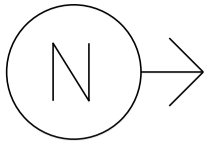


MS # 581

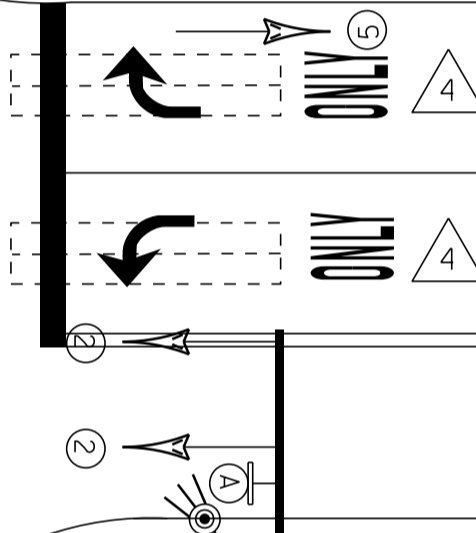
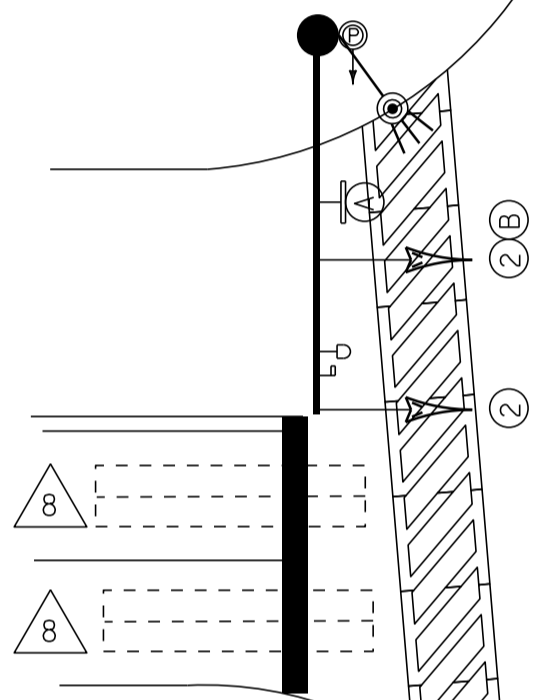
US 2 WEST



ONLY



DRIVING RANGE



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

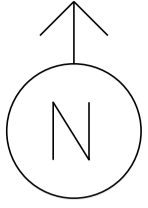
- (A) =
- (B) =
- (C) =

US 2 EAST

TALCOTT RD.

NOT TO SCALE

MS # 581



12'

12'

US 2 WEST

LANE LINE 115'

ONLY



STOP BAR 26'

STOP BAR 22'



ONLY

LANE LINE 40'



ONLY

DRIVING RANGE

10'

LANE LINE 20'

12'

CROSSWALK 70'

STOP BAR 23'

CROSSWALK 62'

STOP BAR 37'

CROSSWALK 76'

TALCOTT RD.



ONLY

LANE LINE 100'

11'

13'

11'

