INDOOR TANNING EQUIPMENT
CARE, USE AND INSTALLATION MANUAL

MontegoBay®

Montego Bay® Premium Tanning Equipment
Model: V-56

PC Marketing
1040 Wilt Avenue, Ridgefield, NJ 07657
1-800-FAST TAN (1-800-327-8826)
pcmarketinguwe.com

Copyright, 2004 – PC Marketing, Inc. – All Rights Reserved
Version 2.0

SECTION 1 - USER SAFETY INSTRUCTIONS

USER SAFETY INSTRUCTIONS....4

FOR YOUR CUSTOMERS: HOW TO USE THE UNIT....4

TANNING PROCESS EXPLAINED....5

SKIN TYPES....5

RECOMMENDED EXPOSURE SCHEDULE *....6

EXPOSURE WARNINGS....7

SECTION 2 - INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS FOR THE MB V-56....8

TECHNICAL DATA AND DIMENSIONS*....9

SECTION 3 - T-MAX 004 TIMER INSTALLATION AND USER'S GUIDE

1 OVERVIEW....10

2 CONFIGURATION....10

2.1 Connecting To The Tanning Bed and Applying Power....10
2.2 Setting Parameters....10
2.2.1 Setting the Address....11
T-Max Parameter Settings....12
2.2.2 Setting Delay time....13

3 IN-ROOM SINGLE BED CONTROL....13

3.1 Starting A Session....13
3.3 Canceling A Session....13

4 REMOTE SINGLE BED CONTROL....13

4.1 Wiring....13
4.2 Configuration....14
4.3 Session Control....14

5 USING THE T-MAX® 004 TIMER WITH A T-MAX® MANAGER OR T-MAX® MANAGER/PLUS....14

6 OTHER FEATURES....15

6.1 Clean Room....15
6.2 Lamp Hours....15
6.3 High Pressure (Single Side) Beds....15
6.4 Maximum Times....15
6.5 TPI (Third Party Input) Mode....15
6.5.1 Connecting the TPI Input....15
6.5.2 Connecting the TPI Output....16
6.5.3 Operation....16
6.6 Cool Down Mode....16
7. Figure B – T-Max® 004 Power Board....17
7.1 Figure C - Connecting the T-Max® 004 Timer to a Remote T-Max® 3A....18
7.2 Figure D - Connecting the T-Max® 004 Timer to A T-Max® Series....19

SECTION 4 - MAINTENANCE AND REPAIR

REPLACING ACRYLICS 20
ACRYLIC INSTALLATION AND REMOVAL 21
RELAMPING INSTRUCTIONS 21
REPLACEMENT LAMP TYPES 21
LIGHTING THE LAMPS 21
REPLACING THE LAMPS 22

SECTION 5 - GENERAL SERVICE GUIDE

GENERAL SERVICE GUIDE… 23
A. WHAT YOU CAN DO WITHOUT A TECHNICAN… 23
B. WHEN IT'S TIME TO ASK FOR HELP… 24
C. GENUINE, FACTORY-AUTHORIZED REPLACEMENT PARTS 25
D. ELECTRICAL SCHEMATICS ..... STARTING PAGE 26

Section 1
User Safety Instructions

Always wear protective eyewear.
Failure to do so may result in severe burns or long-term injury to the eyes.

Local safety regulations and ALL safety instructions must be complied with before the unit is placed in operation

DANGER - ULTRAVIOLET RADIATION
Follow instructions. Avoid overexposure.

1. As with natural sunlight, overexposure can cause eye and skin injuries and allergic reactions.
2. Repeated exposure may cause premature aging of the skin and skin cancer.
3. Consult a physician before using sun lamps if you are using medication, or have a history of skin problems, or believe yourself especially sensitive to sunlight.
4. If you do not tan in the sun, you are unlikely to tan from the use of this product.

SAFETY INSTRUCTIONS

1. **Ultraviolet lighting is very intense. DO NOT look at the tanning lamps.**
2. **While tanning, close your eyes and always use the protective eyewear that is supplied.**
3. **DO NOT tan more frequently than once every two days.**
4. **Before tanning, always remove jewelry.**

FOR YOUR CUSTOMERS: How to use the Unit

Start of Tanning
(Left and right from front of unit)

1. Observe the recommended exposure chart.
2. Do not exceed tanning time recommended for your skin type.
3. Never tan if you already have been over exposed.
4. When tanning you must use protective eyewear.
5. Tanning session can be stopped at any time by means of the START/STOP switch on the operating panel.

TANNING PROCESS EXPLAINED

1. Melanin, the brownish pigment produced by special cells in the base layers of the skin, determines an individual's ability to tan.
2. As the skin is exposed to ultraviolet rays, this melanin is activated and combines with protein cells rising to the skin's surface, to produce a tan.
3. The amount of melanin in the body determines how quickly and darkly an individual can tan.
4. The tan produced by this unit is a deep, rich "cosmetic" tan.
5. ***No amount of tanning in this unit will provide adequate protection against overexposure to natural sunlight or UVB tanning systems.***

TANNING TIPS

1. No two individual skin tones are the same. A tan to one person may be different to another, and session length may vary.
2. Skin moisturizers designed for indoor tanning needs should be applied following every tanning session. *This promotes a smoother, more even looking tan.*
3. Facial make-ups with oil bases should be removed prior to each tanning session.
4. Creams, lotions, and oils designed for use outdoors contain sunscreens which form a physical barrier on the skin, keeping the UVA & UVB rays from penetrating. They thus inhibit the tanning process.
5. Only lotions, creams, and oils designed for use with indoor tanning equipment should be used with this unit

Failure to comply with recommendations and warnings stated above may void the manufacturer's warranty.

SKIN TYPES

SKIN TYPE II - This is the individual that usually burns easily and severely, tans minimally, or lightly, and peels.

SKIN TYPE III - Often referred to as "average" complexion, burns moderately but does tan.

SKIN TYPE IV - This individual burns minimally, tans easily and more than average with each exposure.

SKIN TYPE V - This individual rarely burns; tans easily.

*RECOMMENDED EXPOSURE SCHEDULE **

Skin Type	**Week 1** Sessions 1-3	**Week 2** Sessions 4-6	**Week 3** Sessions 7-10	**Week 4** Sessions 11-15	**Weekly** Subsequent Sessions
II--Fair	2	3	5	9	9
III--Average	2	4	6	9	9
IV--Brown	4	6	8	9	9
V--Dark Brown	4	6	8	9	9

*Our RECOMMENDED EXPOSURE SCHEDULE is enclosed with every unit we sell.

1. Tanning can begin on a regular basis.

2. An appearance of tanning normally occurs after a few exposures and maximizes after four (4) weeks of exposure following the recommended exposure schedule for your skin type.

3. For maintenance of a tan, a maximum of two (2) weekly sessions is recommended, based on your skin type, from the fifth week onward.

EXPOSURE WARNINGS

Photosensitivity
If you have been diagnosed by a physician as being allergic to the sun or are currently taking photosensitive medications, consult your physician before using any tanning equipment.

Drug-enhanced photosensitivity
Certain drugs, particularly those that enhance photosensitivity - may cause individuals under their influence to experience adverse effects. *Such individuals must avoid exposure to UV sources of all kinds*. *Doctors will advise persons taking these drugs of possible adverse effects.*

PROTECT YOUR VISION!

1. Tanning systems are designed for use by only one person at a time.
2. *ALWAYS USE PROTECTIVE EYEWEAR WHEN TANNING.*
3. Protective eyewear is provided with each unit sold.
4. Call PC Marketing or your authorized PC Marketing distributor for recommended eyewear.

Heat Rash

1. This redness is often accompanied by an itching sensation, and is nothing more then a heat “rash” caused by heat from the lamps within the system.
2. Occasionally, persons using the tanning system will experience a slight reddening of the skin - usually in small patches - after the second or third session
3. Heat rashes are generally very limited and caused by constant contact of the skin with the acrylic surface.
4. Heat rashes should fade within approximately 24 hours and should not reappear.

This rash can be lessened or prevented by applying moisturizing lotion to the affected area after the tanning session is complete.

WARNING: PREGNANCY

While there is no immediate clinical evidence regarding UVA and UVB exposure and its effects upon expectant mothers, pregnant women should be strongly advised against, and discouraged from, using tanning equipment.

Section 2
Installation Instructions For The Montego Bay V-56

Do not run unit until completely assembled, including ceiling fan

Installation Instructions for MB V-56
--At least two persons required.

Technical Data and Dimensions*

Designation	V-56 Booth
Operating Voltage	220VAC Single Phase 100 AMP 220 VAC Three Phase 40 AMP
Power Pack Height	4'
Power Pack Width	2' 2"
Power Pack Depth	1' 6"
Power Pack v2 Height	2' 7"
Power Pack v2 Width	2' 2"
Power Pack v2 Depth	1' 10"
Weight	950 Lbs.
Height (overall / inside)	94" / 80"
Width (overall / inside)	45" / 35"
Depth (overall / inside)	37-1/2" / 27-1/2"

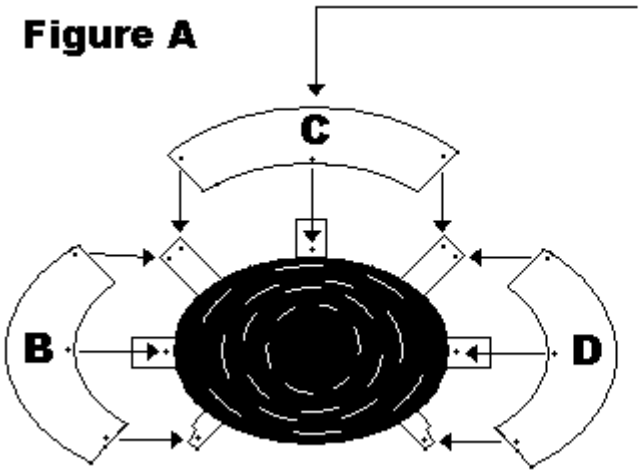
*We reserve the right to make technical changes.

Do not attempt to assemble with power hooked to electrical cabinet.
THIS WILL RESULT IN BODILY INJURY.

1- Locate Spider frame; set on floor in location of permanent operation. Important adjust all leveling legs to maintain 4 inch clearance to the top of frame. Using a 3-4 foot level continue to adjust for proper leveling this must be performed to insure stabilization of the booth structure.
2- Locate the floor assembly with attached skirting; place over the spider frame by matching the skirt cutouts to the frame.
3- Refer to figure A down below for correct installation!
4- Locate module C; install the module to the spider frame with the 5/16 threaded bolts passing through the spider frame and install the 5/16 self locking nuts onto the three bolts.
5- Locate module B; Repeat same as in step three ; after installation of module B locate the vertical assembly alignment holes 4" from the top of module install the ¼ inch by 1 inch bolt with washer both sides lock washer and nut.
6- Locate module D; Repeat same as in step four.
7- Locate the ceiling fan assembly ; carefully lift over the booth then insert into booth top cavity (Note the vertical assembly bolts must be installed as in step 4 before inserting the fan assembly)
8- Locate module A; also known as door assembly; install the door over the existing hinge pins top and bottom install the hinge lock pin into the top hinge; Open and close door; check for free movement and alignment. If improper alignment is indicated refer back to step one leveling of spider frame.
9- Locate the four jumper cables; install one cable to each module as indicated at control cabinet. The 90 degree end of the cable will hook to the modules.
10- Locate the terminal strip at the top of module C; complete the designated wiring for the exhaust fan assembly. Refer to module C electrical schematics.

11- Locate the RJ 232 cable as well as the touchpad ribbon cable located at the top of module C; plug into the LED card located between the ceiling and the roof .
12- Locate the door cable harness. Install with the 90 degree fitting at the top of door then the opposite end to module C top.
13- Now you are ready for installation of the exterior ABS panels; locate panels. Install the panels as indicated. Place one vertical side in place and bow the panel into the opposite side. Install vertically holding screw top and bottom of module. Remove the protective coating from the exterior of the ABS panel.
14- Have a qualified electrician install the electrical service to the electrical enclosure; Make certain of proper voltage and phase needs for operation of your new Montego Bay Tanning equipment

Figure A



Start with module C first! Align 5/16" bolts located in bottom of module C with holes located on spider frame! Then attach 5/16" self locking nuts onto the 3 bolts and tighten!
locate module B and repeat same steps as Module C. Locate module D and repeat same steps as above!

Section 3
T-Max 004 Timer Installation And User's Guide

1 OVERVIEW

A T-Max® 004 Timer is an OEM board that can in installed in a tanning bed or tanning booth. Each T-Max® 004 Timer can individually control a tanning bed, can be connected back-to-back with a T-Max® 1A or T-Max® 3A for remote front desk control or be connected with many T-Max® 004 Timers and a T-Max® Manager or T-Max® Manager/Plus to control many beds from a remote location. Operation is accomplished via front panel controls.

This manual should be used by the licensed electrician installing your T-Max® timing system. Check for compliance with local and national building codes.

2 CONFIGURATION

2.1 Connecting To The Tanning Bed and Applying Power

Connect the 220V, Lamps and Fans wires to P1 as shown in Figure B. Run the supplied modular cable between the J1 RJ22 connector on the Power Board and the RJ-22 connector on the Display board.

2.2 Setting Parameters

Note: If you are using a T-Max® Manager or T-Max® Manager/Plus and multiple T-Max® 004 Timers, remove power from the T-Max® Manager or T-Max® Manager/Plus and keep the power removed until all parameter changes are complete.

1) Press and hold the Start/Stop and the Up buttons simultaneously on the T-Max® 004 Timer. As soon as you see a ".1" on the display, release the buttons. This should take about 5-6 seconds.

   This is an indication that you are in the parameter mode. The numbers currently displayed represents the parameter number that you can observe or change.

2) Press the Up and Down Buttons until the parameter number that you want to observe or change is displayed.

3) Press the Start/Stop Button. The current value for that parameter will be displayed and flashing. The T-Max® 004 Timer will show a number with a period illuminated in the lower center of the display. The flashing number shown is the current value for that parameter.

