

**George A. Shrokman Jr.**  
Specializing in Megadoor® Service Training

Megadoor Dual Motor Basic Graphic Sequence

DUAL MOTOR BASIC SEQUENCE  
GRAPIC STYLE

ICON DESCRIPTIONS.....2

DOOR FULLY CLOSED. READY TO OPEN.....4

    Door Fully Closed .....4

    Press Open Button - Both Motors Start Running. ....4

        Before the bottom beam starts moving, LS3 and LS4 limits change state. ....4

        Before the bottom beam starts moving, you hear a “Click” on both sides. The safety  
        arrestors are releasing.....5

        Milliseconds before the bottom beam starts moving, the lights should look like this.....5

    Bottom Beam Starts Moving . ....5

    Press ‘STOP’ Button While Door Is Moving Upward.....6

    Release ‘STOP’ Button .....6

    Press the “OPEN” Button – Door Continues Upward.....6

    Door near full open and top beam starts touching limit plungers .....7

    Plungers Activate 5LS & 6LS and door stops at full open position.....7

DOOR FULLY OPEN READY TO CLOSE .....8

    Door Fully Open, Ready to Close .....8

    Press Close Button – Both Motors Start Running .....8

    Immediately after the door starts down, the 5LS & 6LS change states.....9

    Press ‘STOP’ Button While Door Is Moving Down.....9

    Release ‘STOP’ Button .....9

    Press the “CLOSE” Button – Door Continues Down.....10

        As the door reaches the fully closed position, the fabric stretches out. ....10

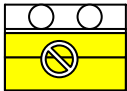
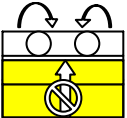
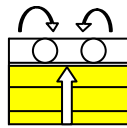
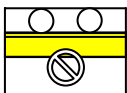
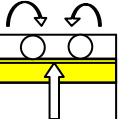
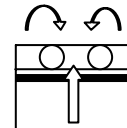
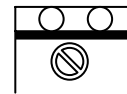
        The Safety Arrestors collapse, .....10

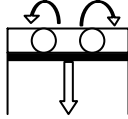
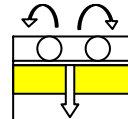
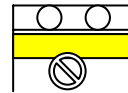
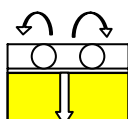
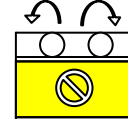
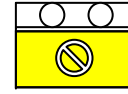
        Belts come loose, and the Close Limits are tripped.....11

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Megadoor Dual Motor Basic Graphic Sequence







**ICON DESCRIPTIONS**

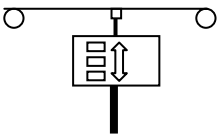
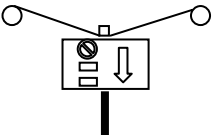
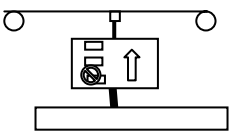

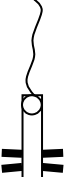
|   |  |
|---|--|
|    | Door Fully Closed<br>Motors not running                          |
|    | Door Fully Closed<br>Motors running open<br>Curtain not moving.  |
|    | Door Moving Open<br>Motors Running Open<br>Curtain Starts Moving |
|   | Door Stopped in Mid<br>Position                                  |
|  | Door half way open<br>Moving Open                                |
|  | Door ALMOST fully<br>open<br>Motors Running                      |
|  | Door Full Open<br>Motor Stopped                                  |

|  |  |
|--|--|
|    | Door Full Open<br>Door starts Closed<br>Motors Running         |
|    | Door Running Closed  |
|    | Door Stopped   |
|    | Door Stopped<br>Door Closed<br>Motors Running<br>Fabric Moving |
|  | Door Closed<br>Motor Running<br>Fabric Stopped                 |
|  | Door Fully Closed<br>Motors Stopped                            |

