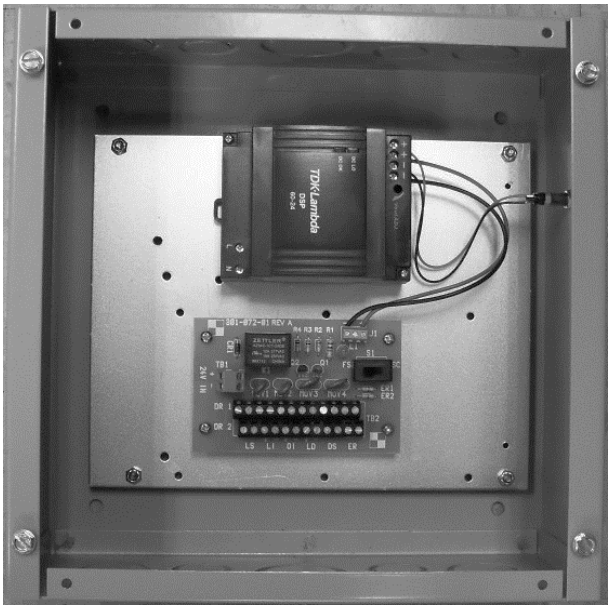
ACSI MODEL 1400-6100 POWER SUPPLY
INSTALLATION INSTRUCTIONS

Features:

- Used exclusively with the ACSI Series 6100 Communicating Bath Door (Common Bath) System
- Two separate and identical rows of terminals provided for convenient field wiring of system components at each door - Only one wire per terminal opening required
- Up to 1 amp current draw allowable for each of two outputs to electrified locking device
- Outputs to electrified locking device can be field selected for fail safe or fail secure function by using on board switch
- Inputs available for optional emergency release switch when urgent unlocking of door is required
- Filtered/Regulated 24 Volts DC
- Class 2 Rated Outputs
- Overload, over voltage, and short circuit protection
- Automatically accepts 120VAC or 240VAC input
- UL listed and Tested to 294 Standard for Access Control System Units with Security Levels Rated I for Physical Attack, IV for Endurance, I for Line Security, I for Standby Power



Installing the 1400-6100

For UL installations, the product is to be used only with other UL Listed and compatible security products. The unit must be mounted indoors, avoiding moist or wet areas. Some common locations for mounting the 1400-6100 would be in the plenum near the door containing the electric locking device, or in a nearby closet or electrical room. When installing the unit in the plenum, wires must be plenum rated or contained inside conduit. The unit must be mounted in a vertical position with the power supply module located at the top, as shown in the photograph above. Four 1/4” holes are provided for mounting the box to the wall or other rigid surface. If the surface material is wood, it must be at least 1 inch thick. Use either a truss or pan head, 1 inch long sheet metal screw (#10 or larger) for fastening the box to the wood surface. When mounting the unit to 1/2 inch or 5/8 inch dry wall, it is recommended that 3/16 inch or 1/4 inch diameter toggle bolts be used for maximum support. Use the same size toggle bolts for mounting the unit to hollow concrete blocks. For mounting to concrete, solid block, or brick, it is recommended to use 1-3/4 inch long (minimum) x 1/4 inch diameter hex head bolt anchors (sometimes called power-bolts) in 18-8 stainless steel or Grade 5 zinc-plated steel. The sub plate of this unit can be removed from the enclosure for providing easier access to the

mounting holes. To remove the sub plate, locate the four #6 locknuts near each corner of the plate and remove. The 6-32 studs, from which the sub plate mounts to, are held in place to the box by threaded standoffs.

Wiring the AC Input

The 1400-6100 power supply is rated for use with a 20 amp branch circuit and is capable of accepting either 120VAC or 240VAC input without the need for making any changes, or reconfiguring to convert from one input voltage to the other. Because the power supply module contains Class 2 double insulation, an earth ground wire is not required. For wiring 120VAC or 240VAC input, run 14 AWG 2-conductor to the power supply module's input terminals marked **L** (Line) and **N** (Neutral). Ensure that the conductors are fully inserted into the input terminals with no bare metal exposed. (Refer to the wire stripping instructions included on the wiring diagram attached to the cover plate of this power supply.)

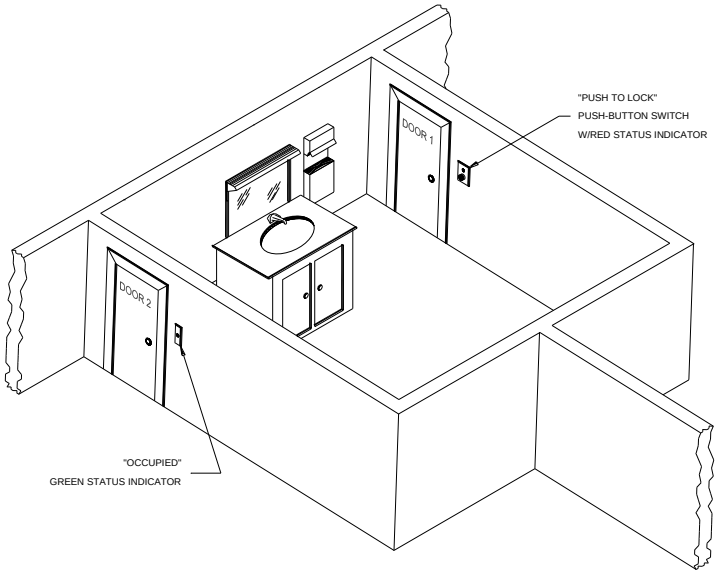
CAUTION! It is important to maintain separation between the primary (high voltage AC) wiring and secondary (low voltage DC) wiring as they are routed inside the power supply enclosure. The primary wiring must be run inside conduit; and the conduit must be connected to one of the knockouts located towards the left end of the top wall of the enclosure (above and to the left of the power supply module's input terminals). All secondary wiring must be routed through any one of the knockouts located along the bottom wall of the enclosure.

Note: This unit is not equipped with a battery standby power feature.

ACSI Communicating Bath Door System - General Description

System Layout (see illustration on next page)

The standard 6100 common bath system consists of two doors leading from separate patient rooms into a bathroom facility that is situated between the two rooms. Inside the bathroom next to each door is a push-button switch with a red status indicator marked, “PUSH TO LOCK”. Outside the bathroom next to each door is a green status indicator marked, “OCCUPIED”.



System Operation

When the bathroom is not occupied, both doors are unlocked; the red “Push To Lock” and green “Occupied” status indicators are extinguished. A patient entering the bathroom depresses the inside push-button switch to lock the doors. (Each door must be fully closed in order for both to lock.) When the doors lock, the lighted red status indicators inside the bathroom inform the patient that both doors are currently locked from the outside for privacy. The lighted green status indicators outside the bathroom inform other patients that the bathroom is currently occupied and entry is denied. When the patient exits through either door, the system automatically resets: both doors unlock; all status indicators are extinguished. The system is now ready for another patient’s use.

Note: Both doors provide free egress from the bathroom facility to the patient’s room. When electrically locked, the outside trim on either door can be mechanically overridden with a key.

Emergency Release

An optional emergency release switch can be used to gain immediate access into the bathroom facility from either patient’s room. Activating this switch will reset the system by unlocking both doors and extinguishing all status indicators.

Common Bath Component Package

- 1320-6100 “PUSH TO LOCK” Push-button Switch W/Red LED Indicator

  A normally open, momentary switch used for locking the outside trim of the two doors leading into the bathroom facility from the patients’ rooms. This switch is wired to the terminals marked as “LS” on the small p.c. board inside the 1400-6100 power supply.

Above this switch is a red LED status indicator that lights when both bathroom doors electrically lock, and informs the patient that the doors are currently locked on the patient room sides for privacy. This indicator is wired to the terminals marked as “LI” on the small p.c. board.

- 1340-6100 “OCCUPIED” Green LED Indicator

  Stationed next to the bathroom door on the patient’s room side, this status indicator informs the patient that the bath facility is currently being used by another patient and access is denied. This indicator is wired to the terminals marked as “OI” on the small p.c. board.

- 1335-3 Door Position Switch

  A magnetic contact, closed loop switch is mounted into the header of each door. The switch ensures that both doors will be latched when electrically locked. If either door is not fully closed and latched, then both doors will not electrically lock when commanded to by the Push-to-Lock switch. The switch also resets the common bath system when in the “locked” state. When the switch senses that the door is opened from inside the bathroom, both doors unlock and all status indicators are extinguished. This switch is wired to the terminals marked as “DS” on the small p.c. board.

- 1400-6100 Power Supply

  This unit is designed to provide the power and control for the entire Series 6100 Common Bath System.

Electrified Locking Devices

The following door mounted electrified locking devices can be used with the Series 6100 Common Bath System:

- ACSI Series M1510C or M1520C electrically modified mortise locksets
- ACSI Series C1510C or C1520C electrically modified cylindrical locksets
- Any electrically modified mortise or cylindrical lockset rated 24 volts DC at 1 amp (max.)

The following jamb mounted electrified locking devices can be used with the Series 6100 Common Bath System:

- ACSI Series 8500 Gemini Locking System
- ACSI Series 1700 Electric Door Strikes
- Any electric door strike, or other type of jamb-mount electrified locking device, rated 24 volts DC at 1 amp (max.)

The electrified locking device is wired to the terminals marked as “LD” on the small p.c. board inside the 1400-6100 power supply.

Fail Secure Option

The 1400-6100 power supply is provided with a slide switch (located on the small p.c. board) that can be used for field selecting the “fail” status of the electric locking device being supplied for the common bath application. The switch is factory preset for electrified locksets modified as “fail safe” (power to lock). For applications requiring fail secure electrified locksets (power to unlock), move the slide switch from the “FSF” position to the “FSC” position (see the illustration below).

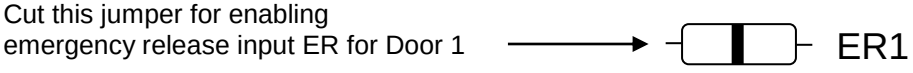
Emergency Release Option

Certain conditions within a particular application may require the nursing staff to have a means of quickly accessing the bathroom facility when occupied by a patient. If an emergency situation is suspected, activating a switch would prove to be a much faster method of overriding the common bath system than by taking the time to locate a key to unlock the door. The emergency release switch would normally be located somewhere conveniently near the bathroom door inside the patient’s room.