   For Lamp, Session Counts, etc. the value displayed can be as high as 9999. To display this value, the T-Max® 004 Timer will flash two numbers-three times, then two numbers-three times, pause, two numbers-three times, two numbers-three times, pause, etc. For example, if you are checking lamp hours (Parameter 6) and the display flashes the numbers 53 three times, then 14 three times, pauses then repeats, then the total lamp hours stored in that T-Max® 004 Timer is 5314.

4) Press the Up and Down buttons to change the parameter to the desired value.

   If you want to clear the value for that parameter, press the Up and Down buttons at the same time until the display shows 0.0.

5) Press the Start/Stop Button.

   The display will show the parameter number you just changed and a solid period in the lower center of the display. You may now change another parameter by pressing the Up and Down buttons until the parameter that you want to change is displayed. Repeat Steps 2-4 for each parameter you want to change.

6) To exit the Parameter mode and make the T-Max® 004 Timer available for the next session, press and hold the both up and down buttons until the display shows a 0 with no periods displayed.

2.2.1 Setting the Address

Note: If you are using the T-Max® 004 Timer as an independent timer, you don't need to set the address on the T-Max® 004 Timer.

1) Press and hold the Start/Stop and Up buttons simultaneously on the T-Max® 004 Timer until a .1 appears on the display. Release the buttons. This should take about 5-6 seconds.
2) Press and release the Start/Stop button. A number will appear on the display and be flashing. A period will be illuminated in the center of the display.

   Pressing and holding the Up button will cause the display to count up. Once the counter/display reaches 100, the center period will flash rapidly. This is an indication that you are over 99. For example, if the display shows a 0.2 with the period flashing, this is address 102. The highest the display will read 254.
3) Press the Up and Down buttons until the desired address is displayed. When setting the address, remember 3 rules:

   A) Set each T-Max® 004 Timer to a unique address. B) Do not set any address to 0. C) Do not set any address over 100.
4) Press the Start/Stop button. The ".1" will appear on the display. The 1 will not be flashing.
5) To exit, press and hold both the Up and Down buttons until the display shows a 0 with no periods displayed.

Table 1 - Parameter numbers for observing and changing parameters.

Param. #	Description	Max #	Default	Notes
Salon Level				
1	Address	255	254	Address of T-Max®3A/F/I
2	Beep Mode	1	0	Used for High Power beds. 0=Alarm only, 1=Alarm and Flip
3	Delay Time	5	0	Delay in minutes stored in the T-Max®3A/F/I.
4	Current Sense	1	0	For the T-Max® Sentry™ Option. 0=Disabled, 1=Enabled.
5	Session Counts	65535	0	Total session counts for T-Max®3A/F/Is.
6	Lamp Hours	65535	0	Bulb hours for each bed.
7	Bed Hours	65535	0	Number of hours a bed is on.
8	Manual Session Counts	65535	0	Counts the number of sessions the T-Max®3A/F/I has run while in Stand Alone Mode
9	Clean Room	1	1	0 = Clean Room Disabled, 1 = Enabled
10*	Manual Lockout	1	0	0 = Stand Alone Enabled, 1 = Disabled
13	Cool Down Mode	10	0	0 = Disabled, 1-10=Enabled. Time delay in minutes allowing bed to cool.
15	Fixed Session Counts	65535	0	Counts number of sessions ran through the T-Max®3A/F/I. This value cannot be changed at all. Used as point of reference.
17	Clean Clear	1	0	0 = Press and hold the Up button for 3-4 seconds to clear the clean room. 1 = Press and release the Up button to clear instantly
19*	Third Part Interface (TPI) Mode.	1	0	When set to a 1, voltage must be applied be an outside source to the TPI input on the back of the T-Max® 004 Timer. Used is the timer is being controlled by either a FST® or Database® Series Timer. See Section 6.5 for JP1 settings.
20	External Speaker	1	0	0 = Speaker on T-Max®3A/F/I, 1 = External Speaker will be used.
21	Pause Mode	1	0	0 = When session is paused, session time continues to count down. 1 = When session is paused, session time stops counting down.
22	Auto Shut Off	1	0	0 = When intercom is active, the bed will stay on. 1 = When intercom is active, bed will turn off and go to pause mode
Manufacture's Level				
35	After Lamp Fan Delay	255	3	Time in seconds that the fans in the bed will delay coming on after the lamps have turned on. 0=disabled.
51	Fractional Lamp Hours	59	0	Minute counts used by lamp hour counter.
52	Fractional Bed Hours	59	0	Minute counts used by bed hour counter.
53	Session Limit.	65535	9999	9999=disabled. Used in conjunction with parameter 55 for profit sharing. Once this parameter's limit is set, when parameter 55's value exceeds this parameter setting by 1, the bed will be disabled and an L4 will appear on the display.
54	Hour Limit.	65535	9999	9999=disabled. Used in conjunction with parameter 61 for profit sharing. Once this parameter's limit is set, when parameter 61's value exceeds this parameter setting by 1, the bed will be disabled and an L4 will appear on the display.
55	Secrete Session Counts.	0	0	Used in conjunction with parameter 53 for profit sharing. Once parameter 53's limit is set, when this parameter value exceeds parameter 49 setting by 1, the bed will be disabled and an L4 will appear on the display.
61	Secrete Hour Counts.	0	0	Used in conjunction with parameter 54 for profit sharing. Once parameter 54's limit is set, when this parameter value exceeds parameter 49 setting by 1, the bed will be disabled and an L4 will appear on the display.

* In this mode, the T-Max® 004 Timer cannot operate as a stand-alone timer.

2.2.2 Setting Delay time.

If the T-Max® 004 Timer is being controlled by a T-Max® 1A, T-Max® 3A, T-Max® Manager or T-Max® Manager/Plus, the delay does not need to be set on the T-Max® 004 Timer. The controlling device controls the delay.

1) Press and hold the Start/Stop and Up buttons simultaneously on the T-Max® 004 Timer until a ".1" appears on the display. Release the buttons. This should take about 5-6 seconds.
2) Press the Up and Down Button until a ".3" is displayed (Parameter 3 ids for delay. See Table 1).
3) Press and release the Start/Stop button.

   A number will appear on the display and be flashing. A period will be illuminated in the center of the display. This is the current delay time.
4) Press the Up and Down Button until the desired delay time is displayed.

   The highest delay time that can be set on the T-Max® 004 Timer is 10 minutes. If you want no delay time, set the display to 0. If you set the Delay Time to 0, the session time will start immediately after the Start/Stop button is pressed.
5) Press the Start/Stop button. The ".3" will appear on the display. The 3 will not be flashing.
6) To exit, press and hold both the Up and Down buttons until the display shows a "0" with no periods displayed.

3 IN-ROOM SINGLE BED CONTROL

3.1 Starting A Session

1) Press the Up and Down Button on the T-Max® 004 Timer until the desired session time is displayed. If the display shows a 0 and you want to count down from the maximum time press the down button.
2) Press and release the Start/Stop button to start the session.

   If a delay other than 0 is entered the delay will count down. A period on the lower right corner of the display will flash rapidly. When the session starts the period will flash at a once per second rate. If the delay is set to 0 the session will start immediately.

3.2 Pausing A Session

Press the Start/Stop button to pause the session. The flashing period on the lower right corner of the display will stop flashing and stay illuminated. To restart the session, press the Start/Stop button on the T-Max® 004 Timer. The period on the lower right corner of the display will resume flashing.

Note: The session time will continue to count down. The display will continue to update and reflect the remaining session time.

3.3 Canceling A Session.

Press the Start/Stop button to pause the session, then press the Up button. This will cancel the session. The display will show a solitary 0.

4 REMOTE SINGLE BED CONTROL

Remote Single Bed Control is the ability to control a single tanning bed from a remote location. A T-Max® 1A or T-Max 3A is required at the remote location for this configuration.

4.1 Wiring

Wire the T-Max® 004 Timer to the tanning bed as described in Section 2.1. Apply power to the T-Max® 3A as described in their respective User's Guides.

Run the provided modular cable from the tanning room to the remote T-Max® 3A or T-Max® 1A. Connect the modular cable to one of the RJ-22 ports on the T-Max® 004 Timer and T-Max® 1A or T-Max 3A (it does not matter which port the cable is connected to).

4.2 Configuration

Set the address on the T-Max® 004 Timer in the tanning room to 1as described in Section 2.2.2. Set the address on the T-Max® 3A to 0.0 as described in the T-Max® 3A user's guide. For setting the delay refer to the T-Max® 3A User's guide.

Note: When setting the address on the T-Max® 004 Timer in the tanning room, the power to the front desk T-Max® 1A or 3A must be off.

4.3 Session Control

Starting a session

1) Press the Up and Down Button on the T-Max®3A or the Set button on the T-Max® 1A at the front desk until the session time is displayed. Time cannot be set from the T-Max® 004 Timer in the room.

2) Press the Start/Stop button on the front desk T-Max®1A or T-Max® 3A to start the session.

   If a delay other than 0 is set, the delay will count down. A period on the lower right corner of the display will flash rapidly. When the session starts, the period will flash at once per second rate. If a 0 delay entered, the session will start immediately.

Pausing During the Session

To pause the session, press the Start/Stop button on the T-Max® 004 Timer in the tanning room. The flashing period on the lower right corner of the display will stop flashing and stay illuminated. To restart the session, press the Start/Stop button on the T-Max® 004 Timer in the tanning room. The period will continue flashing.

Note: The session time will continue to count down. The display will continue to update and reflect the remaining session time.

Canceling a Session

To cancel a session, press both the Start/Stop and Up button on the T-Max® 3A at the front desk simultaneously. If you are using a T-Max® 1A, press the Start/Stop and Set buttons simultaneously. The session cannot be canceled from the T-Max® 004 Timer.

5 USING THE T-Max® 004 Timer WITH A T-Max® MANAGER OR T-Max® MANAGER/PLUS

If you are using T-Max® 004 Timers with a T-Max® Manager or T-Max® Manager/Plus, follow these instructions for proper operation:

1) Set the address on each T-Max® 004 Timer as described in section 2.2.1.

   Note: If this is a first time installation, go through the quick installation procedure in Section 2 of the T-Max® Manager or T-Max® Manage/Plus User's guides. This will automatically set the address on the T-Max® 004 Timers and you will not need to set the addresses manually as described in the following steps. If you need to set the address on the T-Max® 004 Timer manually, be sure to set each T-Max® 004 Timer to a different address. No T-Max® 004 Timer should be set to address 00.

2) Connect each T-Max® 004 Timer together using a modular cable that conforms to the pin outs shown on Figure D. Connect T-Max® Manager or T-Max® Manager/Plus to the closest T-Max® 004 Timer in the line (Refer to Figure D).

   Note: Delay is controlled by the T-Max® Manager, the T-Max® Manager/Plus or the software you are using if you are using a computer. It is not necessary to set the delay on the T-Max® 004 Timer. Refer to the T-Max® Manager or T-Max® Manager/Plus User's Guide for operation.

6 OTHER FEATURES

6.1 Clean Room

Once the session time has elapsed, the display will show two solid periods only. This is an indication that the room needs to be cleaned. To clear the clean room indication, press and hold the Up button on the T-Max® 004 Timer in the tanning room until the two periods disappear and a “0” appears. To disable the clean room feature, set parameter 9 to a 0. (Refer to Section 2.2)

6.2 Lamp Hours

To check and change Lamp Hours (or any other parameter), refer to Section 2.2.

6.3 High Pressure (Single Side) Beds

With this option, the T-Max® 004 Timer in the tanning room will sound an alarm half way through the tanning session. This is an indication that the person tanning needs to turn over. Refer to Section 2 on how to change parameters.

Parameter 2 enables or disables the Mid-Session Flip alarm.

0 = Beep mode Disabled

1 = Beep Mode Enabled. The T-Max® 004 Timer will beep for 10 seconds half way through the active session.

6.4 Maximum Times

Maximum times are programmed into the T-Max® 004 Timers at the factory. Setting a parameter cannot change the maximum times.

6.5 TPI (Third Party Input) Mode

If you are using a FST® or Database® Series timers, you will need to place the T-Max® 004 Timer in the TPI mode.

6.5.1 Connecting the TPI Input

1. Set Parameter 19 to a 1 (Refer to Section 2.2)
2. Connect the two actuator wires from the FST® or Database® timer to the TPI input in the back of the T-Max® 004 Timer (refer to Figure B).

   When a session is started the FST® timer will place 5V on these two wires. If you are using a Database® Series Timer, 24 volts will be applied.
3. If you are using a Database® Series timer, remove Jumper JP1. If you are using an FST® Series timer, leave this jumper on.

6.5.2 Connecting the TPI Output

FST®:

1. There are three wires coming from the FST Series Timer. Two are the actuator wires connected to the Signal input. Connect the third wire to one of the Switch terminals. Make sure J6 and J7 are on and J4 and J5 are off.
2. Run a jumper from the black Actuator wire connected to the other Switch screw terminal.

Database®:

There are 4 wires coming from the Database Series Timer. Two are the actuator wires connected to the TPI input. Connect the two other wires to the TPI relay output terminal J1. Make sure J6, J4 and J5 are off and J7 is on.

Contact Closure

If your external timer is simply a relay contact closure, make sure J4, J6 and J5 are on and J7 is off.

Important: J4, J5 and J7 should never be on at the same time!!!

6.5.3 Operation

When a session is started, voltage will be applied to the TPI input. The display on the T-Max® 004 Timer will show the maximum time and count down. When the session ends, the voltage will be removed from the TPI input and bed will turn off. Any remaining session time showing on the T-Max® 004 Timer will be canceled.

***Note*:** The T-Max® 004 Timer cannot be used as a stand alone time in the TPI mode.

If the FST® or Database® Series timers are in delay the T-Max® 004 Timer will show a 0. However, pressing the Start/Stop button on the T-Max® 004 Timer will cancel the remaining delay time and start the session. Pressing the Start/Stop button on the T-Max® 004 Timer will also clear the clean room indication on the FST® and Database® timers.