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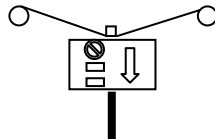
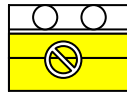
Megadoor Dual Motor Basic Graphic Sequence

|   |                        |
|---|------------------------|
|    | Press 'Open" Button    |
|    | Release 'Open" Button  |
|    | Press "Close" Button   |
|    | Release "Close" Button |
|  | Press "STOP" Button    |
|  | Release "Stop" Button  |

|   |   |
|---|---|
|     | Belt Tight<br>No Limits Tripped                   |
|     | Belt Loose<br>Close Limit Tripped                 |
|     | Open Limit Tripped<br>Top Beam<br>Hitting Plunger |
|  | Safety Arrestor<br>Belt Tight                     |
|   | Belt Loose<br>Safety Arrestor Locks               |

**DOOR FULLY CLOSED. READY TO OPEN.**

**Door Fully Closed**



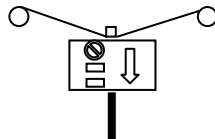
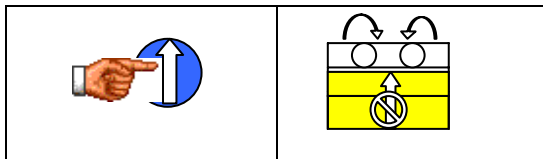
INPUT STATUS LIGHTS

|          |          |          |    |           |          |          |    |    |          |
|----------|----------|----------|----|-----------|----------|----------|----|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | 3  | 4         | <u>5</u> | <u>6</u> | 7  | 8  | <u>9</u> |
| 10       | 11       | 12       | 13 | <b>14</b> | 15       | 16       | 17 | 18 | 19       |

OUTPUT STATUS LIGHTS

|          |   |          |   |    |           |
|----------|---|----------|---|----|-----------|
| <u>0</u> | 1 | 2        | 3 | 4  | 5         |
| 6        | 7 | <b>8</b> | 9 | 10 | <b>11</b> |

**Press Open Button - Both Motors Start Running.**



INPUT CHANGE

Pressing the "Open" button turns on Input Light 10

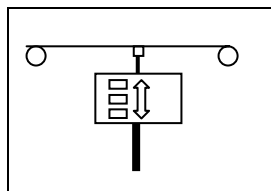
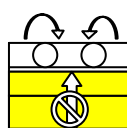
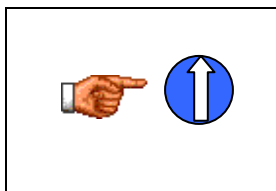
|             |          |          |    |           |          |          |    |          |          |
|-------------|----------|----------|----|-----------|----------|----------|----|----------|----------|
| <u>0</u>    | <u>1</u> | <u>2</u> | 3  | 4         | <u>5</u> | <u>6</u> | 7  | <u>8</u> | <u>9</u> |
| <b>10ON</b> | 11       | 12       | 13 | <b>14</b> | 15       | 16       | 17 | 18       | 19       |

OUTPUT RESULTS

Output Lights 2 and 4 come on.  
Both motors start running open..

|          |   |            |   |            |           |
|----------|---|------------|---|------------|-----------|
| <u>0</u> | 1 | <b>2ON</b> | 3 | <b>4ON</b> | 5         |
| 6        | 7 | <b>8</b>   | 9 | 10         | <b>11</b> |

**Before the bottom beam starts moving, LS3 and LS4 limits change state.**



INPUT CHANGE

|          |          |          |            |            |          |          |    |    |          |
|----------|----------|----------|------------|------------|----------|----------|----|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | <b>3ON</b> | <b>4ON</b> | <u>5</u> | <u>6</u> | 7  | 8  | <u>9</u> |
| 10       | 11       | 12       | 13         | <b>14</b>  | 15       | 16       | 17 | 18 | 19       |

