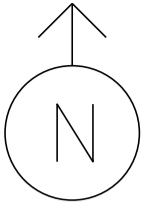
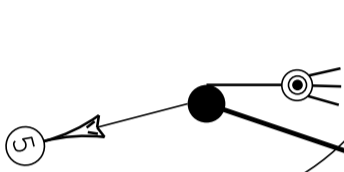


MS # 570

VT 2A NORTH



I-89 SB OFF RAMP



I-89 SB ON RAMP



♣ PREEMPTION DETECTOR

♀ PREEMPTION STROBE

⊠ CONTROL BOX

● MAST ARM

⋮ LOOP DETECTION

⊠ JB JUNCTION BOX

☉ LUMINAIRE

•• STANCHION

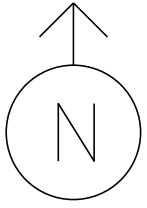
⊙ =

⊙ =

VT 2A SOUTH

NOT TO SCALE

MS # 570



VT 2A NORTH

12' 12' 12' 12'

LANE LINE ---'

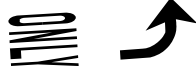
ONLY



STOP BAR 24'

I-89 SB OFF RAMP

12'



LANE LINE 290'

18'

12'



STOP BAR 65'

LANE LINE 290'

12'



I-89 SB ON RAMP

STOP BAR 24'



LANE LINE 280'


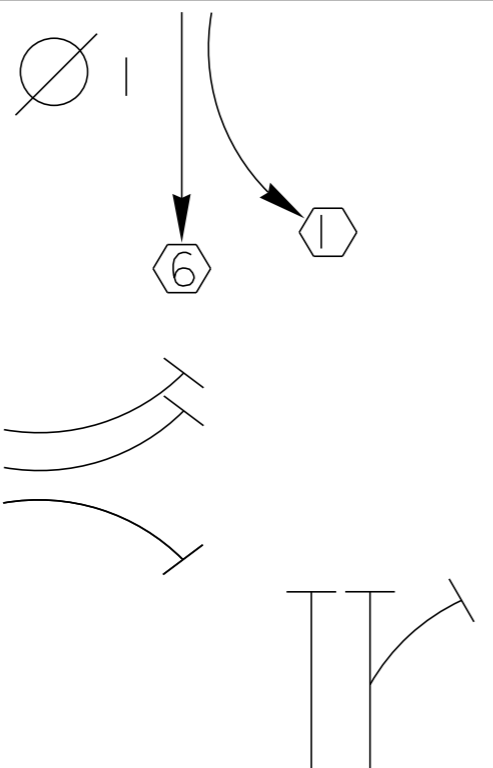
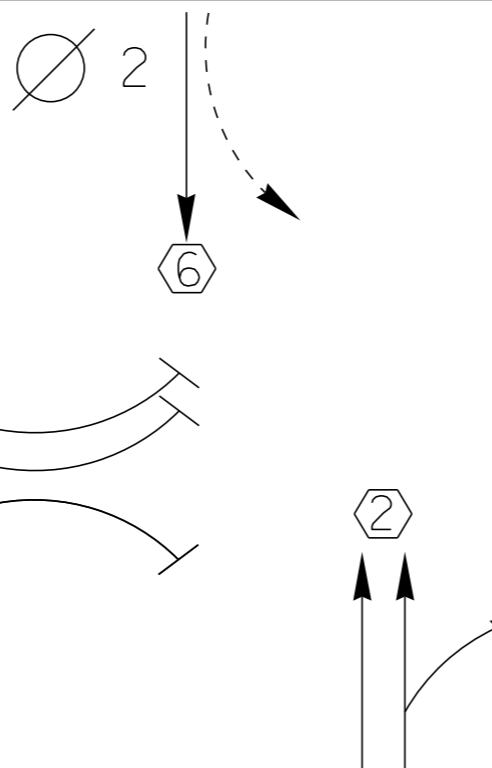
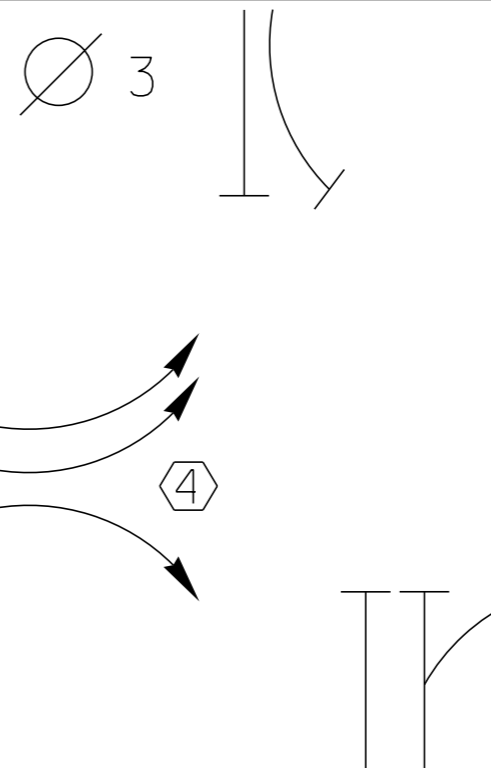