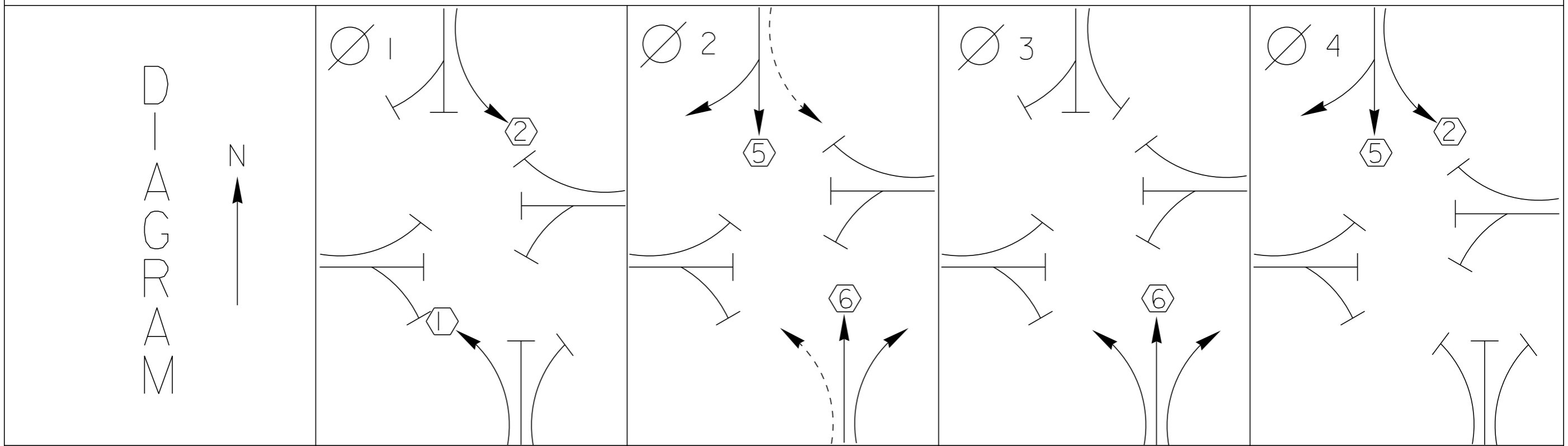


ONLY

LANE LINE 140'

US 2 EAST

NOT TO SCALE



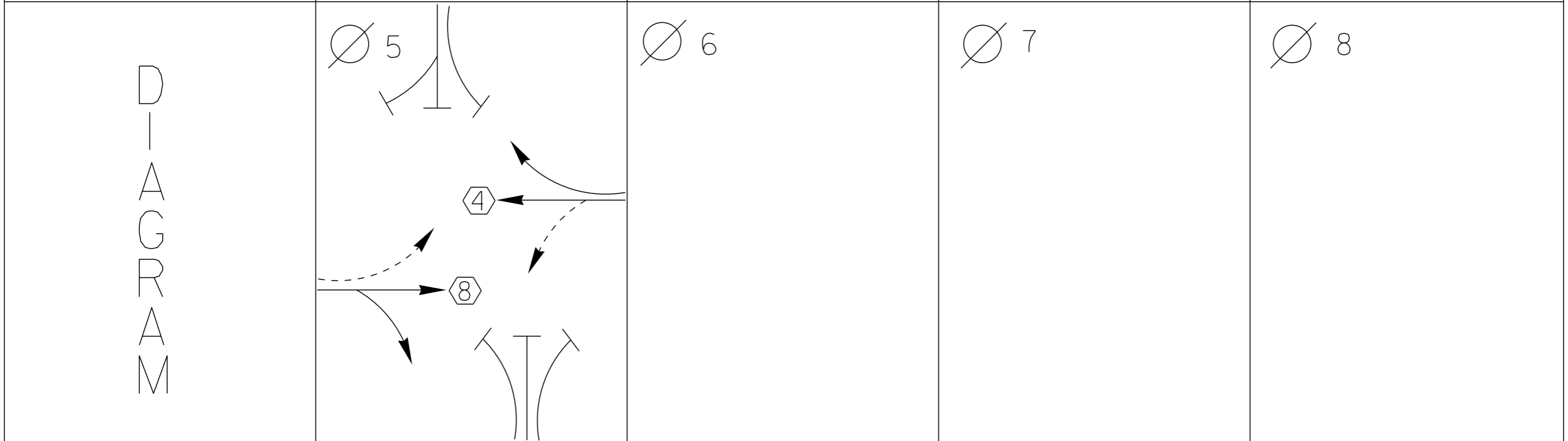
TIMING

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
VT. TRANS. OFFICE 800-940
MAINT. & REPAIRS 800-770
OPERATIONS 800-571

PROPERTY OF :
**VT. AGENCY OF TRANS.
MAINTENANCE DIV.**

IN EMERGENCY CALL :

