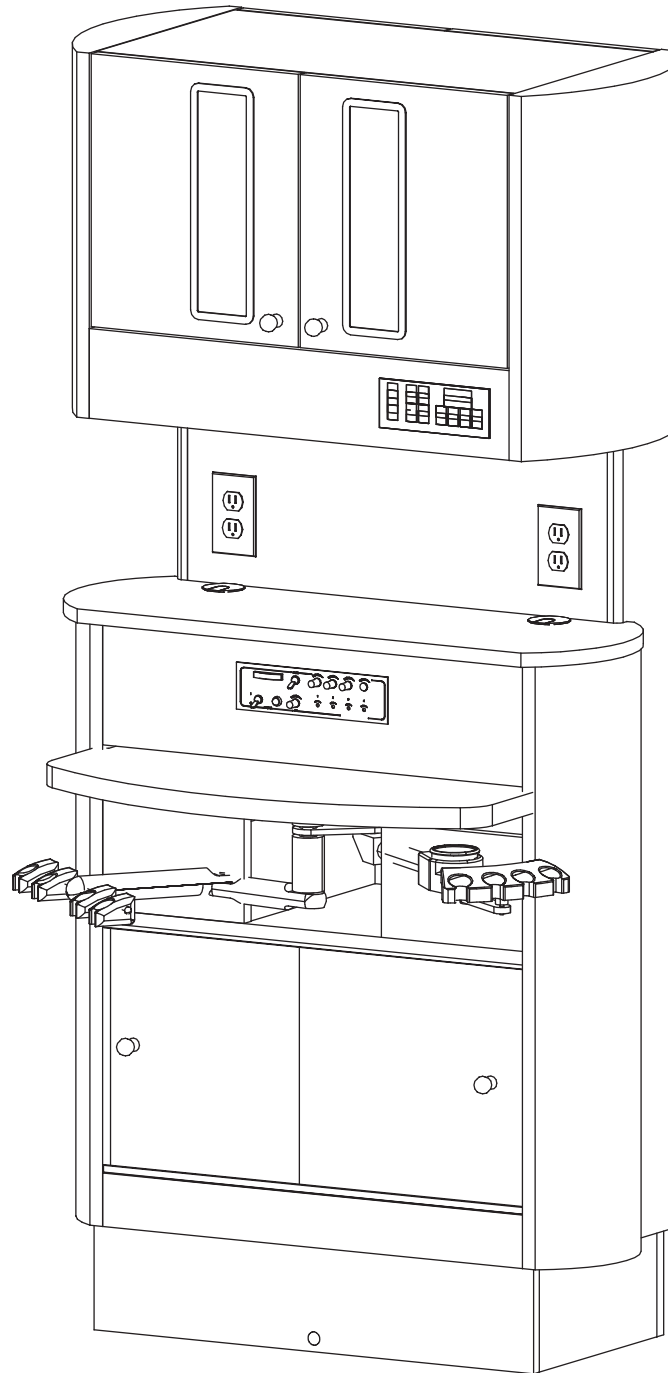


D-Series Dental Cabinetry System

Installation Manual

Model: D-5CM

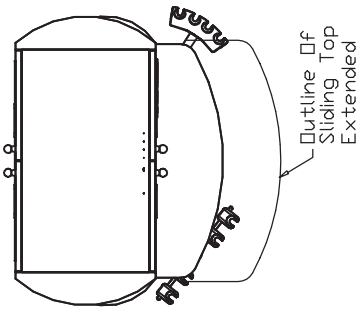


Version: 04272010

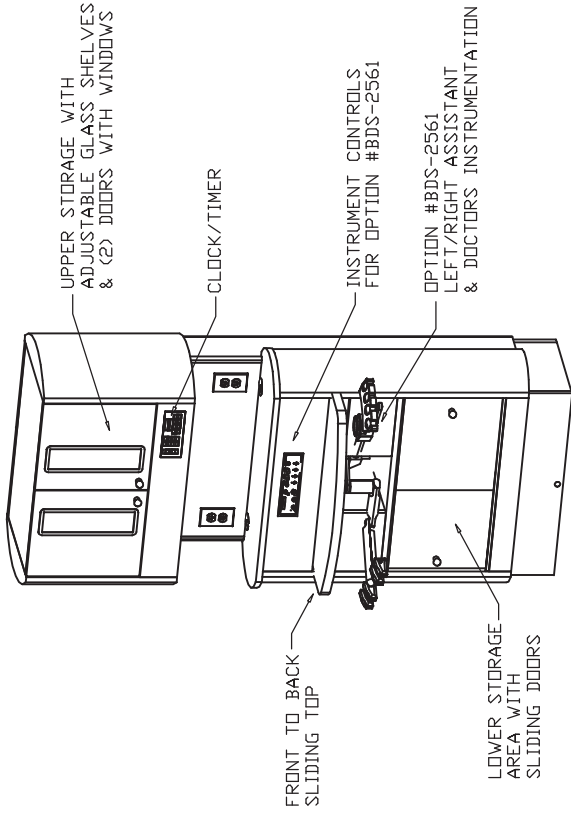
 **Belmont**[®]

1631 Dr. Martin Luther King Drive
St. Louis, MO 63106
(314) 231-7383 1-800-325-7373
Fax (314) 621-2296
www.belmontequip.com