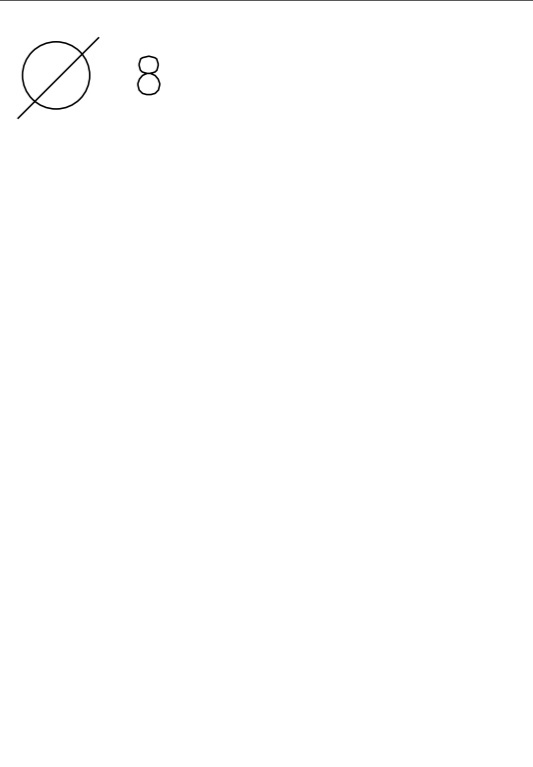
12'

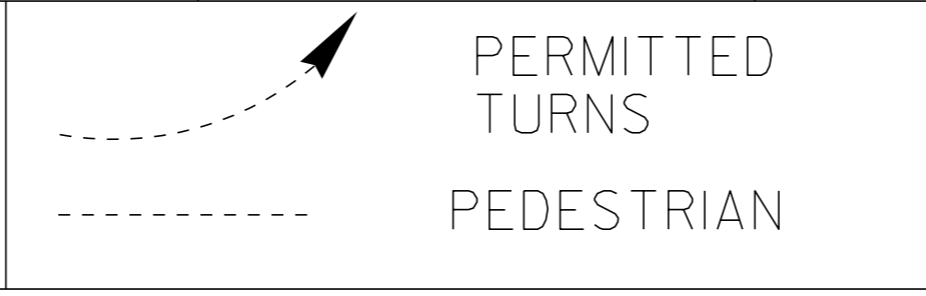
10'

12'

VT 2A SOUTH

NOT TO SCALE

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">D I A G R A M</p> 				
<p>TIMING</p>	<p>G = Y =</p>	<p>G = Y =</p>	<p>G = Y =</p>	<p>G = Y =</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">D I A G R A M</p>				
<p>TIMING</p>	<p>G = Y =</p>	<p>G = Y =</p>	<p>G = Y =</p>	<p>G = Y =</p>



CYCLE LENGTH, C= _____ S



PROPERTY OF
VT. AGENCY OF TRANS.
MAINTENANCE DIV.
IN EMERGENCY CALL
802.724.3022
NOTES & SPECIFICATIONS
EXTENSION NO.