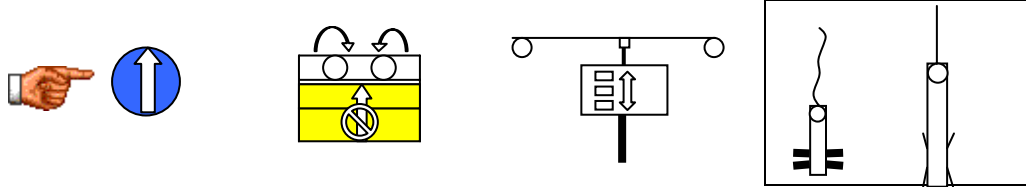
OUTPUT RESULTS

|          |   |             |   |          |           |
|----------|---|-------------|---|----------|-----------|
| <u>0</u> | 1 | <b>2</b>    | 3 | <b>4</b> | 5         |
| 6        | 7 | <b>8OFF</b> | 9 | 10       | <b>11</b> |

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**Before the bottom beam starts moving, you hear a “Click” on both sides. The safety arrestors are releasing.**

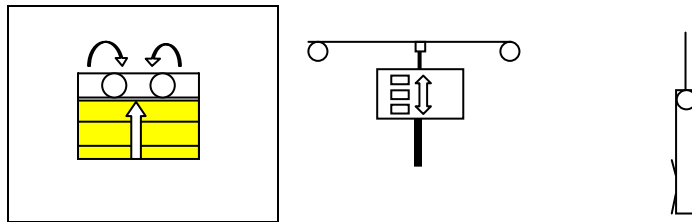


**Milliseconds before the bottom beam starts moving, the lights should look like this.**

| INPUTS |    |    |    |    |    |    |    |    |    |
|--------|----|----|----|----|----|----|----|----|----|
| 0      | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10     | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |

| OUTPUTS |   |   |   |    |    |
|---------|---|---|---|----|----|
| 0       | 1 | 2 | 3 | 4  | 5  |
| 6       | 7 | 8 | 9 | 10 | 11 |

**Bottom Beam Starts Moving .**

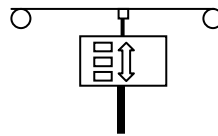
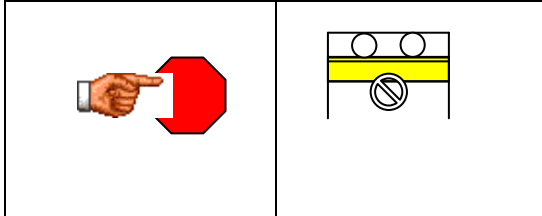


| INPUT CHANGE |    |    |    |    |    |    |    |    |    |
|--------------|----|----|----|----|----|----|----|----|----|
| 0            | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10           | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |

| OUTPUT RESULTS |   |   |   |    |    |
|----------------|---|---|---|----|----|
| 0              | 1 | 2 | 3 | 4  | 5  |
| 6              | 7 | 8 | 9 | 10 | 11 |

The door is now running open.

**Press 'STOP' Button While Door Is Moving Upward.**



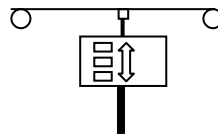
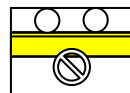
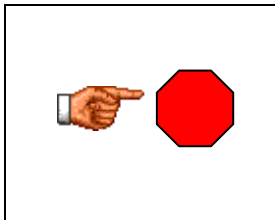
INPUT CHANGE

|    |    |    |    |    |    |    |    |    |      |
|----|----|----|----|----|----|----|----|----|------|
| 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9OFF |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19   |

OUTPUT RESULTS

|   |   |      |   |      |    |
|---|---|------|---|------|----|
| 0 | 1 | 2OFF | 3 | 4OFF | 5  |
| 6 | 7 | 8    | 9 | 10   | 11 |