Description: D-5CM Rear Console

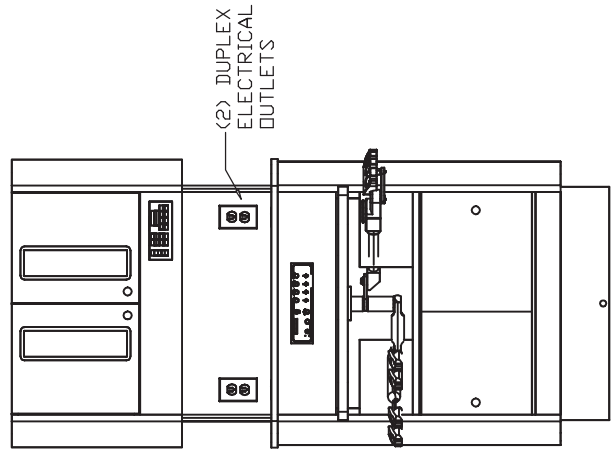


TOP VIEW

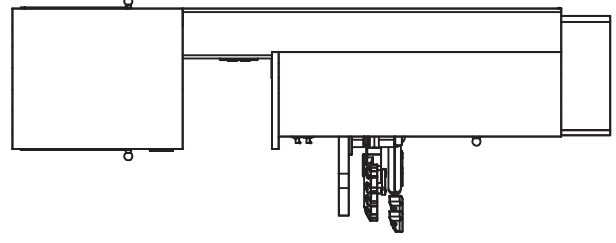


ISOMETRIC VIEW

Model: D-5CM Details



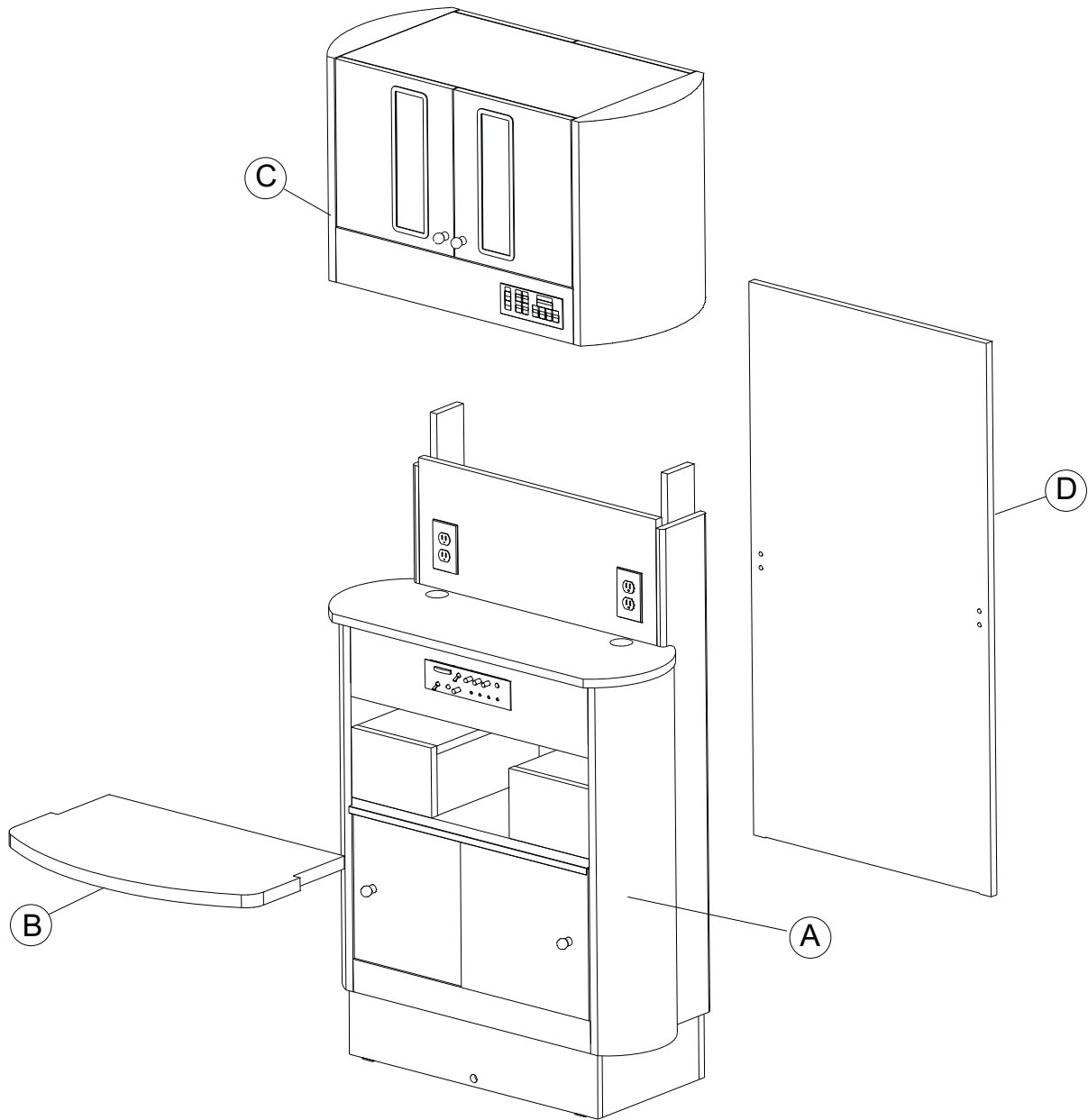
FRONT VIEW



RIGHT SIDE VIEW

D-5CM Assembly Instructions

Component Identification



Component Identification

- (A) Cabinet Base
- (B) Sliding Top
- (C) Upper Storage
- (D) Back Panel

Note:

Back panel (item D) is attached to base cabinet (item A) during shipping. It must be removed for cabinet assembly.

D-5CM Assembly Instructions

Step 1

Check the incoming power location to see if it conforms to the specification on the floor template drawing. Locate and drill the holes in the floor for securing the base to the floor. If a dental delivery system is to be installed on this cabinet, confirm that the appropriate air, water and vacuum plumbing stubs are in place.

Step 2

Remove the removable top (A1), the sliding doors (A2) and the bottom cover (A3).

See Figure 2.

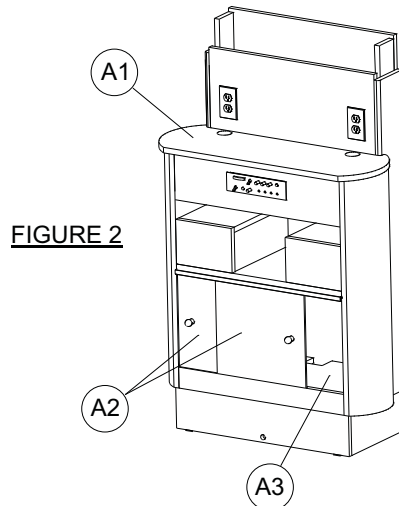


FIGURE 2

Step 3

Remove the back panel (D) from the cabinet base (A) by releasing the KD connector connecting the back panel. Access this KD connector from inside the area where the removable top (A1) was removed.

See Figure 3A Note that there are 2 KD connectors with the 2nd one being on the right side.

Release the KD connector by turning the screw counter clockwise about 1/2 turn.

See Figure 3B Do this to both KD's.

To remove the back panel push back on the top of the back panel until the Keku latches at the upper corners release. See Figure 3C Once unlatched you may pick up the back panel and remove.

