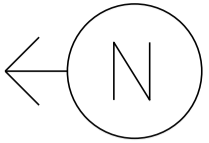


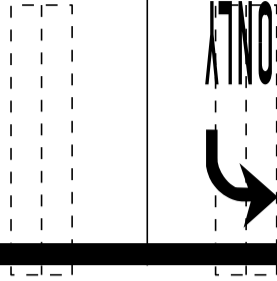
MS # 577



8

3

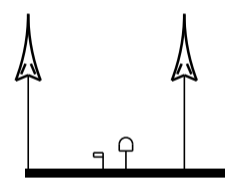
US 2 WEST



GRAVEL DRIVE

6

8 3 B



4 4

5

5

JB

2

2

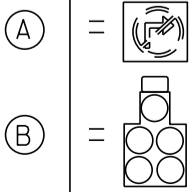
BOXWOOD DRIVE

JB

JB



JB



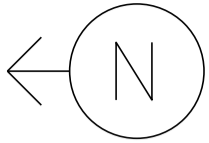
US 2 EAST

4

- PEDESTAL POST
- PEDESTRIAN SIGNAL
- PREEMPTION DETECTOR
- PREEMPTION STROBE
- L.E.D REGULATORY SIGN
- CONTROL BOX
- MAST ARM
- LOOP DETECTION
- JUNCTION BOX
- LUMINAIRE
- STANCHION

NOT TO SCALE

MS # 577



11'

LANE LINE 125'

ONLY



12'

US 2 WEST

STOP BAR 24'

STOP BAR 11'

10'

12'

CROSSWALK 24'

BOXWOOD DRIVE

GRAVEL DRIVE

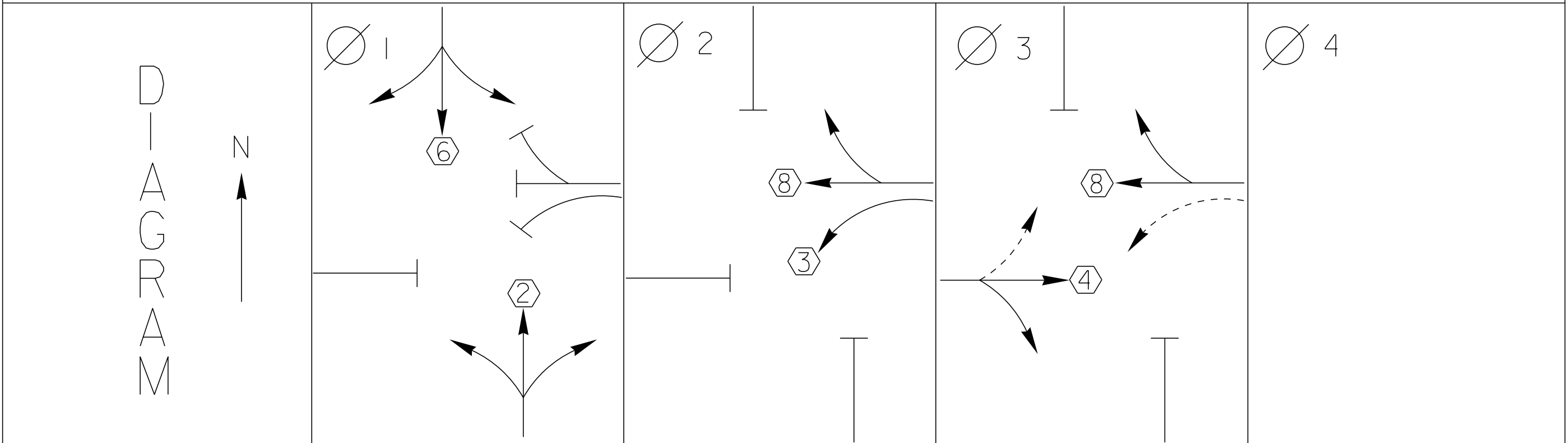
STOP BAR 11'

