED INPUT RECEIVES A SWITCHED NEGATIVE VOLTAGE FROM FIELD DEVICES.
- (NOTE: COLUMNS APPEAR IN REVERSE ORDER WHEN VIEWED FROM THE REAR OF THE LED PANEL, SINCE THEY ARE ORIENTED AS VIEWED FROM THE FRONT).
- (O)** POWER CONNECTION - REMOVABLE TERMINAL STRIP:
- 24VDC = POSITIVE 24 VOLTS DC INPUT (FROM POWER SUPPLY "+")
 - GND = EARTH GROUND CONNECTION (REQUIRED FOR PROTECTION AGAINST ESD)
 - LAMP = CONNECTION FOR EXTERNAL LAMP TEST (ONE SIDE OF SWITCH GOES TO THIS TERMINAL, THE OTHER SIDE GOES TO "NEG").
 - NEG = NEGATIVE 24 VOLTS DC INPUT (FROM POWER SUPPLY "-")
- (P)** LOAD RESISTOR JUMPER (FOR MULTI-STATUS SYSTEMS WITHOUT DOME LIGHTS)
- IF THIS ANNUNCIATOR IS BEING USED WITH A "MULTI-STATUS" NURSE CALL SYSTEM, AND IF CORRIDOR DOME LIGHTS ARE NOT BEING UTILIZED, CONSULT THE A-4400 TECHNICAL MANUAL, AND PLACE THIS JUMPER INTO THE "ON" POSITION.
- (LEAVE THIS JUMPER IN THE "OFF" POSITION IF USED ON A "SINGLE-STATUS" SYSTEM)
- (Q)** TONE ENABLE JUMPERS (QTY. 4) [TONE "A" AND "B" ARE HIDDEN BEHIND SOUNDER CARD:
- WHEN USED IN "SINGLE-STATUS" MODE - EACH JUMPER CORRESPONDS TO A COLUMN OF LEDS:
- ENABLE = ALL LEDS IN CORRESPONDING COLUMN TRIGGER THE SOUNDER WHEN LIT
 - OFF = SOUNDER IS SILENT WHEN LEDS IN CORRESPONDING COLUMNS ARE LIT
- (R)** LAMP TEST SWITCH - PRESS AND HOLD THIS SWITCH TO ILLUMINATE ALL LEDS.
- (S)** SOUNDER CONNECTIONS - (FACTORY JUMPER BETWEEN TERMINALS "1" AND "4")
- "SINGLE-STATUS" = LEAVE THE FACTORY JUMPER INSTALLED
 - "MULTI-STATUS" = REMOVE THE FACTORY JUMPER, CONNECT "HI" TO TERMINAL #3)
- (T)** SOUNDER CARD / TONE BOARD - PLUGS INTO SOCKET ON MAIN CIRCUIT BOARD
- (U)** SOUNDER VOLUME CONTROL (POTENTIOMETER "P1")
- CONTROLS SOUND LEVEL IN ALL MODES WHERE INTERNAL SOUNDER IS USED.
- (V)** "TG RATE" CONTROL (POTENTIOMETER "P2")
- CONTROLS SOUNDER TONE RATE (SLOW TO FAST BEEP)
- (W)** "POWER" LED (GREEN)
- ILLUMINATED = TONE BOARD IS "ON" AND RECEIVING 24-VOLT POWER



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DATE: MAY 16TH, 2025
TITLE: 2000 Series - S-132, LED-102, A-4448-1

SYSTEM: CLINIC STATUS
DRAWING # 2000_S-132