WARNING

DO NOT OPERATE
CABINET WITHOUT
CONFLICT MONITOR UNIT

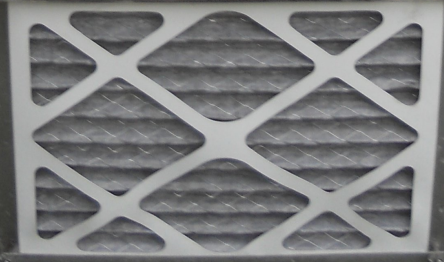
TURN ON & 10 02

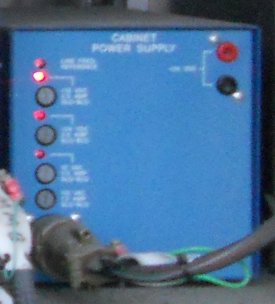
DANGER

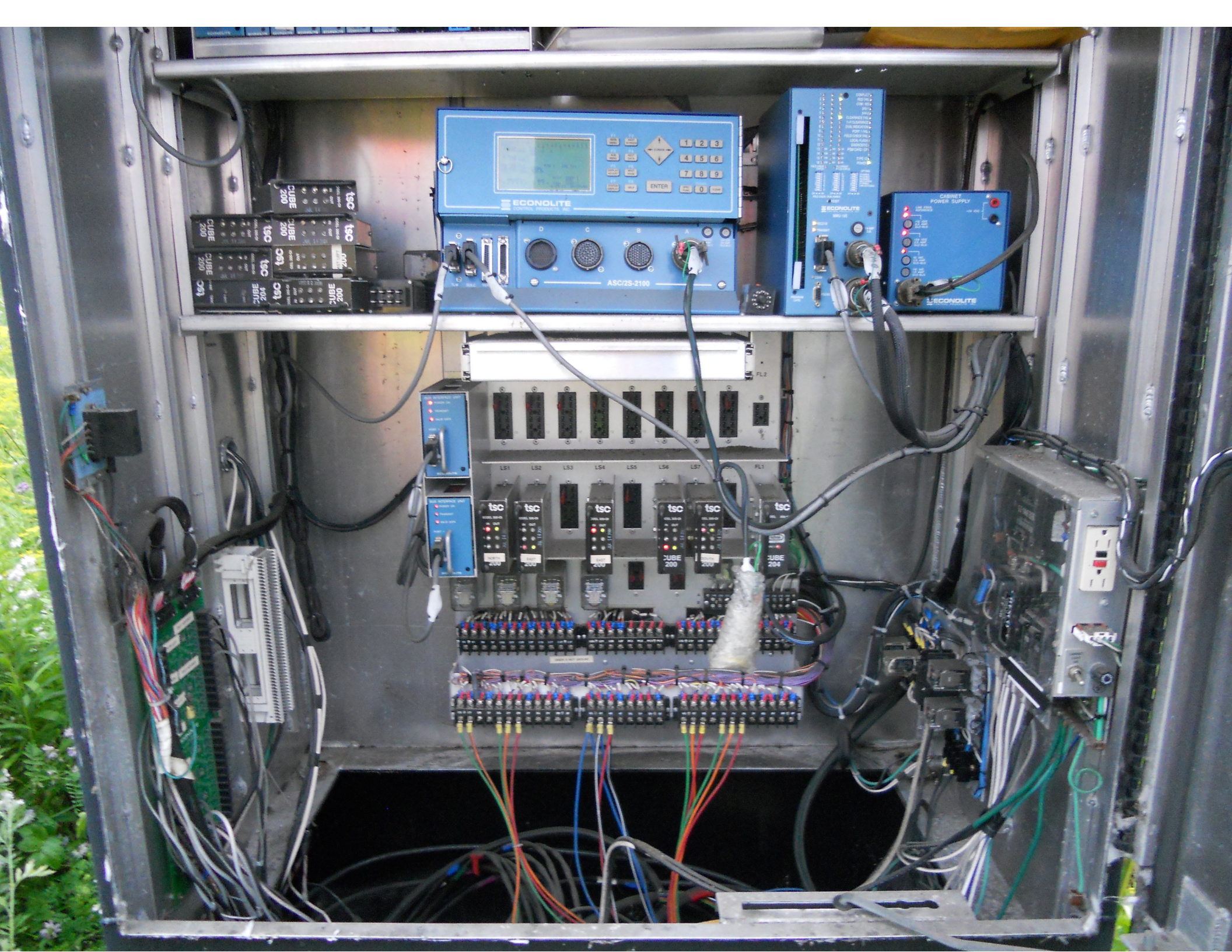
115 VOLTS A.C.

