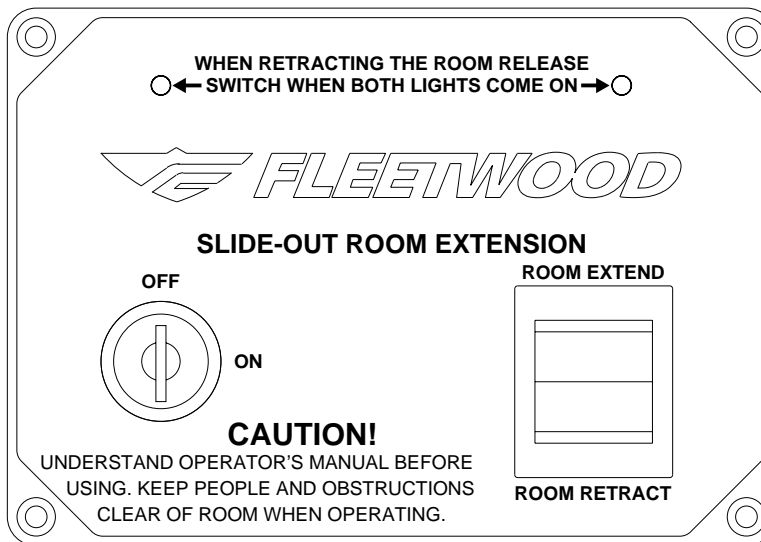




# AUTOMATIC TRAVEL CLAMP SCHEMATICS FLEETWOOD NO HWH ROOMS OR LEVELING SYSTEM



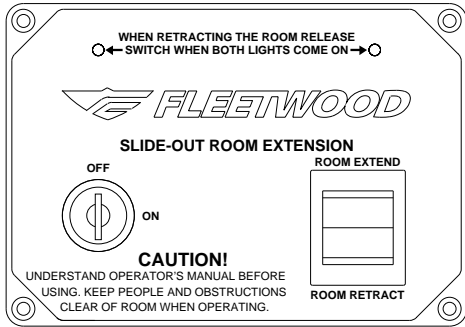
**CONTROL BOX AP34567 WITH A  
SERIAL NUMBER 9,999 OR SMALLER**

**HWH CORPORATION**  
(On I-80, Exit 267 South)  
2096 Moscow Road | Moscow, Iowa 52760  
Ph: 800/321-3494 (or) 563/724-3396 | Fax: 563/724-3408  
[www.hwh.com](http://www.hwh.com)