The following controls can be used as optional emergency release devices for the Series 6100 Common Bath System:

- ACSI Model 1320-1MOM push-button switch
- ACSI Model 1330-2 emergency pull station
- Any momentary action switching device containing normally closed contacts (Contacts must open momentarily to deactivate the system when currently locked.)

The emergency release switch is wired to the terminals marked as “ER” on the small p.c. board inside the 1400-6100 power supply. The unit is shipped from the factory with the emergency release input terminals disabled. Jumpers ER1 and ER2 are internally strapped across the ER inputs on the small p.c. board. To enable the input for use with an emergency release switch, jumpers ER1 and/or ER2 must be removed by cutting them out with wire cutters – a common electrician’s tool, and available at hardware or wholesale/retail electronics stores. Removing jumper ER1 enables the ER input for Door 1; removing ER2 enables the ER input for Door 2.



Cut this jumper for enabling
emergency release input ER for Door 2

Application Drawings

Six complete sets of drawings (riser diagram and point-to-point wire diagram) depicting six typical common bath system applications can be found at the end of this manual. Figures 1a and 1b illustrate an application using a door mounted electrified locking device and an ACSI Model 1320-1 emergency release push-button switch. Figures 2a and 2b illustrate an application using a jamb mounted electrified locking device and an ACSI Model 1330-2 emergency release pull station. The remaining figures cover special common bath applications involving three door and one door systems.

Trouble Shooting Tips

Listed below are some problems that might be encountered during installation, or at any other time, and possible solutions for correcting them.

! CAUTION !

THIS UNIT CONTAINS AREAS OF EXPOSED HIGH VOLTAGE. ALL TROUBLE SHOOTING AND MAINTENANCE SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN.

- **The doors do not lock, nor do the status indicators light up when the push-to-lock switch is depressed.**
  - Check to see if the LED power indicator L1 on the small p.c. board inside the 1400-6100 power supply is lit. If not, there may be a shorted output; or there may be no power being applied to the small p.c. board from the power supply above.
  - Check for 120VAC across terminals of input to power supply module.
  - If 120VAC is present, disconnect field wires from all used outputs (LI, OI, LD) and measure for 24VDC across these terminals after depressing one of the two push-to-lock switches. Check to see if power indicator L1 has lighted.
  - If 24VDC is now present and L1 is lit, check for shorts across field wires for each output . If the load is an electrified locking device mounted in the door, check the electric hinge for pinched wires behind each leaf. Also check for shorted wires between the locking device and raceway in the door.
  - If 24VDC is not present across terminals marked “24V IN" at TB1 (with field wires still disconnected from all outputs) and L1 is not lit, disconnect the red and black wire leads connected to the +,- terminals of the output to the power supply module and check for 24VDC at this output. If voltage is now present across the power supply module's output, it can be assumed that there is a short circuit somewhere on the control board and it will need to be replaced. If voltage is still

not present across the output to the power supply module, then it can be assumed the power supply module itself is damaged and must be replaced.

- **The electrified locking device behaves the opposite of what was expected, i.e., it locks when intended to unlock, or unlocks when intended to lock.**
    - Determine if the locking device is fail secure or fail safe function by checking the outside trim of the door with power removed from the locking device. If the outside trim (patient room side) is unlocked, then the locking device is fail safe. If the outside trim is locked, then the locking device is fail secure.
    - Once the locking device has been determined to be either fail safe or fail secure function, set slide switch S1 on the small p.c. board inside the 1400-6100 power supply to the position that matches the function of the locking device: Set to FSF for a fail safe lock; set to FSC for a fail secure lock.

- **When the emergency release switch is activated during the time the common bath system is in the "locked" state, the doors do not unlock and the status indicators remain lit.**
    - Make sure that jumpers ER1 (for Door 1) and ER2 (for Door 2) are removed from the small p.c. board inside the 1400-6100 power supply. Whichever ER input is wired to an emergency release switch, the corresponding jumper for that input must be removed.

- **While the push-to-lock switch is <u>held</u> depressed, both doors lock and all status indicators light up, as expected. But when the push-to-lock switch is then released, both doors unlock and all status indicators are extinguished.**
    - The cause for this symptom usually involves the door position switches. Some common problems and checks are listed below:

      The magnet to the door position switch may be missing or misaligned. Remove the door position switch field wires at the DS terminals located on the small p.c. board inside the 1400-6100 power supply. With both bathroom doors fully closed and latched, and using an ohmmeter, measure across the two field wires for continuity (closed loop circuit) at each door. If one or both doors indicate no continuity through the field wires, then the door position switch must be inspected. Check to make sure there is a corresponding magnet mounted in the top of the door and, with the door fully closed, it must be positioned directly below where the door position switch is located in the door frame header. For steel doors, the air gap between the magnet and door position switch should not exceed 1/2 inch, but this could also vary. Adjust the gap until a closed loop circuit is achieved.

      The door position switch may be incorrectly wired. For the required closed loop circuit, use the black and white wires. The red wire is not used.

      BLACK WIRE: COMMON WHITE WIRE: NORMALLY OPEN RED WIRE: NORMALLY CLOSED

      The internal contacts of the door position switch itself may be defective or damaged. Using a magnet and an ohmmeter, check the operation of the contacts attached to the black and white wires: The switch should be open

circuit with no magnet near it. The switch contacts should close when the magnet is brought up near to the switch (1/4" – 1/2" gap).

For trouble shooting assistance, contact ACSI Technical Support: 1-800-753-5558

SPECIFICATIONS:

Input Voltage:	120VAC/240VAC, 50/60Hz
AC Current:	900mA/120VAC, 600mA/240VAC
Output Voltage:	24VDC Filtered, Regulated
Output Current:	2.0A
Output Power:	48W
Protection:	Overload, Over Voltage, Short Circuit

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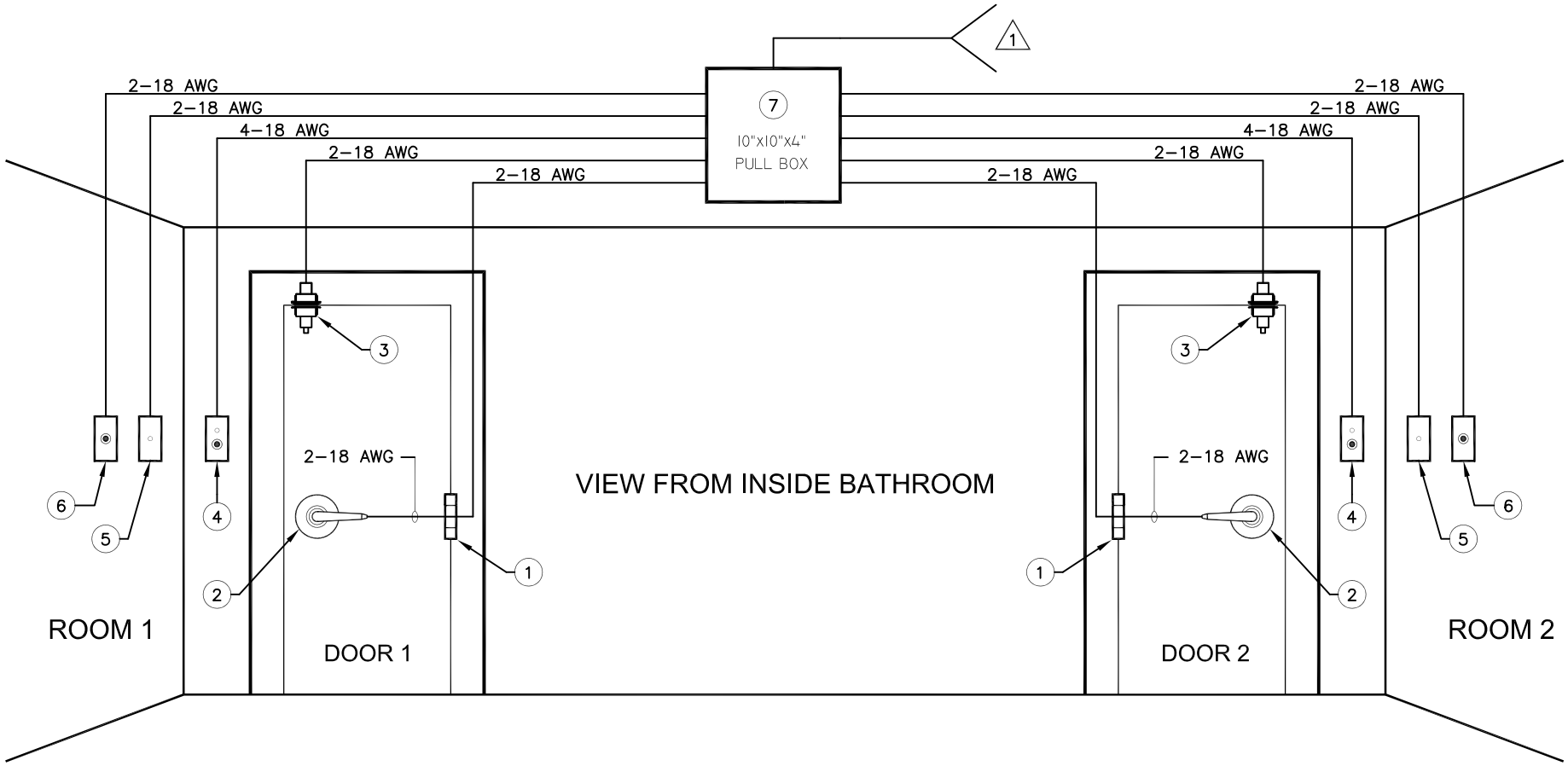
CONTROL SYSTEMS INC.



