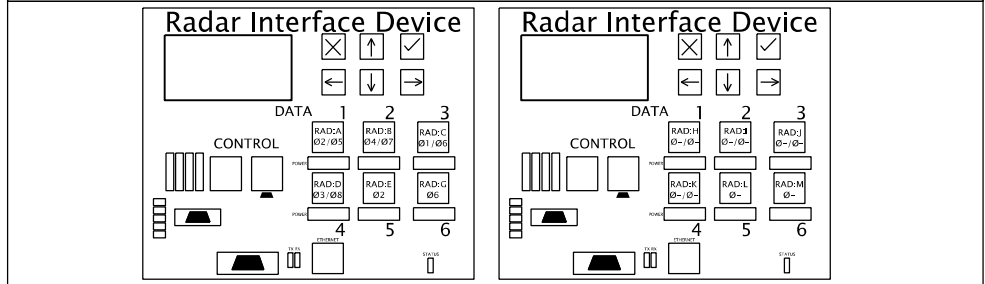


Model ATC Controller



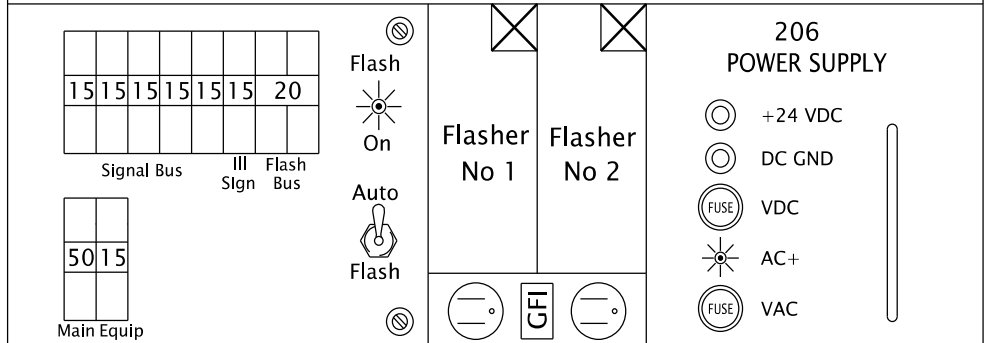
Radar Interface



Channel 1
Input File "I"
Channel 2

Channel 1
Input File "J"
Channel 2

IMPORT INPUT FILE FROM THE DETECTION CONFIGURATION EXCEL FILE AFTER SIGNAL TIMER HAS FINISHED CONFIGURATION - RESIZE TO FIT THIS DASHED AREA



Power Distribution Assembly #2

| | | | | | | | |
|-------|------|------|-------|------|------|-------|------------------|
| FTR-1 | 1 | 2 | 3 | 4 | 5 | 6 | Conflict Monitor |
| | Ph — | Ph — | Ped — | Ph — | Ph — | Ped — | |
| FTR-2 | SC1 | SC1 | SC1 | SC2 | SC2 | SC2 | |
| FTR-3 | 7 | 8 | 9 | 10 | 11 | 12 | |
| | Ph — | Ph — | Ped — | Ph — | Ph — | Ped — | |
| FTR-4 | SC3 | SC3 | SC3 | SC4 | SC4 | SC4 | |

