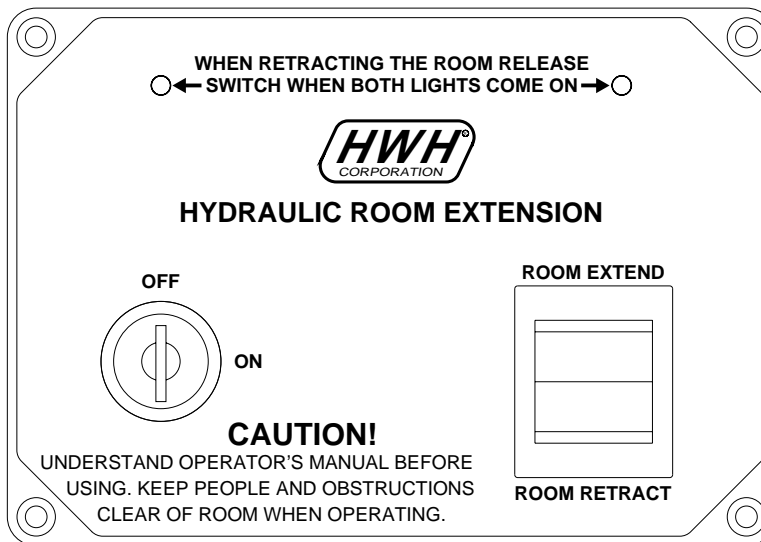




**AUTOMATIC TRAVEL CLAMP SCHEMATICS  
WITH HWH ROOM EXTENSIONS  
325 / 625 LEVELING SYSTEMS  
OR  
NO LEVELING SYSTEM**



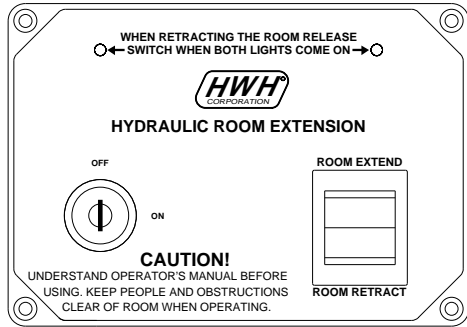
**CONTROL BOX AP29038**

**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)

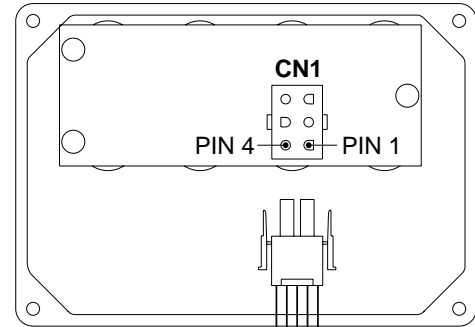
# ELECTRICAL CONNECTION DIAGRAM

## ROOM CLAMP CONNECTIONS

### ROOM CONTROL PANEL ROOMS WITH TRAVEL CLAMPS

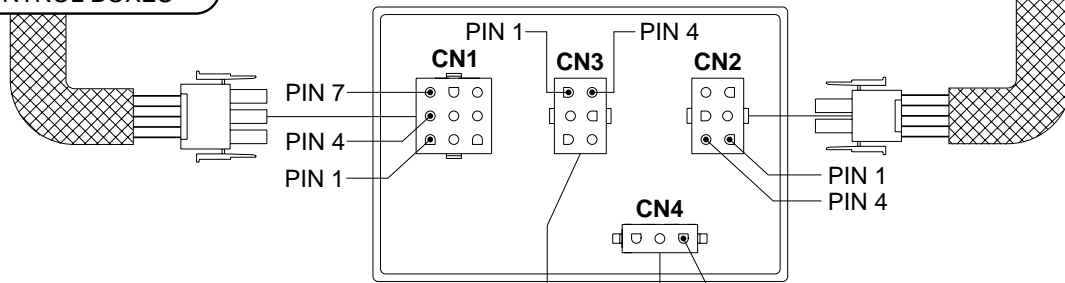


### (REVERSE) ROOM CONTROL PANEL



TO CN1 - CN2 OR CN3  
ON 325 AND 625 MAIN  
CONTROL BOXES

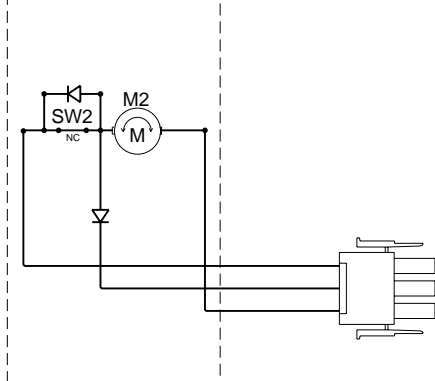
### CLAMP CONTROL BOX



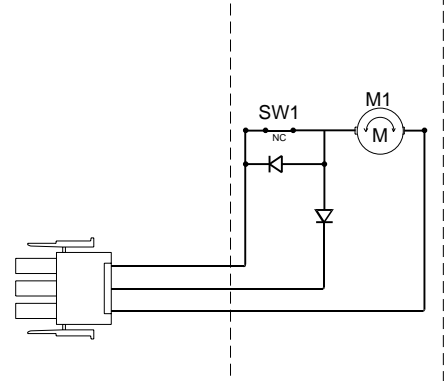
TO ROOM IN SWITCH.  
NORMALLY OPEN  
MAGNETIC SWITCH.  
CONTACTS CLOSED  
WHEN ROOM IS  
RETRACTED