US 2 EAST

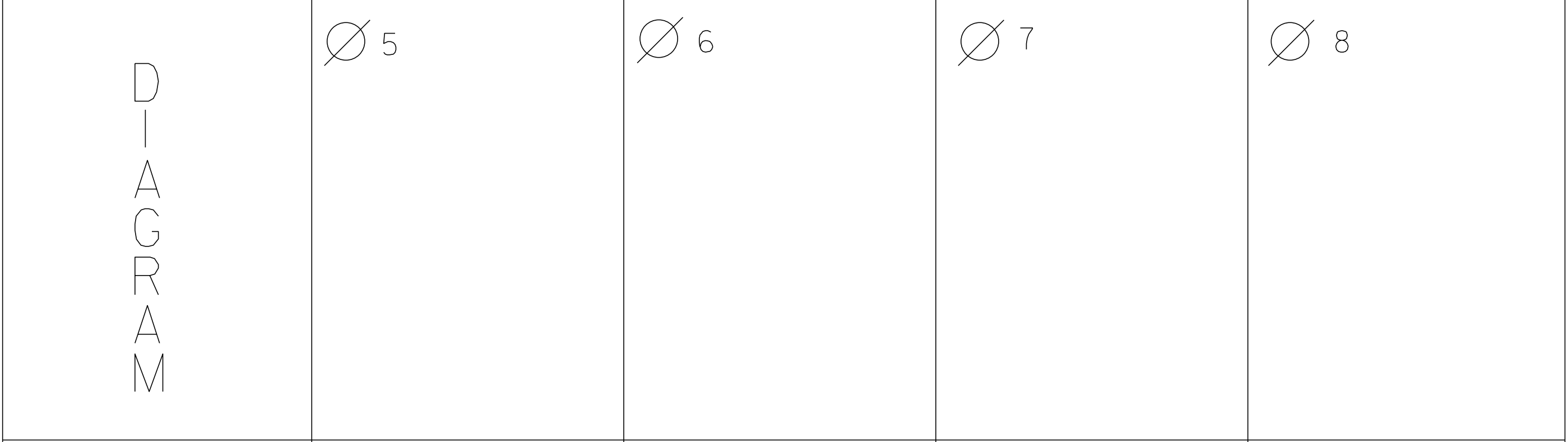
12'

11'

NOT TO SCALE



| | | | | |
|--------|----------------|----------------|----------------|----------------|
| TIMING | $G =$ $Y =$ | $G =$ $Y =$ | $G =$ $Y =$ | $G =$ $Y =$ |
|--------|----------------|----------------|----------------|----------------|



| | | | | |
|--------|----------------|----------------|----------------|----------------|
| TIMING | $G =$ $Y =$ | $G =$ $Y =$ | $G =$ $Y =$ | $G =$ $Y =$ |
|--------|----------------|----------------|----------------|----------------|

| | | | | |
|--|--------------------|--|--------------------------------------|--------------------------|
|  | PROTECTED TURNS |  | PERMITTED TURNS PEDESTRIAN | CYCLE LENGTH, C= _____ S |
|--|--------------------|--|--------------------------------------|--------------------------|



PROPERTY OF
VT. AGENCY OF TRANS.
MAINTENANCE DIV.

IN EMERGENCY CALL:
DIST. TRANS. OFFICE

NIGHT & WEEKENDS:

[REDACTED]

INTERSECTION NO.

[REDACTED]

[REDACTED]

WOOD ST PVT

WARNING
DO NOT OPERATE
CABINET WITHOUT
CONFLICT MONITOR UNIT

TURN ON
TO 2X OF

DANGER
115 VOLTS A.C.

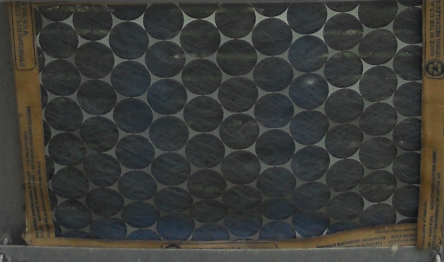
CONTROLLER
ON
OFF

SIGNALS
AUTO
FLASH

STOP TIME
AUTO
OFF
ON

ECONOLITE

Technical specifications and maintenance information sheet.