DIST. TRANS. OFFICE 655-1580
NIGHTS & WEEKENDS : 878-7111

INTERSECTION NO. MS-581

DANGER

115 VOLTS A.C.

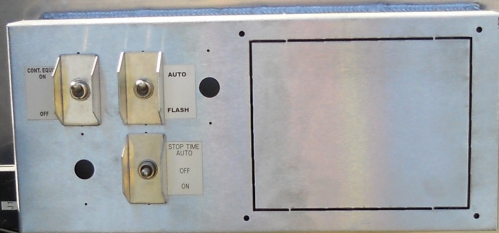
WARNING

DO NOT OPERATE
CABINET WITHOUT
CMU / MMU

CMU ON
OFF

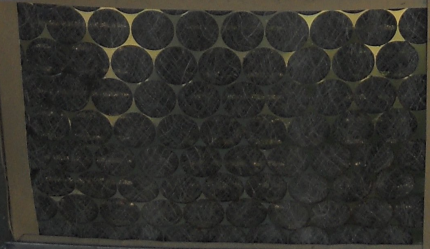
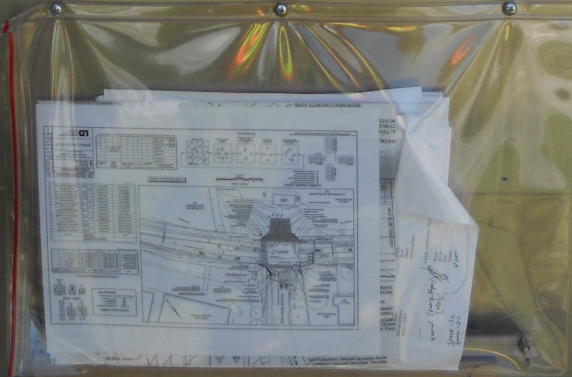
AUTO
FLASH

STOP TIME
OFF
ON



ECONOLITE

CABINET
START- 11/29/07



 **ECONOLITE**
CONTROL PRODUCTS, INC.

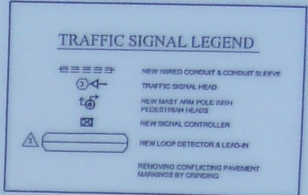
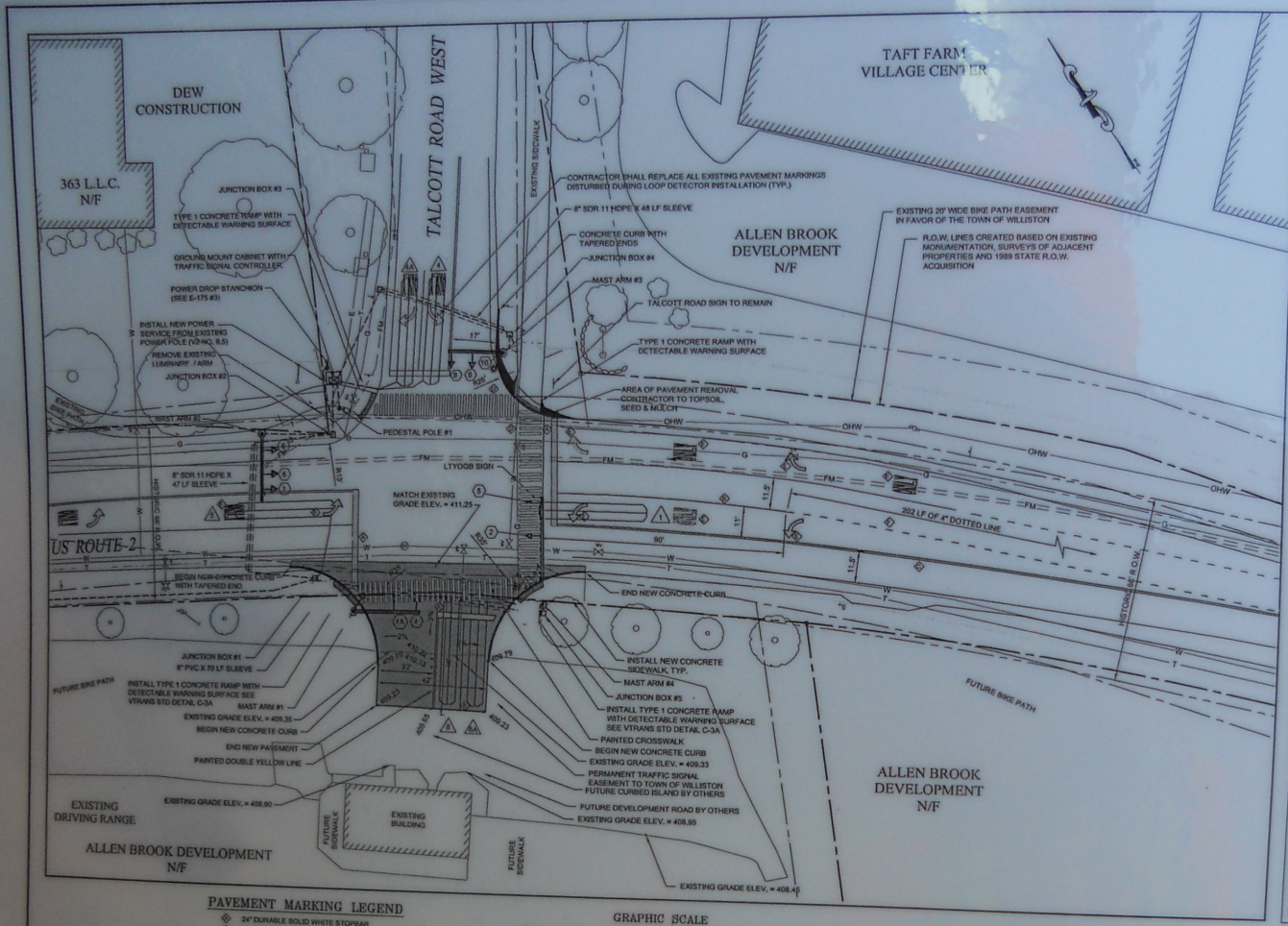
MODEL No. 11688

