SAMPLE ONLY: DO NOT USE FOR INSTALLATION!

Sample Instructions

Note 1. See RISER DIAGRAM for panel types and placement.
Note 2. 33 and 55 series panels require mounting bezels
supplied by Varitronics. Install these plastic frames before
attempting to mount panels.
Note 3. All unlisted terminals are not used.

Step 1) Connect Inside Panel to Outside Panel for ROOMS 1-7,
LASER AND MINOR SURDERY as follows.

Inside Panel	to	Outside Panel	Your Color Code
Terminal 6	to	Terminal 6	GREEN\WHITE
Terminal 5	to	Terminal 13	WHITE\ORANGE
Terminal 4	to	Terminal 15	ORANGE\WHITE
Terminal 2	to	Terminal 1	WHITE\BLUE
Terminal 1	to	Terminal 16	BLUE\WHITE

Step 2) Connect the Outside Room Panels for ROOMS 1-7,LASER AND
MINOR SURGERY to their correct Room Strip. Room Strips are
located in the Breakout Box. Rooms 1-7 correspond to Strips
1-7,LASER IS STRIP 8,MINOR SURGERY IS STRIP 9 respectively.
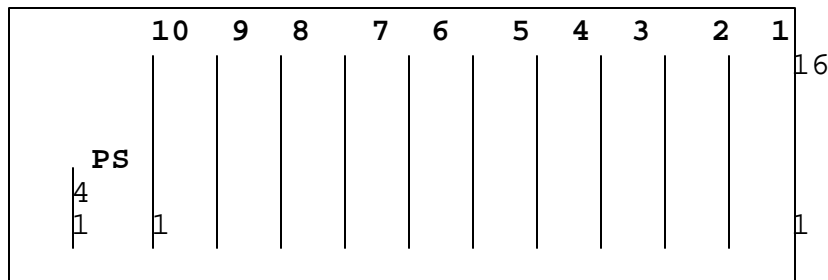They are configured running right to left as shown in Fig. 1.

Breakout Box

Fig. 1

*NOTE: BLACK TERMINAL DENOTES TERMINAL 1 ON ANY GIVEN STRIP

SAMPLE ONLY: DO NOT USE FOR INSTALLATION!

Outside Panel	to	Breakout Box	Your Color Code
Terminal 2	to	Terminal 16	ORANGE\RED
Terminal 9	to	Terminal 15	RED\BLUE
Terminal 3	to	Terminal 14	BLUE\RED
Terminal 10	to	Terminal 13	WHITE\GREY
Terminal 4	to	Terminal 12	GREY\WHITE
Terminal 11	to	Terminal 11	WHITE\BROWN
Terminal 5	to	Terminal 10	BROWN\WHITE
Terminal 12	to	Terminal 9	WHITE\GREEN
Terminal 6	to	Terminal 8	GREEN\WHITE
Terminal 13	to	Terminal 7	WHITE\ORANGE
Terminal 15	to	Terminal 4	ORANGE\WHITE
Terminal 1	to	Terminal 2	WHITE\BLUE
Terminal 16	to	Terminal 1	BLUE\WHITE

Step 3) Connect the PATIENT READY IN THE DR OFFICES to the Breakout Box as follows.

PATIENT READY Panel	to	Breakout Box	Your Color Code
RED LIGHT			
GREEN WIRE	to	Terminal 6\STRIP 2	WHITE\BLUE
BLACK WIRE	to	Terminal 1\STRIP 2	BLUE\WHITE
WHITE LIGHT			
GREEN WIRE	to	Terminal 6\STRIP 3	WHITE\BLUE
BLACK WIRE	to	Terminal 1\STRIP 3	BLUE\WHITE

2

SAMPLE ONLY: DO NOT USE FOR INSTALLATION!

Step 4) Connect the PATIENT ARRIVE PANELS AT RECEPTION AND NURSE STATION TO EACH OTHER AS SHOWN ON THE RISER AS FOLLOWS:

NURSE STA   to   RECEPTION

Terminal 6   to   Terminal 6   GREEN\WHITE

Terminal 5   to   Terminal 5   WHITE\ORANGE

Terminal 4   to   Terminal 4   ORANGE\WHITE

Terminal 3   to   Terminal 3   WHITE\BLUE

Terminal 1   to   Terminal 1   BLUE\WHITE

Step 5) Connect the PATIENT ARRIVE PANELS AT RECEPTION TO THE BREAKOUT BOX AS FOLLOWS:

RECEPTION PNL   to   BREAKOUT BOX   COLOR CODE

Terminal 6   to   Terminal 6\STRIP 4   GREEN\WHITE

Terminal 5   to   Terminal 5\STRIP 4   WHITE\ORANGE

Terminal 4   to   Terminal 6\STRIP 5   ORANGE\WHITE

Terminal 3   to   Terminal 5\STRIP 5   WHITE\BLUE

Terminal 1   to   Terminal 1\STRIP 5   BLUE\WHITE

Step 6) Connect the 50 conductor cables between Breakout Box and Master Panels as follows.