WARNING

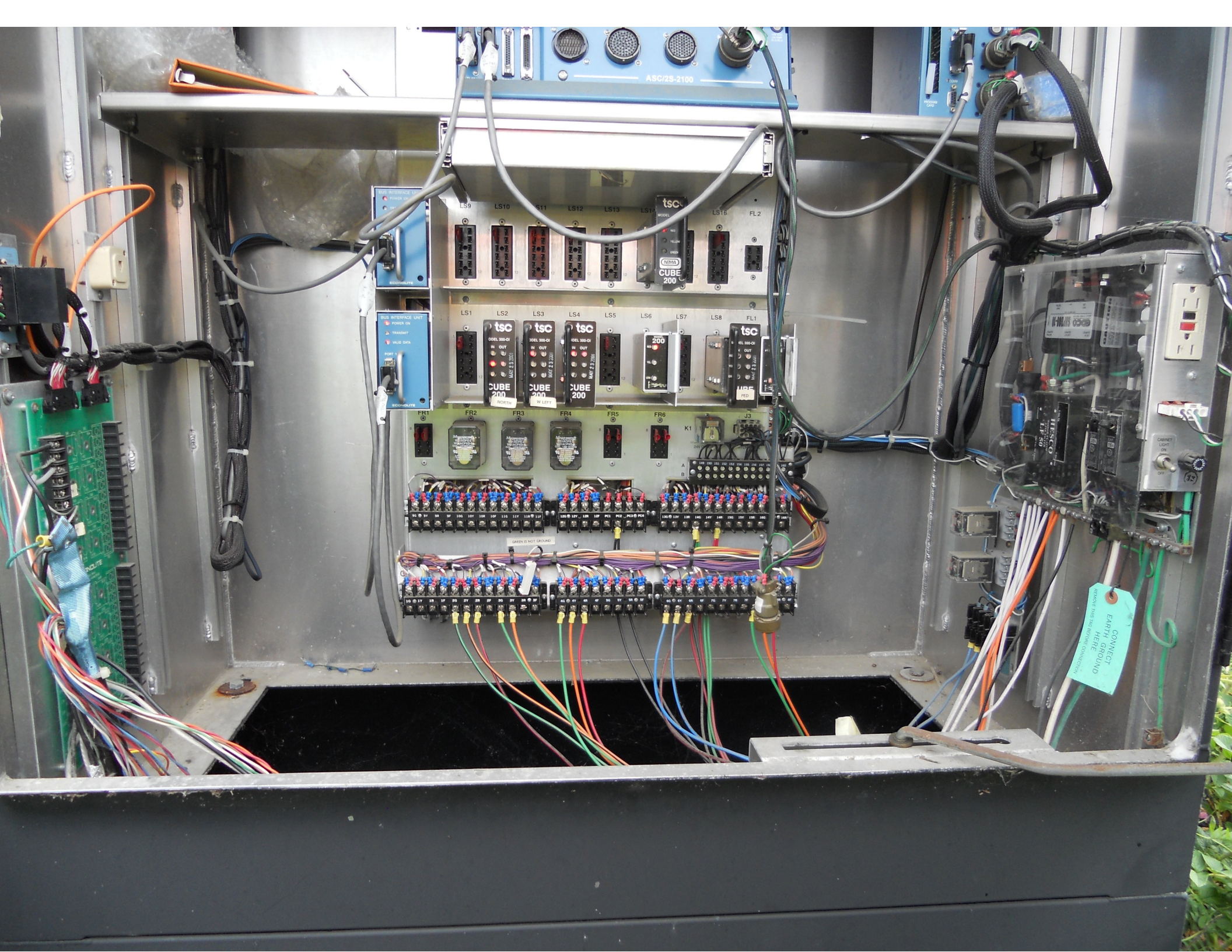
DO NOT OPERATE
CABINET WITHOUT
CONFLICT MONITOR UNIT