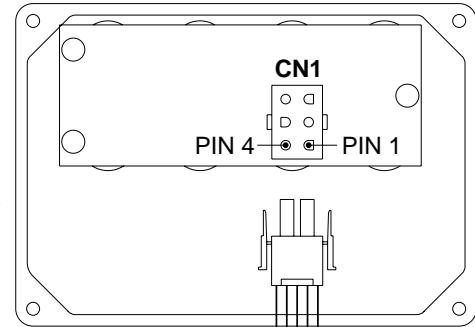
# ELECTRICAL CONNECTION DIAGRAM

## ROOM CLAMP CONNECTIONS

### ROOM CONTROL PANEL ROOMS WITH TRAVEL CLAMPS

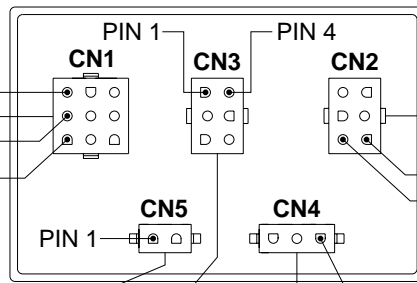


### (REVERSE) ROOM CONTROL PANEL



**NOTE: CONNECTIONS ARE THE SAME FOR ALL ROOMS WITH TRAVEL CLAMPS. HARNESSES ARE SUPPLIED BY VEHICLE MANUFACTURER**

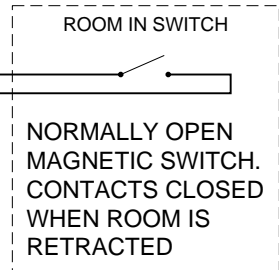
