

| Node I.D.-Tag:    | (V2b) | <b>Translation Matrix: from Wiring I.D. Tags to Device Terminal Descriptions (like: 1A is = +24VDC)</b>                     |
|-------------------|-------|---|
| "Number/Letter-   |       | <b>Title of Project: 543 Lab Challenge #3</b> page # <u>  1  </u> of <u>  2  </u> pages; <b>Student Name:</b> _____         |
| pair", i.e.: "5C" |       | <b>Node Group-Member Terminal, Wire Description (device-pin#, etc.--ie: S2-A, CR2-p3, +24VDC) Copyright 2017, NPD Corp.</b> |
| 1A                | is =  | RED, Power-Supply Positive (+24VDC)   |
| 1B                | is =  | F1, Line-side of fuse-holder  |
|                   | is =  |   |
| 2A                | is =  | F1, Load-side of fuse-holder  |
| 2B                | is =  | S2-A, Line side of Red N.C. Stop Switch   |
| 2C                | is =  | N.O. Contact on CR1-Pin 8   |
| 2D                | is =  | N.C. Contact on CR1-Pin 3   |
|                   | is =  |   |
| 3A                | is =  | S2-B, Load-side of Red N.C. Stop Switch   |
| 3B                | is =  | S3-A, Line-side of Green N.O. Start Switch  |
| 3C                | is =  | N.O. Contact on CR1-Pin 7   |
|                   | is =  |   |
| 4A                | is =  | S3-B Load-side of Green N.O. Start Switch   |
| 4B                | is =  | N.O. Contact on CR1-Pin 4   |
| 4C                | is =  | Coil on CR1-Pin B (Left --> Line side of this coil)   |
| 4D                | is =  | N.C. Contact on CR2-Pin 3   |
|                   | is =  |   |
|                   | is =  | continued on page 2   |
|                   |       |   |

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| 5A                | is =  | N.C. Contact on CR2-Pin 9  |
| 5B                | is =  | Coil on CR2- Pin B (Left --> line side of this load  |
|                   | is =  |  |
| 6A                | is =  | N. O. Contact on CR1-Pin 5   |
| 6B                | is =  | Lamp, White, Line-side-A of this load  |
|                   | is =  |  |
| 7A                | is =  | N. C. Contact on CR1-Pin 9   |
| 7B                | is =  | Lamp, Red, Line-side-A of this load  |
|                   | is =  |  |
| 8A                | is =  | Black, Power-Supply negative (24VDC)   |
| 8B                | is =  | Coil on CR1- Pin A (Right --> Line side of this load   |
| 8C                | is =  | Coil on CR2-Pin A (Right --> Line side of this load)   |
| 8D                | is =  | Lamp, White, Pin-B (Return side of this load)  |
| 8E                | is =  | Lamp, Red, Pin-B (Return side of this load)  |
|                   | is =  |  |
|                   | is =  |  |
|                   | is =  |  |