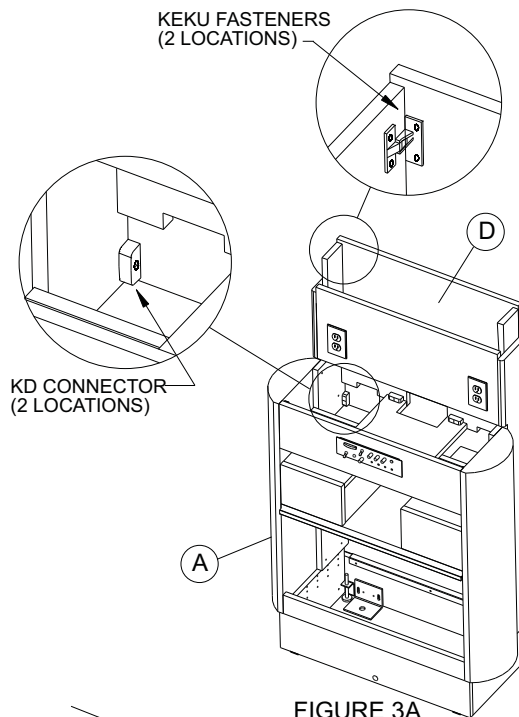


FIGURE 3A

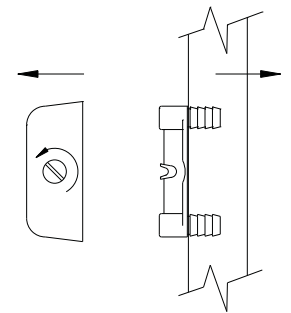


FIGURE 3B

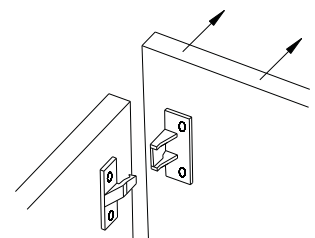


FIGURE 3C

Step 4

Before moving cabinet base make sure the leveling feet are not extended. Screw in to minimum height if they are not. See Figure 4

Move the cabinet base over the electric &/or plumbing stubs and secure to floor using the floor brackets. See Figure 4

Using the leveling feet level the unit.

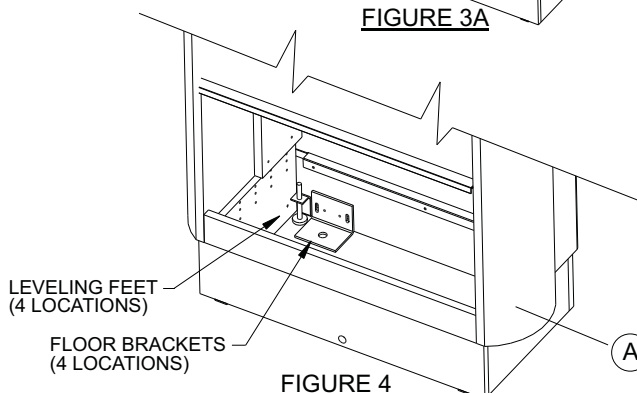


FIGURE 4

D-5CM Assembly Instructions

Step 5

Place upper storage (C) on top of cabinet base (A) and secure with (4) 5/16-20 x 2" bolts, each with a 5/16" flat washer and 5/16" lock washer. (2 bolts on each side). See Figure 5

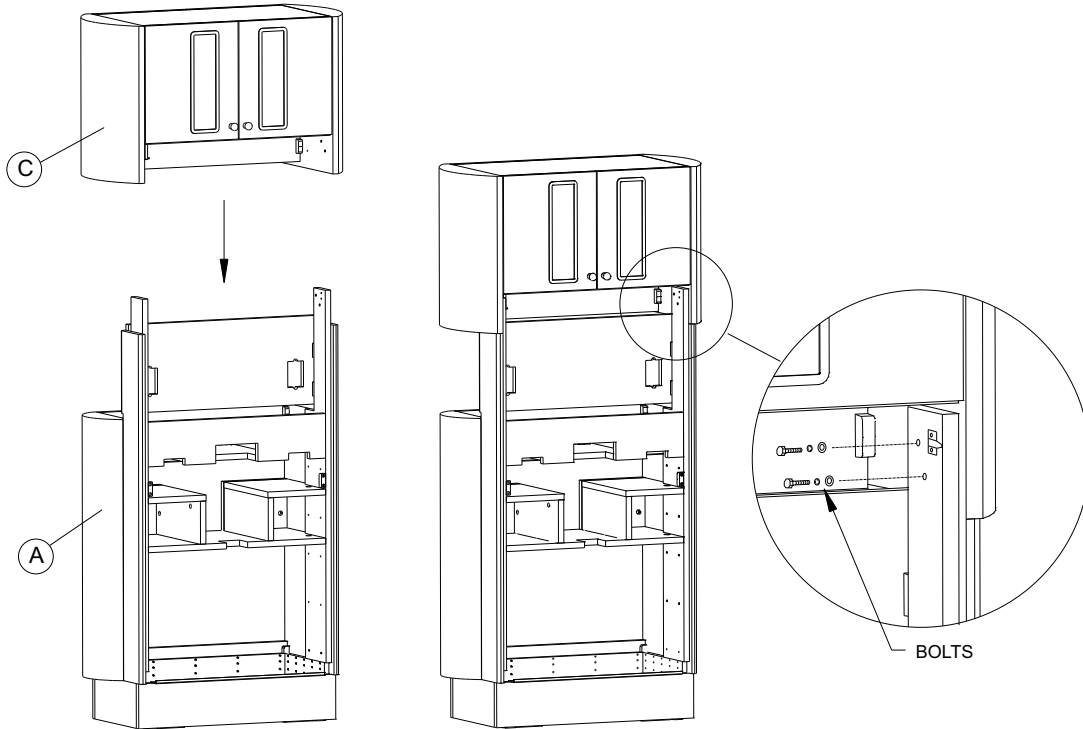


FIGURE 5

Step 6

Make electrical connections per the D-5CM Electrical Instructions.

Step 7

Insert sliding top from the front with the slides extended. See Figure 7A. Have an assistant hold the unit in place and screw the slides in place using (6) #10 x 3/4" PH wood screws (3 on each slide). See Figure 7B