### CLAMP CONTROL BOX



POWER AND GROUND INPUT FOR CLAMP CONTROL BOX. SWITCHED +12 TO ROOM MECHANISM FOR EXTEND AND RETRACT

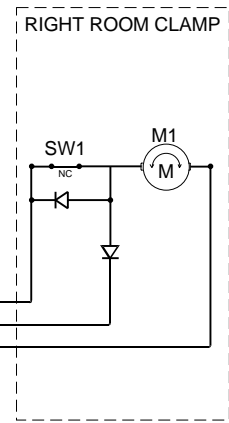
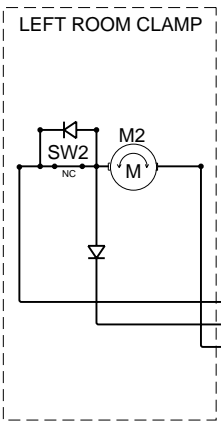
+12 POWER SUPPLIED BY MANUFACTURER

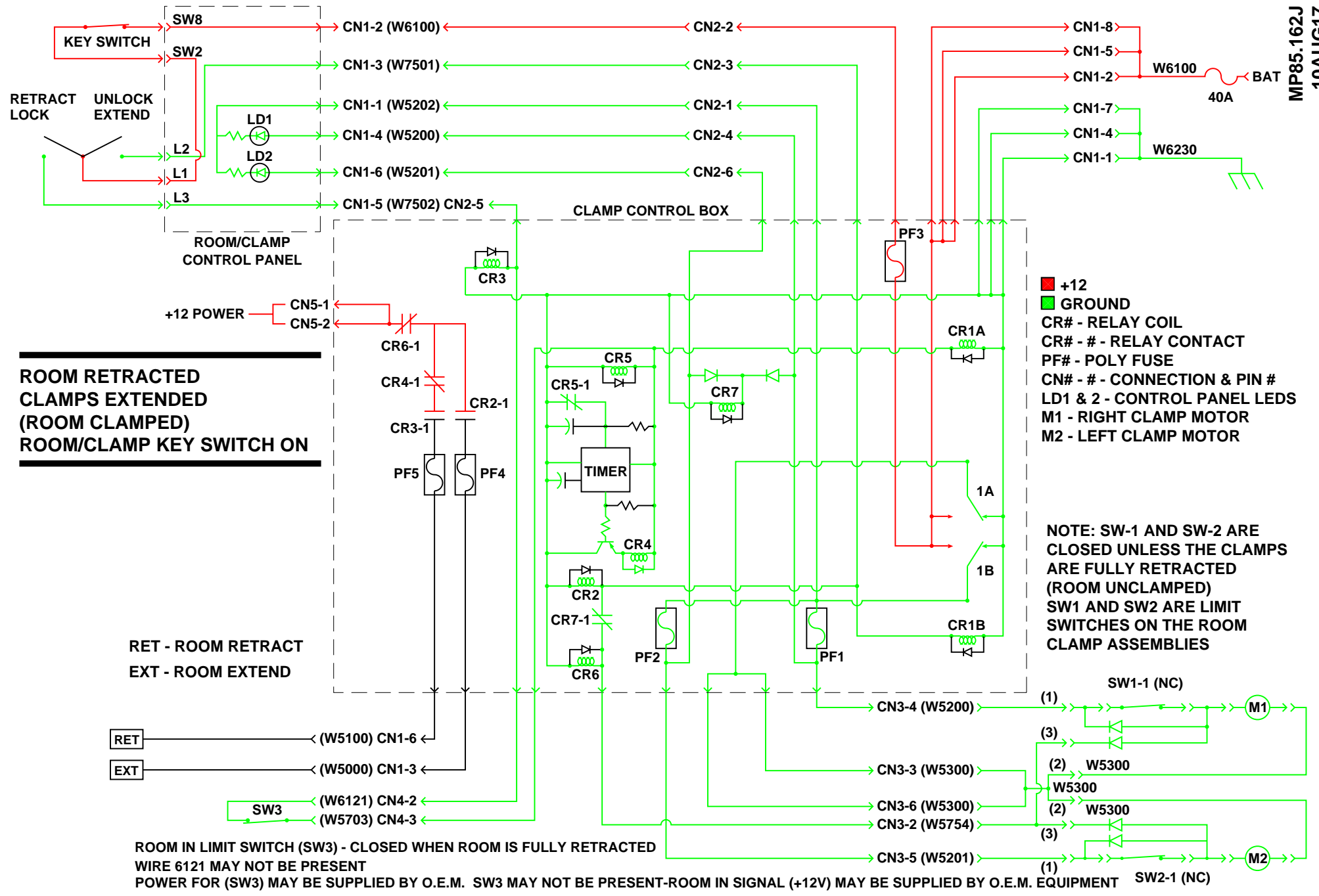
ROOM IN SWITCH MAY NOT BE PRESENT. ROOM IN SIGNAL (+12) MAY BE SUPPLIED BY O.E.M. EQUIPMENT.