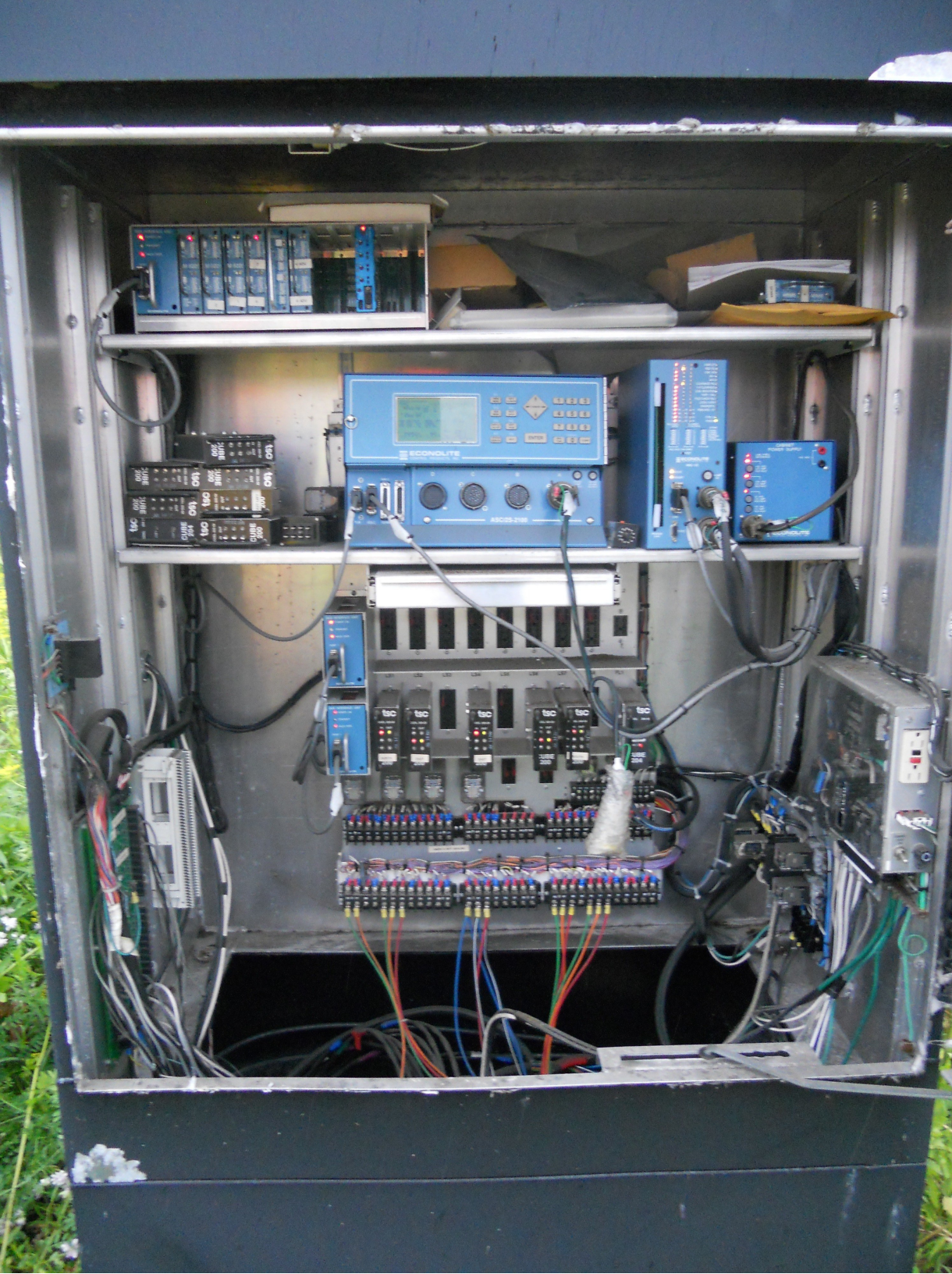


SECURITY



















LEFT TURN
YIELD
ON GREEN

40

St. George 1
Blount 3
Walla 23
Waynes 25



55 K.S. 1955
DATE OF MFG. 20
3E-12.0 X 3250
7E-9.5 X 45'0"
UNION METAL CORP

NORTH  TO 
Williston
Essex Jct
← ←

SOUTH  TO 
Hinesburg
Bristol
→

← ONLY
← ONLY
→ ONLY

← Williston 3
← Essex Jct 4

Hinesburg 8 →
Bristol 25 →

← ONLY
← ONLY
→ ONLY





↩

↩ ↪

↪

ONLY

ONLY

← SERVICES →
← LOADING →
← STATE POLICE →

ROAD





PROHIBITED
TURN SIGNAL
REQUIRED
BEFORE
CHANGING
LANES





SPEED
LIMIT
35



↑ Burlington 6
Montpelier 32 →

89 20 89
H14

11



NORTH 89
NORTH 2A
SOUTH 89
LEFT LANE

41

ONE WAY

NO STOPPING ANYTIME





NORTH	NORTH	SOUTH
INTERSTATE	VERMONT	INTERSTATE
89	2A	89
LEFT LANE	↑	→



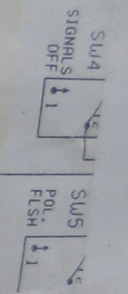
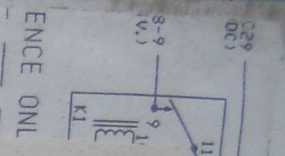
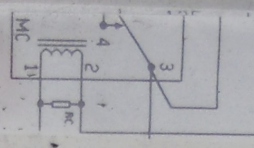


DATE OF MANUFACTURE
30-12-78 X 2372
47E-9.5 X 4978
UNION METAL CORP.

55-A-51
DATE OF MFG. 2004
3E-12.0 X 32.0"
7E-9.5 X 45.0"
UNION METAL CORP.