MASTER PANEL	**to**	**MASTER PANEL**		
CABLE 1			to	CABLE 1
CABLE 2	to	CABLE 2		
Master Panel	**to**	**Breakout Box**		
CABLE 1	to	CABLE 1		
CABLE 2	to	CABLE 2		

Step 7) Connect the 64 conductor cables between the Power Supply and Breakout Box as follows.

Power Supply	**to**	**Breakout Box**
CABLE A	to	CABLE A
CABLE B	to	CABLE B

Step 8) Plug the MAT-N-LOK cable from the Breakout Box to its mating receptacle on the Power Supply.

SAMPLE ONLY: DO NOT USE FOR INSTALLATION!

TESTING THE SYSTEM

CAUTION!

MAKE SURE THE CIRCUIT CARDS ARE PROPERLY SEATED BY PRESSING THE CARD CAGE BACKPLANE TOWARDS THE CARDS BEFORE TESTING.

REMINDER!

Due to the custom nature of each system typographical errors, even though a rarity, do occur. It is imperative to test all the features in the system and report any discrepancies to George Ayoub at 1-800-345-1244.

*DO NOT TURN ON ALL THE LIGHTS IN THE SYSTEM AT THE SAME TIME

PANEL(S): EXAM ROOMS 1-6,MINOR SURG.

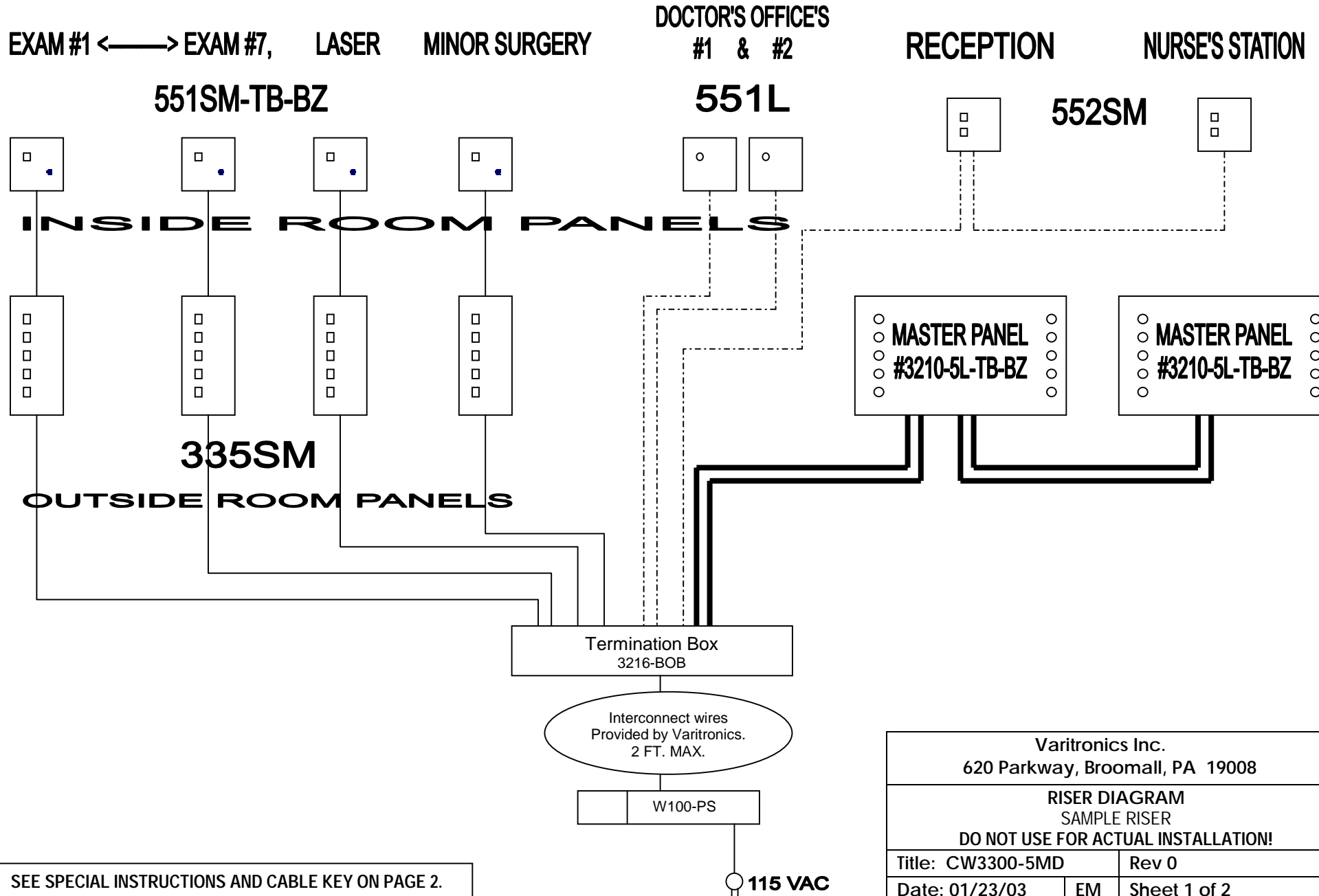| SWITCH	FUNCTION	MONITOR LOCATION	TONE
RED	DR. SEQUENCE	MASTER	
WHITE	DR. SEQUENCE	MASTER	
ORANGE	BLINK\ON\OFF	MASTER	
GREEN	BLINL\ON\OFF	MASTER	
YELLOW	BLINK\ON\OFF	MASTER	MASTER
BLACK TONE BUTTON	BUZZ		MASTER
RED TONE BUTTON (MASTER)	BUZZ		EXAM ROOM 1-7 MINOR SURG. LASER