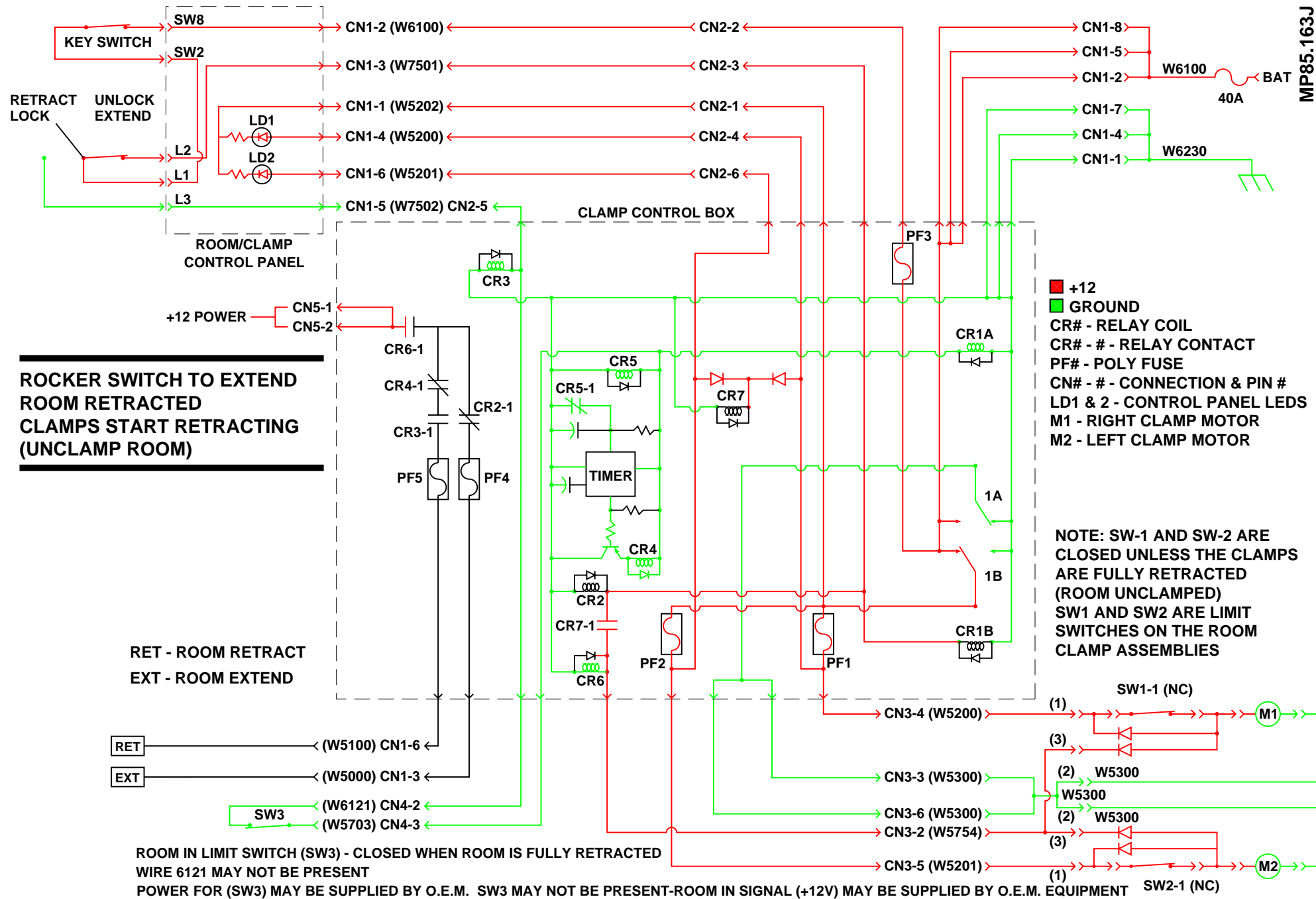


**NOTE: SW1 AND SW2 CLAMP LIMIT SWITCHES ARE OPEN WHEN THE CLAMP IS FULLY RETRACTED.**

**NOTE: CN4 MAY ONLY HAVE ONE WIRE FOR PIN 3. POWER FOR THE ROOM IN SWITCH MAY BE SUPPLIED BY O.E.M.**







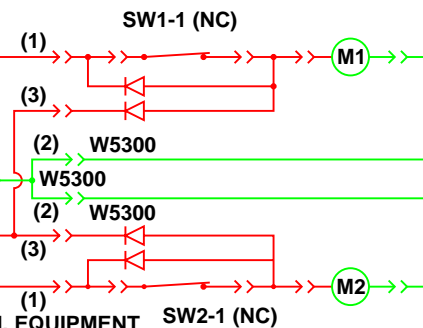
**ROCKER SWITCH TO EXTEND  
ROOM RETRACTED  
CLAMPS START RETRACTING  
(UNCLAMP ROOM)**