CABINE
CUSTO
INTER
LOCAT
INSTR

1 + 2 - 6 OIC
3-4 DISCONNECTED
7-17-05
7:54 PM



8" SLEEVE
SDR35 PVC
FOR FUTURE USE

LTYOG

NEW SIGNAL CONTROLLER & CABINET

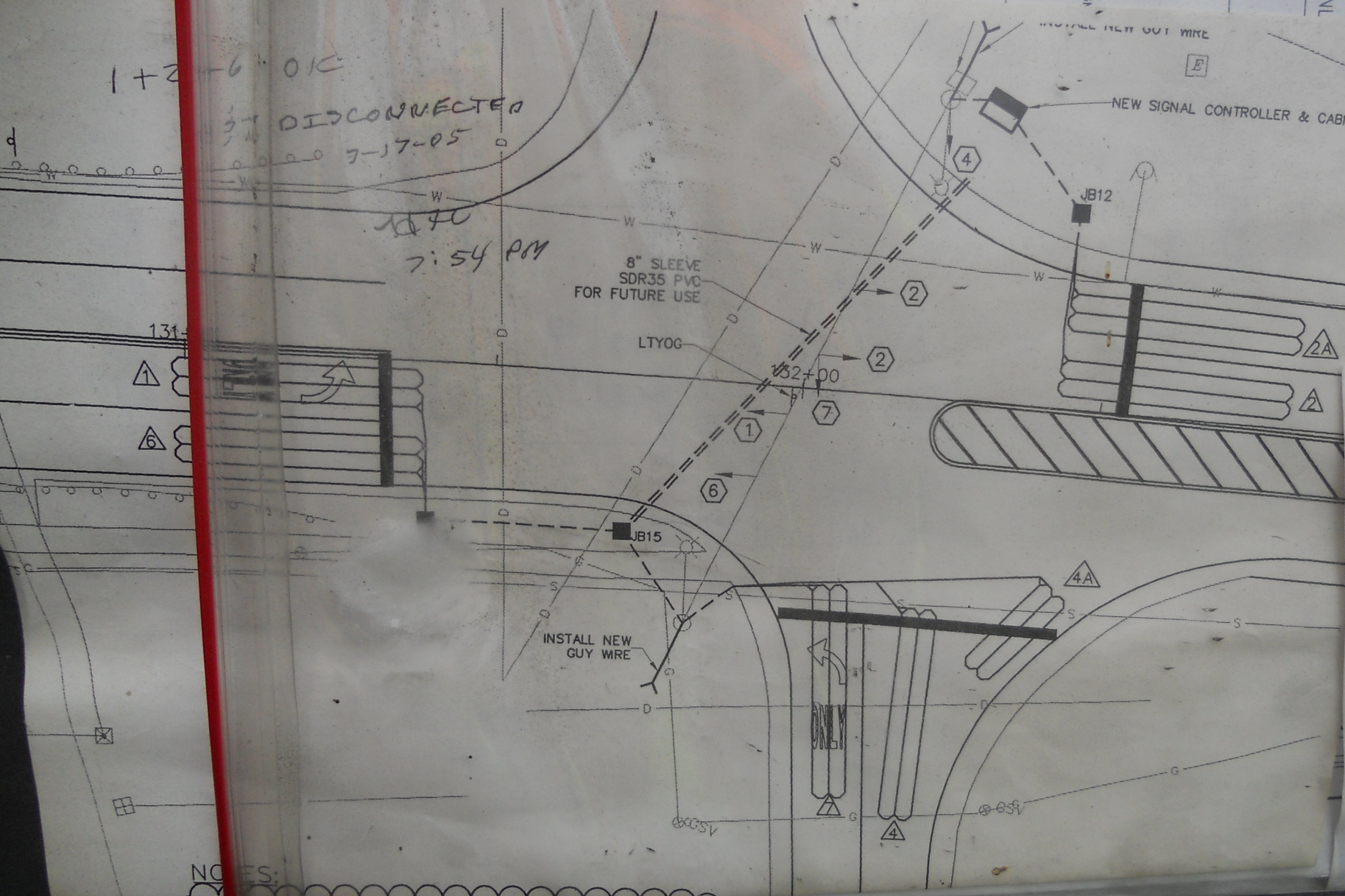
JB12

JB15

INSTALL NEW
GUY WIRE

NOTES:

1. E... NG STRAIN POLES AND ASSOCIATED HARDWARE



Coordination Patterns

```

-----
Pattern 1
Cycle Length . . . 84  COS . . . . . 111
Offset . . . . . 58
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 12 2- 24 3- 0 4- 48
          Phase 5- 0 6- 36 7- 0 8- 0
          Phase 9- 0 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 . . . . . 76
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 18 2- 22 3- 0 4- 48
          Phase 5- 0 6- 40 7- 0 8- 0
          Phase 9- 0 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 . . . . . 22
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 26 2- 20 3- 0 4- 50
          Phase 5- 0 6- 46 7- 0 8- 0
          Phase 9- 0 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 3 Program 1 Step Begins 1430

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

A B C D E F

Alt Sequence

Step 4 Program 1 Step Begins 1900

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	X	.	.	.	X	.	.	.	.	.	.
Veh Max Recall
Ped Recall
Cond Service Inhibit.
Phase Omit
Special Function

A B C D E F

Alt Sequence

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
Veh Max Recall	X	.	.	.	X	.	.	.	.	.	.
Ped Recall
Cond Service Inhibit.
Phase Omit
Special Function

A B C D E F

Alt Sequence

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

A B C D E F

Alt Sequence

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
Veh Max Recall	X	.	.	.	X	.	.	.	.	.	.
Ped Recall
Cond Service Inhibit.
Phase Omit
Special Function

Alt Sequence A B C D E F