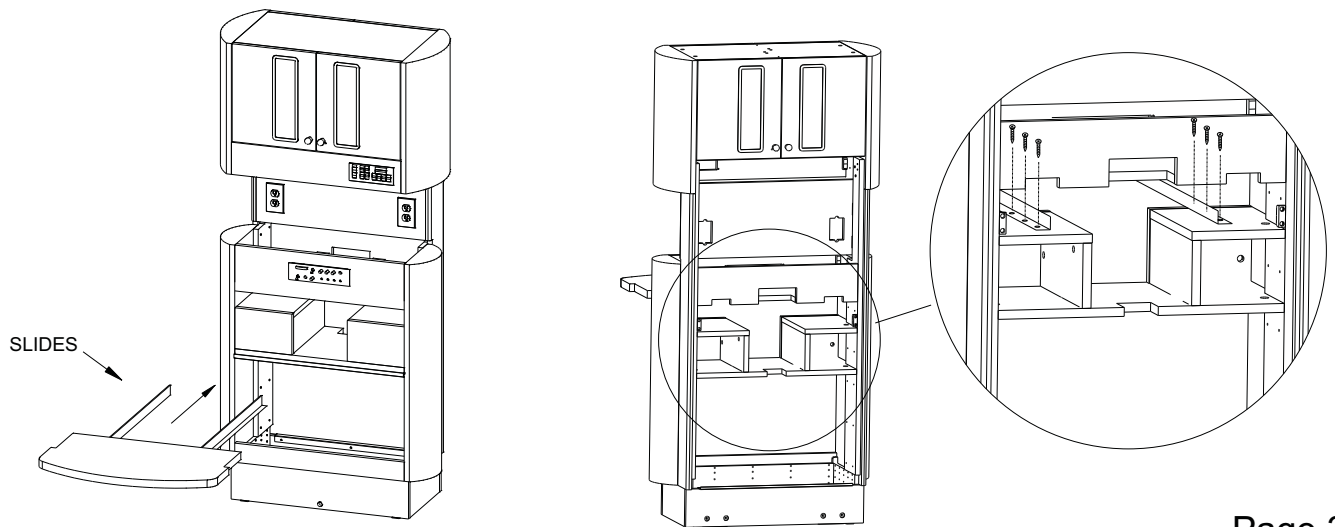


FIGURE 7A

FIGURE 7B

D-5CM Assembly Instructions

Step 8

Mount the left-right rear delivery unit underneath the sliding countertop (B) using (4) #10-32 x 3/4" allen head screws (requires 5/32" allen wrench). See Figure 8

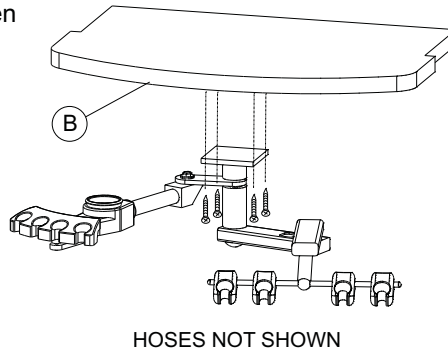


FIGURE 8

Step 9

Install the control panel with (4) #6 x 3/4" white painted screws (supplied by manufacturer) to upper front panel and attach vacuum, air and water connections to building plumbing according to the unit manufacturers directions. See Figure 9

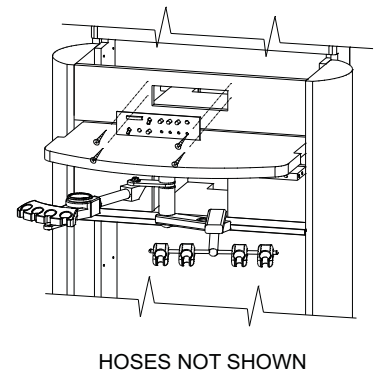


FIGURE 9

Step 10

Replace the back panel (D) to the cabinet base (A) by seating the back panel into the steel angle channel at the bottom of the rear opening. See Figure 10A. Tilt the top of the rear panel into position until the Keku fasteners snap together. See Figure 10B. Engage the 2 KD connectors by accessing the KD connectors from inside the area where the removable top (A1) was removed. See Figure 10C.

Engage the KD connectors by turning the screw clockwise about 1/2 turn. See Figure 10D