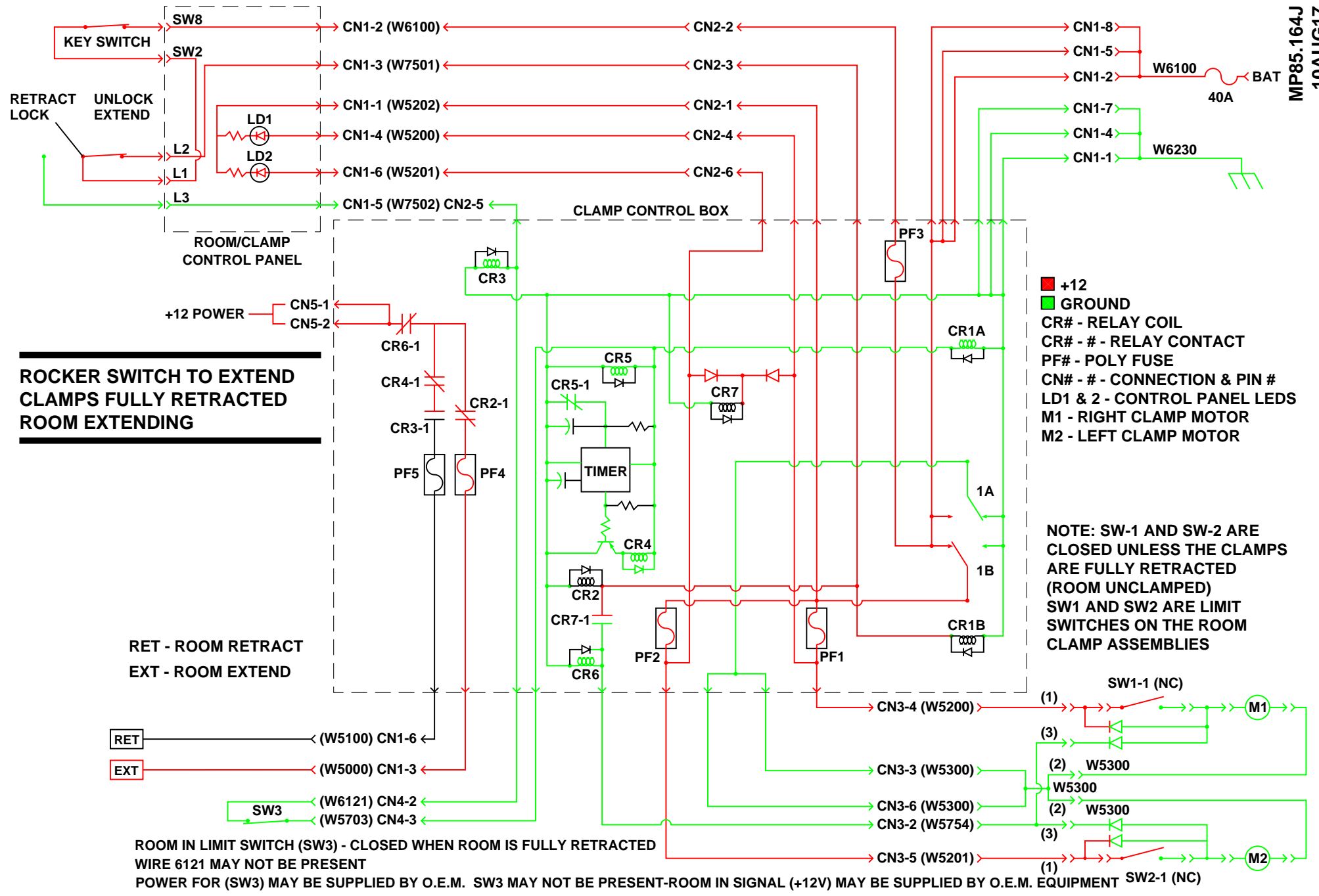
RET - ROOM RETRACT  
EXT - ROOM EXTEND

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED  
WIRE 6121 MAY NOT BE PRESENT  
POWER FOR (SW3) MAY BE SUPPLIED BY O.E.M. SW3 MAY NOT BE PRESENT-ROOM IN SIGNAL (+12V) MAY BE SUPPLIED BY O.E.M. EQUIPMENT

- +12
- GROUND
- CR# - RELAY COIL
- CR# - # - RELAY CONTACT
- PF# - POLY FUSE
- CN# - # - CONNECTION & PIN #
- LD1 & 2 - CONTROL PANEL LEDs
- M1 - RIGHT CLAMP MOTOR
- M2 - LEFT CLAMP MOTOR

NOTE: SW-1 AND SW-2 ARE CLOSED UNLESS THE CLAMPS ARE FULLY RETRACTED (ROOM UNCLAMPED)  
SW1 AND SW2 ARE LIMIT SWITCHES ON THE ROOM CLAMP ASSEMBLIES