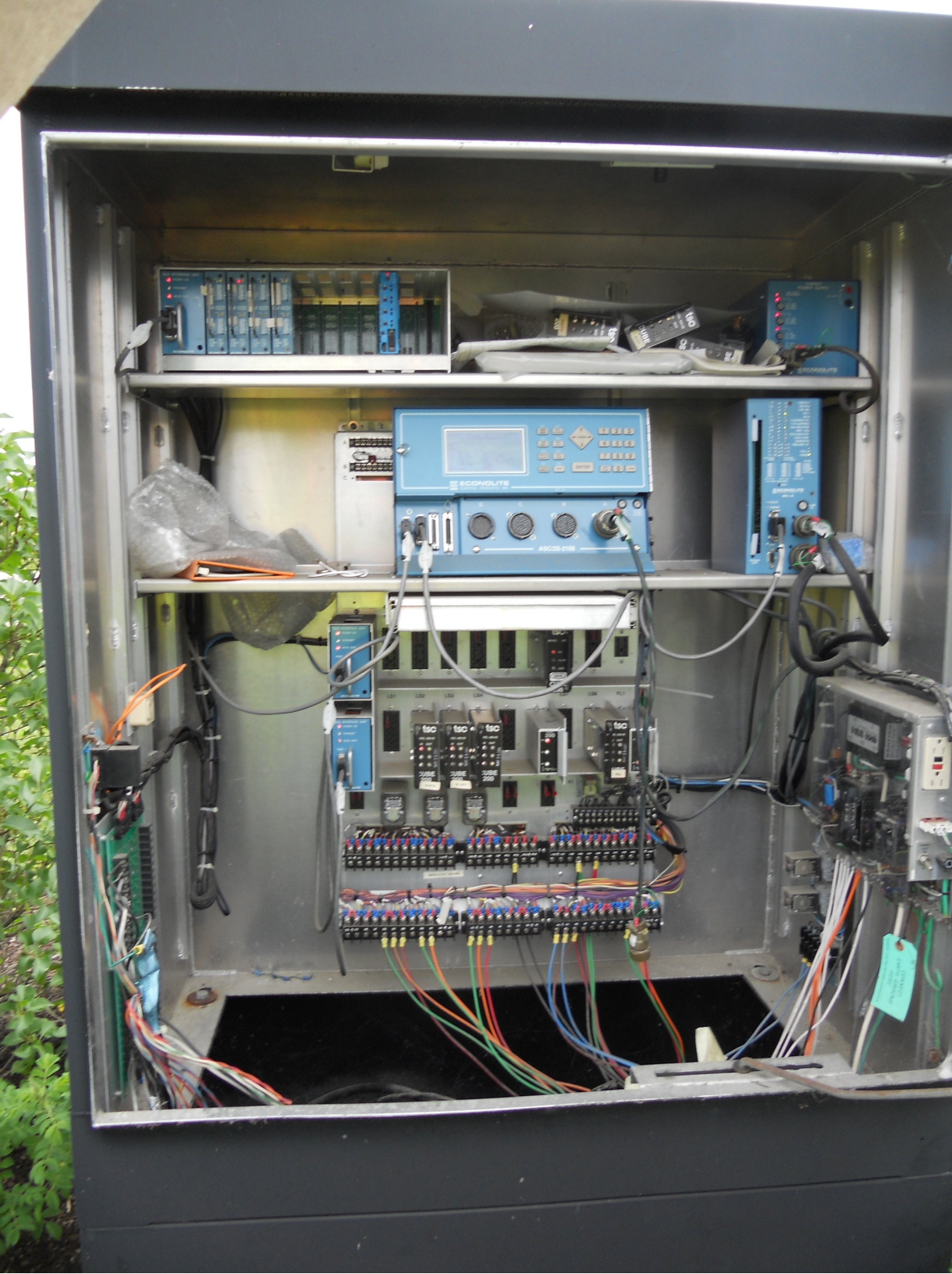
TURN ON

10 26 01

DANGER

115 VOLTS





BUS INTERFACE UNIT

- POWER ON
- TRANSMIT
- VALID DATA

PORT

LM 622t