PRINT No. 73432

S.O. 67-4767-001

CABINET
START. 11/29/07

SA-AS-



VEHICLE LOOP DETECTOR SCHEDULE

LANE	LOOP #	SIZE	TYPE	# OF TURNS	CALL PHASE	MODE	INDUCTANCE (μH)		RESISTANCE (ohms)		LEAKAGE TO GROUND (ohms)
							CALC.	MEAS.	CALC.	MEAS.	
US ROUTE 2 WB LEFT	1	8' x 40'	LONG	2	1	PRES.	373		1.91		
TALCOTT ROAD THRU/RT	2	8' x 40'	LONG	2	4	PRES.	348		0.89		
TALCOTT ROAD RT	3	8' x 40'	LONG	2	4	PRES.*	348		0.89		
US ROUTE 2 EB LEFT	4	8' x 40'	LONG	2	5	PRES.	364		0.90		
DRIVING RANGE NB/HT	5	8' x 40'	LONG	2	8	PRES.	383		1.13		
DRIVING RANGE NB/RT	6	8' x 40'	LONG	2	8	PRES.*	381		1.11		

* DELAY ON RIGHT TURN LANE

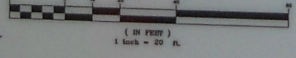
CONDUIT SCHEDULE

FROM	TO	WIRED CONDUIT	DESCRIPTION
CONTROLLER CABINET	MAST ARM #2	(2) 1"	SIGNAL WIRING & LIGHTING WIRING
CONTROLLER CABINET	JUNCTION BOX #2	20'	LOOP DETECTOR WIRING
CONTROLLER CABINET	JUNCTION BOX #2	(2) 20'	SIGNAL WIRING & LIGHTING WIRING
CONTROLLER CABINET	JUNCTION BOX #2	20'	INTERCONNECT WIRING
CONTROLLER CABINET	EXISTING POWER POLE (VZ NO. 0.5)	12'	POWER SERVICE
CONTROLLER CABINET	JUNCTION BOX #3	(2) 11'	SIGNAL WIRING & LIGHTING WIRING
CONTROLLER CABINET	JUNCTION BOX #3	11'	LOOP DETECTOR WIRING
JUNCTION BOX #2	JUNCTION BOX #1	(3) 54'	SIGNAL WIRING, LIGHTING WIRING, INTERCONNECT WIRING
JUNCTION BOX #2	JUNCTION BOX #1	54'	LOOP DETECTOR WIRING
JUNCTION BOX #1	MAST ARM #1	(2) 19'	SIGNAL WIRING & LIGHTING WIRING
JUNCTION BOX #1	JUNCTION BOX #5	79'	LOOP DETECTOR WIRING
JUNCTION BOX #1	JUNCTION BOX #5	(2) 78'	SIGNAL WIRING & LIGHTING WIRING
JUNCTION BOX #3	JUNCTION BOX #4	(2) 89'	SIGNAL WIRING & LIGHTING WIRING
JUNCTION BOX #3	JUNCTION BOX #4	89'	LOOP DETECTOR WIRING
JUNCTION BOX #4	MAST ARM #3	(2) 12'	SIGNAL WIRING & LIGHTING WIRING

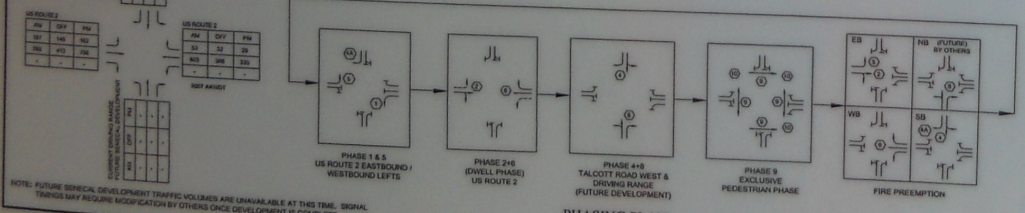
PAVEMENT MARKING LEGEND

- 2" DURABLE SOLID WHITE STOPBAR
- 4" DURABLE SOLID WHITE LINE
- DOUBLE 4" DURABLE SOLID YELLOW LINE
- DURABLE CROSSWALK MARKING
- DURABLE LETTER OR SYMBOL
- 4" DURABLE DOTTED WHITE LINE

GRAPHIC SCALE



THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.