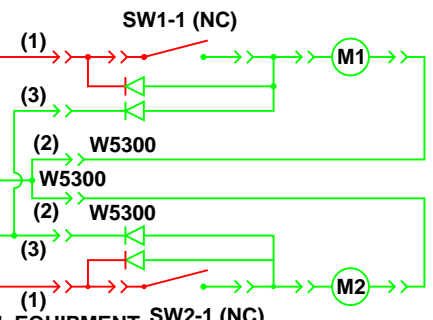
**ROCKER SWITCH TO EXTEND  
CLAMPS FULLY RETRACTED  
ROOM EXTENDING**

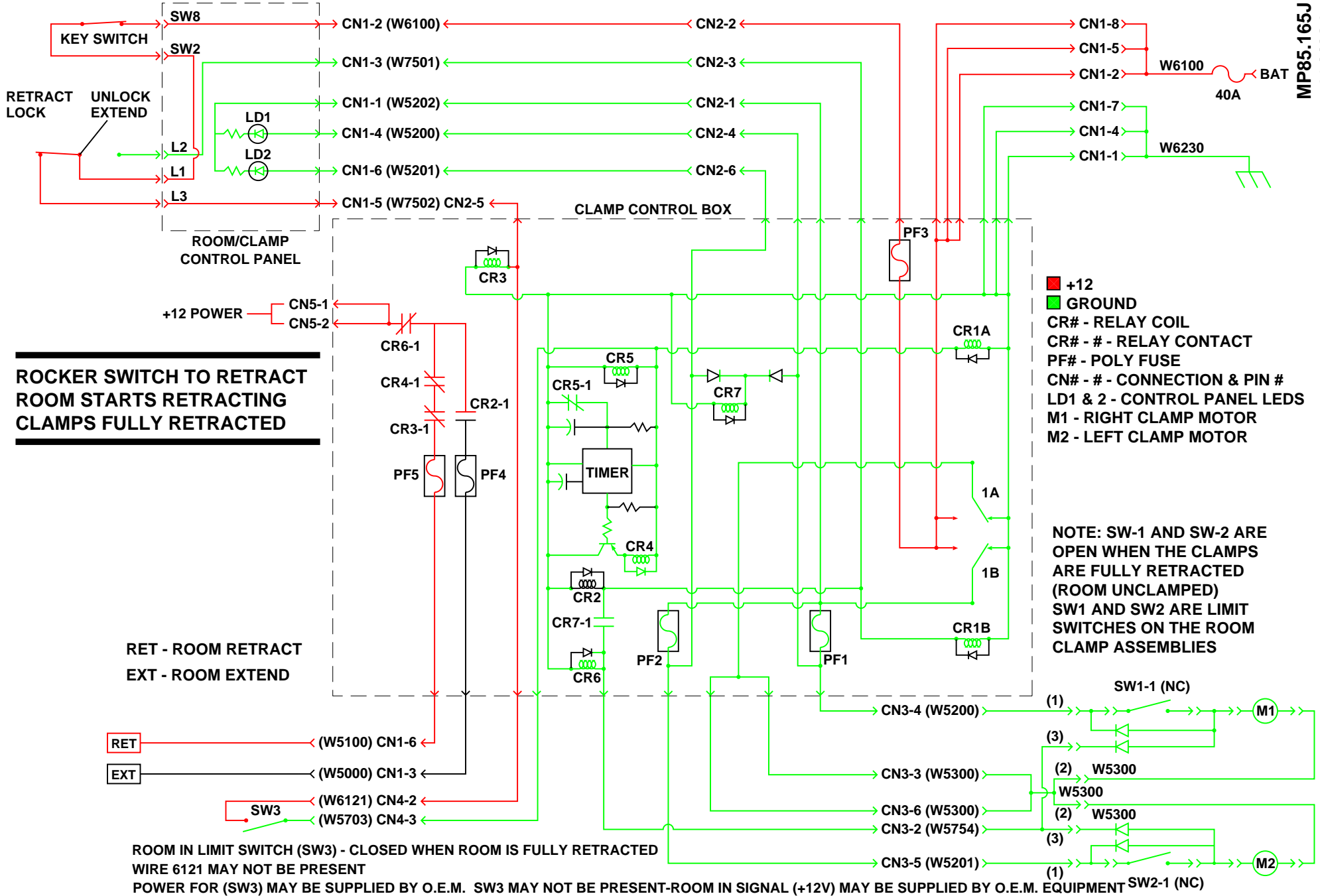
RET - ROOM RETRACT  
EXT - ROOM EXTEND

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED  
WIRE 6121 MAY NOT BE PRESENT  
POWER FOR (SW3) MAY BE SUPPLIED BY O.E.M. SW3 MAY NOT BE PRESENT-ROOM IN SIGNAL (+12V) MAY BE SUPPLIED BY O.E.M. EQUIPMENT SW2-1 (NC)

- +12
- GROUND
- CR# - RELAY COIL
- CR# - # - RELAY CONTACT
- PF# - POLY FUSE
- CN# - # - CONNECTION & PIN #
- LD1 & 2 - CONTROL PANEL LEDS
- M1 - RIGHT CLAMP MOTOR
- M2 - LEFT CLAMP MOTOR

NOTE: SW-1 AND SW-2 ARE CLOSED UNLESS THE CLAMPS ARE FULLY RETRACTED (ROOM UNCLAMPED)  
SW1 AND SW2 ARE LIMIT SWITCHES ON THE ROOM CLAMP ASSEMBLIES