LM 622t

LM 622t

LM 622t

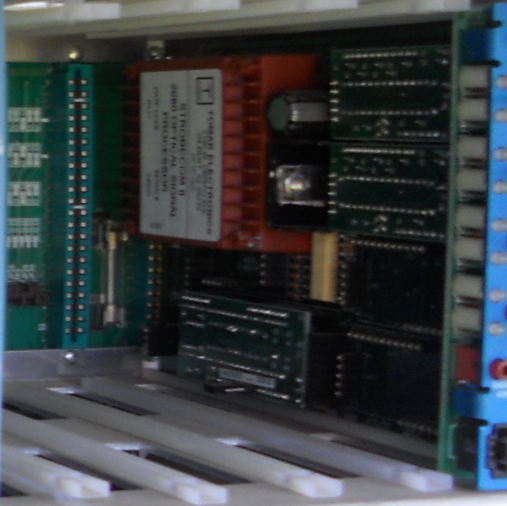
SPARE

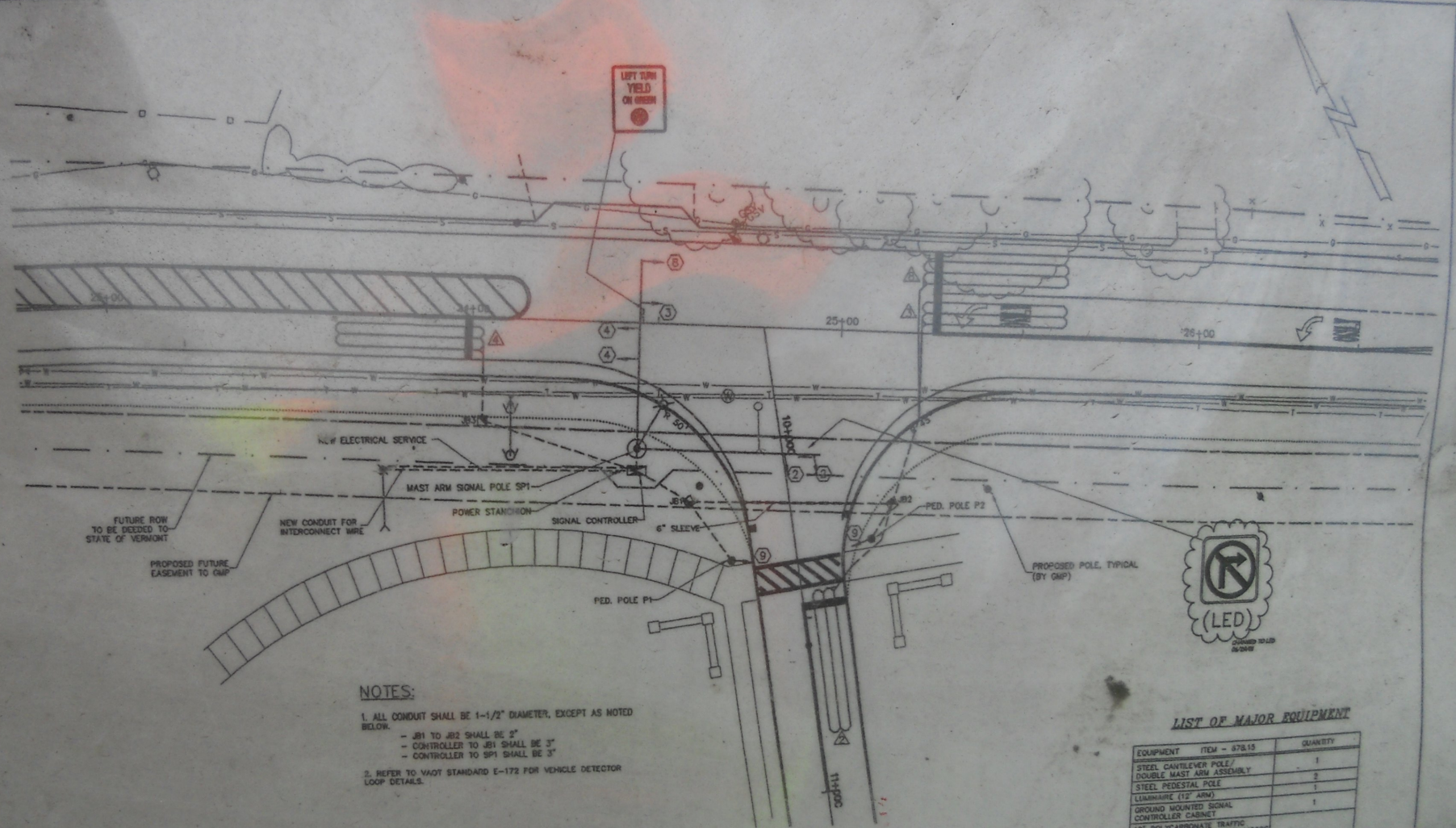
SPARE

SPARE

SPARE

SCONLITE





NOTES:

1. ALL CONDUIT SHALL BE 1-1/2" DIAMETER, EXCEPT AS NOTED BELOW.
 - JB1 TO JB2 SHALL BE 2"
 - CONTROLLER TO JB1 SHALL BE 3"
 - CONTROLLER TO SP1 SHALL BE 3"
2. REFER TO VDOT STANDARD E-172 FOR VEHICLE DETECTOR LOOP DETAILS.



LIST OF MAJOR EQUIPMENT

| EQUIPMENT | ITEM - 678.15 | QUANTITY |
|---|---------------|----------|
| STEEL CANTILEVER POLE / DOUBLE MAST ARM ASSEMBLY | | 1 |
| STEEL PEDESTAL POLE | | 2 |
| LUMINAIRE (12" ARM) | | 1 |
| GROUND MOUNTED SIGNAL CONTROLLER CABINET | | 1 |
| 12" POLYCARBONATE TRAFFIC SIGNAL HEADS WITH TUNNEL VISORS & MOUNTING HARDWARE | | 3 |
| 3 SECTION | | 1 |
| 5 SECTION | | 1 |
| TWO SECTION WALK/DOWN WALK PEDESTRIAN HEADS WITH VISORS & MOUNTING HARDWARE * | | 2 |
| PEDESTRIAN PUSH BUTTON ASSEMBLY | | 2 |
| FIRE PREEMPTION DETECTOR | | 3 |
| PREEMPTION CONFIRMATION STRIBE | | 1 |
| POWER STATION | | 1 |
| LEFT TURN YIELD ON GREEN SIGN | | 1 |
| NO TURN ON RED SIGN (LED) | | 1 |
| MISC. HARDWARE EQUIPMENT, ETC TO COMPLETE INSTALLATION | | ** |

* USE 3" LETTERS (6" SYMBOLS) FOR ROAD USE AND APPROXIMATE AND USE 4-1/2" LETTERS (8" SYMBOLS) FOR ROAD USE ONLY ** THE QUANTITIES LISTED ABOVE ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY. UNLESS OTHERWISE SPECIFIED, WIRE, CABLE, HARDWARE ETC. ARE REQUIRED TO PROVIDE FOR A FUNCTIONING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR SPECIFICATION OF THE NUMBER OF ITEMS AND THE TYPES OF EQUIPMENT REQUIRED.

SIGNAL HEADS

2001 AVERAGE VOLUMES
ROUTE 2 / ELM STREET

ARRANGE TO HAVE THE VEHICLE DETECTOR LOOP
CONVERTED TO WALKER DETECTOR LOOP
IF THE SIGNAL IS TO BE USED FOR A WALKER
CROSSING.

HAZARD OF ELECTRICAL SHOCK
OR BURN IF COVER REMOVED
SERVICE BY UTILITY
AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
10/23/00 REV 1

ABB

9 0 1 2 3 4 5 6 7 8
1 0 9 8 7 6 5 4 3 2 1 0
9 0 1 2 3 4 5 6 7 8
1 0 9 8 7 6 5 4 3 2 1 0
9 0 1 2 3 4 5 6 7 8
1 0 9 8 7 6 5 4 3 2 1 0

Rr 13 5/8

KILOWATTHOURS 01M0126G01

FL S 2A

SINGLE-STATOR WATTHOUR METER
TYPE ABI S. 5570C20G38

FORM 2S 200 CL 240 V 3 W 60 HZ TA 30 Kh 7.2

G.M.P.
201 934

MADE IN U.S.A.