RISER DIAGRAM FOR A COMMON BATH SYSTEM APPLICATION USING A DOOR MOUNTED ELECTRIFIED LOCKING DEVICE

SYSTEM COMPONENTS:

(1) ACSI MODEL 1104 ELECTRIC THRU–WIRE HINGE, OR OTHER POWER TRANSFER DEVICE

(2)
- ACSI SERIES M1500C FAIL SAFE OR FAIL SECURE ELECTRIFIED MORTISE LOCK
- ACSI SERIES C1500C FAIL SAFE OR FAIL SECURE ELECTRIFIED CYLINDRICAL LOCK
- MISCELLANEOUS ELECTRIFIED MORTISE OR CYLINDRICAL LOCK RATED 24VDC @ 1 AMP (MAX.)

(3) 1335–3 DOOR POSITION SWITCH*

(4) 1320–6100 "PUSH–TO–LOCK" SWITCH W/INDICATOR*

(5) 1340–6100 "OCCUPIED" INDICATOR*

(6) ACSI MODEL 1320–1 OPTIONAL EMERGENCY RELEASE PUSH–BUTTON SWITCH

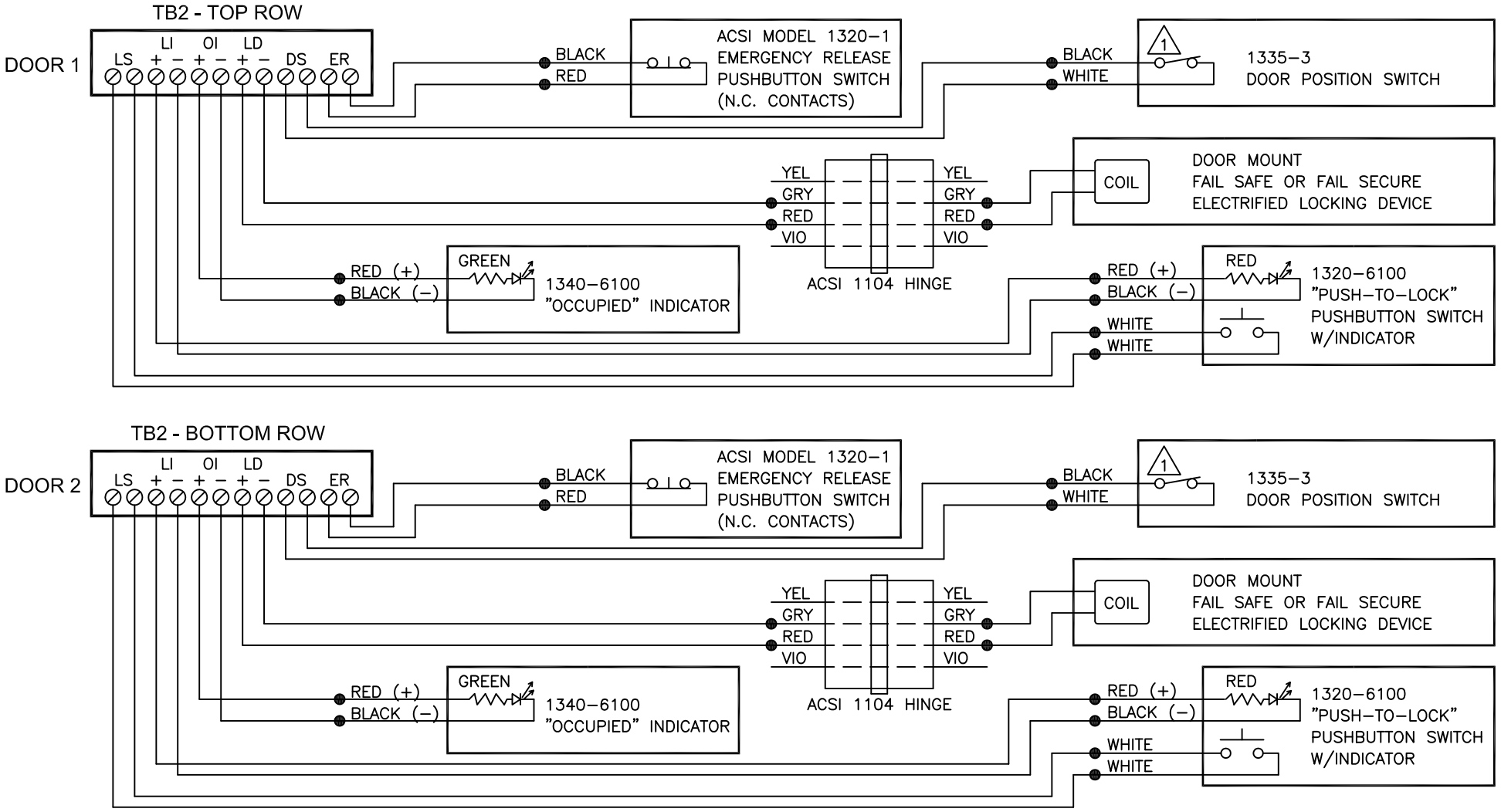
(7) 1400–6100 POWER SUPPLY*

*PART OF 6100 COMMON BATH PACKAGE

NOTES:

(1) TO 115V., 60HZ., 5A. SERVICE.

FIG. 1a

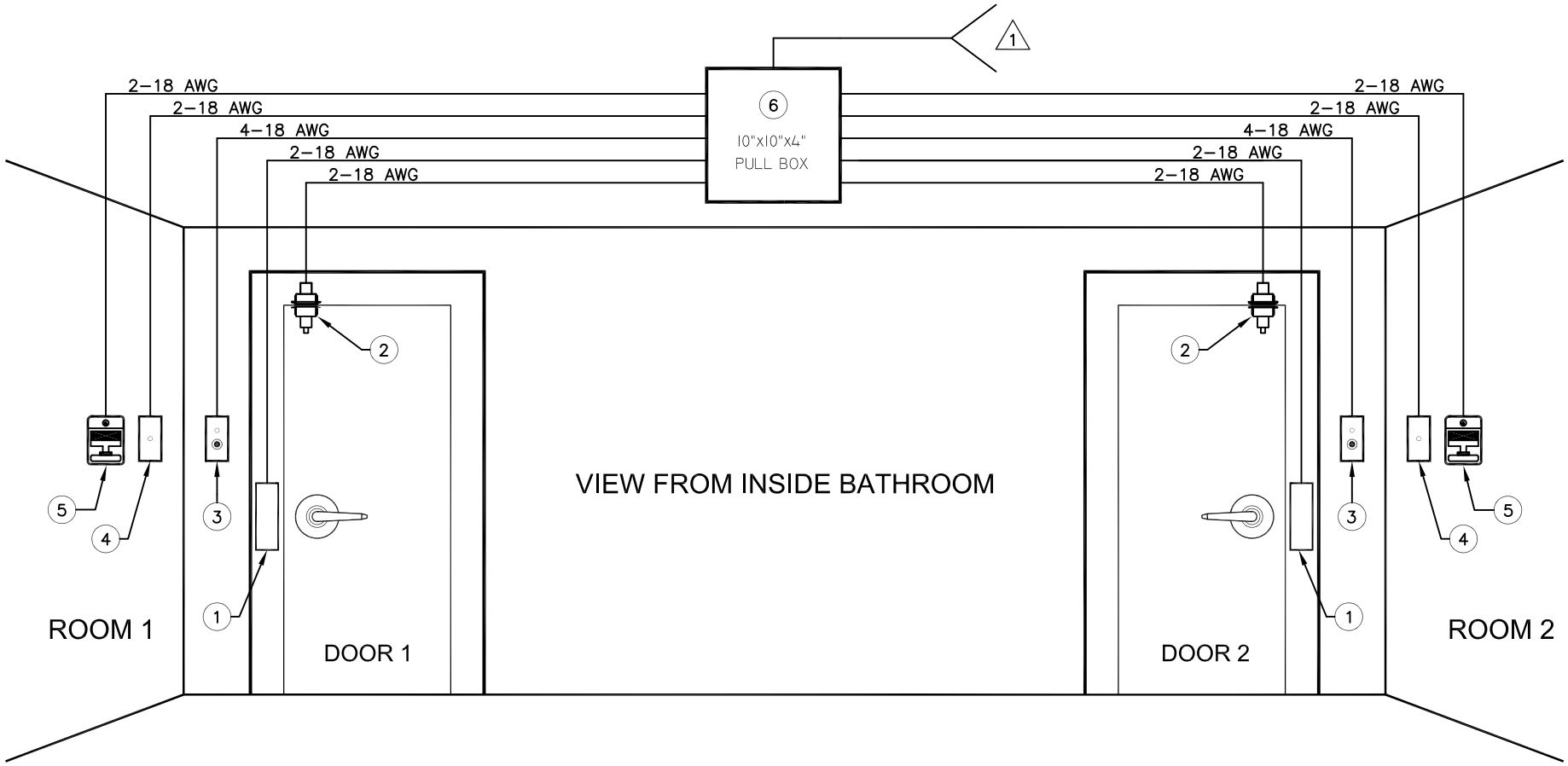


POINT-TO-POINT WIRE DIAGRAM FOR A COMMON BATH SYSTEM APPLICATION USING A DOOR MOUNTED ELECTRIFIED LOCKING DEVICE

FIG. 1b

NOTES:

1. DOOR POSITION SWITCH SHOWN CLOSED WITH DOOR IN CLOSED POSITION.



RISER DIAGRAM FOR A COMMON BATH SYSTEM APPLICATION USING A JAMB MOUNTED ELECTRIFIED LOCKING DEVICE

SYSTEM COMPONENTS:

(1) • ACSI SERIES 8500 FAIL SAFE OR FAIL SECURE GEMINI LOCKING SYSTEM
• ACSI SERIES 1700 FAIL SAFE OR FAIL SECURE ELECTRIC DOOR STRIKE
• MISCELLANEOUS ELECTRIC DOOR STRIKE RATED 24VDC @ 1 AMP (MAX.)