6.5.4 Cool Down Mode

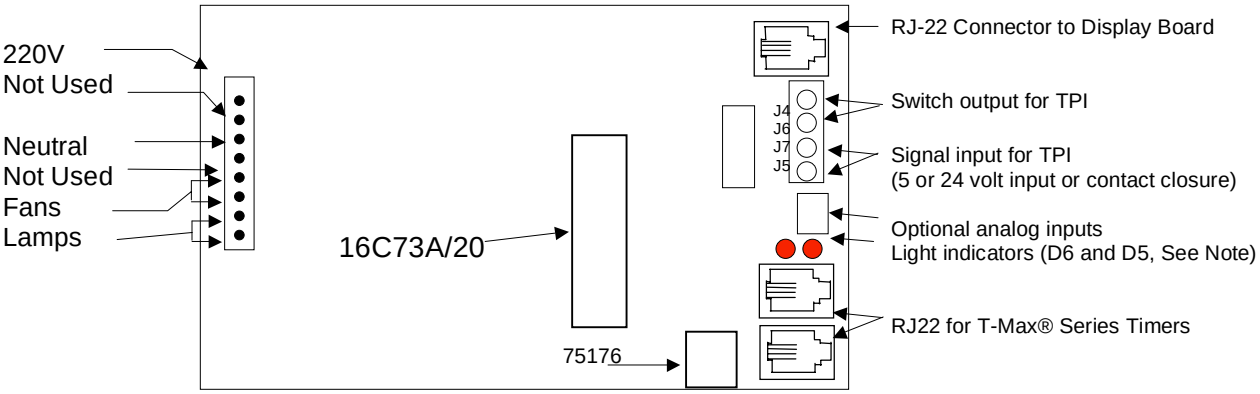
Cool down mode is the time the bed needs to cool down after a session has ended. The Factory default setting is 3 minutes.

1. Connect the wires that control the fans to the headers on the back of the T-Max® 004 Timer as described in Section 2.1.
2. Set parameter 13 to the desired cool down time as described in section 2.2.

   After a session has ended the display will show a single period in the middle of the display. The period will remain until the cool down time has elapsed. The display will then show a 0.

   Note: If both cool down time and clean room are enabled, the clean room will be displayed. If the clean room indication is cleared before the cool down time has expired, then the cool down indication will be displayed. If the cool down time has elapsed before the clean room indication has been cleared, the clean room indication will remain until it is cleared.

7 Figure B – T-Max® 004 Power Board

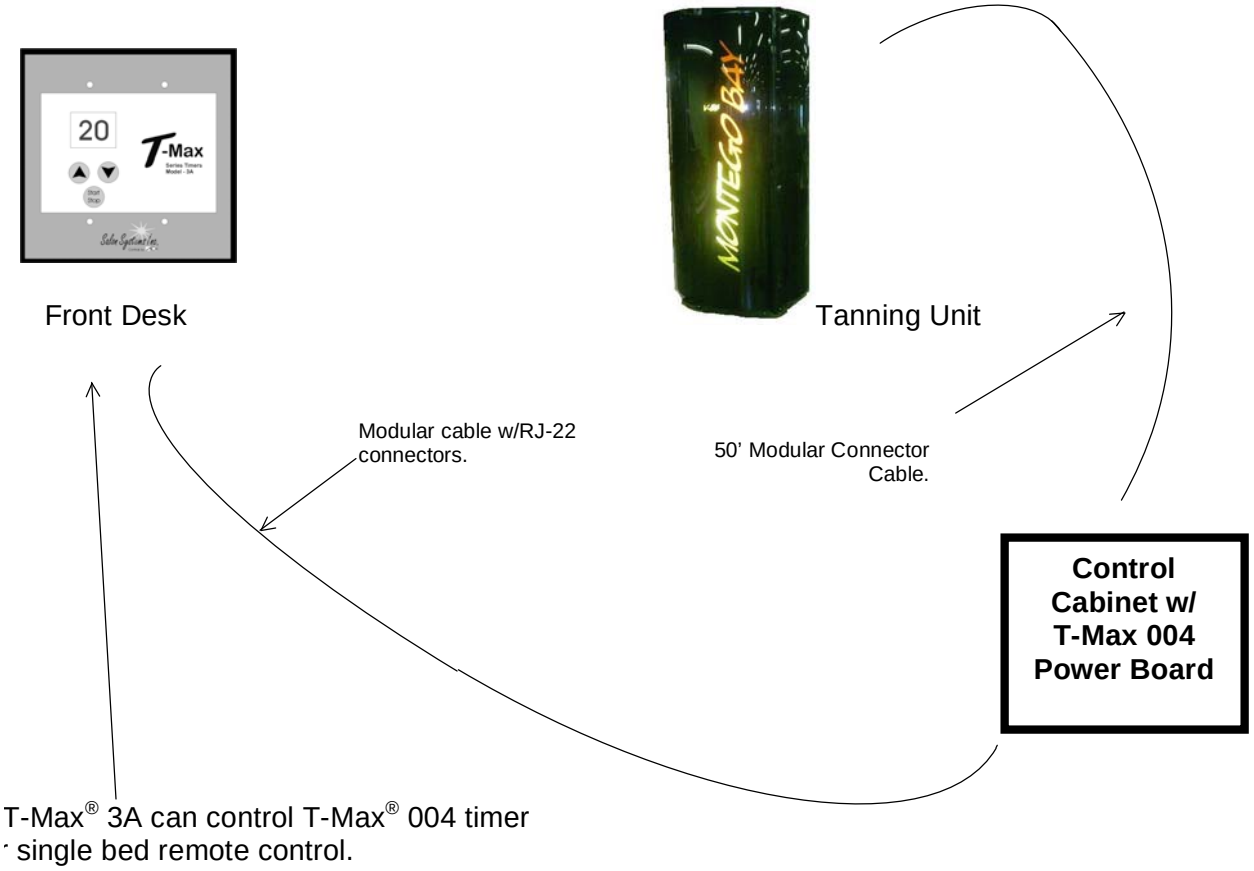


T-Max 004 Power Board

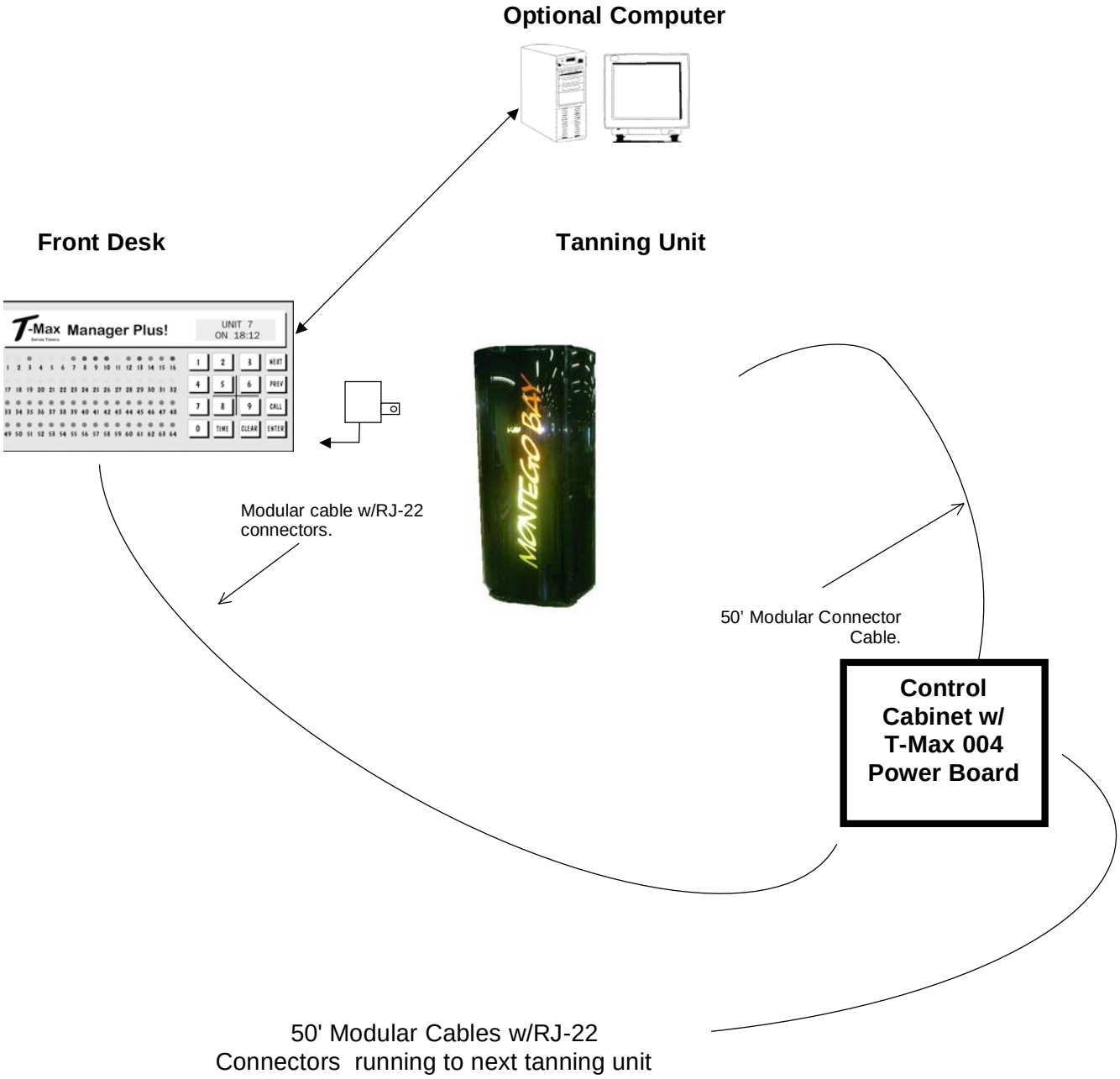
Note: **D6** – Run and communications indication. This light will flash at a once per second rate when operating in standalone mode. It will flash rapidly if communications are active (either with a T-Max® Manager or Master T-Max® 1A or 3A).

The light will stay on solid if the T-Max® 004 is in TPI mode.
D5 – Power On indication.

7.1 Figure C - Connecting the T-Max® 004 Timer to a Remote T-Max® 3A



7.2 Figure D - Connecting the T-Max® 004 Timer to A T-Max® Series



It does not matter in which order the rooms are connected. The only requirement is that there is a continuous connection from the T-Max® Manager through each room to the last room in the T-Max® Series daisy-chain.

Section 4
Maintenance and Repair of the Montego Bay V-56

MAINTENANCE AND REPAIR
ALWAYS DISCONNECT THE UNIT
FROM THE POWER SOURCE.

1. The owner / operator of this unit must make sure the unit is always operated in perfect working condition.
2. This owner/operator is also responsible for regular maintenance and checking of all technical equipment.
3. Only authorized technicians should work on this unit.
4. Avoid all working procedures that may jeopardize the safety of the unit.
5. Always obtain genuine factory authorized replacement parts from PC Marketing or your authorized PC Marketing Distributor.
6. To cool down the unit, fans continue to run for 4 minutes after shut off.
7.

REPLACING ACRYLICS

1. The acrylic sheets are produced and formulated from specially treated acrylic materials highly transparent to UV light.
2. The process of forming and molding the acrylic sheets is done in an environment with carefully controlled temperatures.
3. Finally, the acrylics are annealed, or, oven-baked, for longevity.
4. There can be no deviation from these exacting manufacturing processes.
5. Please be aware all suppliers DO NOT manufacture acrylic sheets in the appropriate manner.
6. To be sure you are receiving genuine factory authorized replacement acrylics, contact PC Marketing or your authorized PC Marketing Distributor.
7. When a replacement acrylic is delivered, it is wrapped in a protective covering on both sides.
8. Before installing in the tanning unit, remove this protective covering.

DO NOT OPERATE THE UNIT WITHOUT THE ACRYLIC SHEET, AS THE COOLING OF THE LAMPS CANNOT BE ASSURED.

ACRYLIC INSTALLATION AND REMOVAL

1. Remove four screws from cover hinge bracket. This will release the cover hinge to allow access to swing the hinge acrylic open.
2. The front edge of acrylic should now be exposed.
3. With both hands on front edge of acrylic, swing acrylic out.
4. Reverse steps for installation.

RELAMPING INSTRUCTIONS

TURN OFF THE POWER TO THE UNIT BEFORE CHANGING LAMPS.

REPLACEMENT LAMP TYPES

MB V-56 Booth Lamps: Cosmedico VHR 9K90 2.0M

CAUTION: REPLACE ONLY WITH ORIGINAL LAMPS OR FDA APPROVED EQUIVALENT

MB V-56 Booth Lamps: Cosmedico VHR 9K90 2.0M

2. To obtain replacement tanning lamps, please contact PC Marketing or your authorized PC Marketing distributor for up-to-the-minute, FDA approved lamp compatibility data.
3. No liability can be accepted if replacements other then authorized lamps and starters are installed.
4. In accordance with previous description **(p. 21),** remove the acrylic sheet,
5. Turn lamp one quarter (1/4) of a turn to align pins with lamp holder, and then disengage the lamp from the stationary lamp holder.
1. Remove lamp.
2. Replace by inserting end of lamp into vertical slots in lamp holder at end of unit.
3. Turn lamp one quarter (1/4) turn to tighten lamp in lamp holder socket.
4. This allows other end of lamp to properly fit into stationary lamp holder.

LIGHTING THE LAMPS

ALWAYS USE EYE PROTECTION WHEN LIGHTING THE LAMPS.

1. Initially, the lamps have slight color differences.
2. This phenomenon disappears after a short time.
3. The lamps shine less brightly at the ends. This is part of the lighting process and is not a defect.

REPLACING THE LAMPS

1. The output of the lamps gradually decreases over time, though this effect cannot be visually detected.
2. To assure optimum tanning performance for your equipment (and, thus, your optimum profitability!), PC Marketing recommends replacing your lamps after approximately 800 hours of operation.
3. Always use eye protection when replacing the lamps

Section 5
General Service Guide

1. The following service information is divided into two sections. Section A contains items which the owner may check without the aid of a service technician.
2. Section B contains items that should only be performed by qualified service technicians. Call PC Marketing or your PC Marketing distributor for questions other than the ones listed in this service guide.
3. *(Note: All units are not the same; therefore some situations may not apply to your unit.)*

A.