PHASING PLAN

NOTE: FUTURE SIGNAL DEVELOPMENT TRAFFIC VOLUMES ARE UNAVAILABLE AT THIS TIME. SIGNAL TIMINGS MAY REQUIRE MODIFICATION BY OTHERS ONCE DEVELOPMENT IS COMPLETE.

PROGRAM CONTROLLER FOR NEAR DUAL SIGNAL / SEMI-ACTUATED OPERATION	PHASE 1, 5 & 4A	PHASE 2/6	PHASE 4/8	PHASE 9	FIRE PREEMPTION
	US ROUTE 2 EB/WB LEFTS	US ROUTE 2	TALCOTT ROAD & DRIVING RANGE	PEDESTRIAN PHASE TIMINGS	
WB EXTENSION	2	2	2		
RT TURN DELAY	-	5	5		
MIN. GREEN	6	10	7		
YELLOW CLEAR	4	4	4		
RED CLEAR	2	2	2		
AM PEAK (6:30-10:30 a.m.)	MAX. 1 GREEN	7	43	16	2
OFF PEAK	MAX. 2 GREEN	7	40	23	1
TRIP PEAK (2:30-7:00 p.m.)	MAX. 3 GREEN	7	46	25	1

NOTE: THERE SHALL BE NO SCHEDULED FLASHING TIME PERIOD. THE SIGNAL SHALL RUN ON OFF PEAK TIMINGS AT NIGHT.

DATE	REVISIONS	BY
5-18-07	REVISED MAST ARM POLE SIZE & LOCATION	JLD
6-07-07	ADDED SPOT GRASSES & PEDESTRIAN TIMINGS	JCC

THESE PLANS WITH LATEST REVISIONS, SHOULD ONLY BE USED FOR THE PURPOSES SPECIFIED BELOW.

- SKETCH/CONCEPT
- PRELIMINARY
- FINAL AS-BUILT
- RECORDED DRAWING

U.S. ROUTE 2 / TALCOTT RD. WEST TRAFFIC SIGNAL DESIGN
WILLISTON, VERMONT

SIGNAL LAYOUT PLAN

LAMMUREUX & DICKINSON
Civil/Structural Engineers, Inc.
14 Middle Drive
North Ferrisburgh, VT 05452
Tel: 802-478-4424

BUS INTERFACE UNIT
 POWER ON
 TRANSMIT
 VALID DATA
 ECONOLITE

LMD622t
 DET FLT
 CH1
 CH2
 MODE FREQ
 SENS
 DET FLT
 ECONOLITE

LMD622t
 DET FLT
 CH1
 CH2
 MODE FREQ
 SENS
 DET FLT
 ECONOLITE

LMD622t
 DET FLT
 CH1
 CH2
 MODE FREQ
 SENS
 DET FLT
 ECONOLITE

DET SW MODULE
 ON
 REV
 P
 T
 A
 R
 A
 DET 1
 DET 2
 DET 3
 DET 4
 DET 5
 DET 6
 DET 7
 DET 8
 DET 9
 DET 10
 DET 11
 DET 12
 DET 13
 DET 14
 DET 15
 DET 16
 ECONOLITE
 DET-SWITCHING MODULE

B.I.U. DETECTOR #1
 L3 Ø4
 L4 DLR
 L1 Ø1
 L2 Ø2
 L5 Ø8
 L6 Ø6
 L7 L8
 L11 L12
 L9 L10
 L15 L16
 L13 L14
 EVP 3 Ø1+Ø6
 EVP 4 Ø2+Ø5
 EVP 5 Ø8
 EVP 6 Ø4

MODEL SSS-86-IO
 RED IN OUT
 YEL IN OUT
 GRN IN OUT

DATAKE

BUS INTERFACE UNIT

POWER ON

TRANSMIT

VALID DATA

LMD6221

LMD6221

LMD6221

GET SW MODEL

ECONOLITE

B.U. DETECTOR #1

1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41	1.42	1.43	1.44	1.45	1.46	1.47	1.48	1.49	1.50
-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

ISCO

CUBE 204

ORTEL SH-115

ESPEL DESIGN, INC.