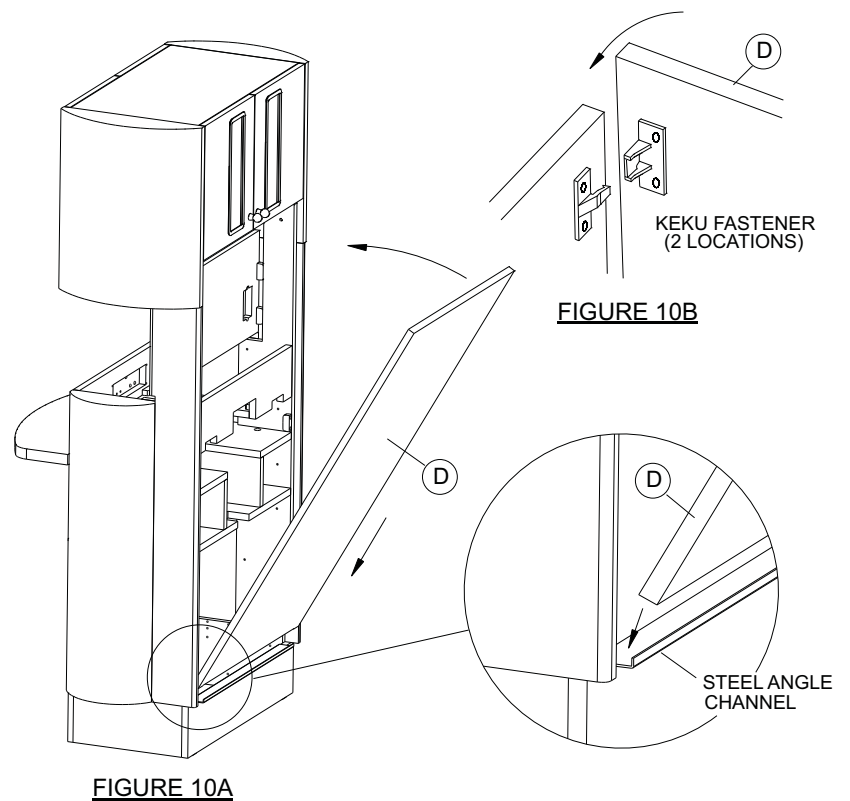


FIGURE 10A

FIGURE 10B

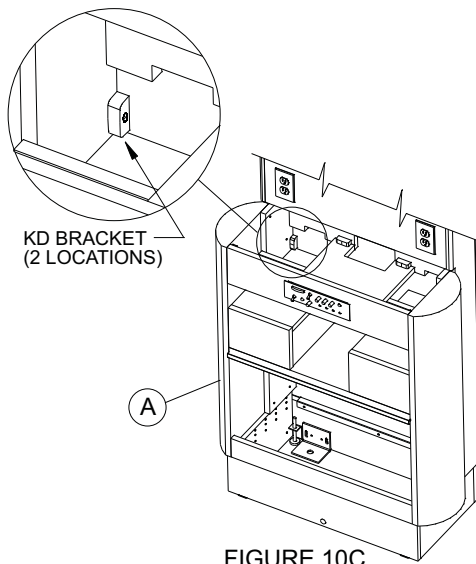


FIGURE 10C

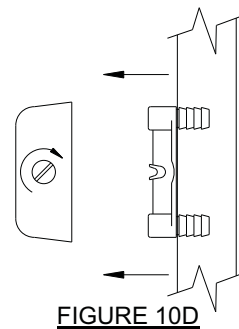
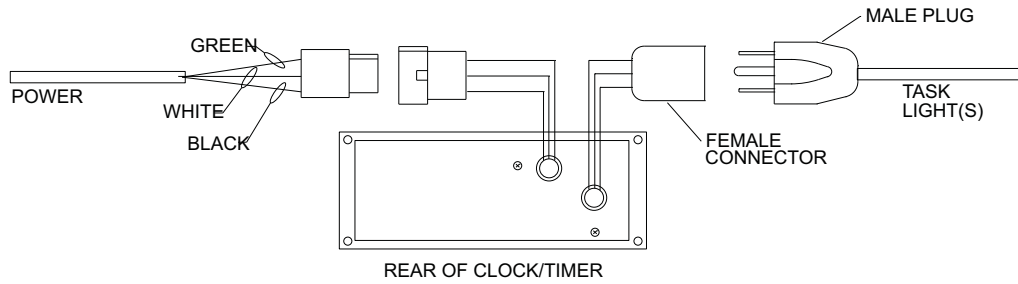
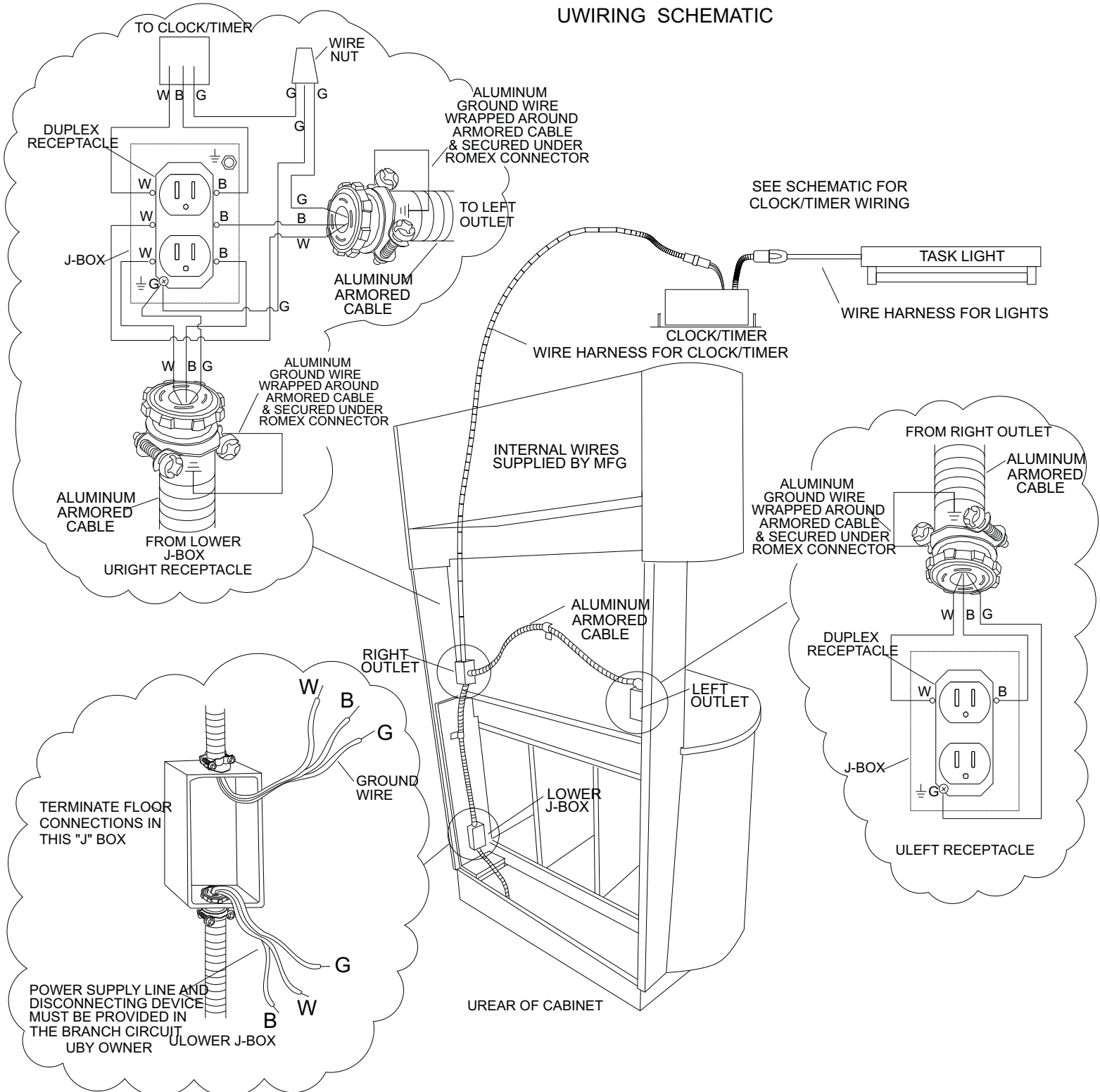


FIGURE 10D

D-5CM & D-66CM ELECTRICAL CONNECTIONS



WIRING SCHEMATIC



D-5CM Assembly Instructions

Step 11

Remove upper doors (to install glass shelves) by opening doors and pulling up on the tab at the end of the hinge base plate mounted on the inside of the cabinet. See Figure 11A

Insert glass shelf support pins (4 for each glass shelf) into holes on the inside end panels and then set glass shelves (B) onto the support pins. See Figure 11B. For glass locations See Figure 11C.

Replace the doors by lining up the hinge and hinge plate then snap the hinge in place. See separate instruction page regarding adjusting the hinges if the doors are not properly aligned.

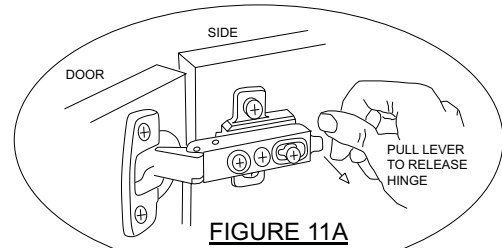


FIGURE 11A

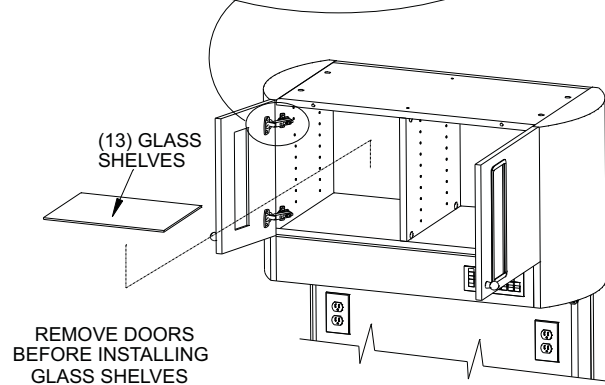


FIGURE 11B

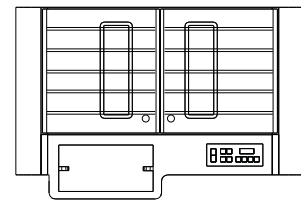


FIGURE 11C

Step 12

Replace the removable top (A1), the sliding doors (A2) and the bottom cover (A3). See Figure 12