KEEPING THINGS RUNNING SMOOTHLY, OR,
WHAT YOU CAN DO WITHOUT A TECHNICIAN.

Situation	Solution
1.Tanning unit does not operate	
a. No power to unit	**a. Check circuit breaker servicing unit.**
b. Timer will not start unit	**b. Check timer instructions, p.17**
2. Lamps will not light	
a. Lamps not properly seated	**a. Remove, inspect contact ends on lamps, reinstall securely into lamp holders**
b. Faulty lamps	**b. Replace, keeping in mind that bad lamps can hinder lighting of adjacent lamps.**
3. Unit is running hot	
a. room too small, or improper space and ventilation	**a. Provide sufficient ventilation**
b. incorrect incoming power	**See "B" next page.**
4. Tanning unit is not tanning	
a. Acrylic is dirty	**a. Clean both sides of both acrylics**
b. Lamps and reflectors are dirty	**b. Remove lamps, wipe with damp cloth, dry. Also clean reflectors. Use alcohol or alcohol-based cleaner only.**
c. Effective lamp life near ending	**c. Replace all lamps with new lamps (see lamps list, p. 25)**
d. Effective acrylic life near end.	**d. Replace with new acrylics (see parts list, p.25)**
5. Acrylic is fogging up	**a. If caused by dampness, dehumidifier may be needed.**
	b. Or, customers might be using improper lotions.
6. My acrylics have cracked. Why?	**a. Check exhaust fan is running and has no obstruction to block air flow.**
	b. Be sure you use quality, heat-tempered replacement acrylics. (see parts list, p.25)

B.

WHEN IT'S TIME TO ASK FOR HELP…

1. All services in the following section are to be performed by a qualified service technician.
2. This section is to aid in isolating and correcting any problems that may occur.
3. This section is not intended for use by the equipment owner.
4. Refer to assembly instructions included in this manual for guidance in disassembling and wiring the tanning unit.
5. DISCONNECT ALL POWER TO THE TANNING UNIT BEFORE SERVICING.
6. Use only factory authorized components for replacement parts. (See parts listing, p. 25)

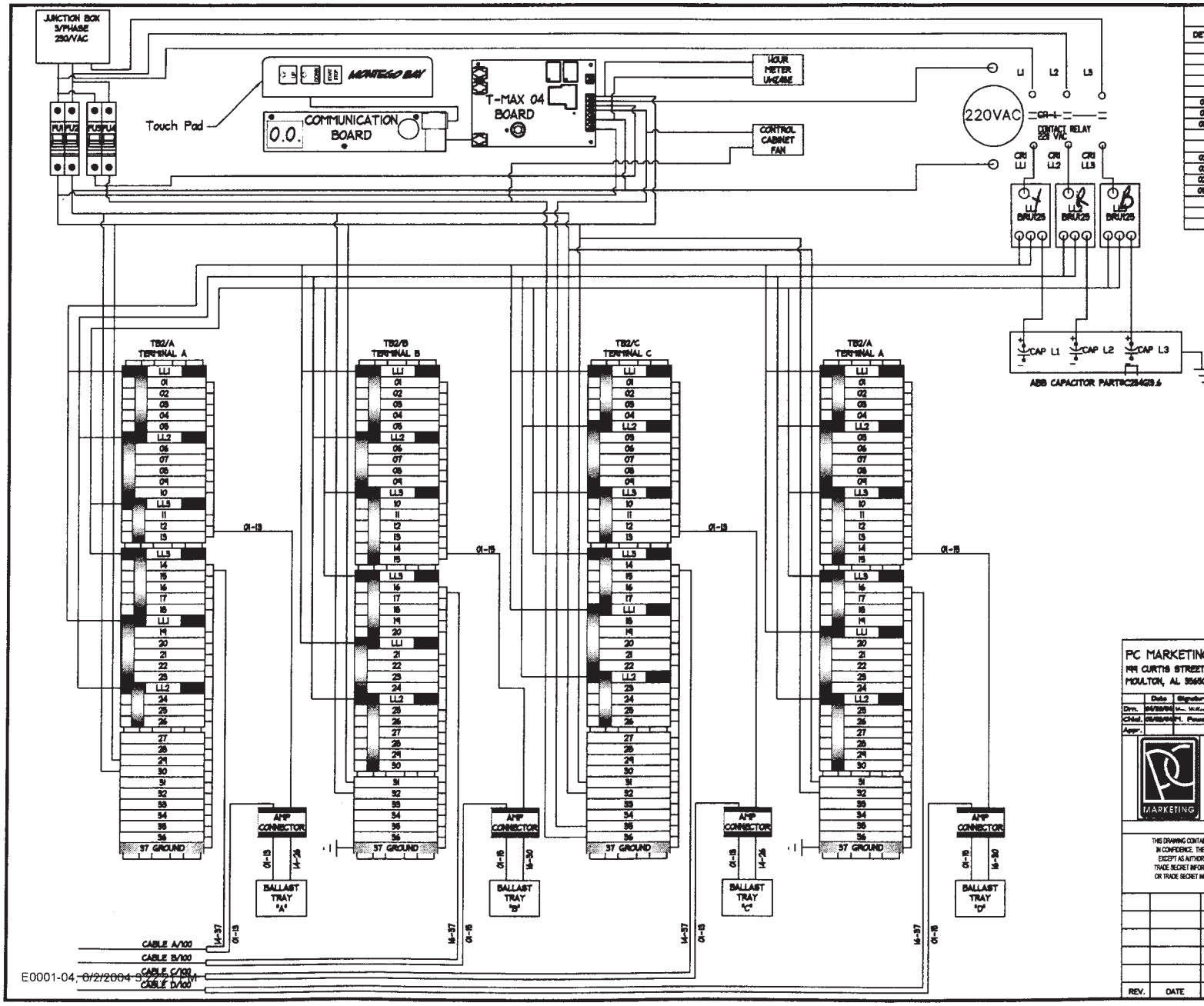
Situation	Solution
1.*Tanning unit does not operate*	
a. Incorrect incoming power	**a. Check electrical connection against wiring.**
b. Faulty breakers	**b. Replace (see parts listing p.25)**
c. Faulty contactor	**c. Replace (see parts listing p.25)**
d. Faulty timer or connections	**d. Check wiring circuit and correct as required.**
2. *Lamps will not light*	
a. Poor wire connection at lamp	**a. Check for loose wire holder**
b. Faulty or defective holder	**b. Replace (see parts listing p.25)**
c. Flag switch not engaging main blower	**c. Check flag switch in the main blower.**
3*. Tanning running hot*	
a. Incorrect incoming power	**a. Check voltage supply and correct as required**
4. *Tanning unit is not tanning*	
a. Incorrect incoming power	**a. Check voltage supply and correct as required**
5. *Lamps cannot be turned off*.	
a. Faulty Contactor	**a. Replace (see parts listing p.25)**
b. Faulty Timer	**b. Replace (must return defective parts to your distributor) (see parts listing p.25)**

Genuine, Factory-Authorized Montego Bay® Replacement Parts From PC Marketing

Parts Replacement List	
Part	***MB V/56***
Electrical--ballast	20-190
Electrical—ballast/ mood lamps	20-308
Lamp: Cosmedico 9K90 2.0 bi-pin lamp	70-062
Mood Lamps: Sylvania T8 Lamp	70-100
Reflectors	30-607(sides) 30-608 (front & back)
Contactor	20-095
Starters	20-265
Timer	20-317
Breakers	20-321
Lamp Holder- (W/O starter) Bi-pin	20-021
Lamp Holder- (W/ Starter) Bi-pin	20-022
Lamp Holder—Mood Lamps (W/ fixture)	20-312
Acrylics	80-100 (sides) 80-101 (front & back)
Exterior Panels	60-500 (door silk-screened) 60-501 (sides) 60-502 (back)
Timer Touch Pad	20-316

Call PC Marketing or your
authorized PC Marketing Distributor

C. ELECTRICAL SCHEMATICS



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
--	1	1	T-Max 004	
--	2	1	ABB Capacitor Bank	
--	3	1	220 VAC Blower Fan	
--	4	1	MCR Relay 60 Amp	
	5			
019908001	6	1	Ground Terminal	
058620411	7	1	Distribution Block	
019907720	8	6	Terminal ADO Block	
--	9	148	Terminal ADO	
--	10	01	Terminal Block Divider	
029970214	11	04	Jumper 10 position	
029969810	12	02	Jumper 6 position	
029969606	13	02	Jumper 4 position	
0199466.23	14	04	Gerouless Interconnection	
	15	04	4" 4 J-Box	
	15	04	6- Amp Double Pole Breaker	
	15	04	4" 4 J-Box	

PC MARKETING
199 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	04/30/04	[illegible]
Chkd.	05/03/04	M. Powell
Appr.		

Title: V-56 Back Plain Wiring Daigram For 3 Phase

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. V56/E0001-04 — Rev. 1

Scale NTS — Sheet 1

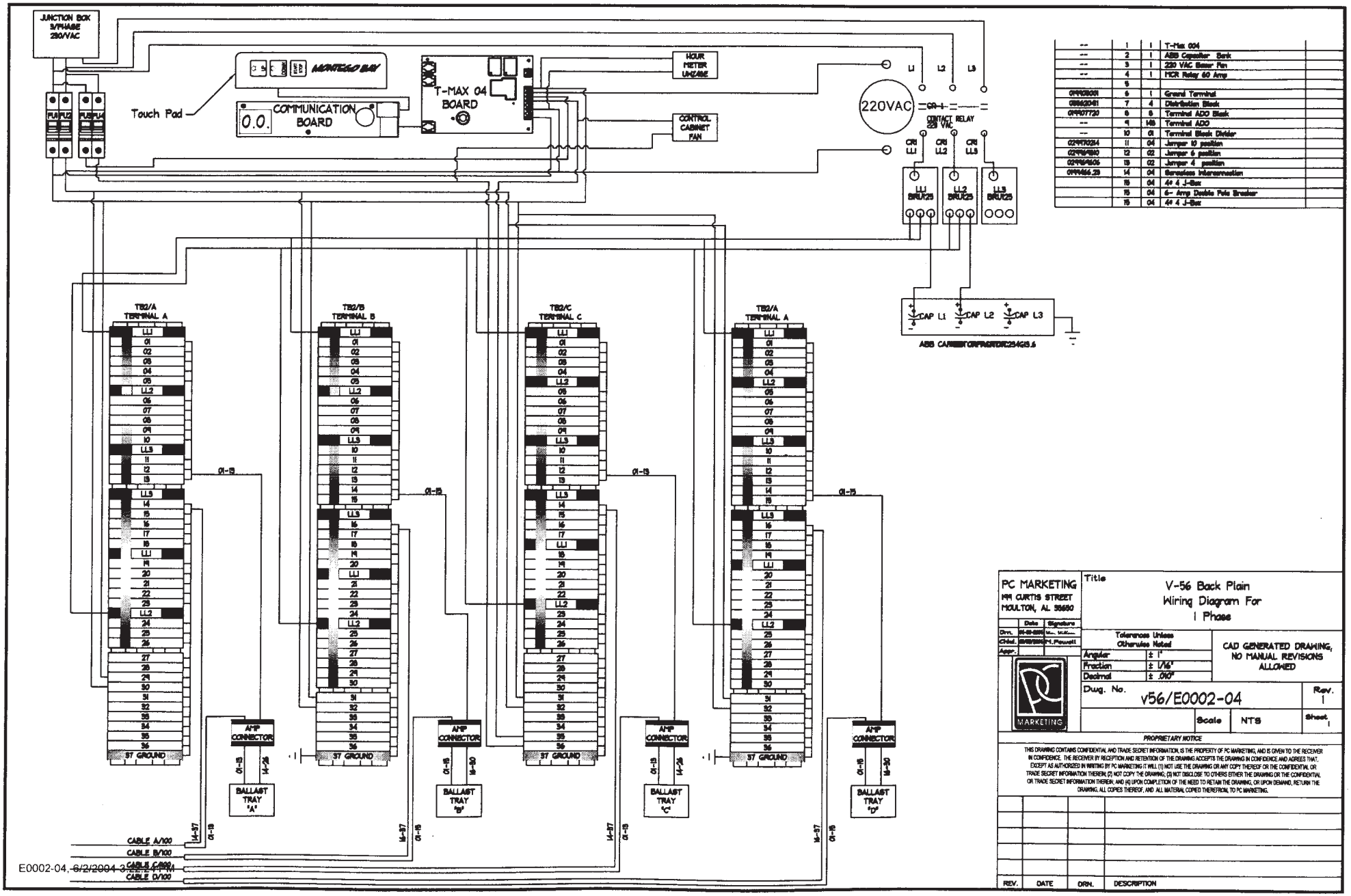
MARKETING

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION

E0001-04, 6/2/2004 3:22:27 PM



--	1	1	T-Max 004
--	2	1	ABB Capacitor Bank
--	3	1	220 VAC Blower Fan
--	4	1	MCR Relay 60 Amp
	5		
09903001	6	1	Ground Terminal
09903041	7	4	Distribution Block
09907720	8	5	Terminal ADO Block
--	9	145	Terminal ADO
--	10	01	Terminal Block Divider
02997034	11	04	Jumper 10 position
02998430	12	02	Jumper 6 position
02998606	13	02	Jumper 4 position
09996628	14	04	Serpentine Interconnection
	15	04	4" 4 J-Box
	16	04	6- Amp Double Pole Breaker
	17	04	4" 4 J-Box