(2) 1335–3 DOOR POSITION SWITCH*

(3) 1320–6100 "PUSH–TO–LOCK" SWITCH W/INDICATOR*

(4) 1340–6100 "OCCUPIED" INDICATOR*

(5) ACSI MODEL 1330–3 OPTIONAL EMERGENCY RELEASE PULL STATION

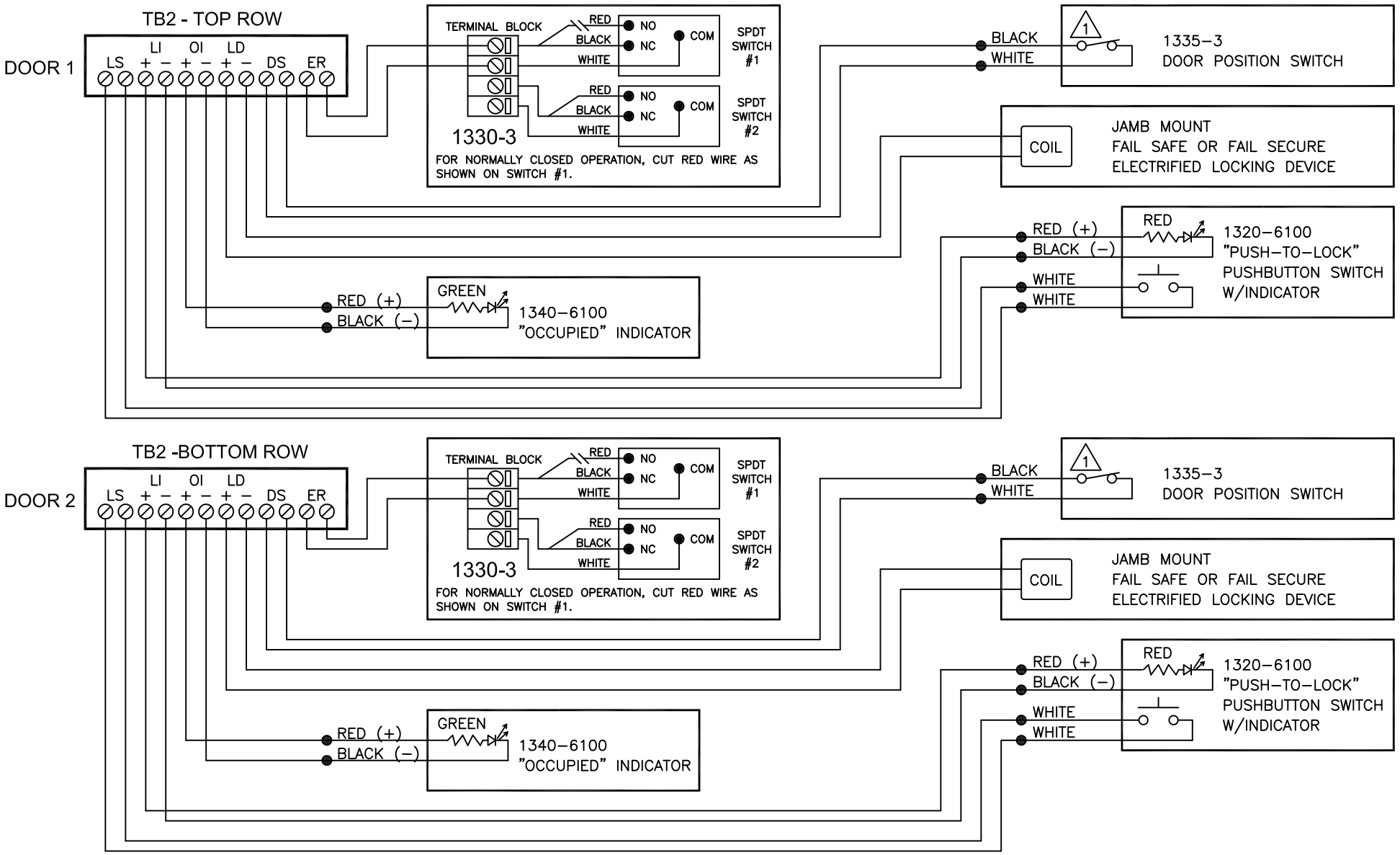
(6) 1400–6100 POWER SUPPLY*

*PART OF 6100 COMMON BATH PACKAGE

NOTES:

(1) TO 115V., 60HZ., 5A. SERVICE.

FIG. 2a

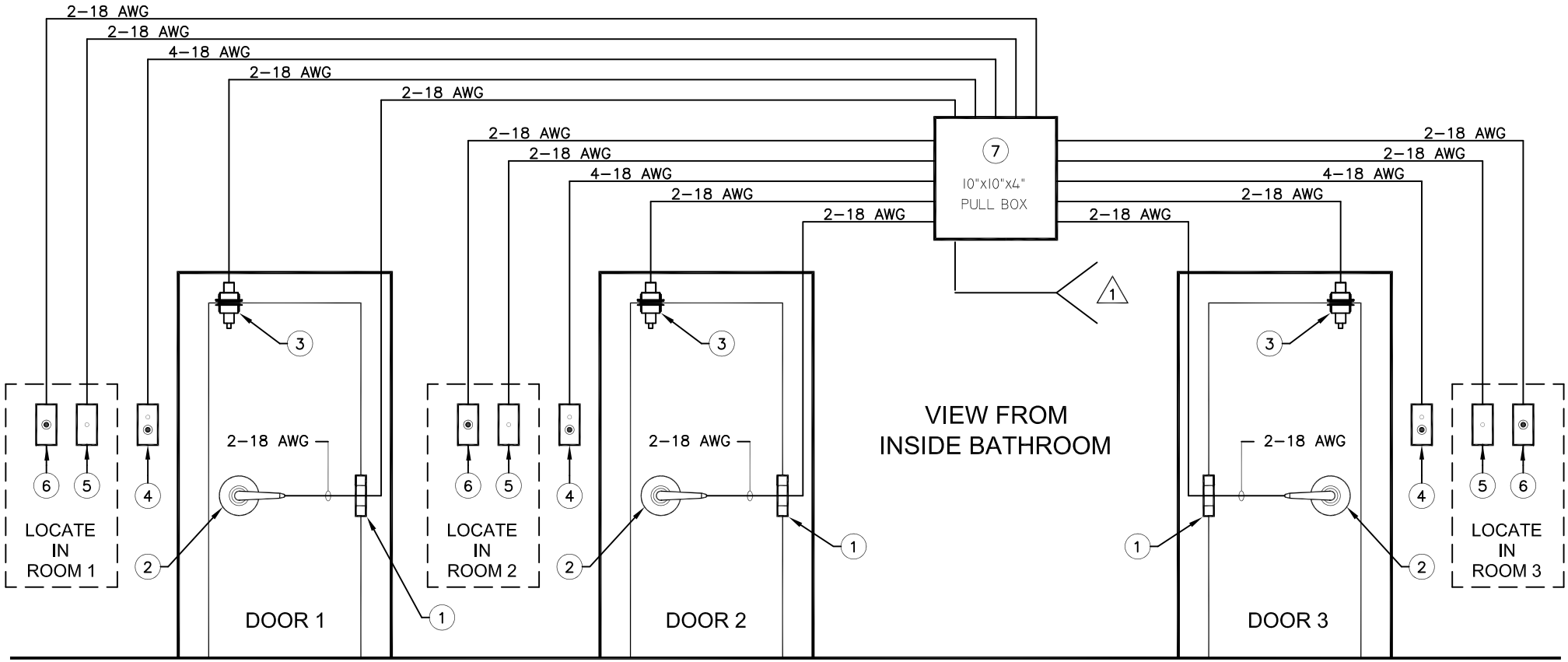


POINT-TO-POINT WIRE DIAGRAM FOR A COMMON BATH SYSTEM APPLICATION USING A JAMB MOUNTED ELECTRIFIED LOCKING DEVICE

FIG. 2b

NOTES:

1. DOOR POSITION SWITCH SHOWN CLOSED WITH DOOR IN CLOSED POSITION.



RISER DIAGRAM FOR A 3 DOOR COMMON BATH SYSTEM APPLICATION USING A DOOR MOUNTED ELECTRIFIED LOCKING DEVICE

SYSTEM COMPONENTS:

(1) ACSI MODEL 1104 ELECTRIC THRU–WIRE HINGE, OR OTHER POWER TRANSFER DEVICE

(2)
- ACSI SERIES M1500C FAIL SAFE OR FAIL SECURE ELECTRIFIED MORTISE LOCK
- ACSI SERIES C1500C FAIL SAFE OR FAIL SECURE ELECTRIFIED CYLINDRICAL LOCK
- MISCELLANEOUS ELECTRIFIED MORTISE OR CYLINDRICAL LOCK RATED 24VDC @ 1 AMP (MAX.)