**Release 'STOP' Button**



INPUT CHANGE

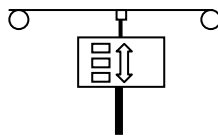
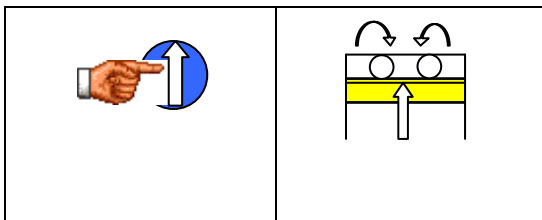
|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9ON |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19  |

OUTPUT RESULTS

|   |   |   |   |    |    |
|---|---|---|---|----|----|
| 0 | 1 | 2 | 3 | 4  | 5  |
| 6 | 7 | 8 | 9 | 10 | 11 |

The door is now stopped in ANY centered position.

**Press the "OPEN" Button – Door Continues Upward**



INPUT CHANGE

Pressing the "Open" button turns on Input Light 10

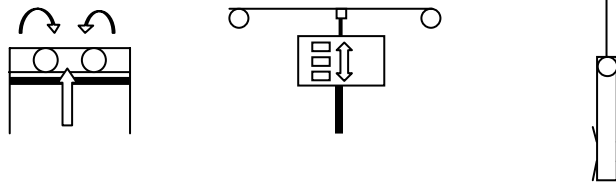
|      |    |    |    |    |    |    |    |    |    |
|------|----|----|----|----|----|----|----|----|----|
| 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10ON | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |

OUTPUT RESULTS

Output Lights 2 and 4 come on.  
Both motors start running open..

|   |   |     |   |     |    |
|---|---|-----|---|-----|----|
| 0 | 1 | 2ON | 3 | 4ON | 5  |
| 6 | 7 | 8   | 9 | 10  | 11 |

**Door near full open and top beam starts touching limit plungers**



INPUT CHANGE

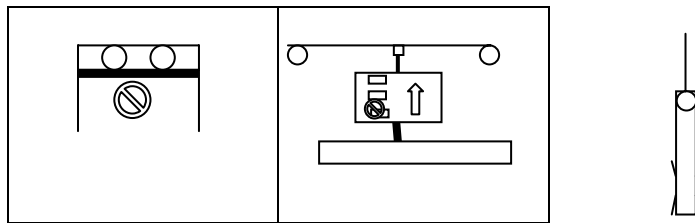
|          |          |          |          |           |          |          |    |    |          |
|----------|----------|----------|----------|-----------|----------|----------|----|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u>  | <u>5</u> | <u>6</u> | 7  | 8  | <u>9</u> |
| 10       | 11       | 12       | 13       | <u>14</u> | 15       | 16       | 17 | 18 | 19       |

The door is now running open.

OUTPUT RESULTS

|          |   |          |   |          |           |
|----------|---|----------|---|----------|-----------|
| <u>0</u> | 1 | <u>2</u> | 3 | <u>4</u> | 5         |
| 6        | 7 | 8        | 9 | 10       | <u>11</u> |

**Plungers Activate 5LS & 6LS and door stops at full open position.**



INPUT CHANGE

|          |          |          |          |           |    |    |    |    |          |
|----------|----------|----------|----------|-----------|----|----|----|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u>  | 5  | 6  | 7  | 8  | <u>9</u> |
| 10       | 11       | 12       | 13       | <u>14</u> | 15 | 16 | 17 | 18 | 19       |

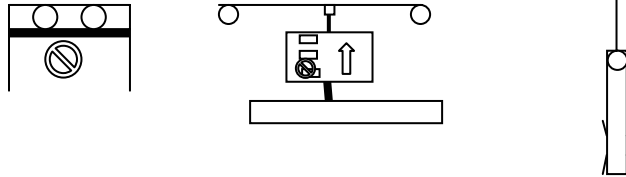
OUTPUT RESULTS

|          |   |          |   |          |           |
|----------|---|----------|---|----------|-----------|
| <u>0</u> | 1 | <u>2</u> | 3 | <u>4</u> | 5         |
| 6        | 7 | 8        | 9 | 10       | <u>11</u> |