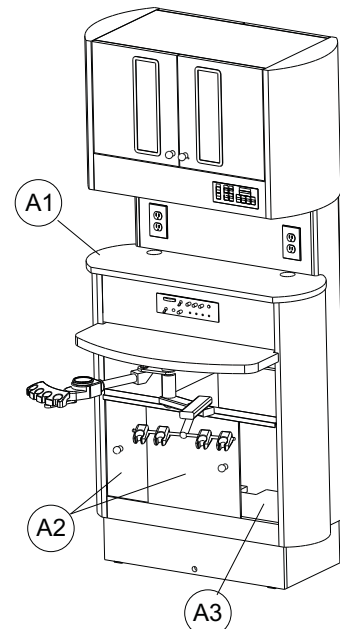


FIGURE 11

Installation Complete

D-5CM Electrical Parts List

1. Junction box w/cover, galvanized steel. Overall dimensions, 4" long, 2 1/8" wide, 1 1/2" deep, .07" thick. U.L. listed or equal.
2. Internal cords are 12/3 AWG, TYPE SO, SOO, SJ, SJT, SJO, or SJTO insulated, rated 300 VAC, 60 °C, U.L. listed or equal. Cabinet between receptacles and timers (unit provided with timers) are minimum 14/3 AWG, type SO, SOO, SJ, SJT, SJO or SJTO insulated, rated 300 VAC, 60 °C.
3. Conduit connector, 3/8" insulated. U.L. listed or equal.
4. Vinyl insulated butted seam ring, wire rated 12-10 AWG. U.L. listed or equal.
5. Wire connectors (wire nut), screw on type. U.L. listed.
6. Flexible conduit, flexible steel conduit, 1/2". U.L. recognized or equal.
7. Receptacle, duplex 2-pole 3 wire grounding hospital grade, rated 125 VAC, 15 AMPS. U.L. listed or equal.
8. Wall plate, duplex, U.L. listed.
9. Fluorescent lamp assembly, see ETL report no. 482012, page 17.
10. Clock/timer, see ETL report no. 482012 page 18, 19.

Clock / Timer Operation

The top display is the Time-of-Day clock. The bottom display is the TIMER.

Normal operation:

The ON/OFF buttons are used to power the relay output for x-ray viewer and task light.

Press the SELECT button to select between TIMER1 and TIMER2.

Press the START button to start the time countdown.

At the end of countdown, the peep will sound for 5 seconds. The display will remain at 0:00 until the RESET button is pressed. Then, the TIME display is reset to the saved time.

While the timer is counting down, the display can be paused by pressing the RESET button once, then reset by pressing the RESET button again.

Setup:

When setting the Time-of-Day, the SELECT button is used to toggle between the HOURS or MINUTES digits of the TOD display. When setting the TIMER, the SELECT button is used to toggle between the MINUTES or SECONDS digits of the TIMER display.

To set the Time-of-Day clock display:

Press and hold the CLOCK button for 3 seconds. The peep will beep and the TIMER display will be OFF.

The lower decimal point of the colon is on to show that the HOURS digits are selected.

Use the UP or DOWN button to change the HOURS.

Press the SELECT button. The upper decimal point of the colon is on to show that the MINUTES digits are selected.

Use the UP or DOWN buttons to change the MINUTES.

Press the CLOCK button to save the Time-of-Day and return to normal operation.

Note: No button activity for 5 seconds will save and exit also.

To set the TIMER display:

Press the SELECT button to toggle between TIMER1 AND TIMER2.

Press and hold the TIMER button for 3 seconds. The peep will beep and the CLOCK display will be OFF.

The lower decimal point of the colon is on to show that the MINUTES digits are selected.

Use the UP or DOWN button to change the MINUTES.

Press the SELECT button. The upper decimal point of the colon is on to show that the SECONDS digits are selected.

Use the UP or DOWN buttons to change the SECONDS.

Press the TIMER button to save the TIME and return to normal operation.

Note: No button activity for 5 seconds will save and exit also.

Maximum TIME is 29 minutes, 59 seconds.



D-5CM X-Calibur Electrical Instructions

IMPORTANT NOTE: Approved electrical components and designs are used in the X-Calibur cabinet; however, the procedures described herein must be performed by a licensed electrician using approved methods and materials according to the local code governing the installation site.

General Electrical Notes

- Each cabinet should be wired to a **SEPARATE 15 Amp circuit** .
- Unless otherwise specified, **ALL WIRING** supplied by the contractor must be **APPROVED 12 Ga. AWG**.
- Type B equipment providing a particular degree of protection against electric shock, particularly regarding: allowable leakage current, & reliability of the protective earth connection (if present).
- Disconnect device must be provided in the branch circuit by electrician.

* You have the option of wiring the fluorescent light in this cabinet to an adjacent cabinet (D-2 unit). All lights in a treatment area can thus be activated from a single washable switch. See information below.