(3) 1335–3 DOOR POSITION SWITCH*

(4) 1320–6100 "PUSH–TO–LOCK" SWITCH W/INDICATOR*

(5) 1340–6100 "OCCUPIED" INDICATOR*

(6) ACSI MODEL 1320–1 OPTIONAL EMERGENCY RELEASE PUSH–BUTTON SWITCH

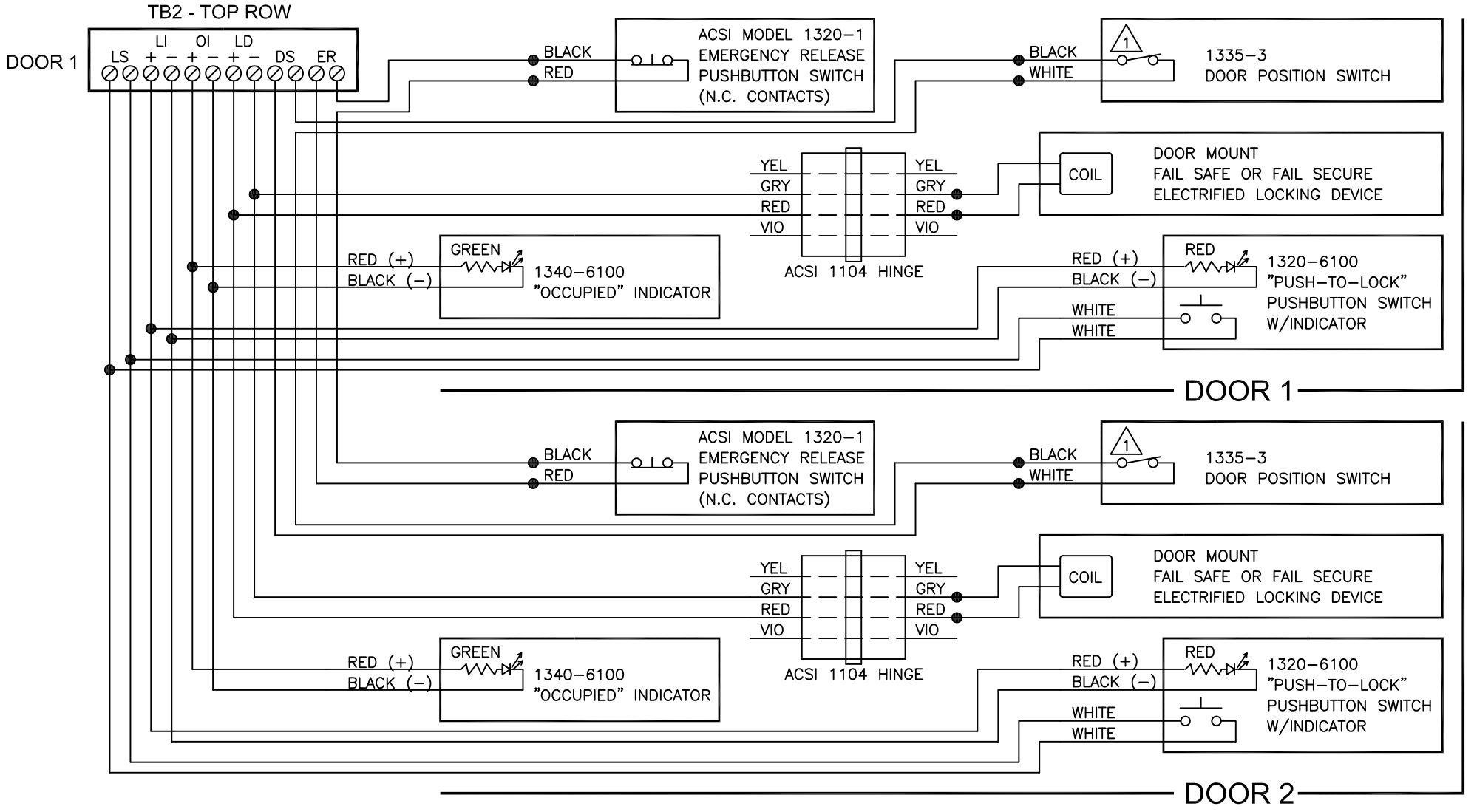
(7) 1400–6100 POWER SUPPLY*

*PART OF 6100 COMMON BATH PACKAGE

NOTES:

(1) TO 115V., 60HZ., 5A. SERVICE.

FIG. 3a

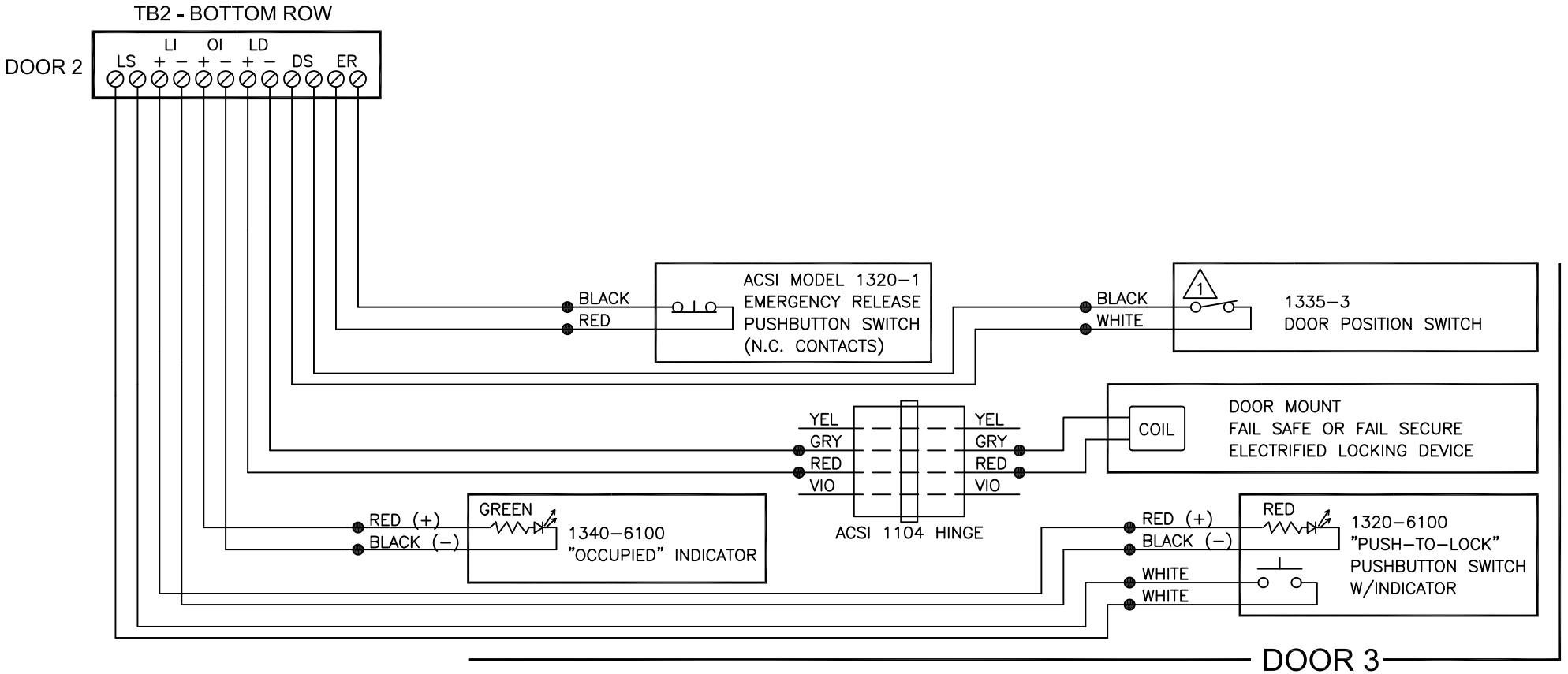


POINT-TO-POINT WIRE DIAGRAM FOR A 3 DOOR COMMON BATH SYSTEM APPLICATION USING A DOOR MOUNTED ELECTRIFIED LOCKING DEVICE

FIG. 3b

NOTES:

1. DOOR POSITION SWITCH SHOWN CLOSED WITH DOOR IN CLOSED POSITION.

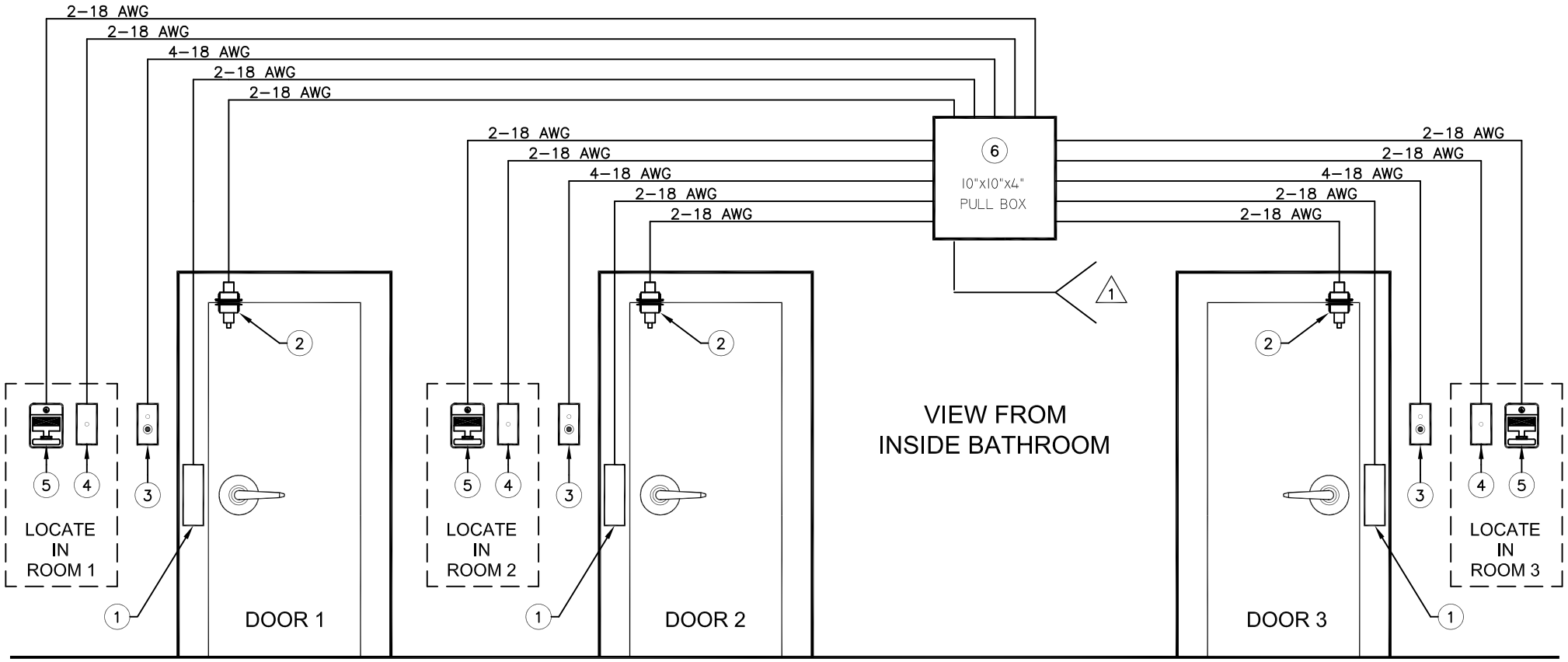


POINT-TO-POINT WIRE DIAGRAM FOR A 3 DOOR COMMON BATH SYSTEM APPLICATION USING A DOOR MOUNTED ELECTRIFIED LOCKING DEVICE

FIG. 3c

NOTES:

1. DOOR POSITION SWITCH SHOWN CLOSED WITH DOOR IN CLOSED POSITION.



RISER DIAGRAM FOR A 3 DOOR COMMON BATH SYSTEM APPLICATION USING A JAMB MOUNTED ELECTRIFIED LOCKING DEVICE

SYSTEM COMPONENTS:

(1) • ACSI SERIES 8500 FAIL SAFE OR FAIL SECURE GEMINI LOCKING SYSTEM
• ACSI SERIES 1700 FAIL SAFE OR FAIL SECURE ELECTRIC DOOR STRIKE
• MISCELLANEOUS ELECTRIC DOOR STRIKE RATED 24VDC @ 1 AMP (MAX.)