## DOOR FULLY OPEN READY TO CLOSE

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### *Door Fully Open, Ready to Close*



INPUTS

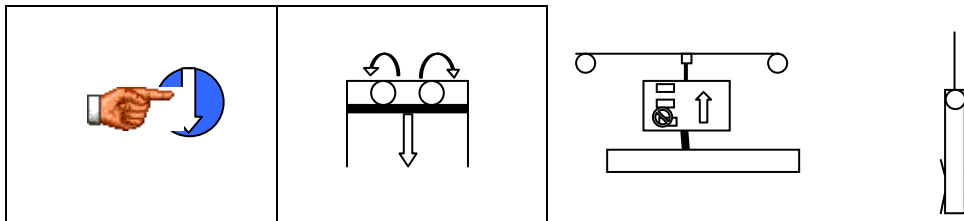
|          |          |          |          |           |    |    |          |    |          |
|----------|----------|----------|----------|-----------|----|----|----------|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u>  | 5  | 6  | <u>7</u> | 8  | <u>9</u> |
| 10       | 11       | 12       | 13       | <u>14</u> | 15 | 16 | 17       | 18 | 19       |

OUTPUTS

|          |   |          |   |    |           |
|----------|---|----------|---|----|-----------|
| <u>0</u> | 1 | 2        | 3 | 4  | 5         |
| 6        | 7 | <u>8</u> | 9 | 10 | <u>11</u> |

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### *Press Close Button – Both Motors Start Running*



INPUT CHANGE

Pressing the "Close" button turns on Input Light 11

|          |                             |          |          |           |    |    |          |    |          |
|----------|-----------------------------|----------|----------|-----------|----|----|----------|----|----------|
| <u>0</u> | <u>1</u>                    | <u>2</u> | <u>3</u> | <u>4</u>  | 5  | 6  | <u>7</u> | 8  | <u>9</u> |
| 10       | <u>11</u> <sub>o</sub><br>N | 12       | 13       | <u>14</u> | 15 | 16 | 17       | 18 | 19       |

OUTPUT RESULTS

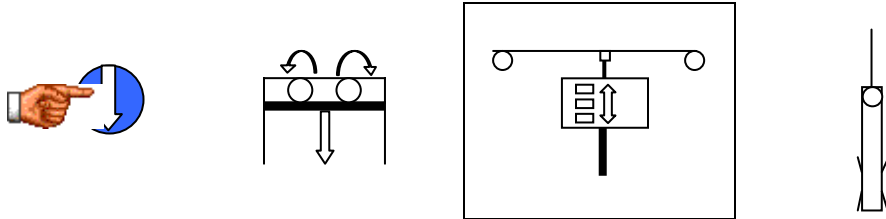
|          |   |          |                        |    |                        |
|----------|---|----------|------------------------|----|------------------------|
| <u>0</u> | 1 | 2        | <u>3</u> <sub>ON</sub> | 4  | <u>5</u> <sub>ON</sub> |
| 6        | 7 | <u>8</u> | 9                      | 10 | <u>11</u>              |



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**Immediately after the door starts down, the 5LS & 6LS change states.**



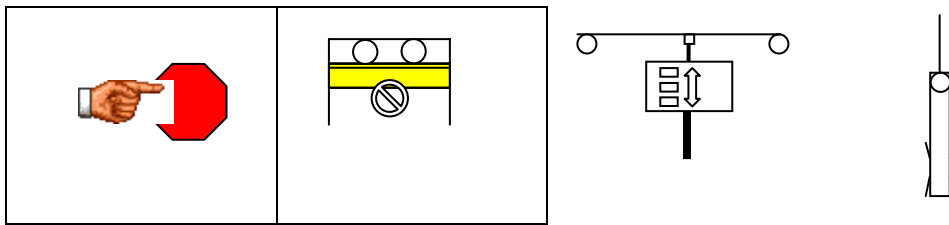
INPUT CHANGE

|          |          |          |          |          |            |            |      |    |          |
|----------|----------|----------|----------|----------|------------|------------|------|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <b>5ON</b> | <b>6ON</b> | 7OFF | 8  | <u>9</u> |
| 10       | 11       | 12       | 13       | 14       | 15         | 16         | 17   | 18 | 19       |