#ACG011648783 *
11 648 783

CIRCUIT BREAKERS UNDER FLAP
NO FUSES IN BOX
DO NOT OPEN SEAL



HAZARD OF ELECTRICAL SHOCK
OR BURN IF COVER REMOVED
SERVICE BY UTILITY
AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
10/23/00 REV 1



STOP
HERE ON
RED
←

STOP



BOXWOOD ST











MAPLE
TREE
PLACE





WOOD OF THE PLACE

WOOD OF THE PLACE

ONLY

ONLY







DOWNTOWN BL



8E-15.0732
7E-9.61X52
7E-9.61X52
55KSI 2001
UNION METAL CORPORATION

7/20
T148







MAPLE
TREE
PLACE





MAPLE
TREE
PLACE





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Google earth

Coordination Patterns

```

-----
Pattern 1
Cycle Length . . . 84  COS . . . . . 111
Offset . . . . . 6
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 20 3- 20 4- 44
          Phase 5- 0 6- 20 7- 0 8- 64
          Phase 9- 1 10- 0 11- 0 12- 0 Split Sum: 0
Split Extension/Ring [1] 0 [2] 0
Split Demand Pattern [1] 0 [2] 0
XRT Pattern. . . 0
  Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12
Coord Phases . . . . . X . . . X . . . .
Veh Recall . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . .
Veh Omit . . . . . . . . . . . . . .
Alt Sequence . . A: . B: . C: . D: . E: . F: .
-----
    
```

```

-----
Pattern 2
Cycle Length . . . 88  COS . . . . . 211
Offset . . . . . 51
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 22 3- 14 4- 52
          Phase 5- 0 6- 22 7- 0 8- 66
          Phase 9- 1 10- 0 11- 0 12- 0 Split Sum: 0
Split Extension/Ring [1] 0 [2] 0
Split Demand Pattern [1] 0 [2] 0
XRT Pattern. . . 0
  Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12
Coord Phases . . . . . X . . . X . . . .
Veh Recall . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . .
Veh Omit . . . . . . . . . . . . . .
Alt Sequence . . A: . B: . C: . D: . E: . F: .
-----
    
```

```

-----
Pattern 3
Cycle Length . . . 96  COS . . . . . 311
Offset . . . . . 56
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 0 2- 21 3- 14 4- 61
          Phase 5- 0 6- 21 7- 0 8- 75
          Phase 9- 1 10- 0 11- 0 12- 0 Split Sum: 0
Split Extension/Ring [1] 0 [2] 0
Split Demand Pattern [1] 0 [2] 0
XRT Pattern. . . 0
  Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12
Coord Phases . . . . . X . . . X . . . .
Veh Recall . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . .
Veh Omit . . . . . . . . . . . . . .
Alt Sequence . . A: . B: . C: . D: . E: . F: .
-----
    
```


NIC Program Steps

| Step | Program | Step Begins | Pattern | Override |
|------|---------|-------------|---------|----------|
| 1 | 1 | 0600 | 1 | NO |
| 2 | 1 | 1000 | 2 | NO |
| 3 | 1 | 1430 | 3 | NO |
| 4 | 1 | 1900 | 2 | NO |
| 5 | 1 | 2200 | 0 | NO |
| 6 | 2 | 0600 | 1 | NO |
| 7 | 2 | 0900 | 3 | NO |
| 8 | 2 | 2200 | 0 | NO |

TOD Program Steps

 Step 1 Program 1 Step Begins 0600

Flash. Dimming Enable.
 Red Rest Alt Veh Extension
 Spare 5. Det Log Enable.
 Spare 3. Spare 4
 Type 0 Dly Enable. . . Spare 2
 Det Diag Plan. . . . 0

Phase Number

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| Max 2 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Max 3 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Max Recall | . | . | . | X | . | . | . | X | . | . | . | . |
| Ped Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Cond Service Inhibit. | . | . | . | . | . | . | . | . | . | . | . | . |
| Phase Omit | . | . | . | . | . | . | . | . | . | . | . | . |
| Special Function | . | . | . | . | . | . | . | . | . | . | . | . |