Output File

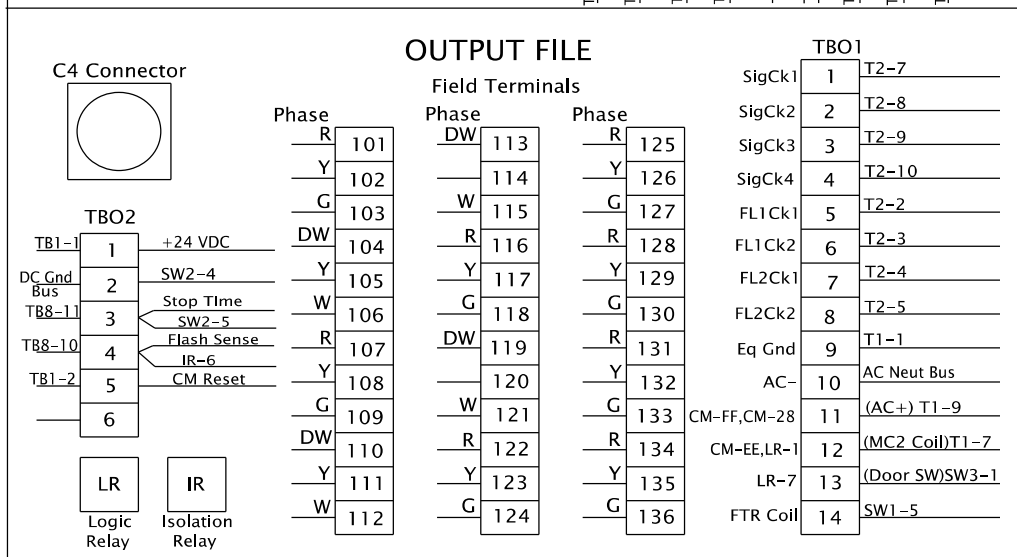
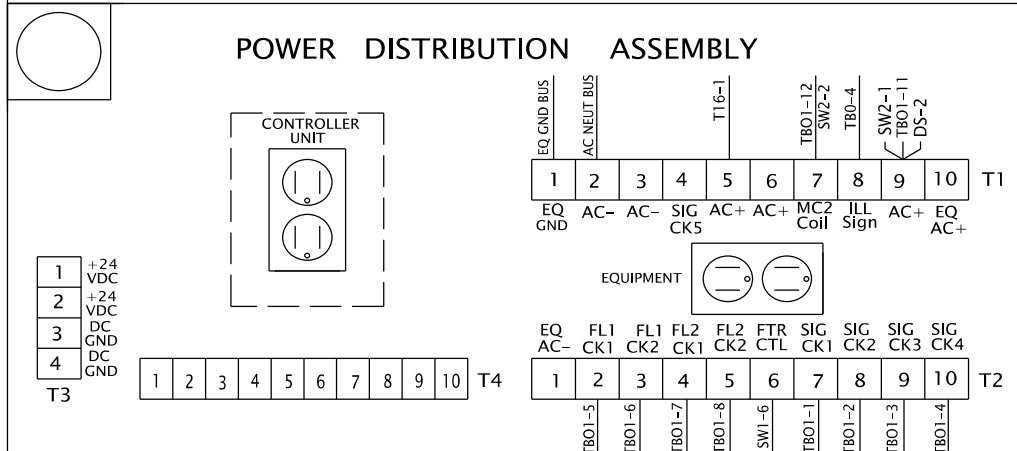
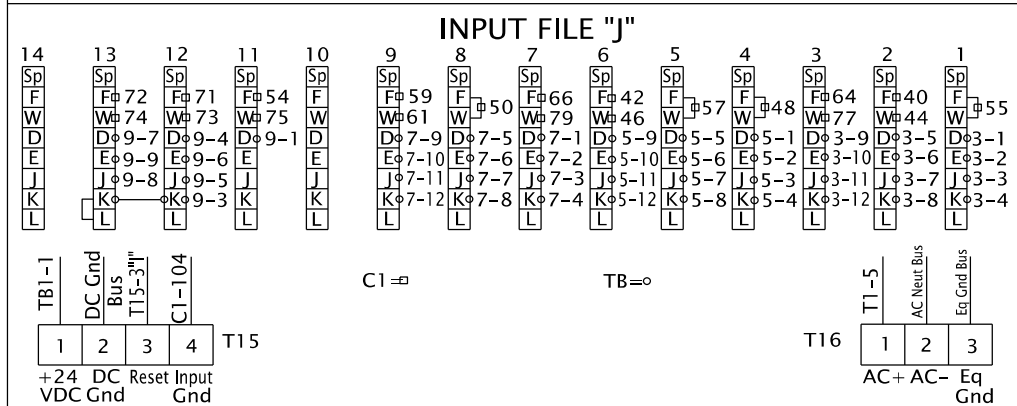
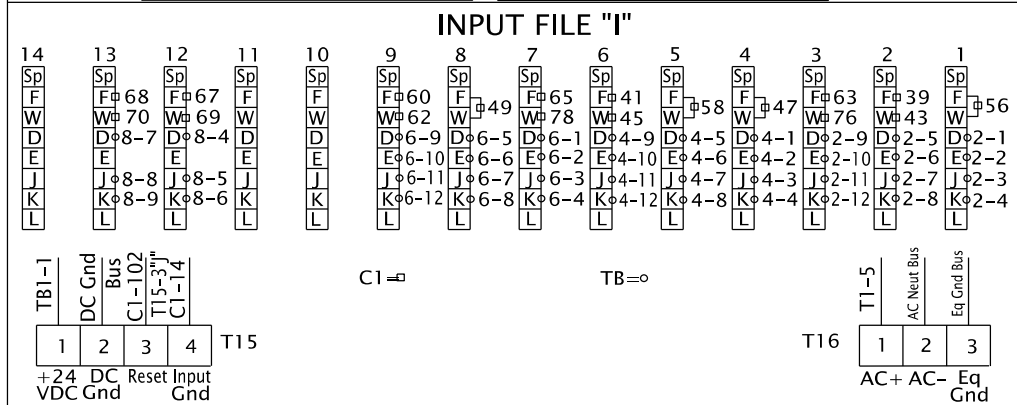
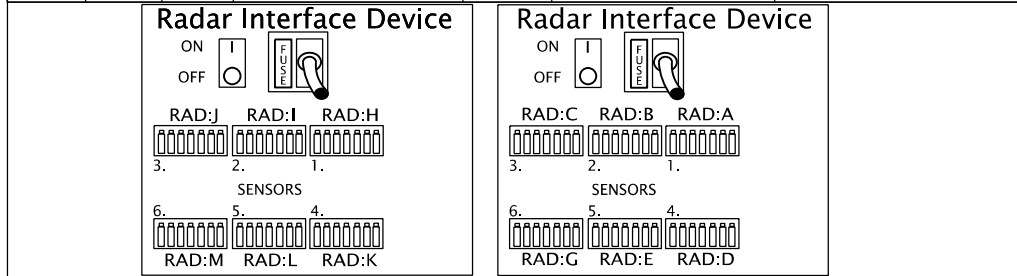
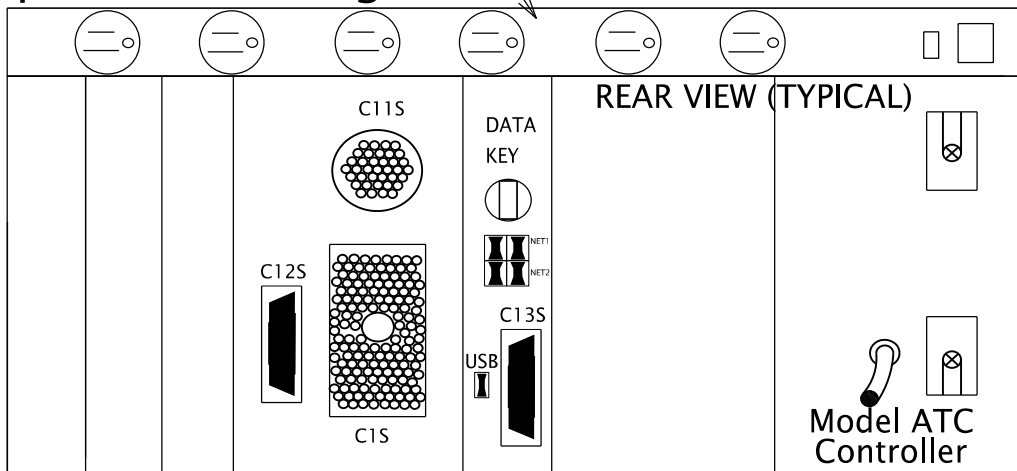
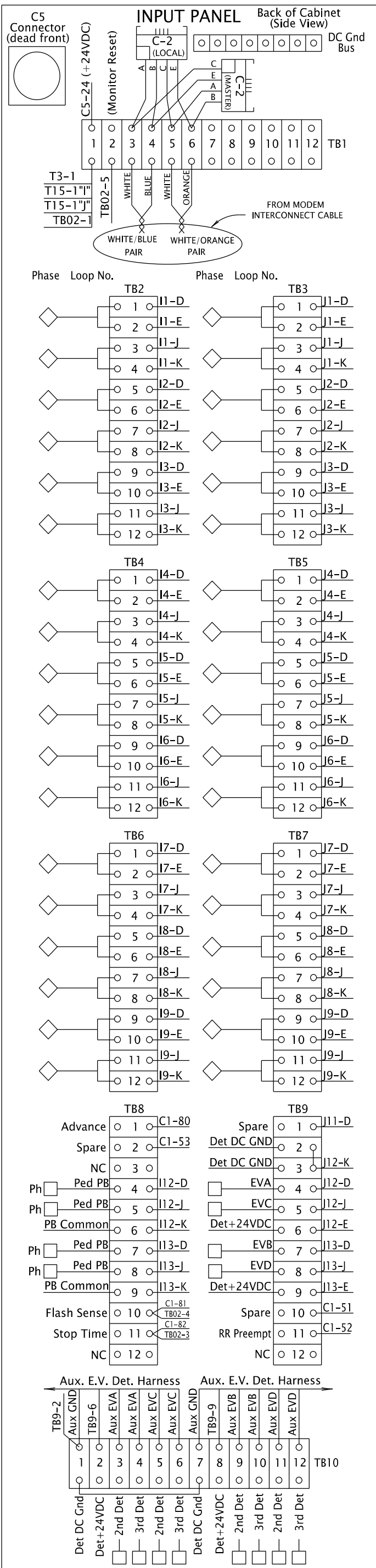
SHEET 1

