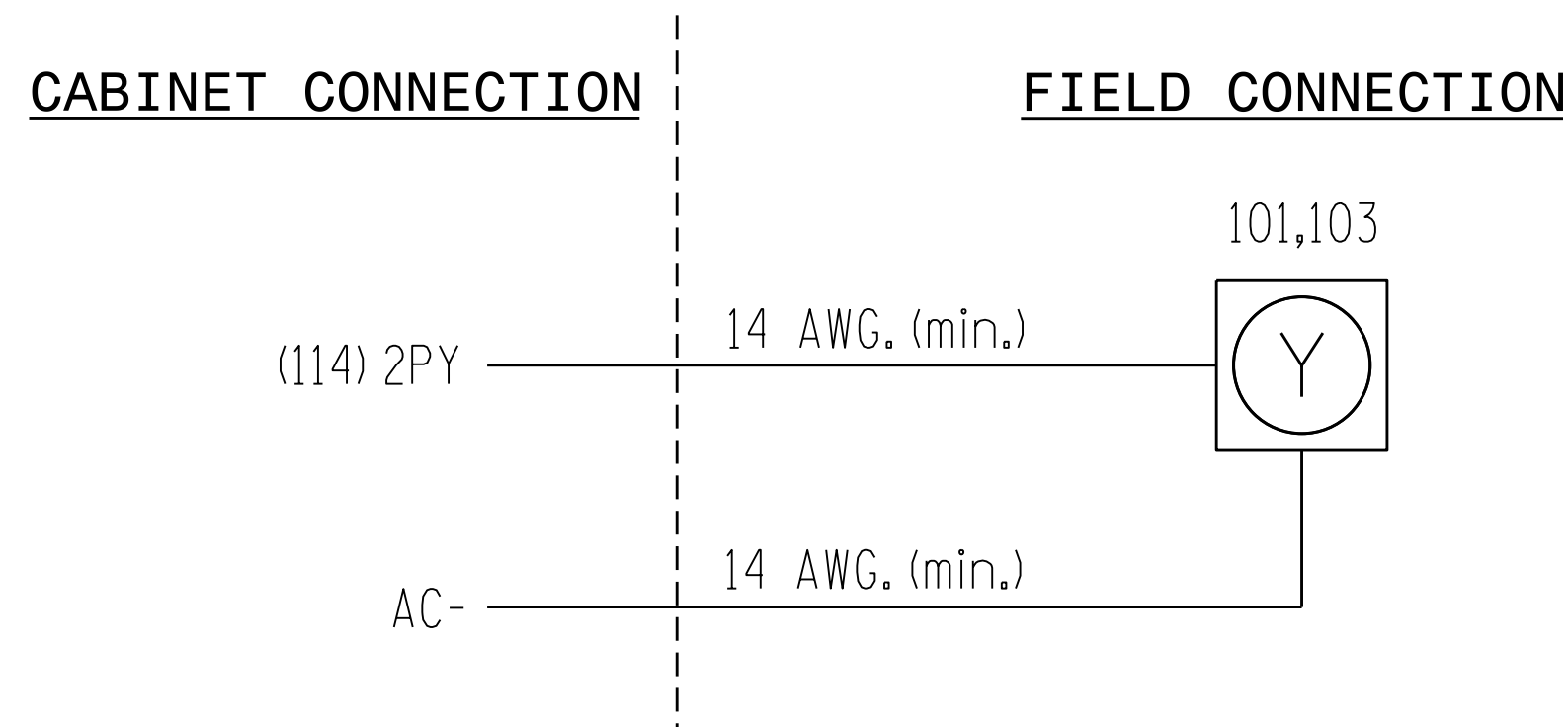


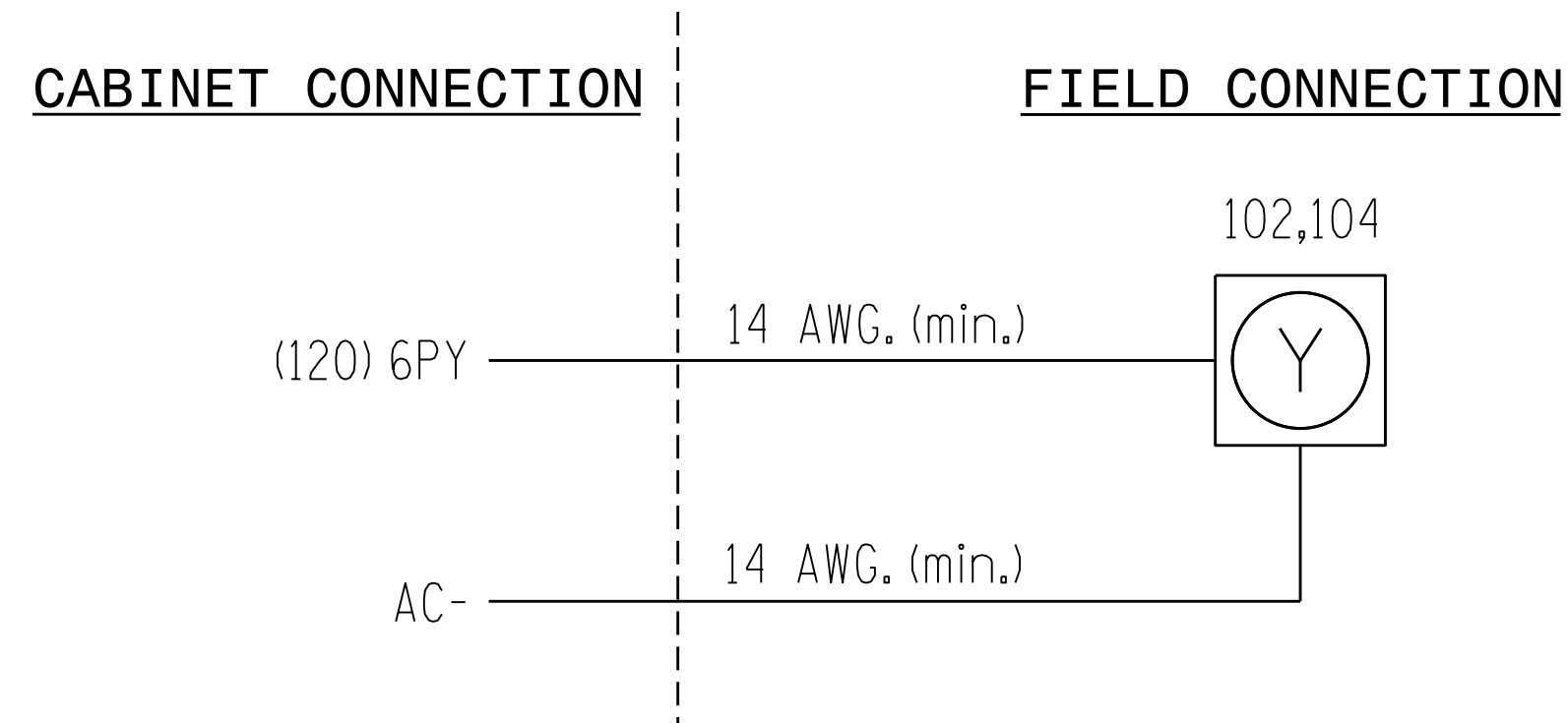
SCHOOL FLASHER (101,103)

(wire flashers as shown below)



SCHOOL FLASHER (102,104)

(wire flashers as shown below)



IMPORTANT

- 1. Ensure that the white keyed plug located behind rear panel of output file labeled 2PY-4PY-6PY-8PY is disconnected. This will disconnect conflict monitor wires from field signal terminals 114 and 120 shown on flasher wiring detail above.
2. Install loadswitches in output file slots S3 and S9.
3. To activate school zone flasher operation as indicated on the signal plan, program outputs 33 and 34 as shown on this sheet.
4. Operational times and dates are determined by the DTE. See this sheet for the scheduling programming detail.

EVENT #1 SCHEDULING (AM) SCHOOL FLASHER PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'B' (SCHEDULING).