OUTPUT RESULTS

|          |          |   |            |    |            |
|----------|----------|---|------------|----|------------|
| <u>0</u> | 1        | 2 | <b>3ON</b> | 4  | <b>5ON</b> |
| 6        | <u>7</u> | 8 | 9          | 10 | <u>11</u>  |

**Press 'STOP' Button While Door Is Moving Down.**



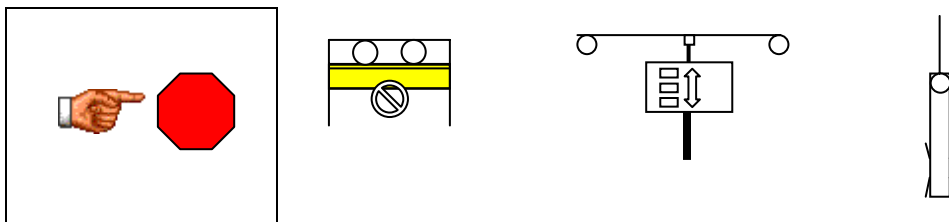
INPUT CHANGE

|          |          |          |          |          |          |          |    |    |             |
|----------|----------|----------|----------|----------|----------|----------|----|----|-------------|
| <u>0</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | 7  | 8  | <b>9OFF</b> |
| 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17 | 18 | 19          |

OUTPUT RESULTS

|          |          |   |             |    |             |
|----------|----------|---|-------------|----|-------------|
| <u>0</u> | 1        | 2 | <b>3OFF</b> | 4  | <b>5OFF</b> |
| 6        | <u>7</u> | 8 | 9           | 10 | <u>11</u>   |

**Release 'STOP' Button**



INPUT CHANGE

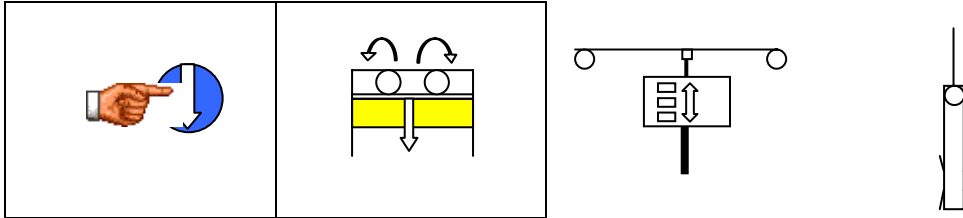
|          |          |          |          |          |          |          |    |    |            |
|----------|----------|----------|----------|----------|----------|----------|----|----|------------|
| <u>0</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | 7  | 8  | <b>9ON</b> |
| 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17 | 18 | 19         |

OUTPUT RESULTS

|          |          |   |   |    |           |
|----------|----------|---|---|----|-----------|
| <u>0</u> | 1        | 2 | 3 | 4  | 5         |
| 6        | <u>7</u> | 8 | 9 | 10 | <u>11</u> |

**The door is now stopped in ANY centered position.**

**Press the "CLOSE" Button – Door Continues Down.**



**INPUT CHANGE**

Pressing the "Close" button turns on Input Light 11

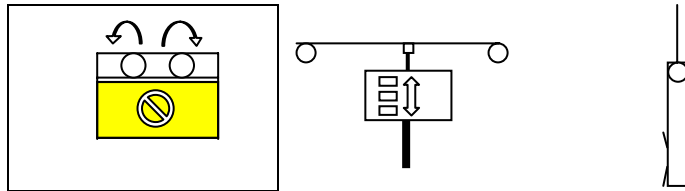
|          |                      |          |          |          |          |          |          |    |          |
|----------|----------------------|----------|----------|----------|----------|----------|----------|----|----------|
| <u>0</u> | <u>1</u>             | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | 8  | <u>9</u> |
| 10       | 11 <sub>o</sub><br>N | 12       | 13       | 14       | 15       | 16       | 17       | 18 | 19       |