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

### LEFT ROOM CLAMP



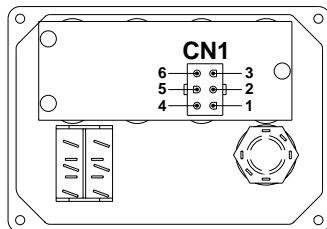
### RIGHT ROOM CLAMP



# ELECTRICAL CONNECTION DIAGRAM

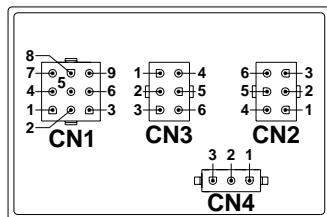
## ROOM CONTROL PANEL - TRAVEL CLAMP CONTROL BOX - PIN OUTS

### ROOM CONTROL PANEL

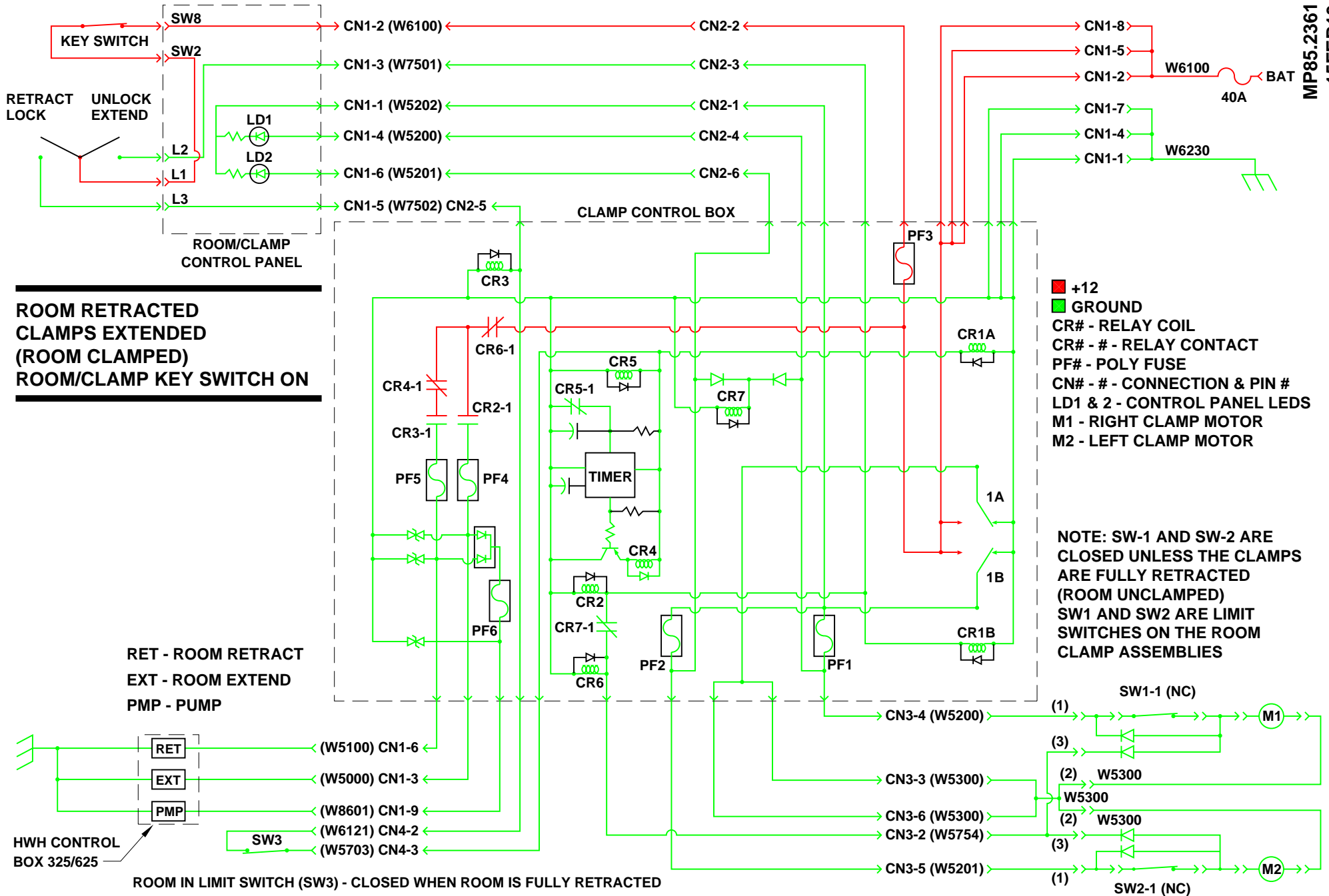


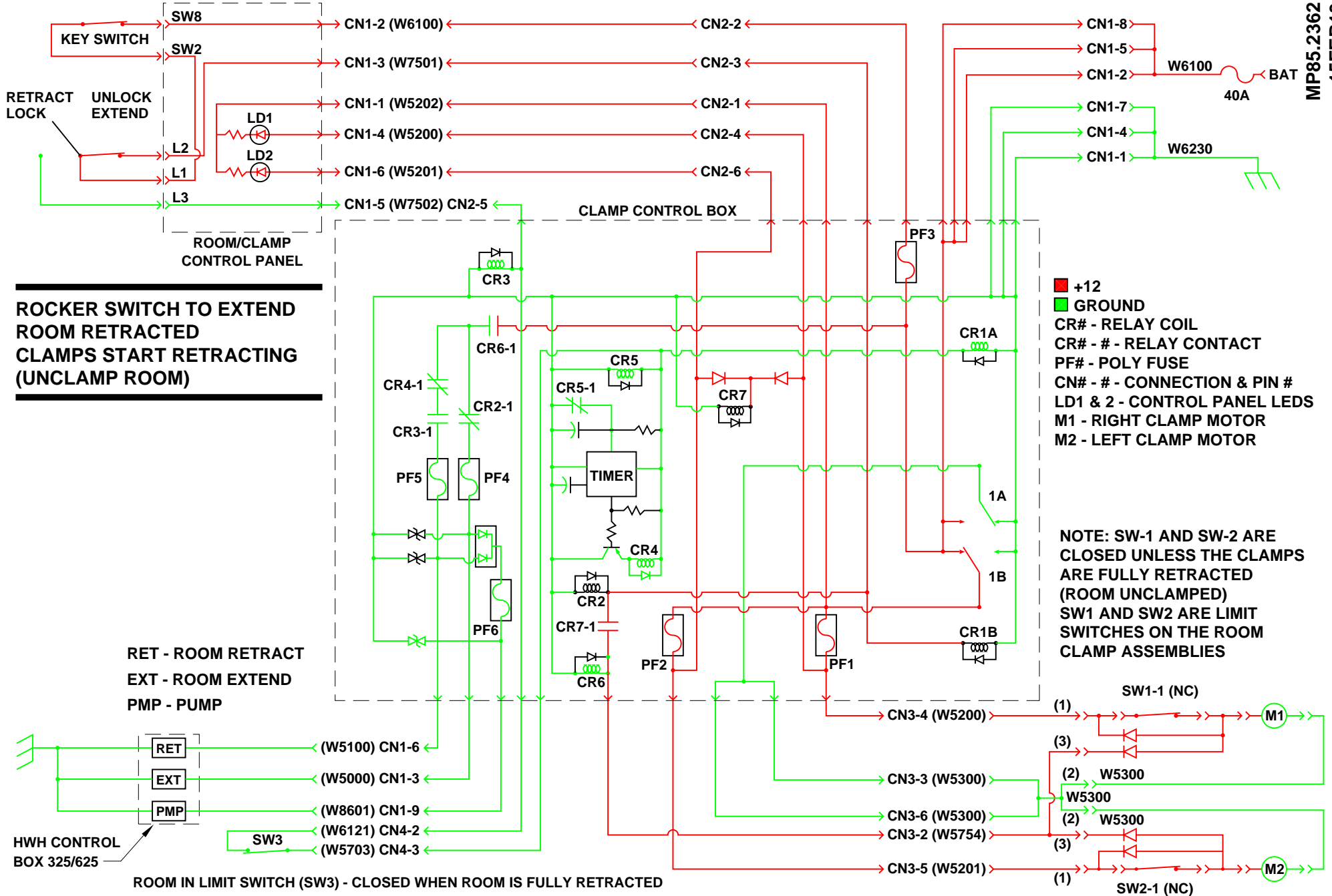
PIN #	WIRE COLOR	WIRE NUMBER	WIRE DESCRIPTION AND FUNCTION
<b>CN1</b>			<b>6 PIN UML CONNECTOR</b>
1	BLACK	5202	GROUND FOR ROOM PANEL INDICATOR LIGHTS RETRACT ONLY
2	RED	6100	+12 BATTERY TO ROOM CONTROL PANEL
3	BLACK	7501	SWITCHED +12 TO ROOM CLAMP CONTROL BOX ROOM EXTEND
4	BLACK	5200	+12 FOR RIGHT ROOM CLAMP INDICATOR LIGHT CLAMP EXTENDED
5	BLACK	7502	SWITCHED +12 TO ROOM CLAMP CONTROL BOX ROOM RETRACT
6	BLACK	5201	+12 FOR LEFT ROOM CLAMP INDICATOR LIGHT CLAMP EXTENDED