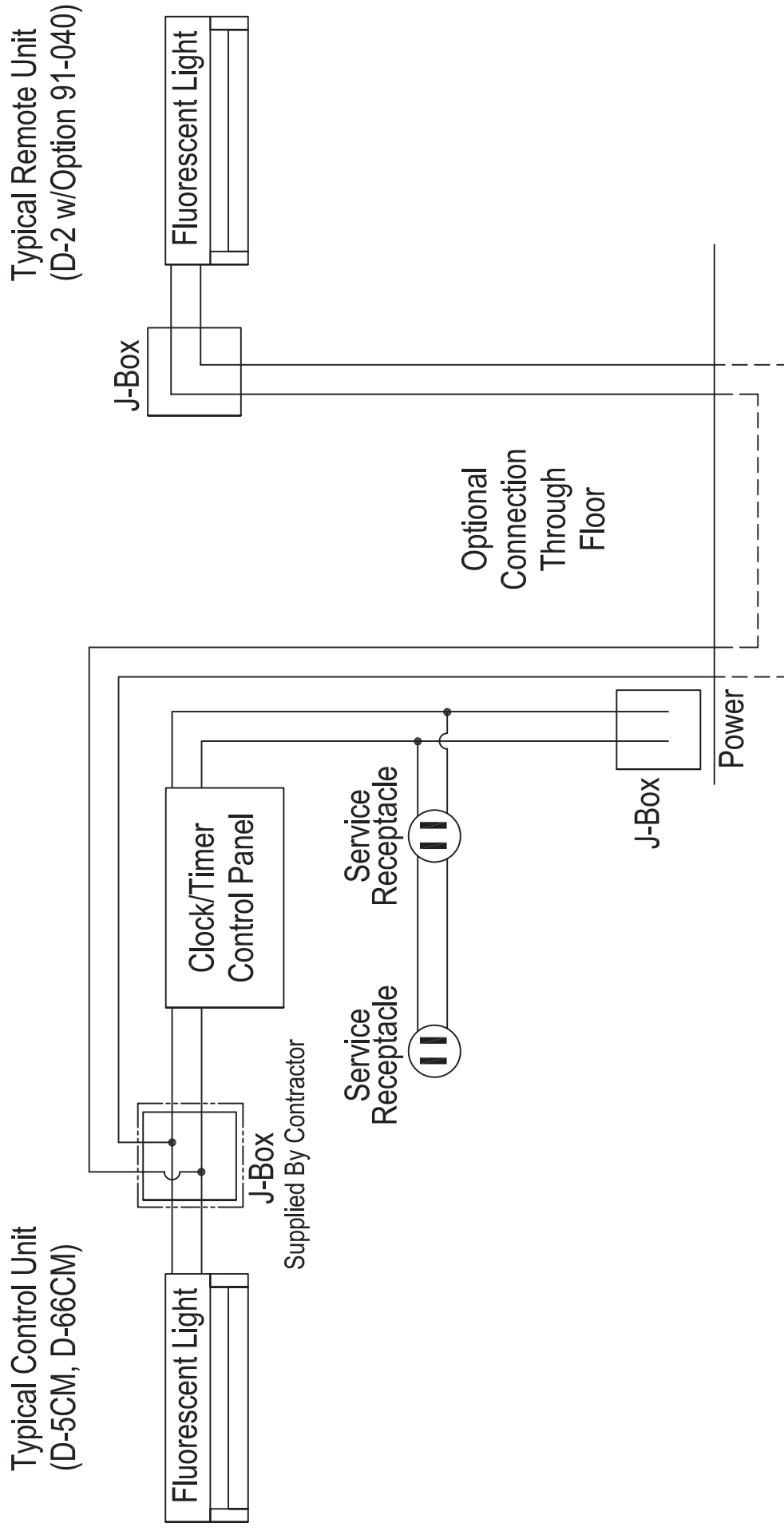
- 1) Bring flexible conduit (building wire) up to j-box (supplied by contractor) near back of the clock/timer.

Note: It is advisable that the back panel of the cabinet be removed or left open during this procedure to improve access.

- 2) Run wires from the hookup junction box to the D-2 junction box.
- 3) D-5CM fluorescent light wire to be cut and connected to lead wires using wire nuts (see wiring diagram)
- 4) D-2 fluorescent light wires to be connected to lead wiring. Close j-boxes with covers.

The remote switching system can accommodate the **FLUORESCENT FIXTURE ONLY**. **DO NOT** add any other loads to the remotely switched circuit. Approved 16ga AWG wiring may be used for the lamp feed **ONLY** if it is acceptable for this use under local code.

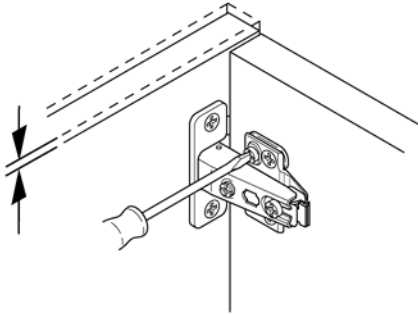
Typical Wiring for Remote Activated Lights



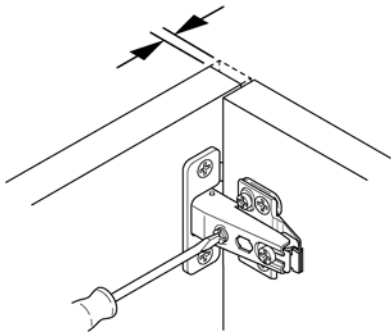
Adjustment Instructions for Concealed Hinges and Drawers

Hinge Adjustment For Standard Doors

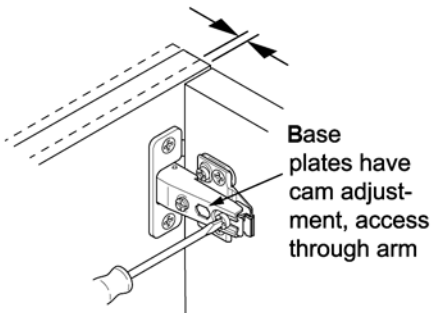
Height



Side



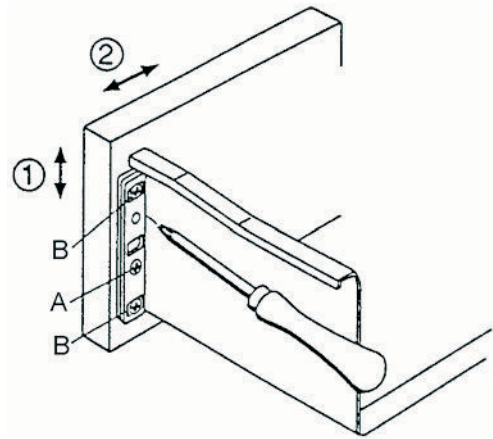
Depth



Adjustment for Drawer

1 – Height adjustment: Loosen screws **B** slightly. Adjust screw **A** (adjustment +/- 2mm). Tighten screws **B**