| REV. NO. | DATE | INITIAL | REMARKS |
|----------|-------|---------|--|
| 1 | 10/19 | JS | Print to be used when using SDLC only. |
| 2 | 10/21 | JS | Updated Channel Assignments on Diode Card & Updated Various Font |
| 3 | 03/22 | JS | UPDATED 752'S TO 762'S |

INTERSECTION: **Main Street @ Cross Street**
Any Town
 HWY#: XXX M.P.#: XXX.XX TSSU ID#: XXXXX

OREGON DEPARTMENT OF TRANSPORTATION
 TRAFFIC - ROADWAY SECTION
332 CABINET WIRING DIAGRAM
 REV 03/14/22

TrippLite Power protection Surge



INTERSECTION: Main Street @
Cross Street
Any Town
HWY#: XXX M.P.#: XXX.XX TSSU ID#: XXXXX

PROGRAM PIN ASSIGNMENTS

| Program Assigned Functions | C1 Connector | | C4 Connector | | | | Field Term. |
|----------------------------|--------------|-------------|--------------|-------------|----------|-----|-------------|
| | Pin | Termination | Pin | Switch Pack | | | |
| | | | | In | Position | Out | |
| DC Gnd | 1 | DC Gnd Bus | - | - | - | - | - |
| Ø4 D.WALK | 2 | C4-1 | 1 | 6 | 6-DW | 3 | 104 |
| Ø4 WALK | 3 | C4-2 | 2 | 10 | 6-W | 7 | 106 |
| Ø4 RED | 4 | C4-3 | 3 | 6 | 5-R | 3 | 101 |
| Ø4 YELLOW | 5 | C4-4 | 4 | 8 | 5-Y | 5 | 102 |
| Ø4 GREEN | 6 | C4-5 | 5 | 10 | 5-G | 7 | 103 |
| Ø3 RED | 7 | C4-6 | 6 | 6 | 4-R | 3 | 116 |
| Ø3 YELLOW | 8 | C4-7 | 7 | 8 | 4-Y | 5 | 117 |
| Ø3 GREEN | 9 | C4-8 | 8 | 10 | 4-G | 7 | 118 |
| Ø2 D.WALK | 10 | C4-9 | 9 | 6 | 3-DW | 3 | 113 |
| Ø2 WALK | 11 | C4-10 | 10 | 10 | 3-W | 7 | 115 |
| 2 RED | 12 | C4-11 | 11 | 6 | 2-R | 3 | 128 |
| 2 YELLOW | 13 | C4-12 | 12 | 8 | 2-Y | 5 | 129 |
| Input Gnd | 14 | - | - | - | - | - | - |
| Ø2 GREEN | 15 | C4-13 | 13 | 10 | 2-G | 7 | 130 |
| Ø1 RED | 16 | C4-14 | 14 | 6 | 1-R | 3 | 125 |
| Ø1 YELLOW | 17 | C4-15 | 15 | 8 | 1-Y | 5 | 126 |
| Ø1 GREEN | 18 | C4-16 | 16 | 10 | 1-G | 7 | 127 |
| Ø8 D.WALK | 19 | C4-17 | 17 | 6 | 12-DW | 3 | 110 |
| Ø8 WALK | 20 | C4-18 | 18 | 10 | 12-W | 7 | 112 |
| Ø8 RED | 21 | C4-19 | 19 | 6 | 11-R | 3 | 107 |
| Ø8 YELLOW | 22 | C4-20 | 20 | 8 | 11-Y | 5 | 108 |
| Ø8 GREEN | 23 | C4-21 | 21 | 10 | 11-G | 7 | 109 |
| Ø7 RED | 24 | C4-22 | 22 | 6 | 10-R | 3 | 122 |
| Ø7 YELLOW | 25 | C4-23 | 23 | 8 | 10-Y | 5 | 123 |
| Ø7 GREEN | 26 | C4-24 | 24 | 10 | 10-G | 7 | 124 |
| Ø6 D.WALK | 27 | C4-25 | 25 | 6 | 9-DW | 3 | 119 |
| Ø6 WALK | 28 | C4-26 | 26 | 10 | 9-W | 7 | 121 |
| Ø6 RED | 29 | C4-27 | 27 | 6 | 8-R | 3 | 134 |
| Ø6 YELLOW | 30 | C4-28 | 28 | 8 | 8-Y | 5 | 135 |
| Ø6 GREEN | 31 | C4-29 | 29 | 10 | 8-G | 7 | 136 |
| Ø5 RED | 32 | C4-30 | 30 | 6 | 7-R | 3 | 131 |
| Ø5 YELLOW | 33 | C4-31 | 31 | 8 | 7-Y | 5 | 132 |
| Ø5 GREEN | 34 | C4-32 | 32 | 10 | 7-G | 7 | 133 |
| (A) TOD/DOW | 35 | C4-33 | 33 | 8 | 3-Y | 5 | 114 |
| (B) TOD/DOW | 36 | C4-34 | 34 | 8 | 9-Y | 5 | 120 |
| (C)TOD/DOW | 37 | C4-35 | 35 | 8 | 6-Y | 5 | 105 |
| (D)TOD/DOW | 38 | C4-36 | 36 | 8 | 12-Y | 5 | 111 |