### TRAVEL CLAMP CONTROL BOX



PIN #	WIRE COLOR	WIRE NUMBER	WIRE DESCRIPTION AND FUNCTION
<b>CN1</b>			<b>9 PIN UML CONNECTOR</b>
1	WHITE	6230	GROUND TO ROOM CLAMP CONTROL BOX
2	RED	6100	+12 BATTERY TO ROOM CLAMP CONTROL BOX
3	BLACK	5000	SWITCHED +12 TO MAIN CONTROL BOX ROOM EXTEND
4	WHITE	6230	GROUND TO ROOM CLAMP CONTROL BOX
5	RED	6100	+12 BATTERY TO ROOM CLAMP CONTROL BOX
6	BLACK	5100	SWITCHED +12 TO MAIN CONTROL BOX ROOM RETRACT
7	WHITE	6230	GROUND TO ROOM CLAMP CONTROL BOX
8	RED	6100	+12 BATTERY TO ROOM CLAMP CONTROL BOX
9	BLACK	8601	SWITCHED +12 TO MAIN CONTROL BOX PUMP CONTROL
<b>CN2</b>			<b>6 PIN UML CONNECTOR</b>
1	BLACK	5202	GROUND FOR ROOM PANEL INDICATOR LIGHTS RETRACT ONLY
2	RED	6100	+12 BATTERY TO ROOM CONTROL PANEL
3	BLACK	7501	SWITCHED +12 TO ROOM CLAMP CONTROL BOX ROOM EXTEND
4	BLACK	5200	+12 FOR RIGHT ROOM CLAMP INDICATOR LIGHT CLAMP EXTENDED
5	BLACK	7502	SWITCHED +12 TO ROOM CLAMP CONTROL BOX ROOM RETRACT
6	BLACK	5201	+12 FOR LEFT ROOM CLAMP INDICATOR LIGHT CLAMP EXTENDED
<b>CN3</b>			<b>6 PIN UML CONNECTOR</b>
1			NO CONNECTION
2	BLACK	5754	CLAMP LIMIT SWITCHES - (+12) WITH CLAMP EXTENDED
3	BLACK	5300	CLAMP EXTEND (+12) - CLAMP RETRACT (GROUND)
4	BLACK	5200	RIGHT CLAMP RETRACT (+12) - RIGHT CLAMP EXTEND (GROUND)
5	BLACK	5201	LEFT CLAMP RETRACT (+12) - LEFT CLAMP EXTEND (GROUND)
6	BLACK	5300	CLAMP EXTEND (+12) - CLAMP RETRACT (GROUND)
<b>CN4</b>			<b>3 PIN UML CONNECTOR</b>
1			NO CONNECTION
2	BLACK	6121	SWITCHED +12 BATTERY TO ROOM IN SWITCH (RETRACT ONLY)
3	BLACK	5703	SWITCHED +12 WITH ROOM IN