Alt Sequence A B C D E F

 Step 2 Program 1 Step Begins 1000

Flash. Dimming Enable.
 Red Rest Alt Veh Extension
 Spare 5. Det Log Enable.
 Spare 3. Spare 4
 Type 0 Dly Enable. . . Spare 2
 Det Diag Plan. . . . 0

Phase Number

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| Max 2 Enable | X | X | X | X | X | X | X | X | . | . | . | . |
| Max 3 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Max Recall | . | . | . | X | . | . | . | X | . | . | . | . |
| Ped Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Cond Service Inhibit. | . | . | . | . | . | . | . | . | . | . | . | . |
| Phase Omit | . | . | . | . | . | . | . | . | . | . | . | . |
| Special Function | . | . | . | . | . | . | . | . | . | . | . | . |

Alt Sequence A B C D E F

TOD Program Steps

 Step 5 Program 1 Step Begins 2200

Flash. Dimming Enable.
 Red Rest Alt Veh Extension
 Spare 5. Det Log Enable.
 Spare 3. Spare 4
 Type 0 Dly Enable. . . Spare 2
 Det Diag Plan. . . . 0

Phase Number

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| Max 2 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Max 3 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Recall | . | . | . | X | . | . | . | X | . | . | . | . |
| Veh Max Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Ped Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Cond Service Inhibit. | . | . | . | . | . | . | . | . | . | . | . | . |
| Phase Omit | . | . | . | . | . | . | . | . | . | . | . | . |
| Special Function | . | . | . | . | . | . | . | . | . | . | . | . |

Alt Sequence A B C D E F

Step 6 Program 2 Step Begins 0600

Flash. Dimming Enable.
 Red Rest Alt Veh Extension
 Spare 5. Det Log Enable.
 Spare 3. Spare 4
 Type 0 Dly Enable. . . Spare 2
 Det Diag Plan. . . . 0

Phase Number

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| Max 2 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Max 3 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Max Recall | . | . | . | X | . | . | . | X | . | . | . | . |
| Ped Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Cond Service Inhibit. | . | . | . | . | . | . | . | . | . | . | . | . |
| Phase Omit | . | . | . | . | . | . | . | . | . | . | . | . |
| Special Function | . | . | . | . | . | . | . | . | . | . | . | . |

Alt Sequence A B C D E F

TOD Program Steps

 Step 7 Program 2 Step Begins 0900

Flash. Dimming Enable.
 Red Rest Alt Veh Extension
 Spare 5. Det Log Enable.
 Spare 3. Spare 4
 Type 0 Dly Enable. . . Spare 2
 Det Diag Plan. . . . 0

| | Phase Number | | | | | | | | | | | |
|-------------------------------|--------------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Max 2 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Max 3 Enable | X | X | X | X | X | X | X | X | . | . | . | . |
| Veh Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Max Recall | . | . | . | X | . | . | . | X | . | . | . | . |
| Ped Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Cond Service Inhibit. | . | . | . | . | . | . | . | . | . | . | . | . |
| Phase Omit | . | . | . | . | . | . | . | . | . | . | . | . |
| Special Function | . | . | . | . | . | . | . | . | . | . | . | . |

Alt Sequence A B C D E F

Step 8 Program 2 Step Begins 2200

Flash. Dimming Enable.
 Red Rest Alt Veh Extension
 Spare 5. Det Log Enable.
 Spare 3. Spare 4
 Type 0 Dly Enable. . . Spare 2
 Det Diag Plan. . . . 0

| | Phase Number | | | | | | | | | | | |
|-------------------------------|--------------|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Max 2 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Max 3 Enable | . | . | . | . | . | . | . | . | . | . | . | . |
| Veh Recall | . | . | . | X | . | . | . | X | . | . | . | . |
| Veh Max Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Ped Recall | . | . | . | . | . | . | . | . | . | . | . | . |
| Cond Service Inhibit. | . | . | . | . | . | . | . | . | . | . | . | . |
| Phase Omit | . | . | . | . | . | . | . | . | . | . | . | . |
| Special Function | . | . | . | . | . | . | . | . | . | . | . | . |

Alt Sequence A B C D E F