ESPEL DESIGN, INC.

ESPEL DESIGN, INC.

ESPEL DESIGN, INC.

CABINET POWER SUPPLY

24 VDC 2.0A 50

12 VDC 2.0A 50

12 VDC 2.0A 50

12 VDC 2.0A 50

12 VDC 2.0A 50

ECONOLITE

POWER SUPPLY

ECONOLITE

STATUS

ASC/3-2100

TELEMETRY TLMF3K-6

PORT 3A

PORT 3B

PORT 2

115 VAC 1 AMP

SLO-BLO

+24 VDC 3/4 AMP

ECONOLITE

MM3-16L

COMM 1/2

COMM 3/4

COMM 5/6

COMM 7/8

COMM 9/10

COMM 11/12

COMM 13/14

COMM 15/16

COMM 17/18

COMM 19/20

COMM 21/22

COMM 23/24

COMM 25/26

COMM 27/28

COMM 29/30

COMM 31/32

COMM 33/34

COMM 35/36

COMM 37/38

COMM 39/40

COMM 41/42

COMM 43/44

COMM 45/46

COMM 47/48

COMM 49/50

COMM 51/52

COMM 53/54

COMM 55/56

COMM 57/58

COMM 59/60

COMM 61/62

COMM 63/64

COMM 65/66

COMM 67/68

COMM 69/70

COMM 71/72

COMM 73/74

COMM 75/76

COMM 77/78

COMM 79/80

COMM 81/82

COMM 83/84

COMM 85/86

COMM 87/88

COMM 89/90

COMM 91/92

COMM 93/94

COMM 95/96

COMM 97/98