SCHEDULED EVENT #1 NOT ASSIGNED\* START DATE (MM/DD)...\*\*/\*\* END DATE (MM/DD)...\*\*/\*\* START TIME (HH:MM)...\*\*/\*\* STOP TIME (HH:MM)...\*\*/\*\* DOW ISUN MON TUE WED THR FRI SAT ENABLED 1 X X X X X X EVENT GROUPS 12345678910111213141516 ASSIGNED
DELETE EVENT WHEN COMPLETED?...N CONTINUOUS EVENT?...N INVERT EVENT?...N SELECT 1 EVENT TYPE: EVENT GROUP (1-16)... PLAN (65=FLSH,66=FREE)... OFFSET#... PLAN PRIORITY: LOW... MED... HIGH... CAHNGE PHASE SEQUENCE PAGE (1-12)... CHANGE PHASE TIMING PAGE (1-4)... CHANGE PHASE CONTROL PAGE (1-4)... CHANGE OVERLAP CONTROL PAGE (1-4)... CHANGE INPUT PAGE (1-4)... CHANGE OUTPUT PAGE (1-4)... SET OUTPUT ON (1-64)...33 SET OUTPUT OFF (1-64)... SET INPUT ON (1-64)... SET INPUT OFF (1-64)... ENABLE FAILURES LOG?... ENABLE EVENTS LOG?... ENABLE DATA ENTRIES LOG?... ENABLE COORDINATION PLANS LOG?... ENABLE SPECIAL FUNCTIONS LOG?... ENABLE SLIT MONITOR LOG?... ENABLE DETECTOR DATA LOG?... ENABLE DETECTOR (1-64)... ENABLE DETECTOR DIAGNOSTICS (1-64)... ENABLE DET STRETCH / DELAY (1-64)... ENABLE DET STOP BAR MODE (1-64)... SET LOGIC FLAG ON (1-16)... SET LOGIC FLAG OFF (1-64)... OVERRIDE PHASE CONTROL FUNCTIONS?...

EVENT #2 SCHEDULING (PM) SCHOOL FLASHER PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'B' (SCHEDULING).

SCHEDULED EVENT #2 NOT ASSIGNED\* START DATE (MM/DD)...\*\*/\*\* END DATE (MM/DD)...\*\*/\*\* START TIME (HH:MM)...\*\*/\*\* STOP TIME (HH:MM)...\*\*/\*\* DOW ISUN MON TUE WED THR FRI SAT ENABLED 1 X X X X X X EVENT GROUPS 12345678910111213141516 ASSIGNED
DELETE EVENT WHEN COMPLETED?...N CONTINUOUS EVENT?...N INVERT EVENT?...N SELECT 1 EVENT TYPE: EVENT GROUP (1-16)... PLAN (65=FLSH,66=FREE)... OFFSET#... PLAN PRIORITY: LOW... MED... HIGH... CAHNGE PHASE SEQUENCE PAGE (1-12)... CHANGE PHASE TIMING PAGE (1-4)... CHANGE PHASE CONTROL PAGE (1-4)... CHANGE OVERLAP CONTROL PAGE (1-4)... CHANGE INPUT PAGE (1-4)... CHANGE OUTPUT PAGE (1-4)... SET OUTPUT ON (1-64)...33 SET OUTPUT OFF (1-64)... SET INPUT ON (1-64)... SET INPUT OFF (1-64)... ENABLE FAILURES LOG?... ENABLE EVENTS LOG?... ENABLE DATA ENTRIES LOG?... ENABLE COORDINATION PLANS LOG?... ENABLE SPECIAL FUNCTIONS LOG?... ENABLE SLIT MONITOR LOG?... ENABLE DETECTOR DATA LOG?... ENABLE DETECTOR (1-64)... ENABLE DETECTOR DIAGNOSTICS (1-64)... ENABLE DET STRETCH / DELAY (1-64)... ENABLE DET STOP BAR MODE (1-64)... SET LOGIC FLAG ON (1-16)... SET LOGIC FLAG OFF (1-64)... OVERRIDE PHASE CONTROL FUNCTIONS?...

\* AFTER PROGRAMMING, THIS SPACE WILL READ 'OUTPUT OVERRIDE'. \*\*/\*\* TIMES AND DATES DETERMINED BY THE DTE.