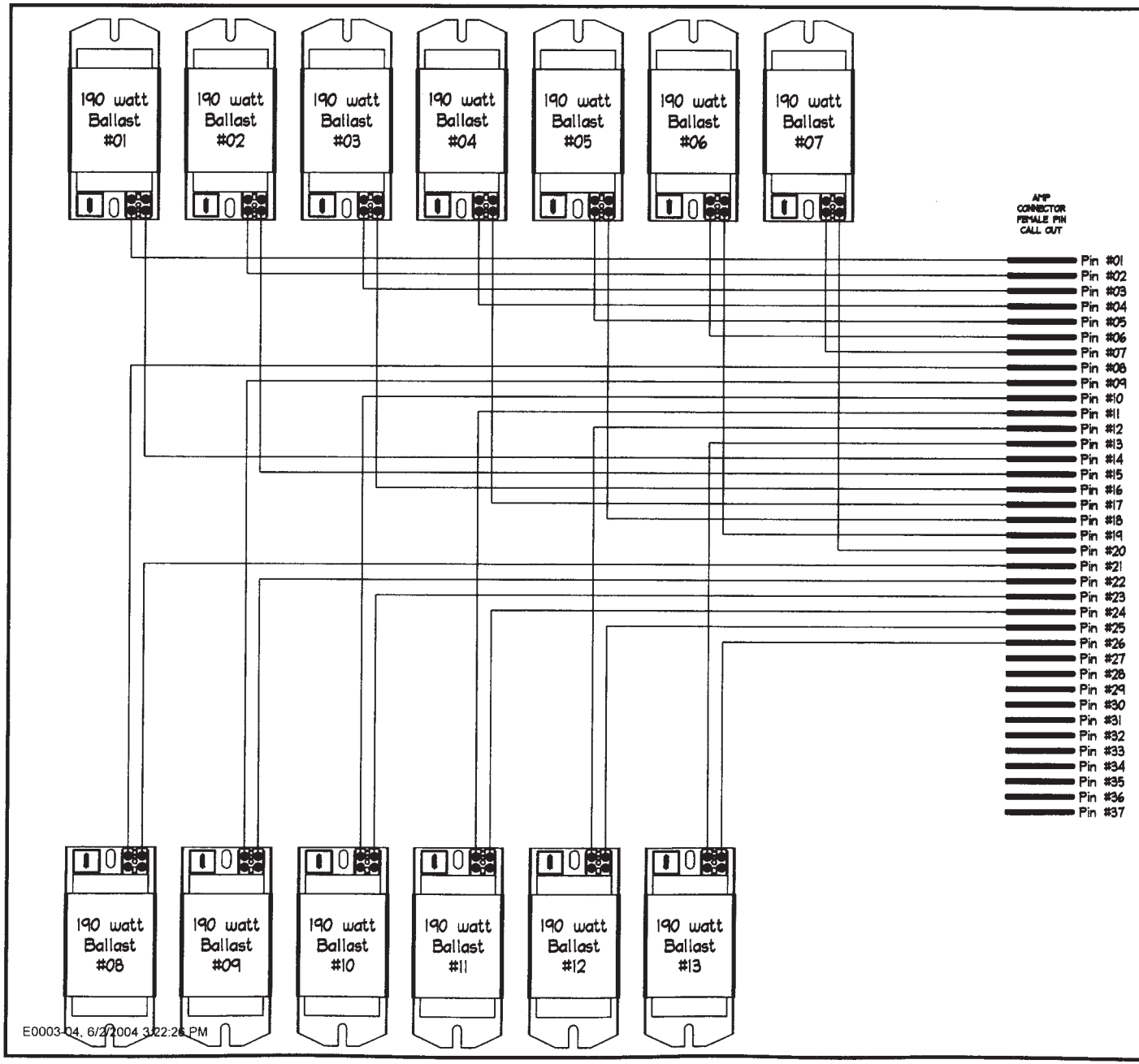
ABB CAPACITOR CAP1AC254G15.5

PC MARKETING 999 CURTIS STREET MOULTON, AL 35650	Title: V-56 Back Plain Wiring Diagram For 1 Phase		
Drn. 01-01-2004	Tolerances Unless Otherwise Noted		CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED
Chkd. 01/02/2004 P.L.Powell	Angular	± 1°	
Appr.	Fraction	± 1/16"	
	Decimal	± .010"	
	Dwg. No. v56/E0002-04		Rev. 1
	Scale NTS		Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
--	1	13	Ballast 190 watt	ABS
--	2	32	Terminal ADD	ABS
--	3	20"	Din Rail	ABS
--	4	2	Terminal End	ABS
--	5	1	Terminal Divider	ABS

E0003-04, 6/2/2004 3:22:26 PM

PC MARKETING
199 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	05/26/04	
Chkd.	05/26/04	D.L. Powell
Appr.		

Title: Electrical Tray For Panel "A" Wiring Diagram

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

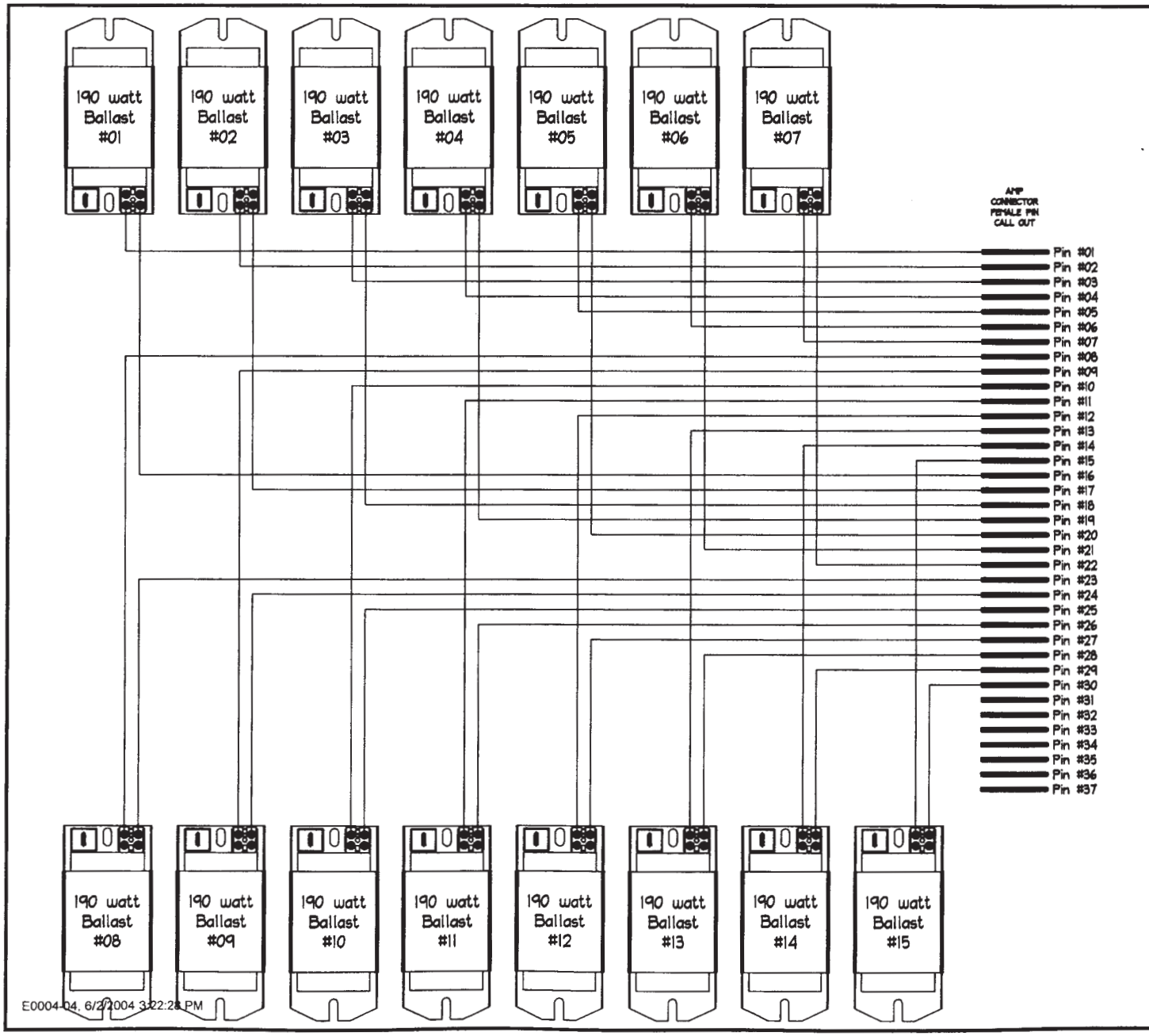
Dwg. No. V56/E0003-04 | Rev. 1

Scale: NTS | Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
--	1	15	Ballast 190 watt	ABB
--	2	32	Terminal ADO	ABB
--	3	20"	Din Rail	ABB
--	4	2	Terminal End	ABB
--	5	32	Terminal Divider	ABB

PC MARKETING
199 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	[illegible]	[illegible]
Chkd.	[illegible]	M. Powell
Appr.		

Title: Electrical Tray For Panel "B" Wiring Diagram

Tolerances Unless Otherwise Noted

Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. V56/E0004-04 — Rev. 1

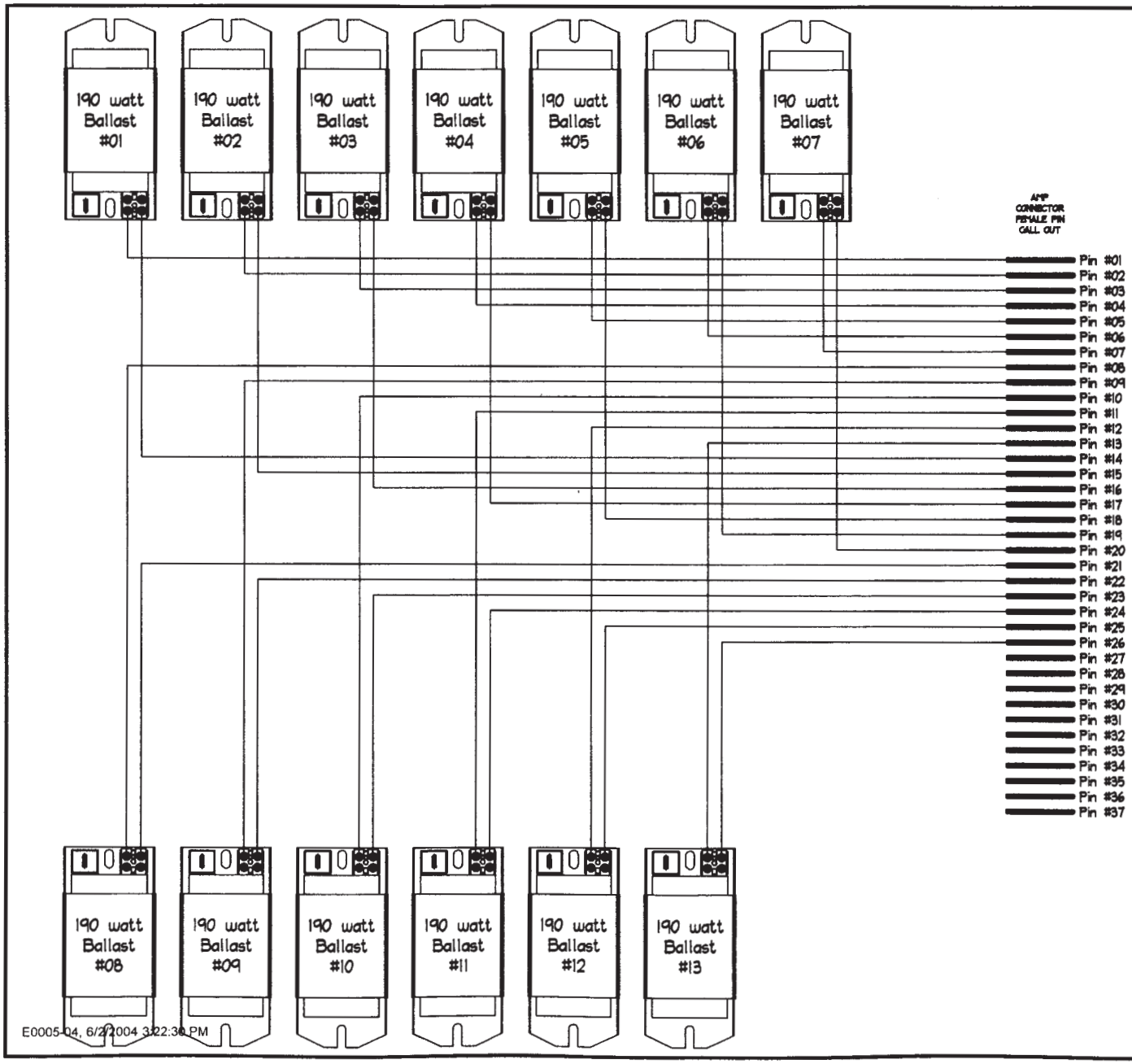
Scale: NTS — Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION

E0004-04, 6/2/2004 3:22:28 PM



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
--	1	13	Ballast 190 watt	ABB
--	2	32	Terminal ADO	ABB
--	3	20"	Din Rail	ABB
--	4	2	Terminal End	ABB
--	5	1	Terminal Divider	ABB

PC MARKETING
199 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	04/30/04	[illegible]
Chkd.	05/04/04	M. Powell
Appr.		