(2) 1335–3 DOOR POSITION SWITCH*

(3) 1320–6100 "PUSH–TO–LOCK" SWITCH W/INDICATOR*

(4) 1340–6100 "OCCUPIED" INDICATOR*

(5) ACSI MODEL 1330–3 OPTIONAL EMERGENCY RELEASE PULL STATION

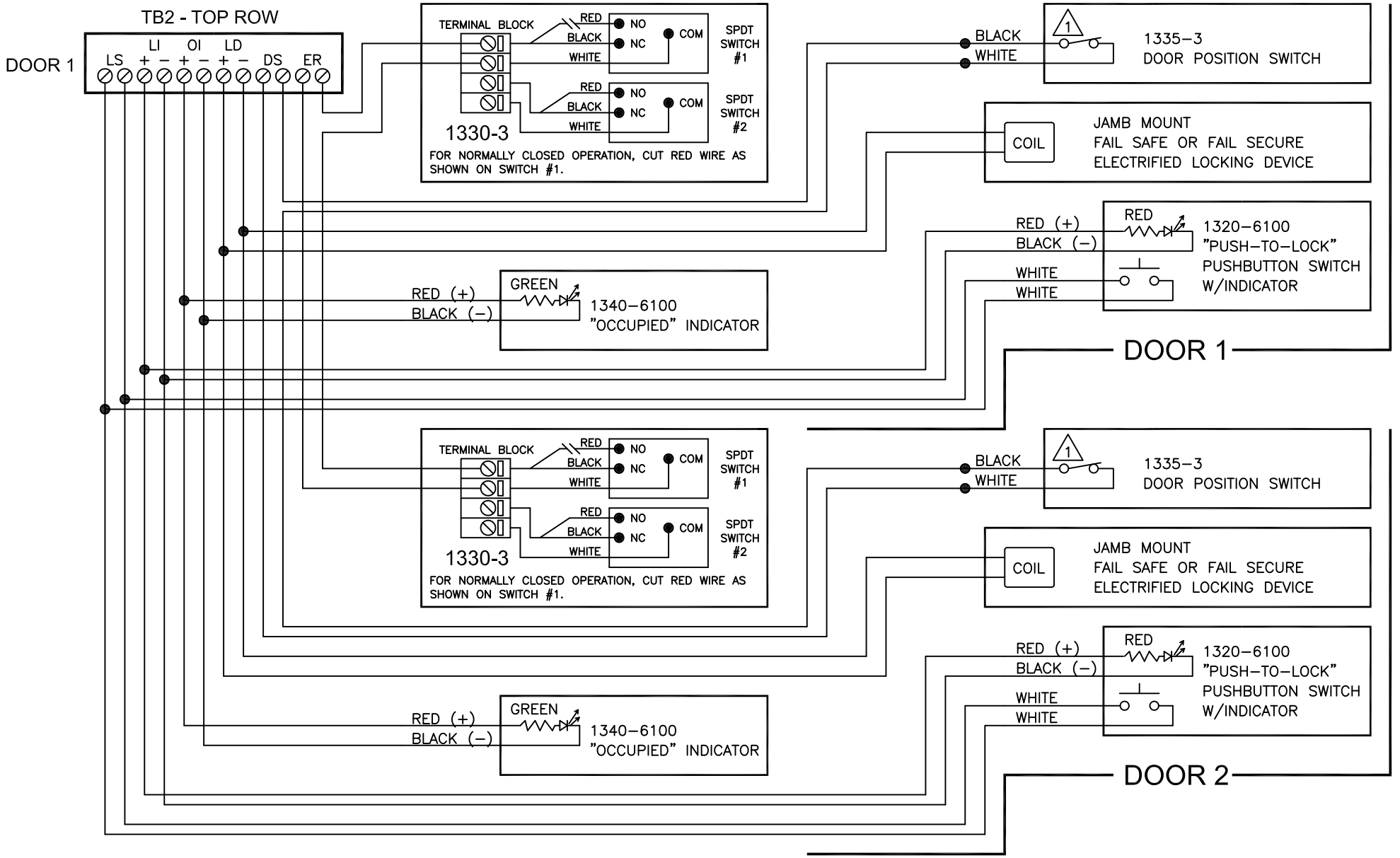
(6) 1400–6100 POWER SUPPLY*

*PART OF 6100 COMMON BATH PACKAGE

NOTES:

(1) TO 115V., 60HZ., 5A. SERVICE.

FIG. 4a

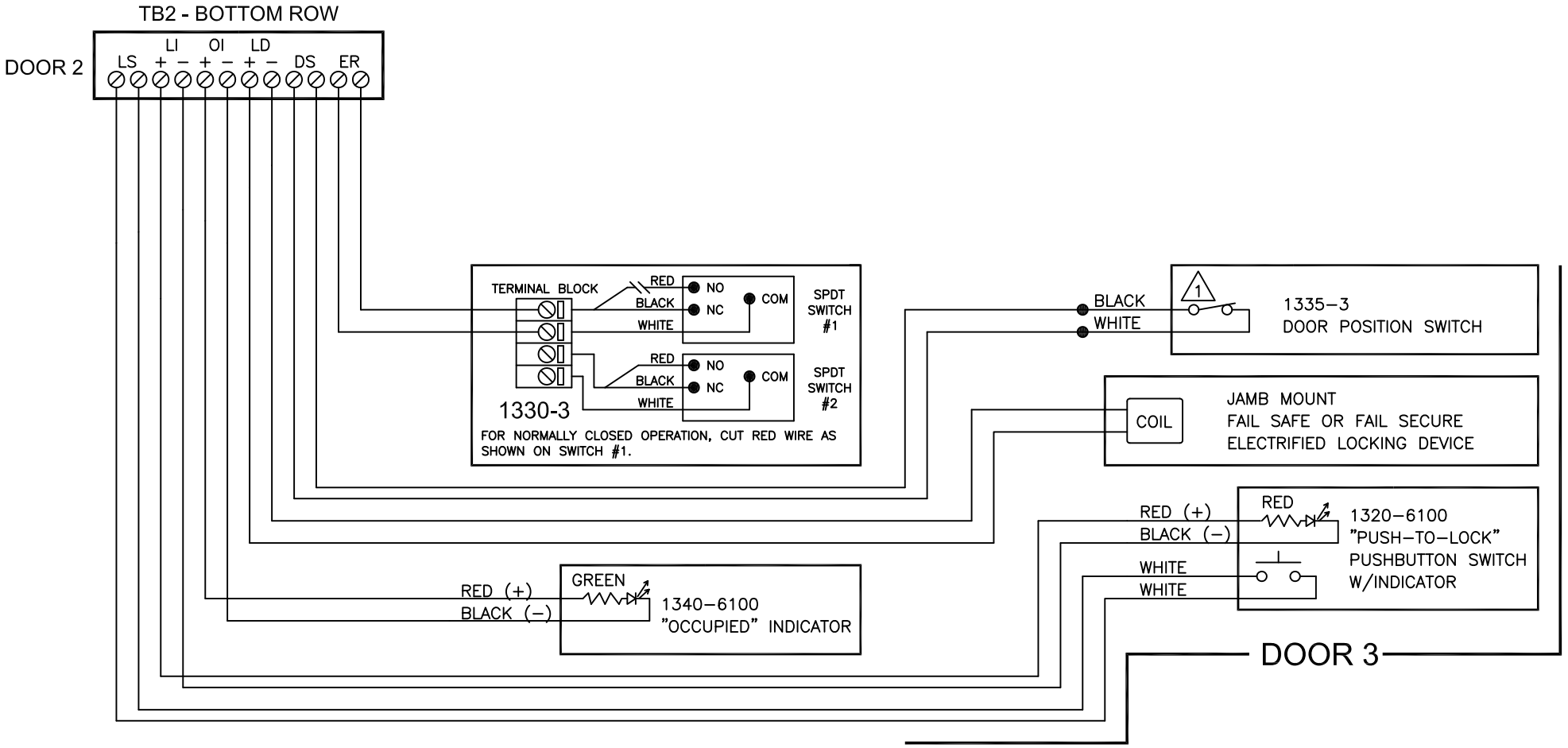


POINT-TO-POINT WIRE DIAGRAM FOR A 3 DOOR COMMON BATH SYSTEM APPLICATION USING A JAMB MOUNTED ELECTRIFIED LOCKING DEVICE

FIG. 4b

NOTES:

1. DOOR POSITION SWITCH SHOWN CLOSED WITH DOOR IN CLOSED POSITION.

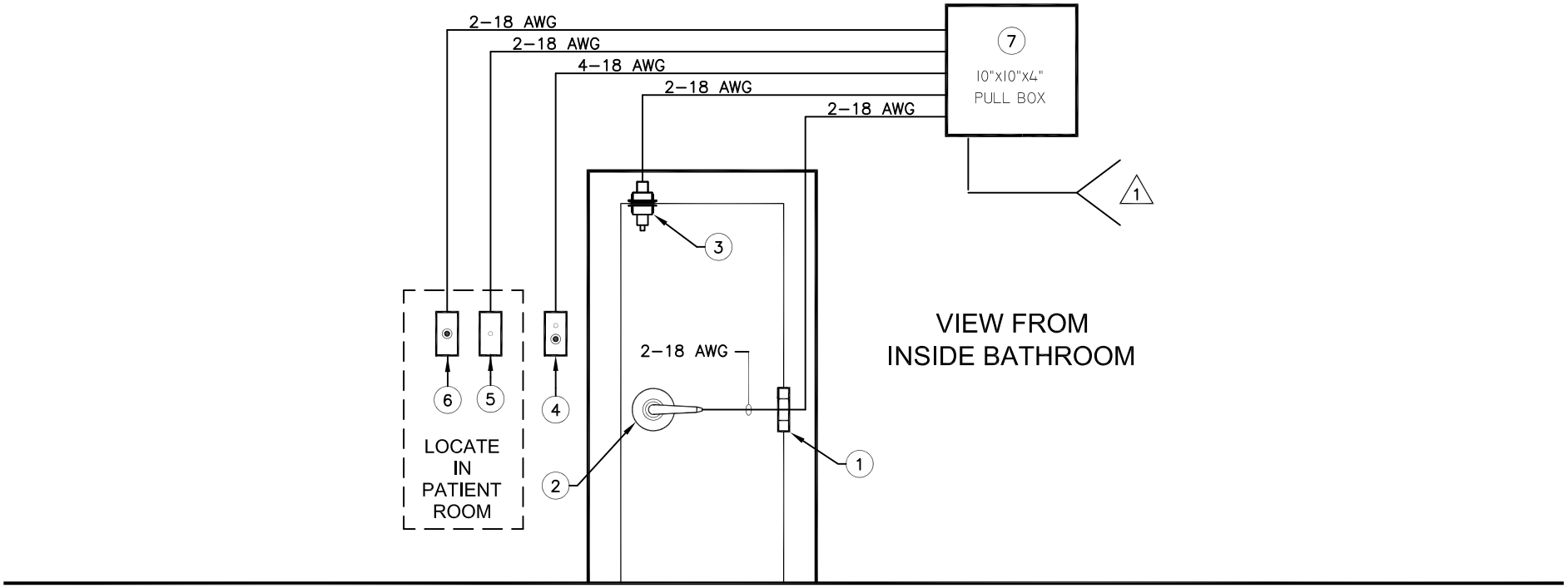


POINT-TO-POINT WIRE DIAGRAM FOR A 3 DOOR COMMON BATH SYSTEM APPLICATION USING A JAMB MOUNTED ELECTRIFIED LOCKING DEVICE

FIG. 4c

NOTES:

1. DOOR POSITION SWITCH SHOWN CLOSED WITH DOOR IN CLOSED POSITION.



RISER DIAGRAM FOR SINGLE DOOR COMMON BATH SYSTEM APPLICATION USING A DOOR MOUNTED ELECTRIFIED LOCKING DEVICE

SYSTEM COMPONENTS:

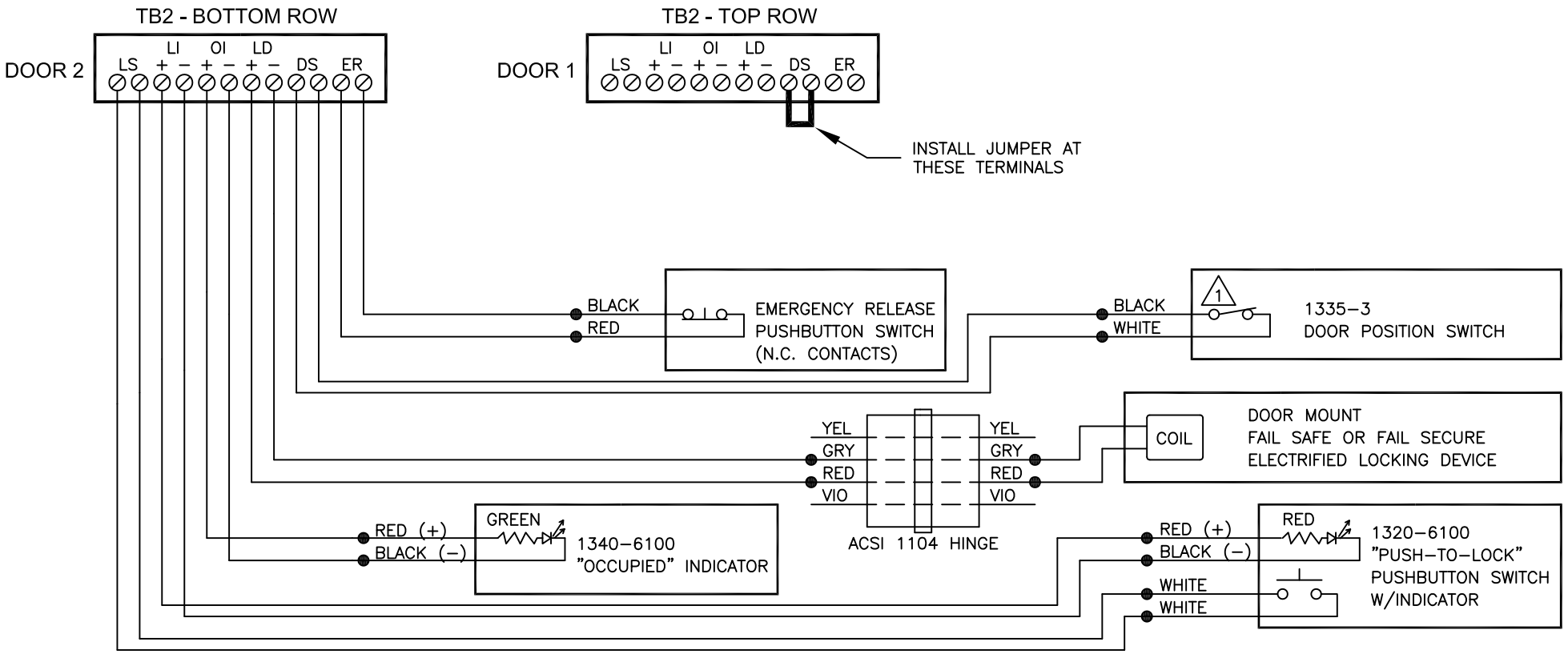
1. ACSI MODEL 1104 ELECTRIC THRU–WIRE HINGE, OR OTHER POWER TRANSFER DEVICE
2. • ACSI SERIES M1500C FAIL SAFE OR FAIL SECURE ELECTRIFIED MORTISE LOCK
   • ACSI SERIES C1500C FAIL SAFE OR FAIL SECURE ELECTRIFIED CYLINDRICAL LOCK
   • MISCELLANEOUS ELECTRIFIED MORTISE OR CYLINDRICAL LOCK RATED 24VDC @ 1 AMP (MAX.)
3. 1335–3 DOOR POSITION SWITCH*
4. 1320–6100 "PUSH–TO–LOCK" SWITCH W/INDICATOR*
5. 1340–6100 "OCCUPIED" INDICATOR*
6. ACSI MODEL 1320–1 OPTIONAL EMERGENCY RELEASE PUSH–BUTTON SWITCH
7. 1400–6100 POWER SUPPLY*

*PART OF 6100 COMMON BATH PACKAGE

NOTES:

1. TO 115V., 60HZ., 5A. SERVICE.

FIG. 5a

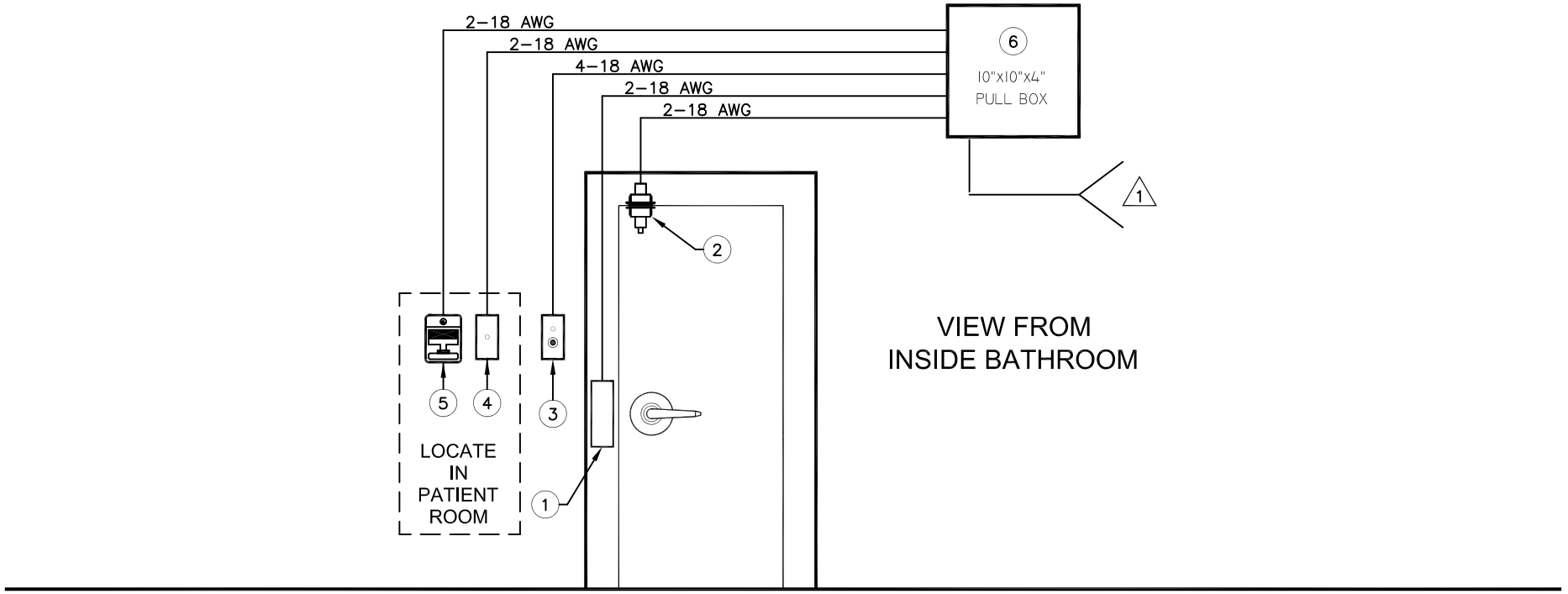


POINT-TO-POINT WIRE DIAGRAM FOR A SINGLE DOOR COMMON BATH SYSTEM APPLICATION USING A DOOR MOUNTED ELECTRIFIED LOCKING DEVICE