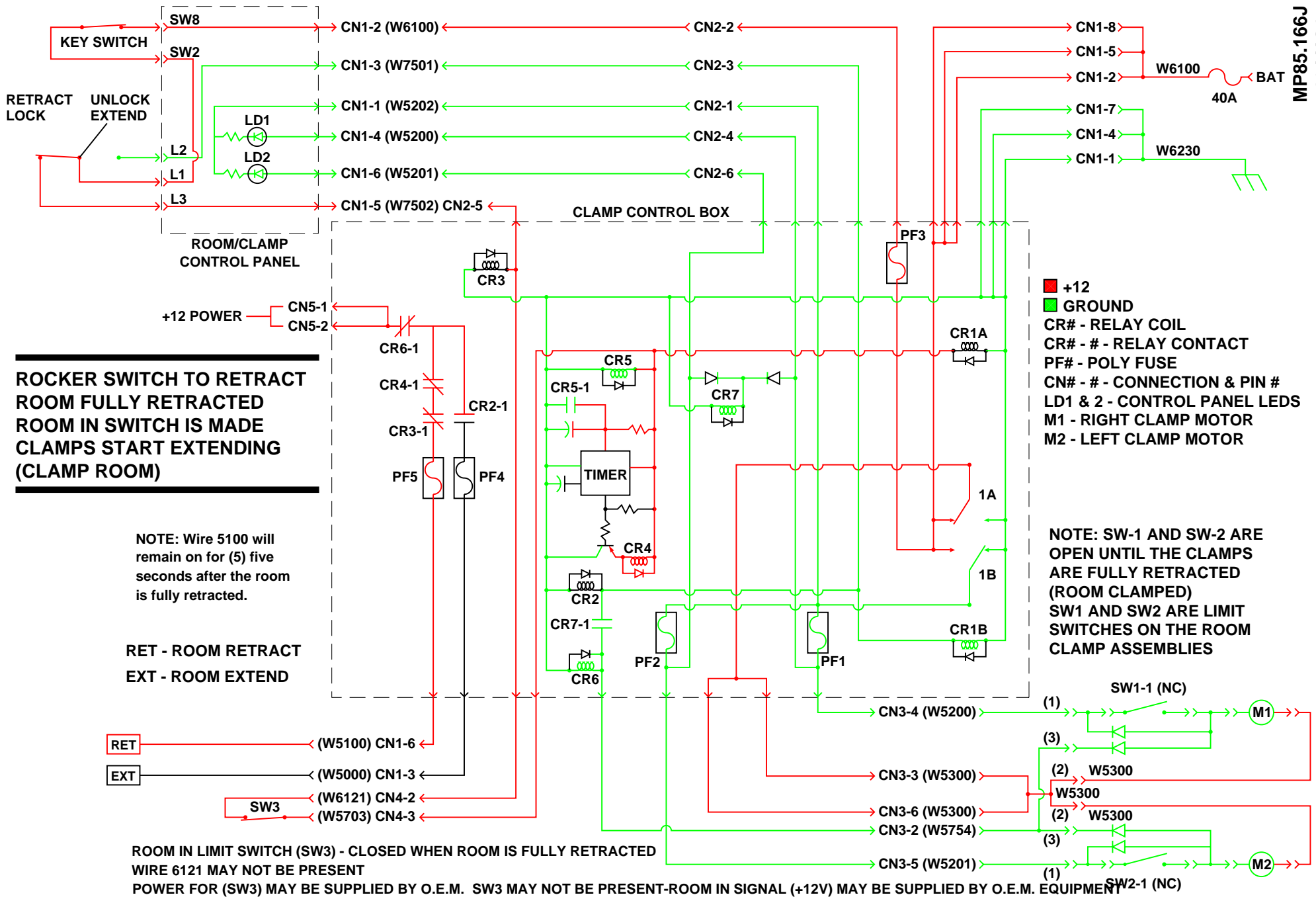


**ROCKER SWITCH TO RETRACT ROOM STARTS RETRACTING CLAMPS FULLY RETRACTED**

RET - ROOM RETRACT  
EXT - ROOM EXTEND

RET  
EXT

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED  
WIRE 6121 MAY NOT BE PRESENT  
POWER FOR (SW3) MAY BE SUPPLIED BY O.E.M. SW3 MAY NOT BE PRESENT-ROOM IN SIGNAL (+12V) MAY BE SUPPLIED BY O.E.M. EQUIPMENT SW2-1 (NC)



**ROCKER SWITCH TO RETRACT ROOM FULLY RETRACTED ROOM IN SWITCH IS MADE CLAMPS START EXTENDING (CLAMP ROOM)**

NOTE: Wire 5100 will remain on for (5) five seconds after the room is fully retracted.

RET - ROOM RETRACT  
EXT - ROOM EXTEND

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED  
WIRE 6121 MAY NOT BE PRESENT  
POWER FOR (SW3) MAY BE SUPPLIED BY O.E.M. SW3 MAY NOT BE PRESENT-ROOM IN SIGNAL (+12V) MAY BE SUPPLIED BY O.E.M. EQUIPMENT

■ +12  
■ GROUND  
 CR# - RELAY COIL  
 CR# - # - RELAY CONTACT  
 PF# - POLY FUSE  
 CN# - # - CONNECTION & PIN #  
 LD1 & 2 - CONTROL PANEL LEDs  
 M1 - RIGHT CLAMP MOTOR  
 M2 - LEFT CLAMP MOTOR

NOTE: SW-1 AND SW-2 ARE OPEN UNTIL THE CLAMPS ARE FULLY RETRACTED (ROOM CLAMPED)  
SW1 AND SW2 ARE LIMIT SWITCHES ON THE ROOM CLAMP ASSEMBLIES

SW2-1 (NC)