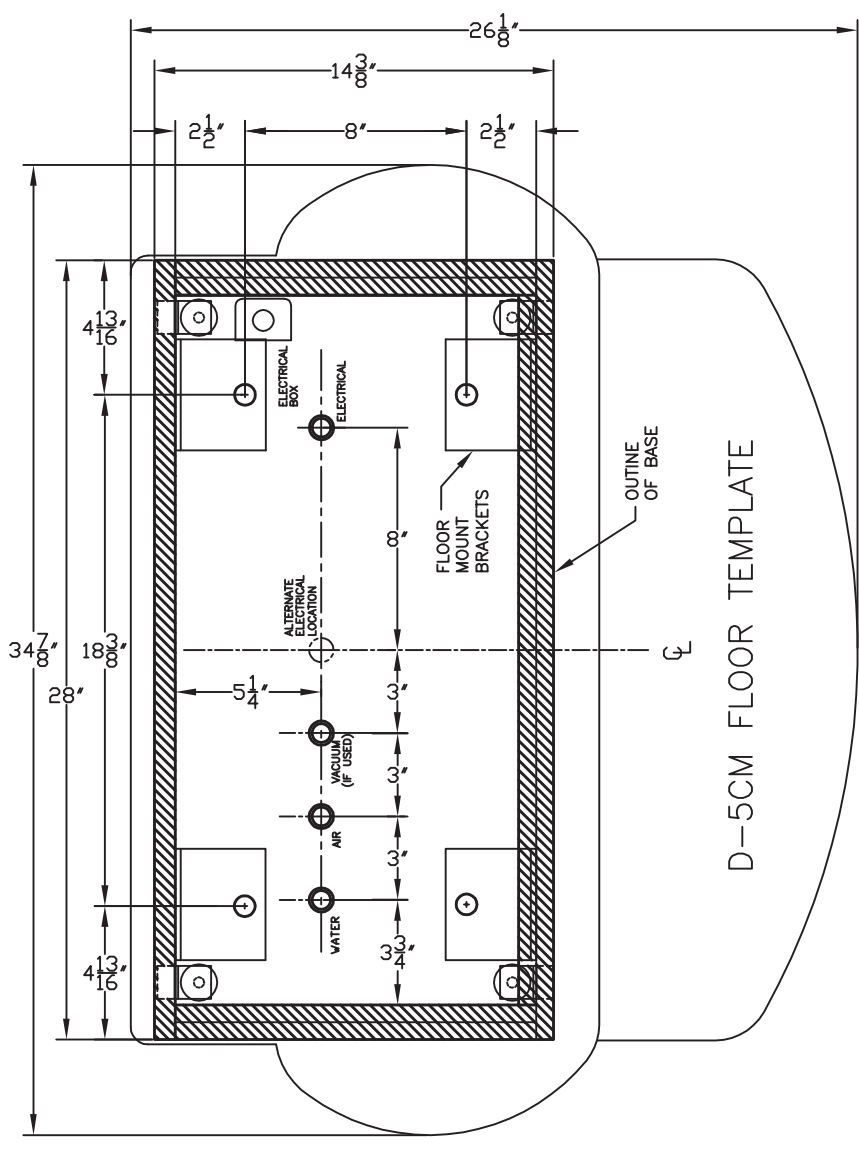
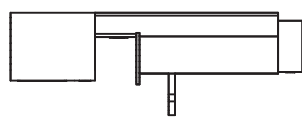
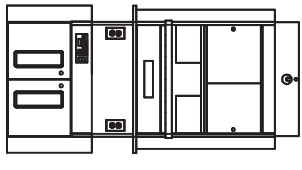
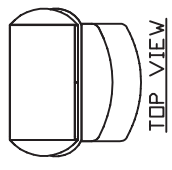
2 - Side adjustment: Loosen screws **B** slightly. Adjust front to required position (adjustment range +/- 1.5mm). Tighten screws **B**





DETAIL OF AIR, WATER, AND VACUUM STUBS
(STOP VALVES SUPPLIED WITH CABINET)

NOTE: PLAN AND ELEVATION
VIEWS ARE FOR REFERENCE
ONLY. SEE INSTALLATION
MANUAL FOR DETAILED
INFORMATION.



NOTE: IF A NITROUS ANALGESIA SYSTEM IS TO BE INSTALLED, LOCATE THE PIPING IN THE AREA INDICATED. BECAUSE OF THE DIFFERENCES IN SYSTEM HARDWARE, EXACT LOCATIONS MUST BE DETERMINED BY INSTALLER.

IMPORTANT NOTE:
PLUMBING LOCATIONS SHOWN ARE TYPICAL FOR THE SYSTEM. PLUMBING HARDWARE IS NOT SUPPLIED WITH THE CABINETRY. IT IS NOT REQUIRED UNLESS A DELIVERY SYSTEM IS BEING INSTALLED. WE RECOMMEND YOU REVIEW THE TEMPLATE SUPPLIED BY THE DELIVERY SYSTEM MANUFACTURER WHEN PLANNING THIS PLUMBING LAYOUT.

KOKEN MANUFACTURING ASSUMES NO RESPONSIBILITY FOR MEASUREMENTS MADE BY THE INSTALLER. THE USER IS RESPONSIBLE FOR THE CORRECT LOCATION OF ELECTRICAL SOURCES OR CORRECT MEASUREMENTS ON THIS DRAWING ARE FOR YOUR INFORMATION ONLY. LOCAL CODE REGULATIONS SHOULD BE CHECKED WITH THE ARCHITECT OR ENGINEER BEFORE WORK IS STARTED.

REV.	DATE	DESCRIPTION	BY
		KOKEN MANUFACTURING CO., INC. ST. LOUIS, MISSOURI	
TITLE D-5CM FLOOR TEMPLATE			
DRAWN SCALE 1=1		DATE 4/01/2013	DRAWING NO. P11346

Surface Cleaning

Ortho-Sys. ECO-Sys, D-Series, & E-Series

Belmont Recommends:

- *Countertop Magic*® for Laminate and Solid Surface Work Surfaces
- *Stone Clean and Polish Magic*® for Cambria Quartz Work Surfaces
- *Cabinet and Wood Magic*® for Laminate and Melamine Surfaces
- *Stainless Steel Magic*® for Stainless Steel Surfaces

Products available at Lowes®, Home Depot®, or @ www.magicamerican.com

Laminate/Melamine Surfaces

Clean surfaces with a damp cloth or sponge with a mild soap.

Stains may be removed with most non-abrasive household cleaners such as Formula 409®, Fantastik®, Glass Plus®, or Windex with Ammonia D®.

For tough stains, use a paste of baking soda and water and apply with a soft bristled brush. Although baking soda is a low abrasive, excessive scrubbing or exerting too much force may damage the decorative surface.

Many commercially available products contain substances that may damage or discolor the decorative surface. **Do not** use abrasive cleaners such as toilet bowl cleaners, hydrogen peroxide, oven cleaners, drain cleaners, metal cleaners and polishes, chlorine bleach, coffee pot cleaners, hard water stain removers, fruit and berry juice, tub and tile cleaners, or equivalent.

LG HI-MACS® Solid Surface Tops

Clean surfaces with a damp cloth or sponge with a mild soap.

Stains can easily be removed using a domestic all-purpose cleaner or for tough stains use a bleaching agent (**do not leave in contact with the work surface for more than five minutes**) and rinse with clean water.

Avoid using cleaning agents that contain acids, such as methyl chloride or acetone. Should one of these products accidentally come into contact with the material, as a precautionary measure, rinse the surface with soapy water to prevent any discoloring taking place.

For additional care/maintenance, visit: www.lghausys.com

Cambria® Quartz Work Surfaces

Clean surfaces with a damp cloth or sponge with a mild soap.

Do not use abrasive, strong alkaline, acid, free radicals, or oxidized cleaners (whether high, neutral or low pH). **Do not** use products such as bleach, oven cleaners, Comet®, Soft Scrub®, SOS®, products with pumice, batteries, paint removers, furniture strippers, or tarnish/silver cleaners. **Do not** use abrasive or harsh scrub pads. **Do not** apply sealers, penetrants or topical treatments, as such products will wear off and cause the gloss to appear dull or inconsistent.

For additional care/maintenance, visit: www.cambriausa.com