FIG. 5b

NOTES:

1. DOOR POSITION SWITCH SHOWN CLOSED WITH DOOR IN CLOSED POSITION.



RISER DIAGRAM FOR SINGLE DOOR COMMON BATH SYSTEM APPLICATION USING A JAMB MOUNTED ELECTRIFIED LOCKING DEVICE

SYSTEM COMPONENTS:

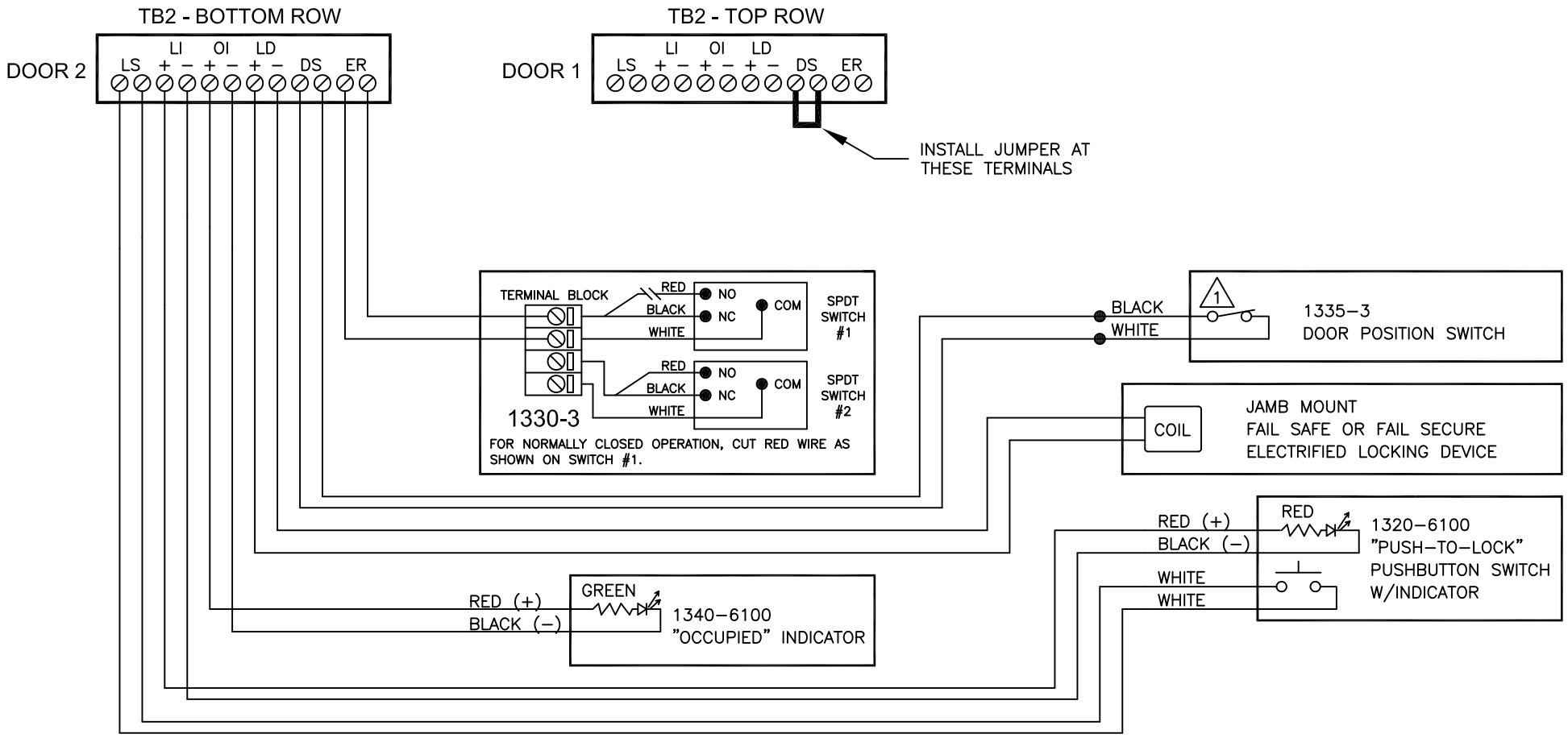
1. • ACSI SERIES 8500 FAIL SAFE OR FAIL SECURE GEMINI LOCKING SYSTEM
   • ACSI SERIES 1700 FAIL SAFE OR FAIL SECURE ELECTRIC DOOR STRIKE
   • MISCELLANEOUS ELECTRIC DOOR STRIKE RATED 24VDC @ 1 AMP (MAX.)
2. 1335–3 DOOR POSITION SWITCH*
3. 1320–6100 "PUSH–TO–LOCK" SWITCH W/INDICATOR*
4. 1340–6100 "OCCUPIED" INDICATOR*
5. ACSI MODEL 1330–3 OPTIONAL EMERGENCY RELEASE PULL STATION
6. 1400–6100 POWER SUPPLY*

*PART OF 6100 COMMON BATH PACKAGE

NOTES:

1. TO 115V., 60HZ., 5A. SERVICE.

FIG. 6a



POINT-TO-POINT WIRE DIAGRAM FOR A SINGLE DOOR COMMON BATH SYSTEM APPLICATION USING A JAMB MOUNTED ELECTRIFIED LOCKING DEVICE

FIG. 6b

NOTES:

1. DOOR POSITION SWITCH SHOWN CLOSED WITH DOOR IN CLOSED POSITION.

MODEL 1400-6100 POWER SUPPLY

ACCESS CONTROL POWER SUPPLY
CLASS 2 OUTPUTS

SECURITY
UL
LISTED
EQUIPMENT
4M73

MFG. DATE:

SPECIFICATIONS:

INPUT VOLTAGE:	120VAC/240VAC, 50/60Hz
AC CURRENT:	900mA/120VAC, 600mA/240VAC
OUTPUT VOLTAGE:	24VDC FILTERED, REGULATED
OUTPUT CURRENT:	2.0A
OUTPUT POWER:	48W
PROTECTION:	OVERLOAD, OVER VOLTAGE, SHORT CIRCUIT

USE INSTALLATION INSTRUCTIONS II - 1400-9

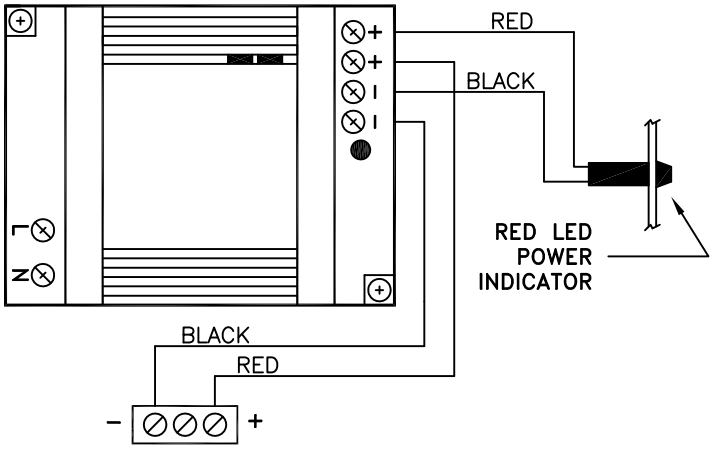
POWER SUPPLY INTENDED FOR INDOOR USE ONLY

STRIP WIRE BACK 6mm. WIRES MUST BE FULLY INSERTED INTO TERMINALS SO THAT NO BARE METAL IS EXPOSED. FLEXIBLE CABLE: ALL STRANDS MUST BE SECURED IN TERMINAL. USE COPPER CONDUCTORS ONLY.

TERMINAL SIZE RANGE:
AWG24–10 FOR A TYPE
AWG24–14 FOR B TYPE

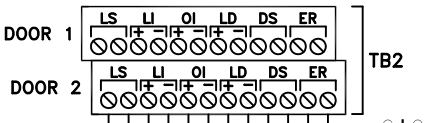
120VAC OR 240VAC INPUT

CLASS 2 DOUBLE INSULATION.
NO EARTH GROUND WIRE REQUIRED.



CONTROL BOARD 24V POWER CONNECTOR J1

CONTROL BOARD I/O CONNECTOR



EMERGENCY RELEASE SWITCH (DISABLED BY DEFAULT – REFER TO INSTALLATION INSTRUCTIONS). MOMENTARY OPENING OF SWITCH CONTACTS RESTORES DOORS 1 AND 2 TO AN UNLOCKED CONDITION AND EXTINGUISHES ALL STATUS INDICATORS.

DOOR POSITION SWITCH (SHOWN CLOSED WITH DOOR IN CLOSED POSITION). OPENING DOOR RESTORES DOORS 1 AND 2 TO AN UNLOCKED CONDITION AND EXTINGUISHES ALL STATUS INDICATORS.

FAIL SAFE OR FAIL SECURE ELECTRIFIED LOCKING DEVICE (FIELD SELECTABLE – REFER TO INSTALLATION INSTRUCTIONS).

GREEN LED "OCCUPIED" STATUS INDICATOR (LOCATED OUTSIDE BATHROOM).

RED LED "DOORS LOCKED" STATUS INDICATOR (LOCATED INSIDE BATHROOM).

"PUSH TO LOCK" SWITCH (LOCATED INSIDE BATHROOM). MOMENTARY CLOSING OF SWITCH LOCKS OUTSIDE TRIM AT DOORS 1 & 2 AND TURNS ON ALL STATUS INDICATORS.

NOTE 1: CONNECTIONS TO DOOR 1 TERMINALS ARE IDENTICAL TO CONNECTIONS MADE AT DOOR 2.
NOTE 2: THE SUM OF ALL OUTPUTS CANNOT EXCEED 2 AMPS.
NOTE 3: REFER TO FIGURES 1 – 6 IN THE INSTALLATION INSTRUCTIONS MANUAL FOR COMPLETE RISER AND POINT–TO–POINT WIRING DIAGRAMS.

FOR TROUBLE SHOOTING ASSISTANCE,
CONTACT ACSI TECHNICAL SUPPORT:
1-800-753-5558

REV. 06/15

ACSI
ARCHITECTURAL CONTROL SYSTEMS INC.