Title: Electrical Tray For Panel "C" Wiring Diagram

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. V56/E0005-04 Rev. 1

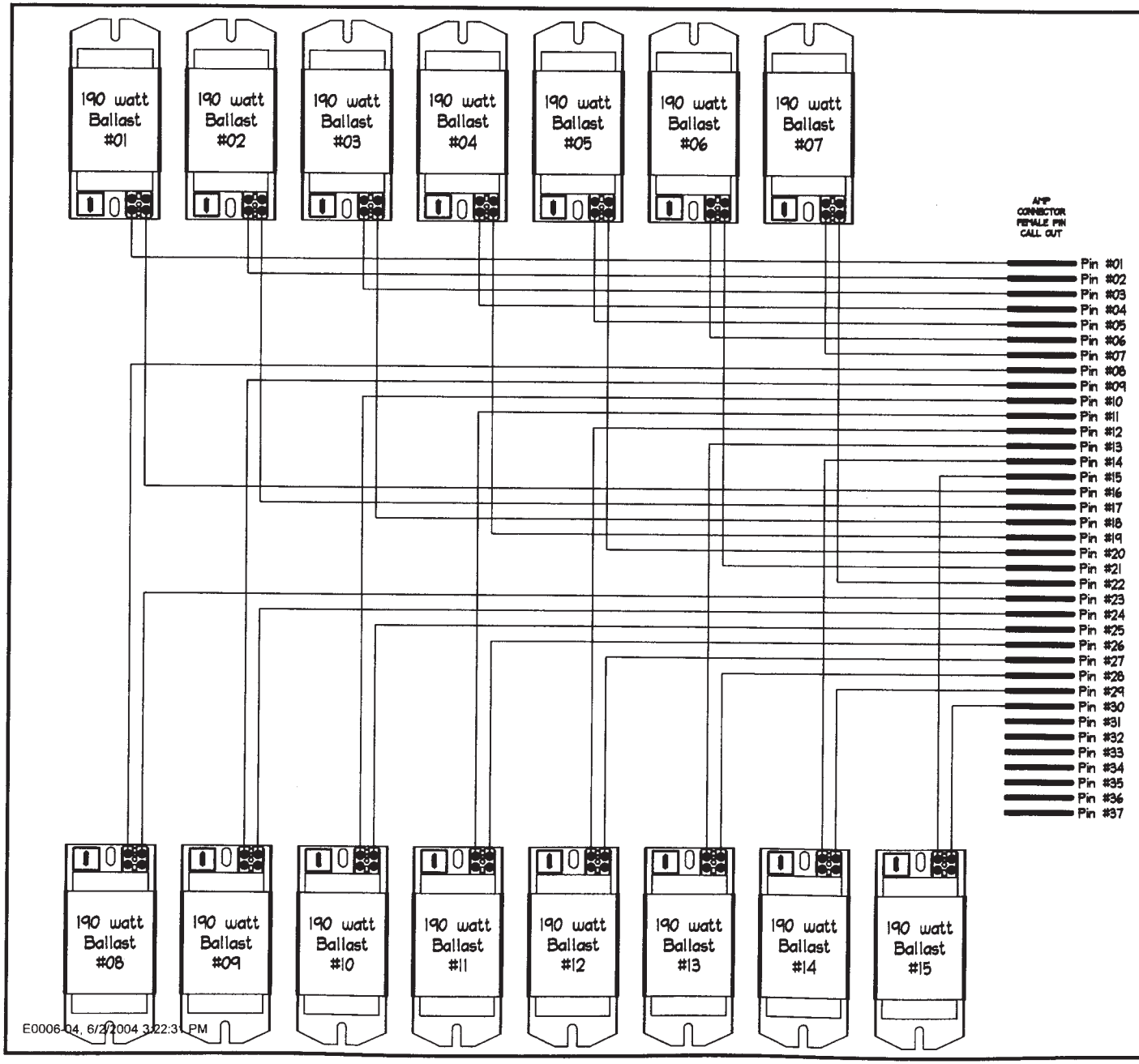
Scale NTS Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION

E0005-04, 6/2/2004 3:22:30 PM



E0006-04, 6/2/2004 3:22:31 PM

BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
---	1	19	Ballast 190 watt	ABS
---	2	32	Terminal ADD	ABS
---	3	20"	Din Rail	ABS
---	4	2	Terminal End	ABS
---	5	1	Terminal Divider	ABS

PC MARKETING
999 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	6/2/2004	M. Wilson
Chkd.	6/2/2004	D. Powell
Appr.		

Title: Electrical Tray For Panel "D" Wiring Diagram

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. V56/E0006-04 Rev. 1

Scale NTS Sheet 1

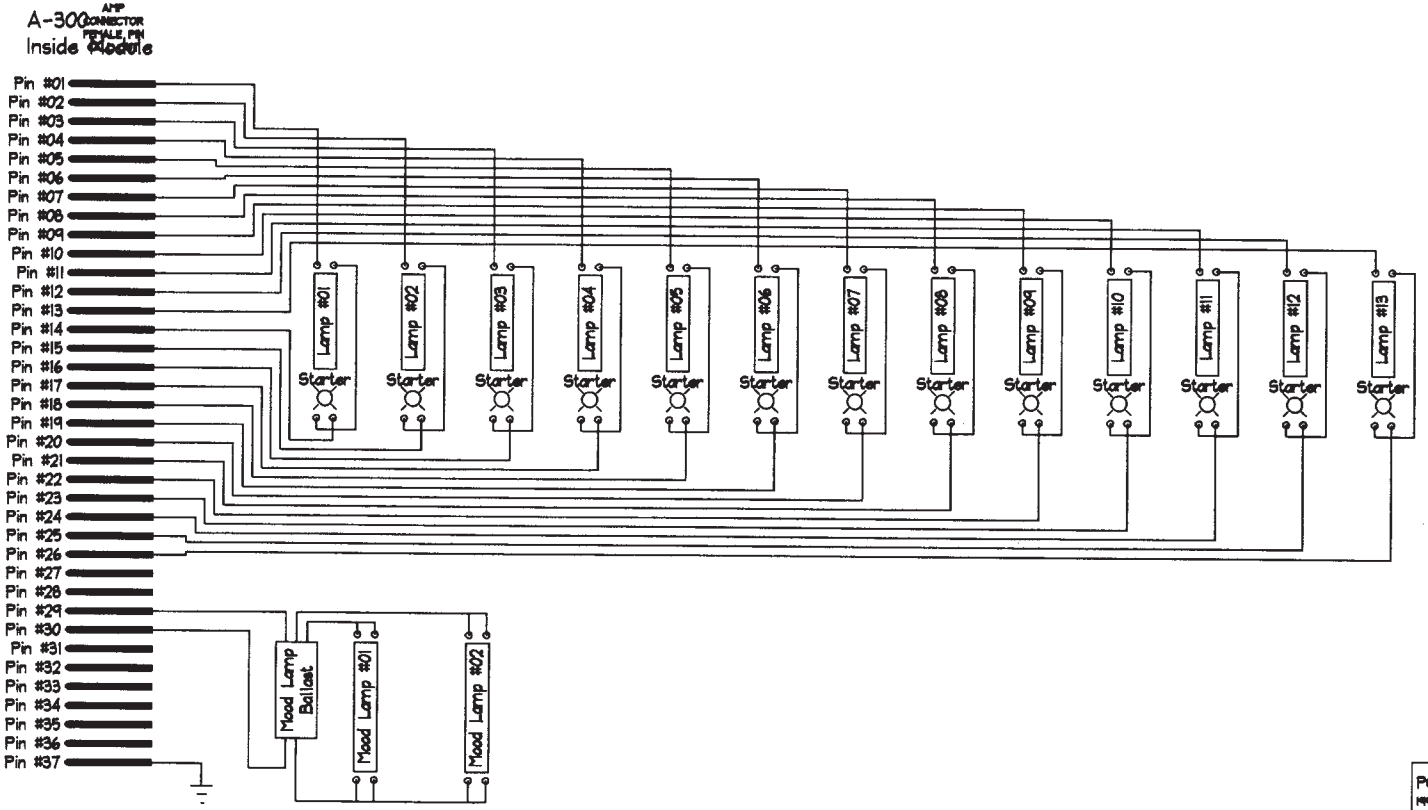
PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, (2) NOT COPY THE DRAWING, (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION

BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
--	1	1	Amphenol Connector Female	M22520
--	2	80 FT	Multiconductor 37	7491
--	3	37	Pin Female	A125
--	4	14	Starter	M22520
--	5	14	Lamp 9990	7491

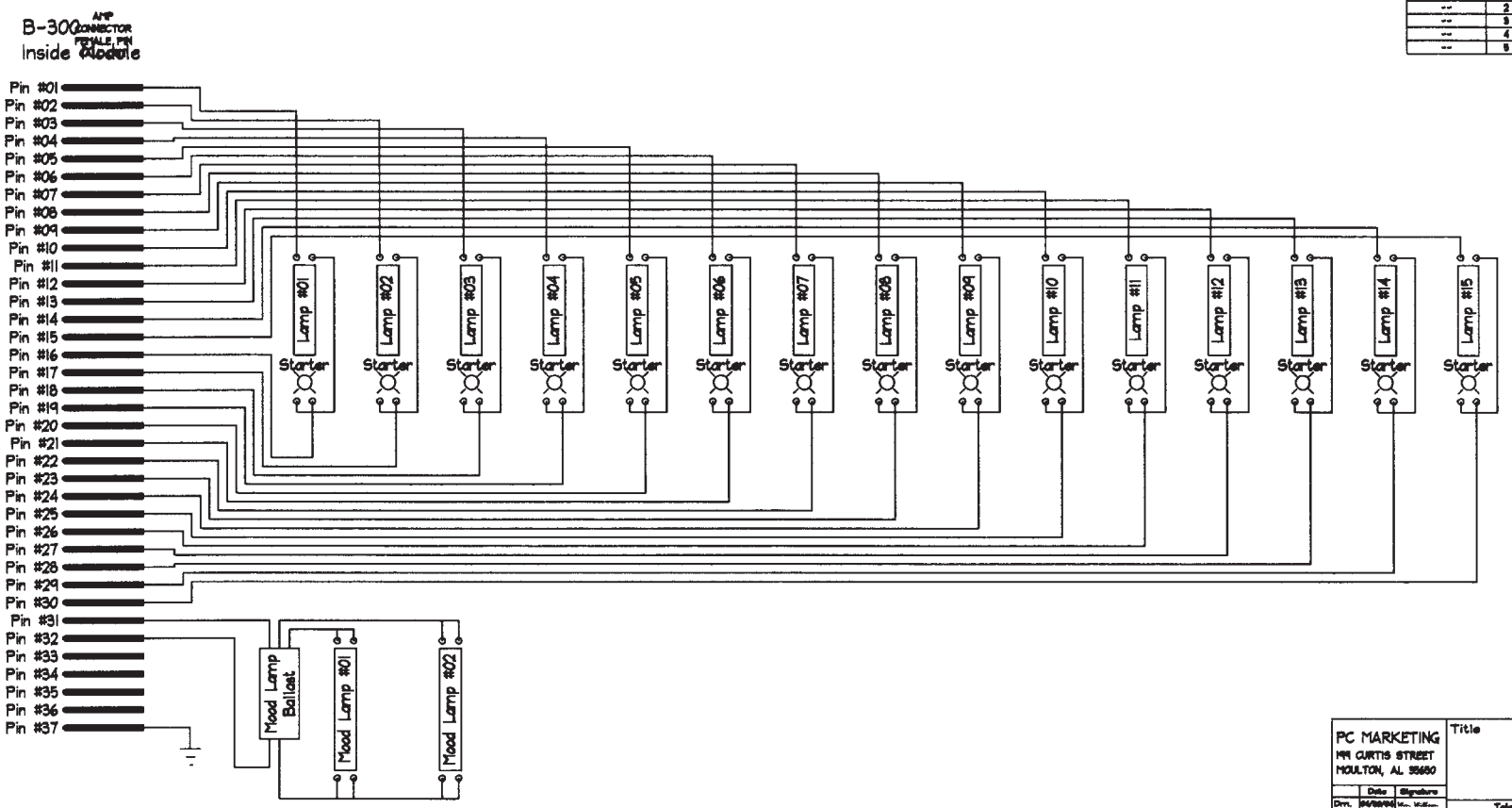


PC MARKETING 444 CURTIS STREET MOULTON, AL 35650	Title: Modual "A" Electrical Wiring Diagram	
	Tolerances Unless Otherwise Noted: Angular ± 1° Fraction ± 1/16" Decimal ± .010"	CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED
	Dwg. No. V56/E0007-04	Rev. 1
	Scale NTS	Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
--	1	1	Amphenol Connector Female	162220
--	2	10 FT	Multicondector 37	74881
--	3	37	Pin Female	ABB
--	4	14	Starter	162220
--	5	14	Lamp 9X90	74881

PC MARKETING
199 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	[illegible]	[illegible]
Chkd.	[illegible]	M. Powell
Appr.		

Title: Modual "B" Electrical Wiring Diagram

Tolerances Unless Otherwise Noted

Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. V56/E0008-04 — Rev. 1

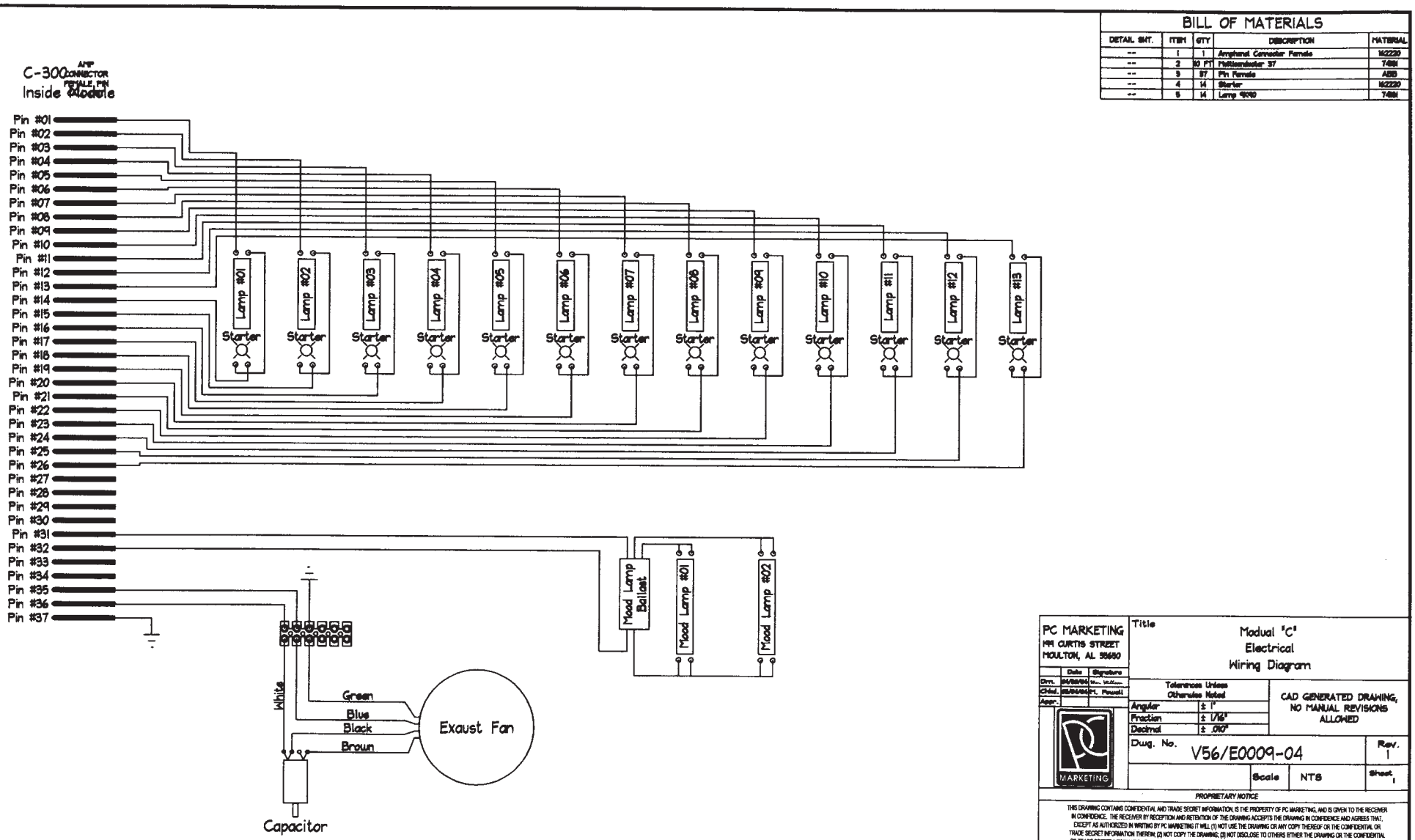
Scale: NTS — Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL: (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION

E0008-04, 6/2/2004 3:22:34 PM



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
--	1	1	Amphenol Connector Female	142220
--	2	10 FT	Multiconductor 37	7484
--	3	37	Pin Female	A88
--	4	14	Starter	142220
--	5	14	Lamp 9090	7484

E0009-04, 6/2/2004 3:22:36 PM

PC MARKETING
444 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	06/02/2004	W. Wilson
Chkd.	06/04/2004	M. Powell
Appr.		

