

|             | 0           | 1          | 2           | 3            | 4           | 5           | 6           | 7           | 8          | 9           | 10          | 11          | 12         | 13                    | 14         | 15 | 16         |
|-------------|-------------|------------|-------------|--------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-----------------------|------------|----|------------|
| A           | 16-A11<br>⤴ |            | 15-H14<br>⤴ | 24-G0<br>⤴   | 14-H16<br>⤴ | 25-H15<br>⤴ | 7-A16<br>⤴  | 27-H15<br>⤴ | 9-A14<br>⤴ | 28-H12<br>⤴ | 17-A10<br>⤴ | 29-H12<br>⤴ | 7-C16<br>⤴ |                       | 9-E16<br>⤴ |    | 17-H6<br>⤴ |
| B           | 26-G16 ⤴    |            |             |              |             |             |             |             |            |             |             |             |            |                       |            |    | ⤵ 18-H13   |
| C           | 26-E16 ⤴    |            |             |              |             |             |             |             |            |             |             |             |            |                       |            |    | ⤵ 19-G16   |
| D           | 23-H13 ⤴    |            |             |              |             |             |             |             |            |             |             |             |            |                       |            |    | ⤵ 20-H13   |
| E           | 21-H15 ⤴    |            |             |              |             |             |             |             |            |             |             |             |            |                       |            |    | ⤵ 22-H13   |
| F           | 16-F16 ⤴    |            |             |              |             |             |             |             |            |             |             |             |            |                       |            |    | ⤵ 17-F16   |
| G           | 13-H6 ⤴     |            |             |              |             |             |             |             |            |             |             |             |            |                       |            |    | ⤵ 14-H13   |
| H           | ⤵<br>11-H6  | ⤵<br>10-H6 | ⤵<br>9-H16  | ⤵<br>18-A14  | ⤵<br>18-A10 | ⤵<br>21-A6  | ⤵<br>19-A11 | ⤵<br>15-A12 | ⤵<br>8-G0  |             |             |             |            |                       |            |    |            |
| Author: ned |             |            |             | AC junctions |             |             |             |             |            |             |             |             |            | File: House DC wiring |            |    |            |
| Date:       |             |            |             |              |             |             |             |             |            |             |             |             |            | Folio: 1/29           |            |    |            |

|             | 0         | 1 | 2          | 3             | 4                         | 5 | 6                          | 7 | 8                          | 9 | 10                         | 11 | 12                        | 13                    | 14         | 15 | 16         |
|-------------|-----------|---|------------|---------------|---------------------------|---|----------------------------|---|----------------------------|---|----------------------------|----|---------------------------|-----------------------|------------|----|------------|
| A           | 7-H0<br>⤴ |   | 22-H0<br>⤴ |               | 1x 3p<br>21-H0<br>⤴       |   | 3x 3p, esp32<br>20-H0<br>⤴ |   | 2x 3p, esp32<br>19-H0<br>⤴ |   | 1x 3p, esp32<br>18-H0<br>⤴ |    | 1x 3p<br>17-H0<br>⤴       |                       | 16-H0<br>⤴ |    |            |
| B           |           |   |            |               |                           |   |                            |   |                            |   |                            |    |                           |                       |            |    | 9-H0<br>⤵  |
| C           |           |   |            |               |                           |   |                            |   |                            |   |                            |    |                           |                       |            |    | 10-H0<br>⤵ |
| D           |           |   |            |               |                           |   |                            |   |                            |   |                            |    |                           |                       |            |    | 14-H0<br>⤵ |
| E           |           |   |            |               |                           |   |                            |   |                            |   |                            |    |                           |                       |            |    | 12-H0<br>⤵ |
| F           |           |   |            |               |                           |   |                            |   |                            |   |                            |    |                           |                       |            |    | 11-H0<br>⤵ |
| G           |           |   |            |               |                           |   |                            |   |                            |   |                            |    |                           |                       |            |    | 13-H0<br>⤵ |
| H           |           |   |            |               | ⤵<br>29-H0<br>wifi, esp32 |   | ⤵<br>28-H0<br>wifi, esp32  |   | ⤵<br>27-H0<br>wifi, esp32  |   | ⤵<br>26-H0<br>1x 3p, esp32 |    | ⤵<br>25-H0<br>wifi, esp32 |                       | ⤵<br>23-H0 |    |            |
| Author: ned |           |   |            | PoE junctions |                           |   |                            |   |                            |   |                            |    |                           | File: House DC wiring |            |    |            |
| Date:       |           |   |            |               |                           |   |                            |   |                            |   |                            |    |                           | Folio: 2/29           |            |    |            |

|             | 0 | 1 | 2 | 3             | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13                    | 14 | 15 | 16 |
|-------------|---|---|---|---------------|---|---|---|---|---|---|----|----|----|-----------------------|----|----|----|
| A           |   |   |   |               |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| B           |   |   |   |               |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| C           |   |   |   |               |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| D           |   |   |   |               |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| E           |   |   |   |               |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| F           |   |   |   |               |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| G           |   |   |   |               |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| H           |   |   |   |               |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| Author: ned |   |   |   | 54v junctions |   |   |   |   |   |   |    |    |    | File: House DC wiring |    |    |    |
| Date:       |   |   |   |               |   |   |   |   |   |   |    |    |    | Folio: 3/29           |    |    |    |