SCHOOL FLASHER OUTPUT ASSIGNMENT PROGRAMMING DETAIL

(program controller as shown below)

- 1. FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '1' (OUTPUT ASSIGNMENTS).
2. WITH CURSOR IN "OUTPUT ASSIGNMENT #" FIELD, USE '+' KEY TO FIND THE OUTPUT ASSIGNMENT NUMBER 33, AS SHOWN BELOW.
3. PROGRAM CONTROLLER AS SHOWN:

PAGE:1 C1 PIN:35 NOT ENABLED OUTPUT ASSIGNMENT #...33 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...1.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...50 MODE (0=SOLID, 1=FLASH)...1 SELECT ASSIGNMENT: NOT ENABLED...Y VEHICLE PHASE... PEDESTRIAN PHASE... VEHICLE OVERLAP... PEDESTRIAN OVERLAP... WATCHDOG... DETECTOR RESET... ADVANCE BEACON... OUT OF PHASE FLASHER... CONTROLLER FLASH... RUN FREE... RESERVED... PREEMPT... SOFT PREEMPT... ANY PREEMPT... COORDINATION PLAN... OFFSET... PHASE CHECK... PHASE ON... PHASE NEXT...

THE FIRST THREE PROGRAMMING ROWS DEFINE THE OUTPUT TO FLASH, ALONG WITH THE RATE IN WHICH IT WILL FLASH. LEAVE THIS ENTRY AS IS

PRESS '+' KEY FOR OUTPUT ASSIGNMENT 34 (C1 PIN 36)

PAGE:1 C1 PIN:36 NOT ENABLED OUTPUT ASSIGNMENT #...34 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...0 MODE (0=SOLID, 1=FLASH)...0 SELECT ASSIGNMENT: NOT ENABLED...Y VEHICLE PHASE... PEDESTRIAN PHASE... VEHICLE OVERLAP... PEDESTRIAN OVERLAP... WATCHDOG... DETECTOR RESET... ADVANCE BEACON... OUT OF PHASE FLASHER... CONTROLLER FLASH... RUN FREE... RESERVED... PREEMPT... SOFT PREEMPT... ANY PREEMPT... COORDINATION PLAN... OFFSET... PHASE CHECK... PHASE ON... PHASE NEXT...

THE NOT ENABLED "Y" WILL REMAIN UNTIL FUNCTION OF THIS OUTPUT IS CHANGED. DO NOT ENTER A "Y".

PAGE:1 C1:36 NOT ENABLED SELECT OUTPUT ASSIGNMENT (1-64)...33

WHEN A "Y" IS ENTERED FOR "OUT OF PHASE FLASHER" THE SCREEN SHOWN ABOVE WILL APPEAR. ENTER DATA AS SHOWN. PRESS ENTER AFTER ENTERING DATA. THEN ESC.

DISPLAY WILL NOW SHOW THE SPECIFIED OUTPUT ASSIGNED AS "OUT OF PHASE FLASHER" AS SHOWN BELOW:

PAGE:1 C1 PIN:36 OUT OF PHASE FLASHER OUTPUT ASSIGNMENT #...34 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...0 MODE (0=SOLID, 1=FLASH)...0 SELECT ASSIGNMENT: NOT ENABLED...Y VEHICLE PHASE... PEDESTRIAN PHASE... VEHICLE OVERLAP... PEDESTRIAN OVERLAP... WATCHDOG... DETECTOR RESET... ADVANCE BEACON... OUT OF PHASE FLASHER... CONTROLLER FLASH... RUN FREE... RESERVED... PREEMPT... SOFT PREEMPT... ANY PREEMPT... COORDINATION PLAN... OFFSET... PHASE CHECK... PHASE ON... PHASE NEXT...

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-0813 DESIGNED: July 2014 SEALED: 3/27/2015 REVISED: N/A

Electrical Detail - Sheet 2 of 2

Professional Engineer Seal for George C. Brown, License No. 12881ED08E8434, State of North Carolina. Includes project information: NC 610 (E. Fairfield Road) at SR 1193 (Baker Road), Division 7, Guilford County, High Point. Prepared by: C. Strickland, July 2014. Reviewed by: T. Joyce. Date: 4/10/2015.

10-0813-2015 11-1-01 S:\IT\SS\11-1-01\SIGMA\WORK\KIP\0813\_Sig\_e\_xxx.dgn