Title: Modual 'C' Electrical Wiring Diagram

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. V56/E0009-04 | Rev. 1

Scale: NTS | Sheet 1

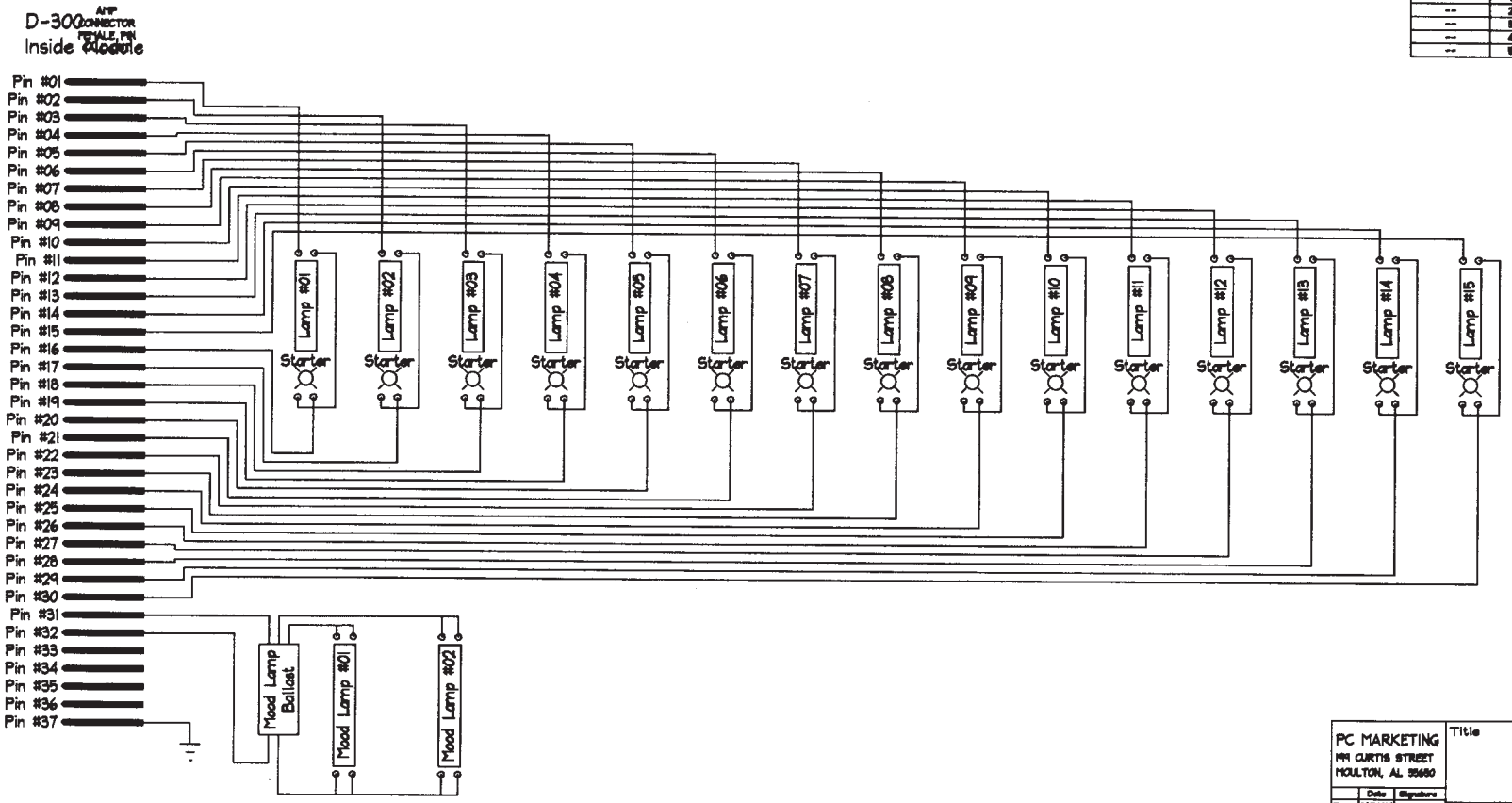
PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, (2) NOT COPY THE DRAWING, (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION

BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
---	1	1	Amphenol Connector Female	M22520
---	2	80 FT	Multiconductor 37	7486
---	3	37	Pin Female	A36
---	4	14	Starter	M22520
---	5	14	Lamp 4090	7486



PC MARKETING
111 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	6/2/2004	L. Wilson
Chkd.	6/2/2004	L. Powell
Appr.		

Title: Modual 'D' Electrical Wiring Diagram

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

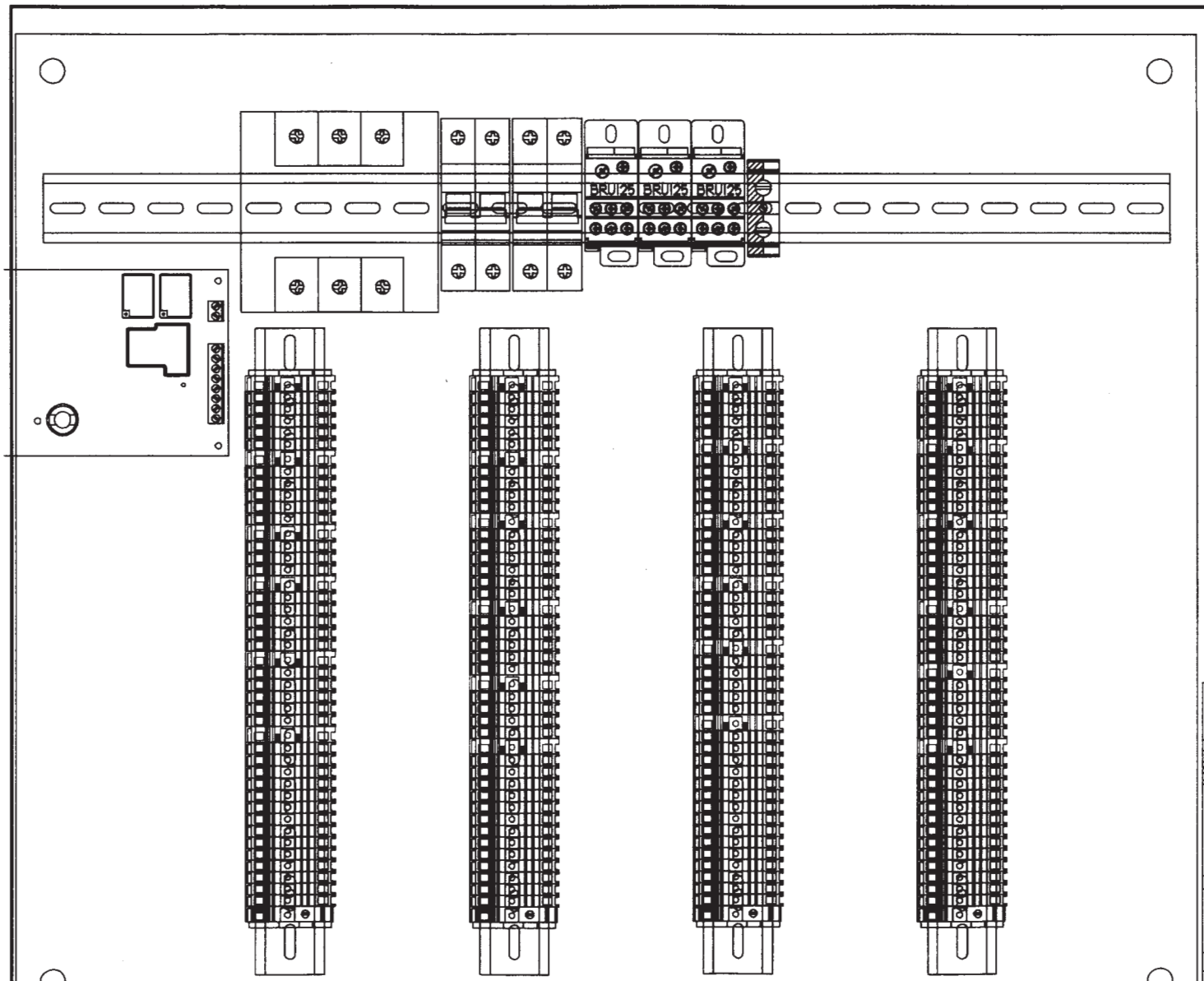
Dwg. No. V56/E0010-04 | Rev. 1

Scale: NTS | Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION



E0013-04, 6/2/2004 3:22:40 PM

PC MARKETING
199 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	6/2/2004	
Chkd.		
Appr.		

Title
Back Panel
Layout for
V-56 Tanning Booth Layout

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

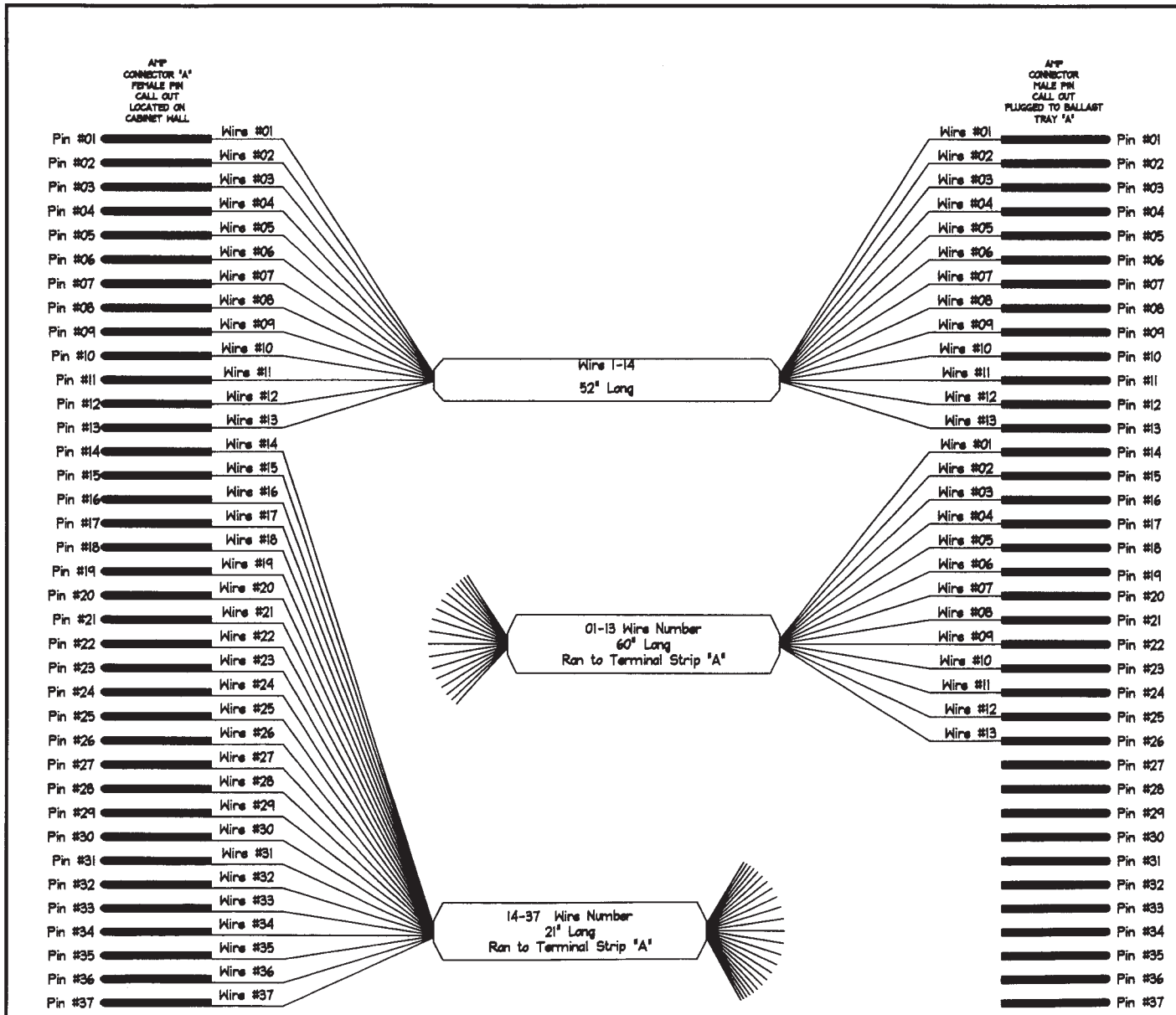
Dwg. No. E0013-04 | Rev. 1

Scale 6" = 1'-0" | Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
---	1	1	Amphenol Conn Female	AMP
---	2	1	Amphenol Conn Male	AMP
---	3	37	Pin Female	AMP
---	4	26	Pin Male	AMP

PC MARKETING
111 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	6/2/2004	
Chkd.		
Appr.		