| Program Assigned Functions | C1 Connector | | Input Files | | |
|----------------------------|--------------|-------------|-------------|-------|-----------------|
| | Pin | Termination | Terminals | | Field Terminals |
| | | | Out | In | |
| Ø2 DET,E&C | 39 | I2-1 | F | D&E | TB2-5&6 |
| Ø6 DET,E&C | 40 | J2-1 | F | D&E | TB3-5&6 |
| Ø4 DET,E&C | 41 | I6-1 | F | D&E | TB4-9&10 |
| Ø8 DET,E&C | 42 | J6-1 | F | D&E | TB5-9&10 |
| Ø2 DET,E&C | 43 | I2-2 | W | J&K | TB2-7&8 |
| Ø6 DET,E&C | 44 | J2-2 | W | J&K | TB3-7&8 |
| Ø4 DET,E&C | 45 | I6-2 | W | J&K | TB4-11&12 |
| Ø8 DET,E&C | 46 | J6-2 | W | J&K | TB5-11&12 |
| Ø2 DET, C | 47 | I4-1&2 | F&W | DE&JK | TB4-1,2&3,4 |
| Ø6 DET, C | 48 | J4-1&2 | F&W | DE&JK | TB5-1,2&3,4 |
| Ø4 DET, C | 49 | I8-1&2 | F&W | DE&JK | TB6-5,6&7,8 |
| Ø8 DET, C | 50 | J8-1&2 | F&W | DE&JK | TB7-5,6&7,8 |
| PED INHIBIT | 51 | - | - | - | TB9-10 |
| RR Preempt | 52 | - | - | - | TB9-11 |
| ADV ENABLE | 53 | - | - | - | TB8-2 |
| NOT ASSIGN | 54 | J11-1 | F | D | TB9-1 |
| Ø5 DET,E&C | 55 | J1-1&2 | F&W | DE&JK | TB3-1,2&3,4 |
| Ø1 DET,E&C | 56 | I1-1&2 | F&W | DE&JK | TB2-1,2&3,4 |
| Ø7 DET,E&C | 57 | J5-1&2 | F&W | DE&JK | TB5-5,6&7,8 |
| Ø3 DET,E&C | 58 | I5-1&2 | F&W | DE&JK | TB4-5,6&7,8 |
| Ø5 DET,E&C | 59 | J9-1 | F | D&E | TB7-9&10 |
| Ø1 DET,E&C | 60 | I9-1 | F | D&E | TB6-9&10 |
| Ø7 DET,E&C | 61 | J9-2 | W | J&K | TB7-11&12 |
| Ø3 DET,E&C | 62 | I9-2 | W | J&K | TB6-11&12 |
| Ø2 DET,E&C | 63 | I3-1 | F | D&E | TB2-9&10 |
| Ø6 DET,E&C | 64 | J3-1 | F | D&E | TB3-9&10 |
| Ø4 DET,E&C | 65 | I7-1 | F | D&E | TB6-1&2 |
| Ø8 DET,E&C | 66 | J7-1 | F | D&E | TB7-1&2 |
| Ph 2 Ped | 67 | I12-1 | F | D | TB8-4 |
| Ph 6 Ped | 68 | I13-1 | F | D | TB8-7 |
| Ph 4 Ped | 69 | I12-2 | W | J | TB8-5 |
| Ph 8 Ped | 70 | I13-2 | W | J | TB8-8 |
| EVA | 71 | J12-1 | F | D | TB9-4 |
| EVB | 72 | J13-1 | F | D | TB9-7 |
| EVC | 73 | J12-2 | W | J | TB9-5 |
| EVD | 74 | J13-2 | W | J | TB9-8 |
| NOT ASSIGN | 75 | J11-2 | W | J | - |
| Ø2 DET, E | 76 | I3-2 | W | J&K | TB2-11&12 |
| Ø6 DET, E | 77 | J3-2 | W | J&K | TB3-11&12 |
| Ø4 DET, E | 78 | I7-2 | W | J&K | TB6-3&4 |
| Ø8 DET, E | 79 | J7-2 | W | J&K | TB7-3&4 |
| Advance | 80 | - | - | - | TB8-1 |
| Flash Sense | 81 | - | - | - | TB8-10 |
| Stop Time | 82 | - | - | - | TB8-11 |

| Program Assigned Functions | C1 Connector | | C5 Connector | | | | Field Term. |
|----------------------------|--------------|-------------|--------------|-------------|----------|-----|-------------|
| | Pin | Termination | Pin | Switch Pack | | | |
| | | | | In | Position | Out | |
| Ø3 D.WALK | 83 | C5-1 | 1 | 6 | A6-DW | 3 | A104 |
| Ø3 WALK | 84 | C5-2 | 2 | 10 | A6-W | 7 | A106 |
| OLD RED | 85 | C5-3 | 3 | 6 | A5-R | 3 | A101 |
| OLD YELLOW | 86 | C5-4 | 4 | 8 | A5-Y | 5 | A102 |
| OLD GREEN | 87 | C5-5 | 5 | 10 | A5-G | 7 | A103 |
| OLC RED | 88 | C5-6 | 6 | 6 | A4-R | 3 | A114 |
| OLC YELLOW | 89 | C5-7 | 7 | 8 | A4-Y | 5 | A115 |
| OLC GREEN | 90 | C5-8 | 8 | 10 | A4-G | 7 | A116 |
| Ø1 D.WALK | 91 | C5-9 | 9 | 6 | A3-DW | 3 | A111 |
| DC Gnd | 92 | DC Gnd Bus | - | - | - | - | - |
| Ø1 WALK | 93 | C5-10 | 10 | 10 | A3-W | 7 | A113 |
| OLB RED | 94 | C5-11 | 11 | 6 | A2-R | 3 | A124 |
| OLB YELLOW | 95 | C5-12 | 12 | 8 | A2-Y | 5 | A125 |
| OLB GREEN | 96 | C5-13 | 13 | 10 | A2-G | 7 | A126 |
| OLA RED | 97 | C5-14 | 14 | 6 | A1-R | 3 | A121 |
| OLA YELLOW | 98 | C5-15 | 15 | 8 | A1-Y | 5 | A122 |
| OLA GREEN | 99 | C5-16 | 16 | 10 | A1-G | 7 | A123 |
| NOT ASSIGN | 100 | C5-17 | 17 | 8 | A6-Y | 5 | A105 |
| NOT ASSIGN | 101 | C5-18 | 18 | 8 | A3-Y | 5 | A112 |