COMM 99/100

TELEMETRY TLMF3K-6

PORT 3A

PORT 3B

PORT 2

115 VAC 1 AMP

SLO-BLO

+24 VDC 3/4 AMP

BUS INTERFACE UNIT

POWER ON

TRANSMIT

VALID DATA

ECONOLITE

ECONOLITE

MM3-16L

COMM 1/2

COMM 3/4

COMM 5/6

COMM 7/8

COMM 9/10

COMM 11/12

COMM 13/14

COMM 15/16

COMM 17/18

COMM 19/20

COMM 21/22

COMM 23/24

COMM 25/26

COMM 27/28

COMM 29/30

COMM 31/32

COMM 33/34

COMM 35/36

COMM 37/38

COMM 39/40

COMM 41/42

COMM 43/44

COMM 45/46

COMM 47/48

COMM 49/50

COMM 51/52

COMM 53/54

COMM 55/56

COMM 57/58

COMM 59/60

COMM 61/62

COMM 63/64

COMM 65/66

COMM 67/68

COMM 69/70

COMM 71/72

COMM 73/74

COMM 75/76

COMM 77/78

COMM 79/80

COMM 81/82

COMM 83/84

COMM 85/86

COMM 87/88

COMM 89/90

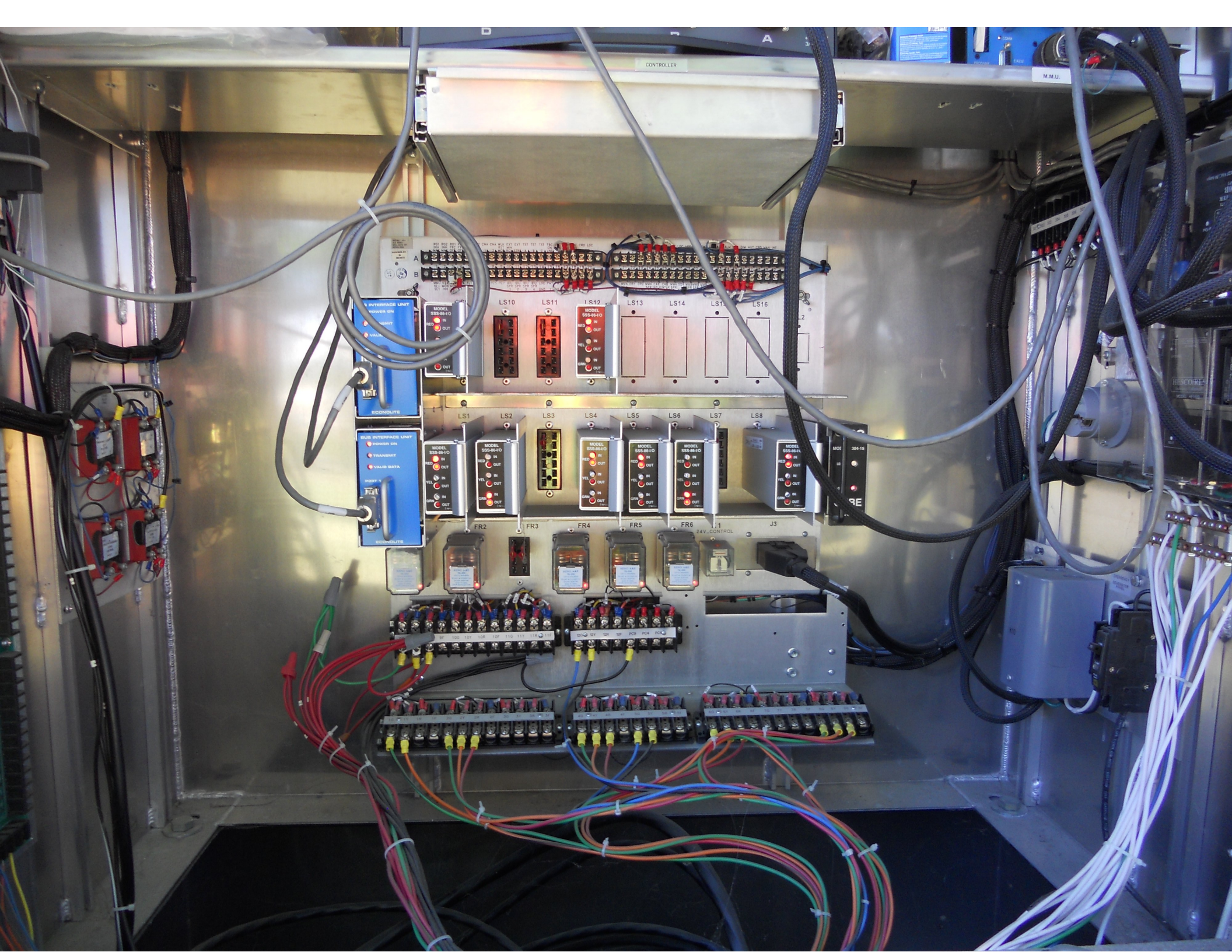
COMM 91/92

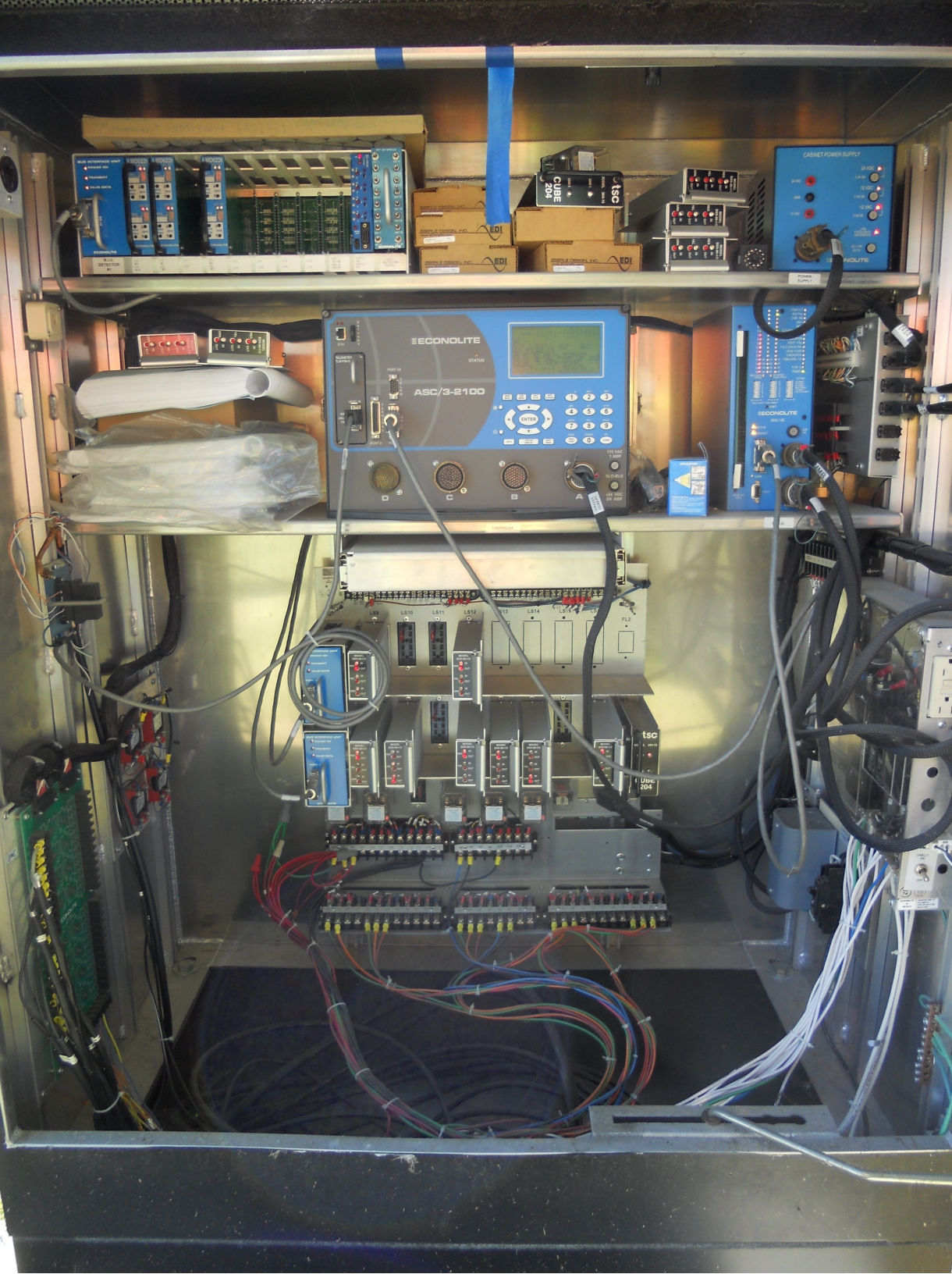
COMM 93/94

COMM 95/96

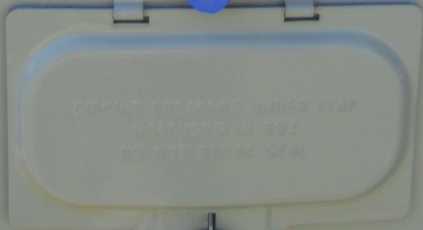
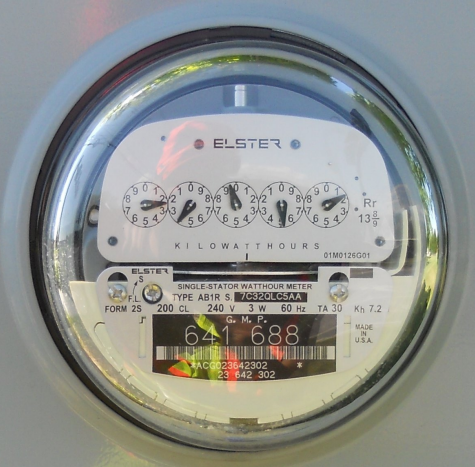