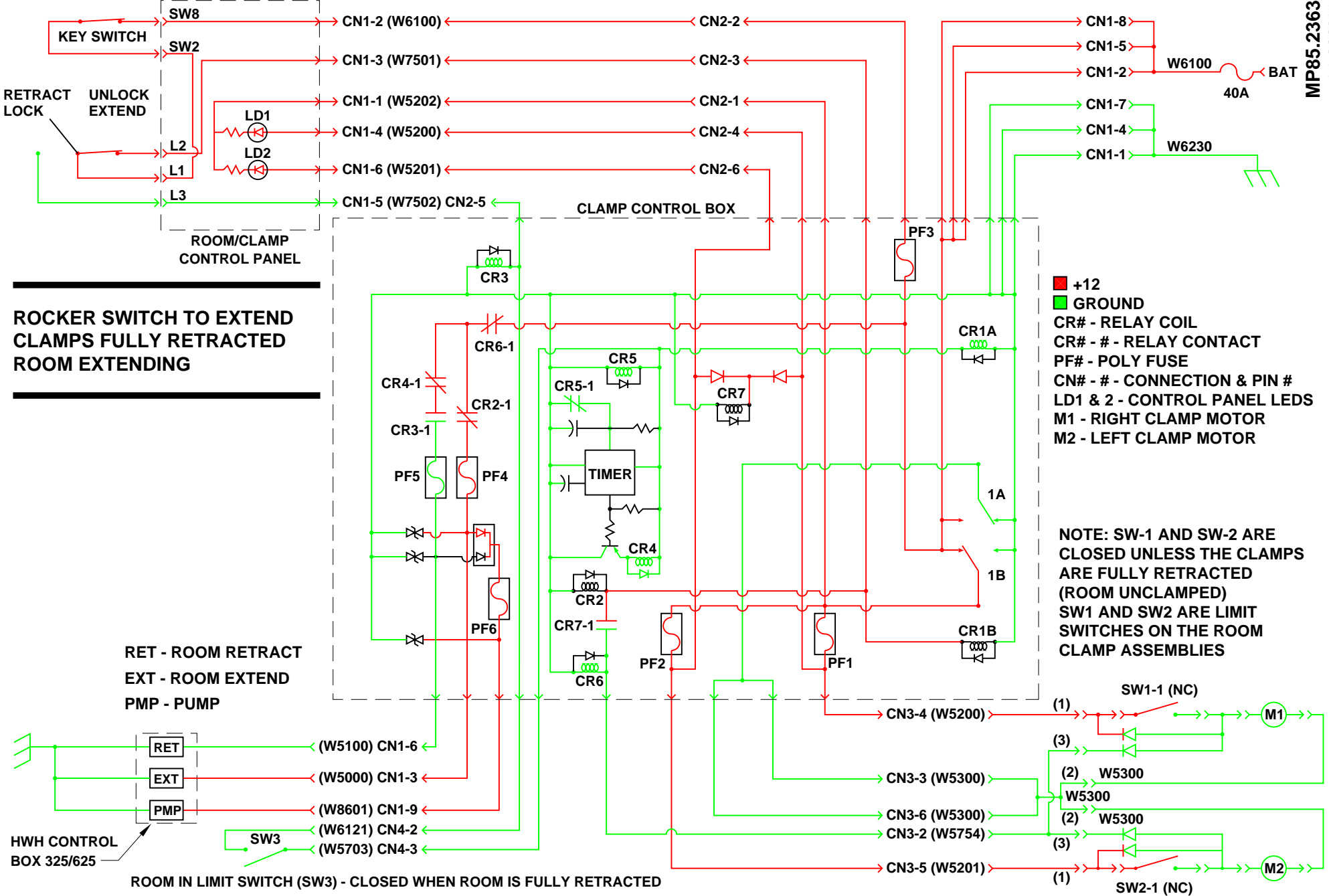
**ROCKER SWITCH TO EXTEND ROOM RETRACTED CLAMPS START RETRACTING (UNCLAMP ROOM)**

RET - ROOM RETRACT  
EXT - ROOM EXTEND  
PMP - PUMP

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED

- +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  
PMP - PUMP

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED

- +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