SOFTWARE DESCRIPTION
DRS. SEQUENCE
Test the appropriate colored switch at the designated locations one **switch at time.** They should be blink slow/blink fast/off. The corresponding Monitor light(s) should reflect its status.

BLINK\ON\OFF
Test the appropriate colored switch at the designated locations one **switch at time.** They should be BLINK\ON\OFF. The corresponding Monitor light(s) should reflect its status.

EXAM #1 <———> EXAM #7,   LASER   MINOR SURGERY

DOCTOR'S OFFICE'S
#1 & #2

RECEPTION   NURSE'S STATION

551SM-TB-BZ

551L

552SM

INSIDE ROOM PANELS

335SM

OUTSIDE ROOM PANELS

MASTER PANEL
#3210-5L-TB-BZ

MASTER PANEL
#3210-5L-TB-BZ

Termination Box
3216-BOB

Interconnect wires
Provided by Varitronics.
2 FT. MAX.

W100-PS

115 VAC

SEE SPECIAL INSTRUCTIONS AND CABLE KEY ON PAGE 2.

Varitronics Inc.		
620 Parkway, Broomall, PA 19008		
RISER DIAGRAM		
SAMPLE RISER		
DO NOT USE FOR ACTUAL INSTALLATION!		
Title: CW3300-5MD		Rev 0
Date: 01/23/03	EM	Sheet 1 of 2

RISER DIAGRAM SPECIAL INSTRUCTIONS

1. ALL **#55, #DG, #2G,** PANELS MOUNT ON STANDARD DOUBLE GANG BOXES & ARE SUPPLIED BY OTHERS.

2. **PGX7000 SERIES** PANELS MOUNT ON 2 ½" DEEP DOUBLE GANG **SWITCH *BOXES** & ARE SUPPLIED BY OTHERS.

   *RACO NO. 512 GANGABLE SWITCH BOX (2 REQUIRED) OR EQUIVALENT.

3. ALL **#33-SERIES** PANELS MOUNT ON #3301 BACKBOXES & ARE SUPPLIED BY VARITRONICS INC.

4. IF THE USE OF CONDUIT IS APPLICABLE TO THIS PROJECT ALL 50 CONDUCTOR 24 GAUGE AND 24 CONDUCTOR 24 GAUGE WILL REQUIRE A MINIMUN OF 1½ INCH CONDUIT.

5. **PLEASE WALL MOUNT** ONE FOUR BY FOUR FOOT 5/8 INCH PLYWOOD FOR MOUNTING OF BREAKOUT BOX AND POWER SUPPLY.

6. LABEL WIRES THAT RUN FROM ROOM PANEL TO TERMINATION BOX.

7. 25 PAIR CABLE REQUIRES TYPICAL RIGHT ANGLE MALE TELEPHONE CONNECTORS ON BOTH ENDS.

8. 12 PAIR CABLES REQUIRE RIGHT ANGLE MALE AMP CONNECTORS 552283-1ON BOTH ENDS.

9. **WARNING!** CUTTING ENDS OF PRETERMINATIED CABLES VOIDS ALL WARRANTIES. PHONE SUPPORT FOR CUT CABLES SYSTEMS WILL BE CHARGED ON AN HOURLY BASIS.

10. **CALL FACTORY WITH 25 PAIR OR 12 PAIR CABLE LENGTH AND ALL QUESTIONS REGARDING SYSTEM.   1-800-345-1244**.

CABLE KEY
6 COND 24 AWG   – – – – – – –
16 COND 24 AWG ————
25 PAIR 24 AWG ▬▬▬▬