**OUTPUT RESULTS**

|          |   |          |                       |    |                       |
|----------|---|----------|-----------------------|----|-----------------------|
| <u>0</u> | 1 | 2        | <u>3<sub>ON</sub></u> | 4  | <u>5<sub>ON</sub></u> |
| 6        | 7 | <u>8</u> | 9                     | 10 | <u>11</u>             |

**As the door reaches the fully closed position, the fabric stretches out.**

The bottom beam stops, and the motors keep on running.



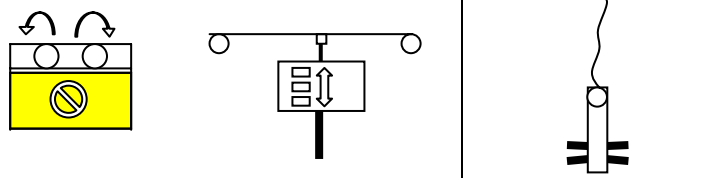
**INPUT LIGHTS**

|          |          |          |          |          |          |          |    |    |          |
|----------|----------|----------|----------|----------|----------|----------|----|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | 7  | 8  | <u>9</u> |
| 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17 | 18 | 19       |

**OUTPUT LIGHTS**

|          |          |   |          |    |           |
|----------|----------|---|----------|----|-----------|
| <u>0</u> | 1        | 2 | <u>3</u> | 4  | <u>5</u>  |
| 6        | <u>7</u> | 8 | 9        | 10 | <u>11</u> |

**The Safety Arrestors collapse,**



**INPUT STATUS LIGHTS**

|          |          |          |    |    |          |          |    |    |          |
|----------|----------|----------|----|----|----------|----------|----|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | 3  | 4  | <u>5</u> | <u>6</u> | 7  | 8  | <u>9</u> |
| 10       | 11       | 12       | 13 | 14 | 15       | 16       | 17 | 18 | 19       |

**OUTPUT STATUS LIGHTS**

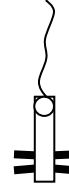
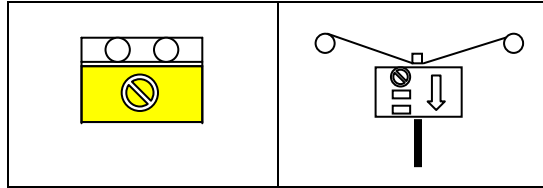
|          |   |   |   |    |           |
|----------|---|---|---|----|-----------|
| <u>0</u> | 1 | 2 | 3 | 4  | 5         |
| 6        | 7 | 8 | 9 | 10 | <u>11</u> |

**George A. Shrokman Jr.**  
Specializing in Megadoor ® Service Training

Megadoor Dual Motor Basic Graphic Sequence

**Belts come loose, and the Close Limits are tripped.**

As the belts come loose, the top plungers on the limit boxes lower down and activate the close limit switches LS3 & LS4.



INPUT STATUS LIGHTS

|          |          |          |    |           |          |          |    |    |          |
|----------|----------|----------|----|-----------|----------|----------|----|----|----------|
| <u>0</u> | <u>1</u> | <u>2</u> | 3  | 4         | <u>5</u> | <u>6</u> | 7  | 8  | <u>9</u> |
| 10       | 11       | 12       | 13 | <b>14</b> | 15       | 16       | 17 | 18 | 19       |

OUTPUT STATUS LIGHTS

|          |   |   |   |    |           |
|----------|---|---|---|----|-----------|
| <u>0</u> | 1 | 2 | 3 | 4  | 5         |
| 6        | 7 | 8 | 9 | 10 | <b>11</b> |

Megadoor Dual Motor Graphic Basic Sequence.doc