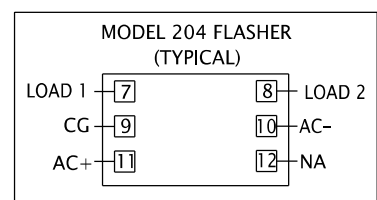
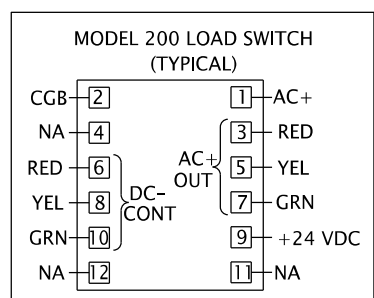
| | | | |
|-----------|-------|----------|----------------|
| FLASH OUT | 102 | T15-3"l" | Monitor-Pin 22 |
| Watchdog | 103 | C4-37 | |
| Input Gnd | 104 | T15-4"j" | |
| 19 | - | NC | - |
| 20 | - | NC | - |
| 21 | - | NC | - |
| 22 | - | NC | - |
| 23 | - | NC | - |
| 24 | TB1-1 | All | 9 +24VDC |

CONFLICT MONITOR - TYPICAL CONNECTOR PIN ASSIGNMENTS

| Term | Function | Pin | CHANNEL ASSIGNMENTS (TYPICAL) | | Pin | Function | Term |
|---------|--------------|-----|--|--------|------------|----------|------|
| 130 | SP2-G | 1 | Ch | PH | A | SP2-Y | 129 |
| 115 | SP3-W | 2 | | | B | SP8-G | 136 |
| 135 | SP8-Y | 3 | C | SP9-W | 121 | | |
| 103 | SP5-G | 4 | D | SP5-Y | 102 | | |
| 106 | SP6-W | 5 | E | SP11-G | 109 | | |
| 108 | SP-11Y | 6 | F | SP12-W | 112 | | |
| 133 | SP7-G | 7 | 1 | 1 | H | SP7-Y | 132 |
| 114 | SP3-Y | 8 | 2 | 2 | J | SP1-G | 127 |
| 126 | SP1-Y | 9 | 3 | 3 | K | SP9-Y | 120 |
| 124 | SP10-G | 10 | 4 | 4 | L | SP10-Y | 123 |
| 105 | SP6-Y | 11 | 5 | 5 | M | SP4-G | 118 |
| 117 | SP4-Y | 12 | 6 | 6 | N | SP12-Y | 111 |
| A123 | ASPI-G | 13 | 7 | 7 | P | NC | - |
| - | NC | 14 | 8 | 8 | R | ASP2-G | A126 |
| - | T&B | 15 | 9 Ø1FYA/YA Ø1BL, Ø3FYA/YA Ø1OLC, Ø5FYA/YA Ø1OLD, Ø7FYA/YA 2PED 4PED 6PED 8PED | S | ASP4-G | A116 | |
| - | T&B | 16 | | T | NC | - | |
| - | NC | 17 | | U | T&B | - | |
| - | T&B | 18 | | V | ASP5-G | A103 | |
| - | NC | 19 | | W | NC | - | |
| TB01-9 | EQ Gnd | 20 | | X | NC | - | |
| TB01-10 | AC- | 21 | | Y | DC Gnd | TB02-2 | |
| C4-37 | Watch Dog | 22 | | Z | Ext. Reset | TB02-5 | |
| TB02-1 | +24VDC | 23 | | AA | T&B | - | |
| LRCOLL | Interlock | 24 | | BB | Stop Time | TB02-3 | |
| TB02-2 | Interlock | 25 | | CC | NC | - | |
| - | NC | 26 | | DD | NC | - | |
| - | NC | 27 | | EE | Clapper | TB01-12 | |
| TB01-11 | Norm. Closed | 28 | FF | AC+ | TB01-11 | | |