|             | 0           | 1 | 2           | 3             | 4          | 5 | 6           | 7 | 8           | 9 | 10          | 11 | 12          | 13                    | 14          | 15 | 16 |        |
|-------------|-------------|---|-------------|---------------|------------|---|-------------|---|-------------|---|-------------|----|-------------|-----------------------|-------------|----|----|--------|
| A           | 14-A15<br>⤴ |   | 20-A15<br>⤴ |               | 8-A15<br>⤴ |   | 21-A15<br>⤴ |   | 10-A15<br>⤴ |   | 11-A15<br>⤴ |    | 13-A15<br>⤴ |                       | 24-A15<br>⤴ |    |    |        |
| B           | 14-C15<br>⤵ |   | 20-D15<br>⤵ |               | 8-D15<br>⤵ |   | 21-C15<br>⤵ |   | 10-C15<br>⤵ |   | 11-C15<br>⤵ |    | 13-C15<br>⤵ |                       | 24-C15<br>⤵ |    |    |        |
| C           |             |   |             |               |            |   |             |   |             |   |             |    |             |                       | 25-C15      | ⤴  | ⤵  | 25-A15 |
| D           |             |   |             |               |            |   |             |   |             |   |             |    |             |                       | 26-C15      | ⤴  | ⤵  | 26-A15 |
| E           |             |   |             |               |            |   |             |   |             |   |             |    |             |                       | 27-C15      | ⤴  | ⤵  | 27-A15 |
| F           |             |   |             |               |            |   |             |   |             |   |             |    |             |                       |             |    |    |        |
| G           |             |   |             |               |            |   |             |   |             |   |             |    |             |                       |             |    |    |        |
| H           |             |   |             |               |            |   |             |   |             |   |             |    |             |                       |             |    |    |        |
| Author: ned |             |   |             | 24v junctions |            |   |             |   |             |   |             |    |             | File: House DC wiring |             |    |    |        |
| Date:       |             |   |             |               |            |   |             |   |             |   |             |    |             | Folio: 4/29           |             |    |    |        |

|             | 0           | 1 | 2          | 3            | 4          | 5 | 6          | 7 | 8          | 9 | 10         | 11 | 12         | 13                    | 14         | 15 | 16    |
|-------------|-------------|---|------------|--------------|------------|---|------------|---|------------|---|------------|----|------------|-----------------------|------------|----|-------|
| A           | 17-B15<br>⤴ |   | 7-A0<br>⤴  |              | 8-A0<br>⤴  |   | 9-A0<br>⤴  |   | 10-A0<br>⤴ |   | 11-A0<br>⤴ |    | 12-A0<br>⤴ |                       | 13-A0<br>⤴ |    |       |
| B           | 17-D15<br>⤵ |   | 7-C0<br>⤵  |              | 8-D0<br>⤵  |   | 9-D0<br>⤵  |   | 10-D0<br>⤵ |   | 11-D0<br>⤵ |    | 12-C0<br>⤵ |                       | 13-D0<br>⤵ |    |       |
| C           | 27-A0<br>⤴  | ⤵ | 27-C0      |              |            |   |            |   |            |   |            |    |            |                       | 16-G0<br>⤴ | ⤵  | 16-E0 |
| D           | 29-A0<br>⤴  | ⤵ | 29-C0      |              |            |   |            |   |            |   |            |    |            |                       | 17-C0<br>⤴ | ⤵  | 17-A0 |
| E           |             |   |            |              |            |   |            |   |            |   |            |    |            |                       | 18-C0<br>⤴ | ⤵  | 18-A0 |
| F           |             |   |            |              |            |   |            |   |            |   |            |    |            |                       | 19-C0<br>⤴ | ⤵  | 19-A0 |
| G           |             |   | 26-C0<br>⤴ |              | 25-C0<br>⤴ |   | 21-C0<br>⤴ |   | 20-D0<br>⤴ |   | 15-D0<br>⤴ |    | 14-C0<br>⤴ |                       | 22-C0<br>⤴ |    |       |
| H           |             |   | ⤵<br>26-A0 |              | ⤵<br>25-A0 |   | ⤵<br>21-A0 |   | ⤵<br>20-A0 |   | ⤵<br>15-A0 |    | ⤵<br>14-A0 |                       | ⤵<br>22-A0 |    |       |
| Author: ned |             |   |            | 9v junctions |            |   |            |   |            |   |            |    |            | File: House DC wiring |            |    |       |
| Date:       |             |   |            |              |            |   |            |   |            |   |            |    |            | Folio: 5/29           |            |    |       |

|             | 0 | 1 | 2 | 3                | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13                    | 14 | 15 | 16 |
|-------------|---|---|---|------------------|---|---|---|---|---|---|----|----|----|-----------------------|----|----|----|
| A           |   |   |   |                  |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| B           |   |   |   |                  |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| C           |   |   |   |                  |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| D           |   |   |   |                  |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| E           |   |   |   |                  |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| F           |   |   |   |                  |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| G           |   |   |   |                  |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| H           |   |   |   |                  |   |   |   |   |   |   |    |    |    |                       |    |    |    |
| Author: ned |   |   |   | Exterior soffits |   |   |   |   |   |   |    |    |    | File: House DC wiring |    |    |    |
| Date:       |   |   |   |                  |   |   |   |   |   |   |    |    |    | Folio: 6/29           |    |    |    |



















