Title: Entrior Cabinet Harness "A" of Control Cabinet For V-56 Booth

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

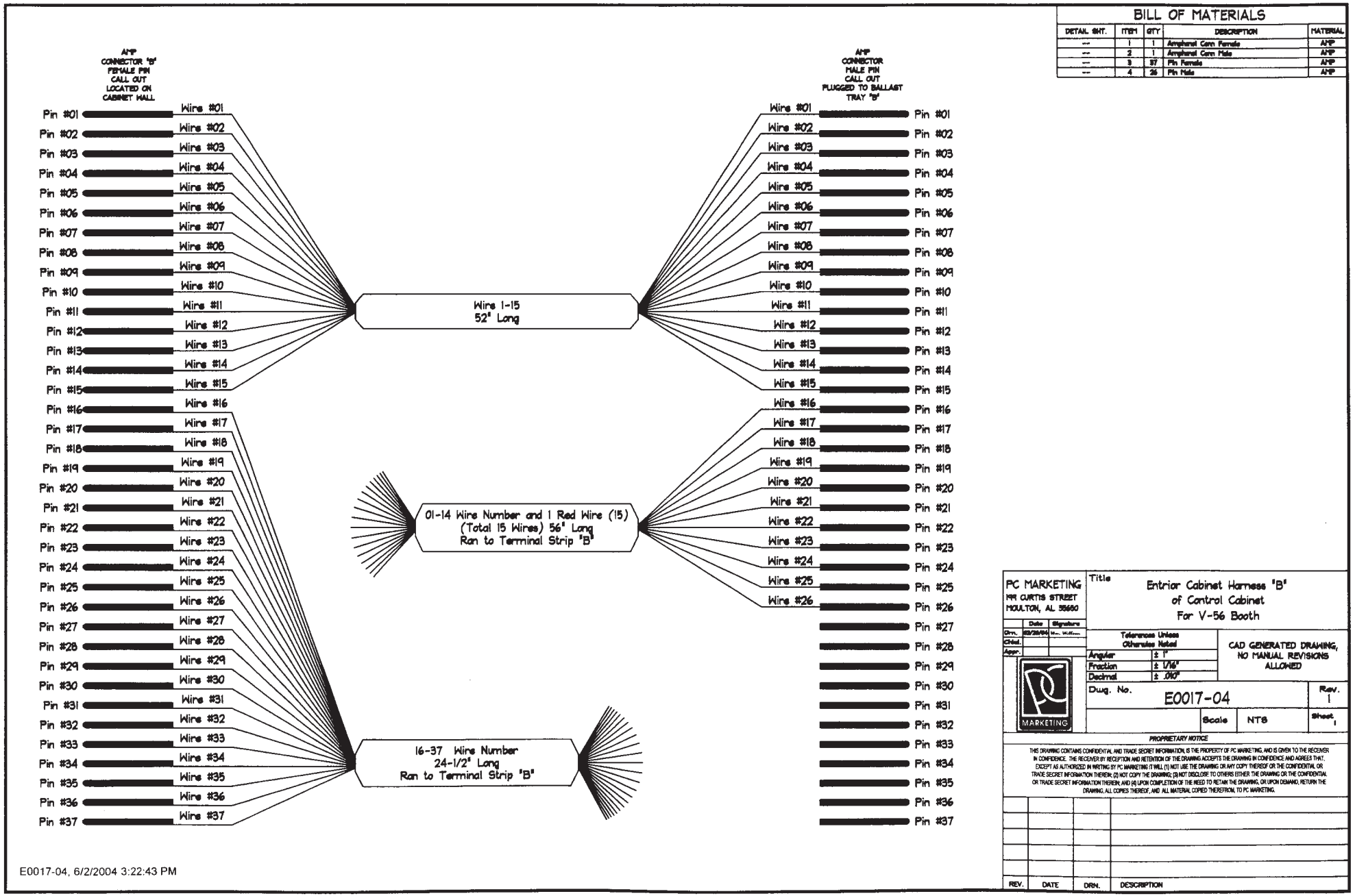
CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. E0016-04 | Rev. 1 | Scale NTS | Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
---	1	1	Amphenol Conn Female	AMP
---	2	1	Amphenol Conn Male	AMP
---	3	37	Pin Female	AMP
---	4	26	Pin Male	AMP

PC MARKETING
444 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	6/2/2004	
Chkd.		
Appr.		

Title: Entrior Cabinet Harness 'B' of Control Cabinet For V-56 Booth

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. E0017-04 | Rev. 1

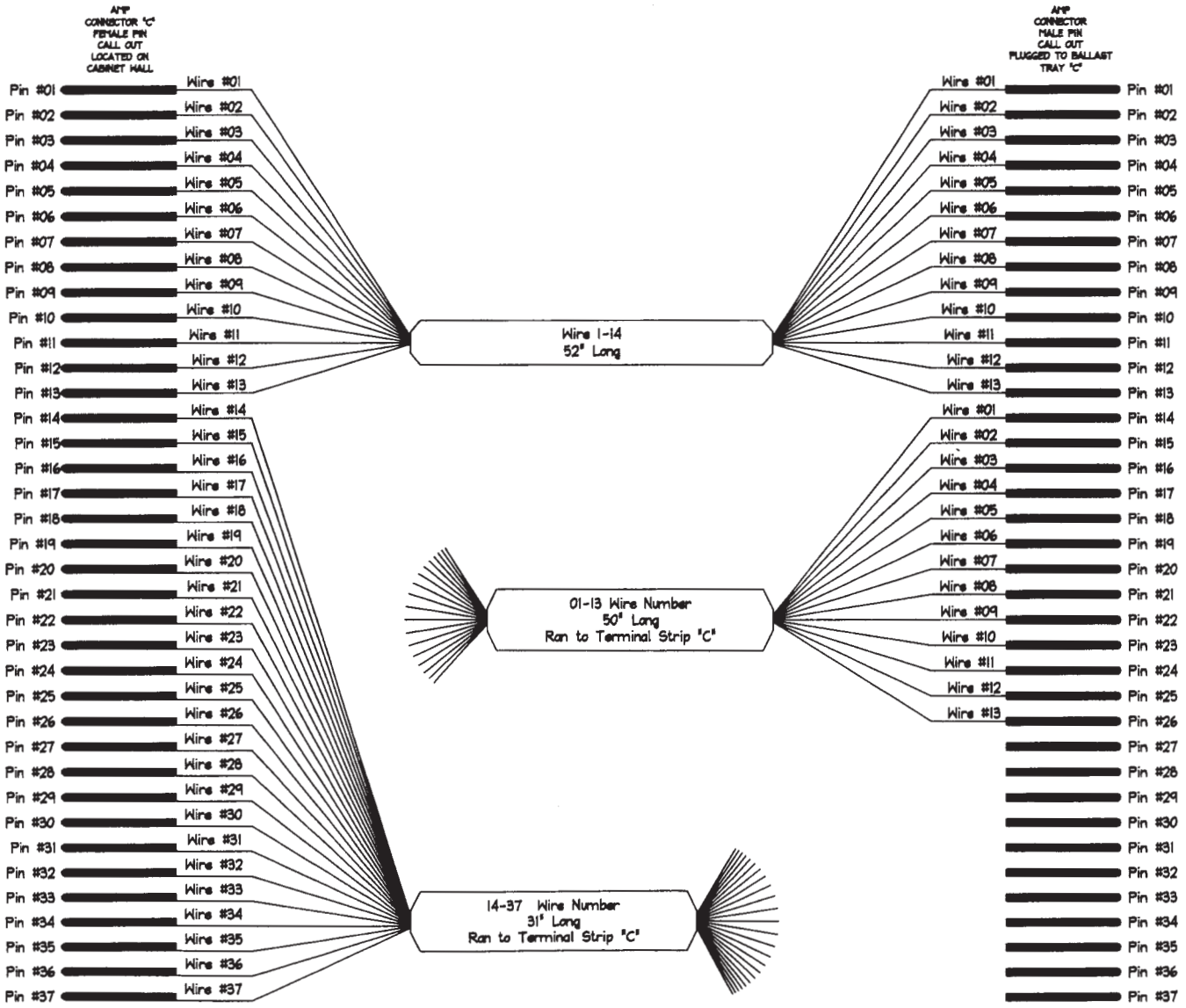
Scale: NTS | Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEIPT AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION

E0017-04, 6/2/2004 3:22:43 PM



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
--	1	1	Amphenol Conn Female	AMP
--	2	1	Amphenol Conn Male	AMP
--	3	37	Pin Female	AMP
--	4	26	Pin Male	AMP

PC MARKETING
199 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	6/2/2004	
Chkd.		
Appr.		

Title: Entrior Cabinet Harness 'C' of Control Cabinet For V-56 Booth

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

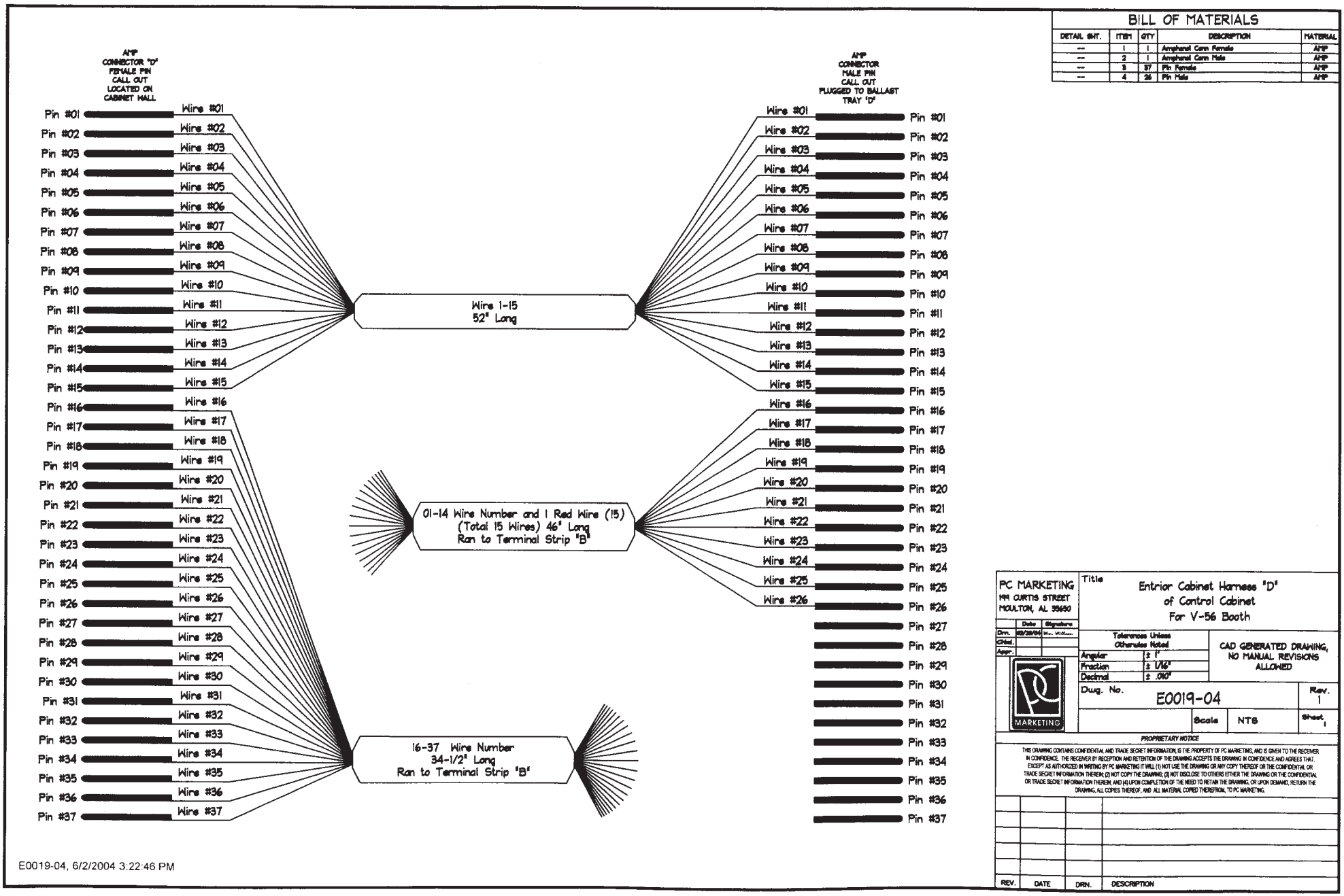
Dwg. No. E0018-04 | Rev. 1

Scale: NTS | Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION



BILL OF MATERIALS

DETAIL SHT.	ITEM	QTY	DESCRIPTION	MATERIAL
---	1	1	Amphenol Conn Female	AMP
---	2	1	Amphenol Conn Male	AMP
---	3	37	Pin Female	AMP
---	4	26	Pin Male	AMP

PC MARKETING
199 CURTIS STREET
MOULTON, AL 35650

	Date	Signature
Drn.	05/26/04	
Chkd.		
Appr.		

Title: Entrior Cabinet Harness "D" of Control Cabinet For V-56 Booth

Tolerances Unless Otherwise Noted	
Angular	± 1°
Fraction	± 1/16"
Decimal	± .010"

CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED

Dwg. No. E0019-04 | Rev. 1 | Scale NTS | Sheet 1

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF PC MARKETING, AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY PC MARKETING IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM, TO PC MARKETING.

REV.	DATE	DRN.	DESCRIPTION

E0019-04, 6/2/2004 3:22:46 PM