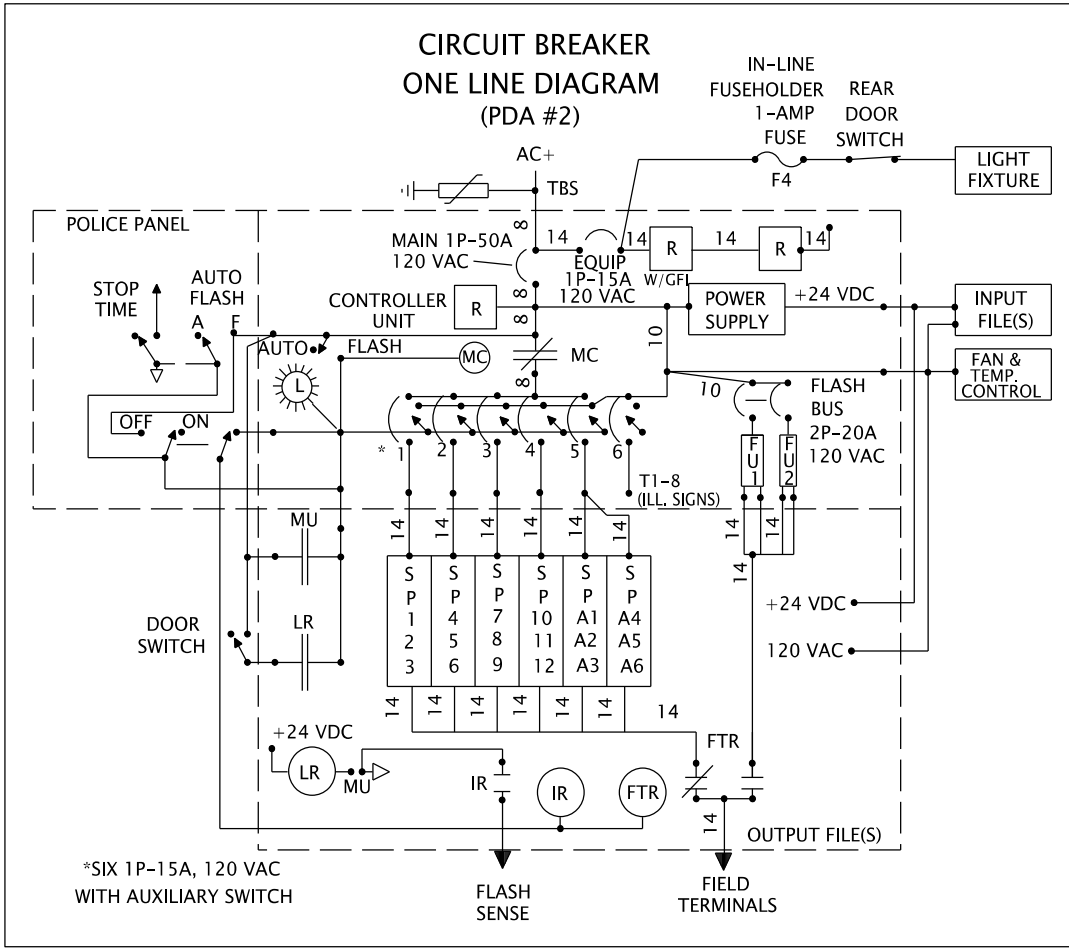
T&B= Tied & Bundled

CONFLICT MONITOR - TYPICAL WIRING

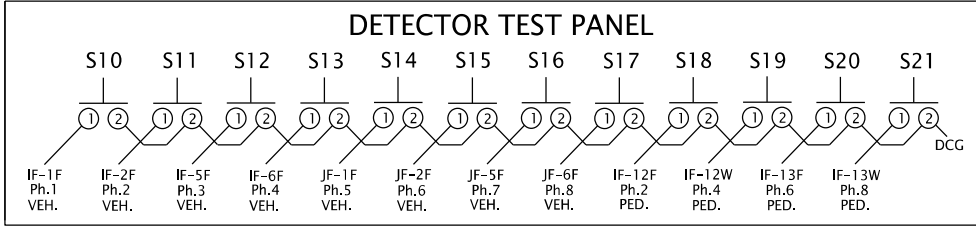
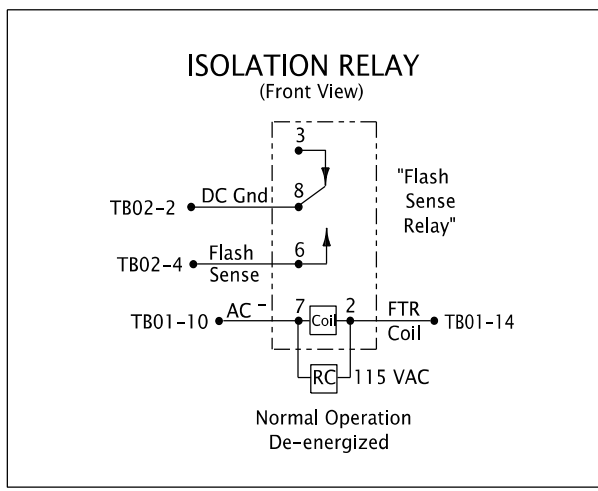
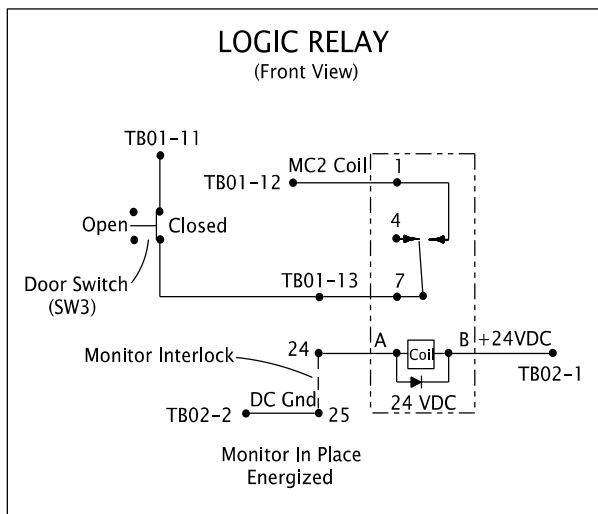
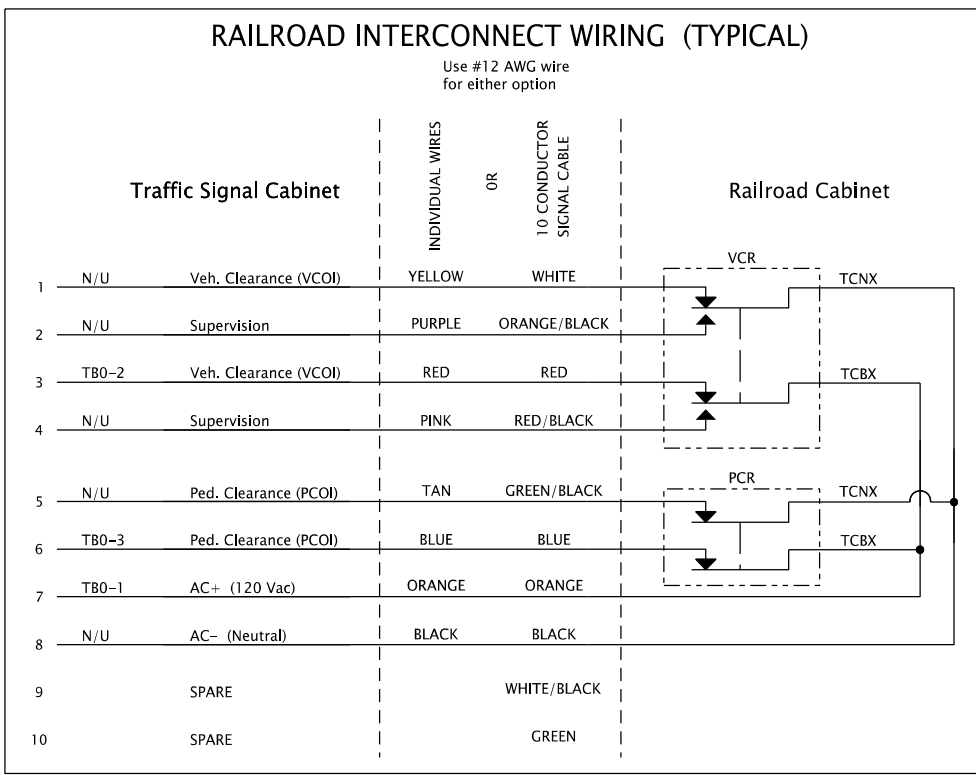
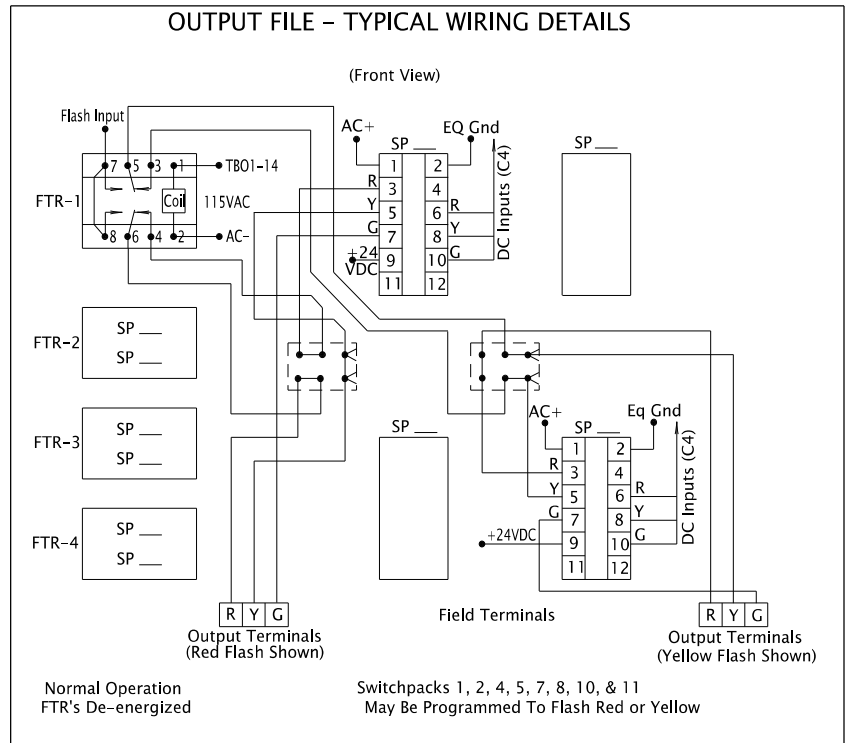
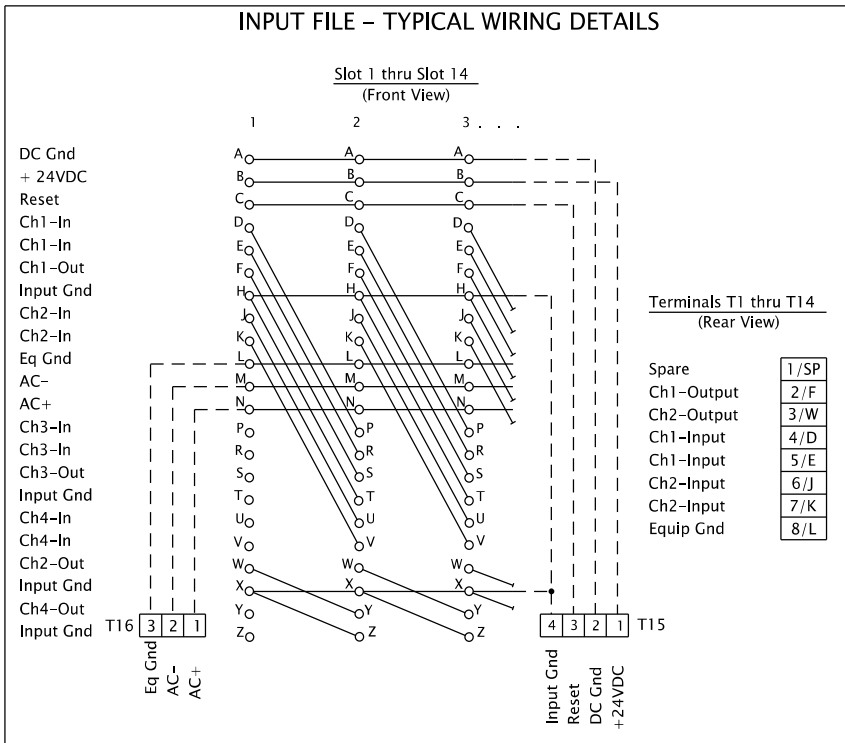


INTERSECTION: **Main Street @**
Cross Street
 Any Town
 HWY#: XXX M.P.:#:XXX.XX TSSU ID#: XXXXX

332_SDL_Cabinet_11X17.dgn :: Default 10/27/2022 11:44:41 AM hwym26p



- SURGE PROTECTORS
- TBS TERMINAL BLOCK-SERVICE
- EQUIPMENT GROUND
- PDA POWER DISTRIBUTION ASSEMBLY
- WIRE SIZE, IF NOT INDICATED SHALL BE # 14 AWG
- CIRCUIT BREAKER
- DUPLEX RECEPTACLE
- W/GFI WITH GROUND FAULT INTERRUPTER
- RELAY CONTACT, NORMALLY CLOSED
- RELAY CONTACT, NORMALLY OPEN
- MC MERCURY CONTACTOR
- RELAY COIL-- RELAY NAME
- DC GROUND
- FU1 FLASHER UNIT ONE
- FR FLASH RELAY
- WDT WATCHDOG TIMER
- FTR FLASH TRANSFER RELAY
- PDA FLASH ON DISPLAY LAMP
- DR SW DOOR SWITCH, SHOWN WITH DOOR OPEN
- CB-1 SIGNAL CIRCUIT BREAKER 1 (SECONDARY)
- TR TRANSFER RELAY
- IR ISOLATION RELAY
- LR LOGIC RELAY
- IFI-14D INPUT FILE "I", TERM BLOCK "14", POSITION "D"



INTERSECTION: **Main Street @ Cross Street**
 Any Town
 HWY#: XXX M.P.#: XXX.XX TSSU ID#: XXXXX

Place Intersection Diagram, phase and Fire rotations,
and any other applicable information on this sheet.
See Examples At Right Of Cabinet Print For Sheet 5.

