

| POWER SUPPLY |         |        |                       |         |                              |                     |                         |          |                                    |              |                  |                 |
|--------------|---------|--------|-----------------------|---------|------------------------------|---------------------|-------------------------|----------|------------------------------------|--------------|------------------|-----------------|
| LOCATION     |         |        | POWER SUPPLY ASSEMBLY |         | CIRCUIT BREAKER TRIP RATING* |                     |                         |          | LIGHTING CONTROL (ON POWER SUPPLY) |              | SERVICE POLE     |                 |
| APPROACH     | STATION | OFFSET | DRAWING               | DRAWING | AUXILIARY BREAKER            | CONT & SIGNAL LAMPS | POWER SUPPLY DISCONNECT |          | 120 VOLT CONTROL CABINET           | MAIN BREAKER | CONTRACT FURNISH | UTILITY COMPANY |
|              |         |        | 902.15                |         |                              |                     | SIGNALS                 | LIGHTING |                                    |              |                  |                 |
| HIGHWAY N    | 11+01   | 67' L  | Type 2                |         | 15 Amps                      | 40 Amps             | 40 Amps                 | 40 Amps  | 1                                  | 15 Amps      | CL               | FL              |
|              |         |        | Type                  |         | Amps                         | Amps                | Amps                    | Amps     |                                    | Amps         | CL               | FL              |

| CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT |         |        |                             |     |          |     |                       |     |               |   |                             |        |                          |  |                       |                  |                          |      |               |        |        |  |
|---|---------|--------|-----------------------------|-----|----------|-----|-----------------------|-----|---------------|---|-----------------------------|--------|--------------------------|--|-----------------------|------------------|--------------------------|------|---------------|--------|--------|--|
| LOCATION                                    |         |        | SYSTEM MASTER (CLOSED LOOP) |     | ACTUATED |     | SOLID STATE PRE-TIMED |     | ON-OFF SWITCH |   | COORDINATION INTERFACE *    |        |                          |  | TONE UNIT *           |                  | TIME * 170 CABINET TYPE* |      | 170 SOFTWARE* |        |        |  |
| APPROACH                                    | STATION | OFFSET | NEMA                        | 170 | NEMA     | 170 | TYPE                  |     | TYPE          |   | 12C/7C HARDWARE OR TONE (1) |        | CLOSED LOOP FIBER OPTICS |  | TRANS-MITTER (MASTER) | RECEIVER (LOCAL) | CLOCK                    | 332A | 336S          | BITRAN | WAPITI |  |
| HIGHWAY N                                   | 11+11   | 54' L  |                             |     | 1 (3)    |     | S-M                   | S-S | S-N           | I | II                          | MASTER | LOCAL                    |  |                       |                  |                          |      | 1 (4)         |        |        |  |

| DETECTOR SCHEDULE |                   |             |                    |                |                  |          |                |
|-------------------|-------------------|-------------|--------------------|----------------|------------------|----------|----------------|
| DETECTOR NUMBER   | APPROACH          | PUSH BUTTON | TYPE               |                |                  |          |                |
|                   |                   |             | INDUCTION LOOP (2) |                | MAGNETOMETER (2) |          |                |
|                   |                   |             | STANDARD           | DELAY/EXTEND * | CALL UNIT *      | STANDARD | DELAY/EXTEND * |
| 10                | EBL HIGHWAY N     |             | 1                  |                |                  |          |                |
| 11                | EBL HIGHWAY N     |             | 1                  |                |                  |          |                |
| 61                | EB HIGHWAY N      |             | 1                  |                |                  |          |                |
| 62                | EB HIGHWAY N      |             | 1                  |                |                  |          |                |
| 63                | EB HIGHWAY N      |             | 1                  |                |                  |          |                |
| 64                | EB HIGHWAY N      |             | 1                  |                |                  |          |                |
| 50                | WBL HIGHWAY N     |             | 1                  |                |                  |          |                |
| 51                | WBL HIGHWAY N     |             | 1                  |                |                  |          |                |
| 21                | WB HIGHWAY N      |             | 1                  |                |                  |          |                |
| 22                | WB HIGHWAY N      |             | 1                  |                |                  |          |                |
| 23                | WB HIGHWAY N      |             | 1                  |                |                  |          |                |
| 24                | WB HIGHWAY N      |             | 1                  |                |                  |          |                |
| 41                | SB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 42                | SB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 43                | SB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 44                | SB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 45                | SB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 46                | SB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 81                | NB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 82                | NB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 83                | NB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| 84                | NB COMM. ENTRANCE |             | 1                  |                |                  |          |                |
| TOTAL             |                   |             | 22                 |                |                  |          |                |

- \*ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
- MHTD "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE OR TONE INTERCONNECT.
  - IF 2-CHANNEL DETECTORS ARE USED, PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.
  - CONTROLLER SHALL HAVE AN INTERNAL FIBER OPTIC MODEM.
  - FOR FIBER OPTIC INTERCONNECT (6sm + 6mm).

| NEMA DETECTOR ASSIGNMENT |        |        |       |       |       |       |       |       |       |       |       |
|--------------------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CARD POSITION            |        |        |       |       |       |       |       |       |       |       |       |
|                          | 1      | 2      | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    |
| CHANNEL                  | 11     | 51     | 63    | 64    | 23    | 24    | 44    | 45    | 46    | 83    | 84    |
|                          | #1 EBL | #5 WBL | #6 EB | #6 EB | #2 WB | #2 WB | #4 SB | #4 SB | #4 SB | #8 NB | #8 NB |
| CHANNEL                  | 10     | 50     | 61    | 62    | 21    | 22    | 41    | 42    | 43    | 81    | 82    |
|                          | #1 EBL | #5 WBL | #6 EB | #6 EB | #2 WB | #2 WB | #4 SB | #4 SB | #4 SB | #8 NB | #8 NB |

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = 11 (2)

| NEMA LOAD SWITCH ASSIGNMENTS |       |   |       |        |       |   |       |   |    |    |    |
|------------------------------|-------|---|-------|--------|-------|---|-------|---|----|----|----|
| 1                            | 2     | 3 | 4     | 5      | 6     | 7 | 8     | 9 | 10 | 11 | 12 |
| #1 EBL                       | #2 WB |   | #4 SB | #5 WBL | #6 EB |   | #8 NB |   |    |    |    |

**PRELIMINARY**  
DO NOT USE FOR CONSTRUCTION  
DATE 11/17/98

| 170 INPUT FILE ASSIGNMENTS |   |   |   |   |   |   |   |   |   |    |    |    |    |    |
|----------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| CHANNEL                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| "I"                        | U |   |   |   |   |   |   |   |   |    |    |    |    |    |
|                            | L |   |   |   |   |   |   |   |   |    |    |    |    |    |
| "J"                        | U |   |   |   |   |   |   |   |   |    |    |    |    |    |
|                            | L |   |   |   |   |   |   |   |   |    |    |    |    |    |

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

| 170 OUTPUT FILE ASSIGNMENTS |  |  |  |  |  |         |
|-----------------------------|--|--|--|--|--|---------|
| FR1                         |  |  |  |  |  | MONITOR |
| FR2                         |  |  |  |  |  |         |
| FR3                         |  |  |  |  |  |         |
| FR4                         |  |  |  |  |  |         |

| 170 AUXILIARY OUTPUT FILE |  |  |  |  |  |   |
|---------------------------|--|--|--|--|--|---|
| FR5                       |  |  |  |  |  | X |
| FR6                       |  |  |  |  |  |   |

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