INTERSECTION: Main Street @
Cross Street Any Town
HWY#: XXX M.P.#: XXX.XX TSSU ID#: XXXXX

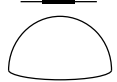
Place Detection Diagram Per Instructions. See Examples At
Right Of Cabinet Print For Sheet 6. Place any other applicable
information on this sheet.

INTERSECTION: Main Street @
Cross Street Any Town
HWY#: XXX M.P.#: XXX.XX TSSU ID#: XXXXX

Have Agency Signal Techs or Electricians Verify the Diode Card Information If You Are Not Sure.

REMOVE ALL INFORMATION ABOVE DIODE CARD WHEN PRINT IS COMPLETED

NOTE:

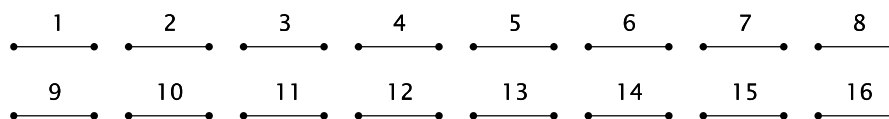
1. FILL IN CHANNEL ASSIGNMENTS WITH PHASING. Ch.1 Ph 1, Ph 5,OLA,Ped 2,NU
2. REMOVE YELLOW INHIBIT JUMPERS AS NEEDED. —
3. REMOVE DIODES FOR ALLOWED PHASING. —
4. PLACE SHAPE AROUND REMOVED DIODES. 

CONFLICT MONITOR DIODE CARD

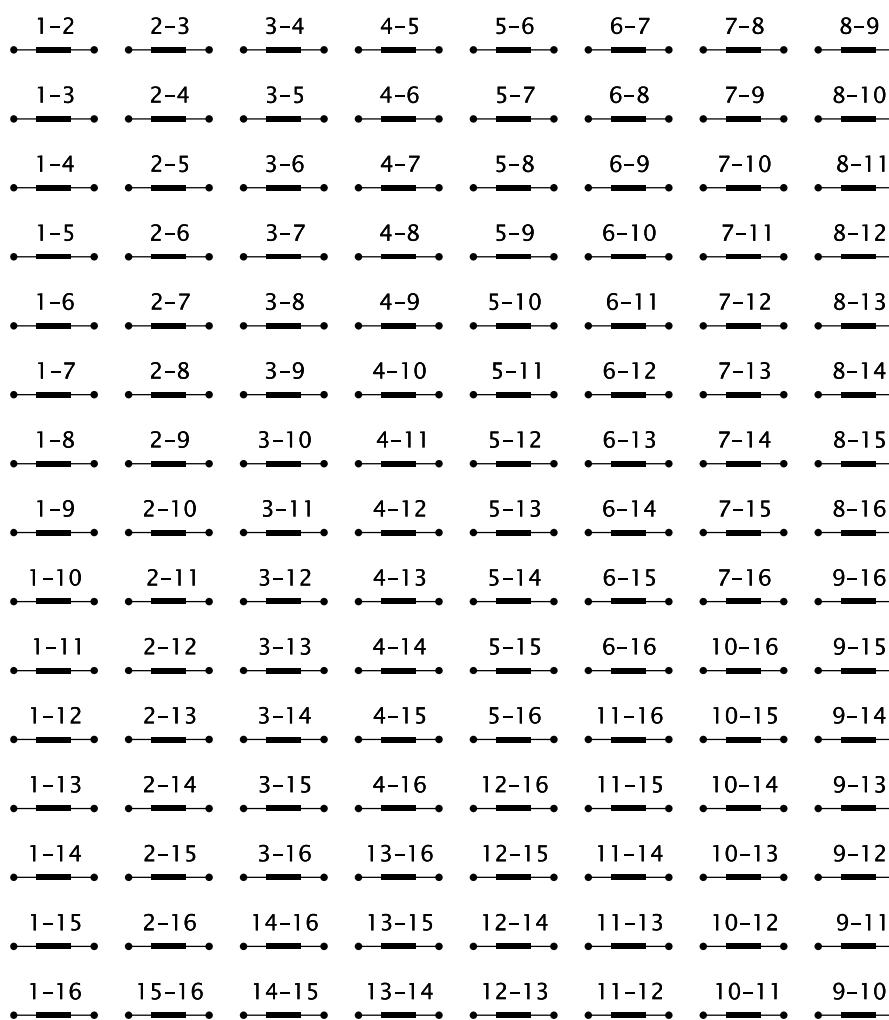
CHANNEL ASSIGNMENT

| | | | |
|------------------|------------------|--------------------------|--------------------|
| Ch.1 <u>Ph 1</u> | Ch.5 <u>Ph 5</u> | Ch.9 <u>Ph 1 FYA/YA</u> | Ch.13 <u>Ped 2</u> |
| Ch.2 <u>Ph 2</u> | Ch.6 <u>Ph 6</u> | Ch.10 <u>Ph 3 FYA/YA</u> | Ch.14 <u>Ped 4</u> |
| Ch.3 <u>Ph 3</u> | Ch.7 <u>Ph 7</u> | Ch.11 <u>Ph 5 FYA/YA</u> | Ch.15 <u>Ped 6</u> |
| Ch.4 <u>Ph 4</u> | Ch.8 <u>Ph 8</u> | Ch.12 <u>PH 7 FYA/YA</u> | Ch.16 <u>Ped8</u> |

YELLOW INHIBIT JUMPERS



DIODES - Diode Removed Makes Movement Allowable (Diode IN4148)



INTERSECTION: Main Street @
Cross Street
Any Town
 HWY#: XXX M.P.#: XXX.XX TSSU ID#: XXXXX