COMM 97/98

COMM 99/100





DANGER / PELIGRO
HAZARD OF ELECTRICAL SHOCK OR BURN
SERVICE BY UTILITY AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
PELIGRO DE DESCARGA ELECTRICA O QUEMADURA
SERVICIO PERSONAL AUTORIZADO DE LA COMPAÑIA
ELECTRICA. NO PINTAR NI QUITAR ESTA ETIQUETA



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PELIGRO DE DESCARGA ELECTRICA O QUEMADURA
SERVICIO PERSONAL AUTORIZADO DE LA COMPAÑIA
ELECTRICA. NO PINTAR NI QUITAR ESTA ETIQUETA



LEFT TURN ONLY

HUNTER CENTER
1000 HUNTER CENTER DRIVE
HUNTER, NY 12451



STOP

1FC6 141

2EK56





LEFT TURN
YIELD
ON GREEN



LEFT TURN
YIELD
ON GREEN

WORKER



12.5IN DIA / 20.5FT
55KSI / 5 GA
11IN DIA / 35FT / 7 GA
J092009









LEGAL LOAD
LIMIT
24,000
POUNDS

25



11 IN. DIA / 32 FT
55 KSI / TGA
6 IN DIA / 20 FT / TGA













ONLY

ONLY

ONLY

ONLY





LEFT TURN
YIELD
ON GREEN





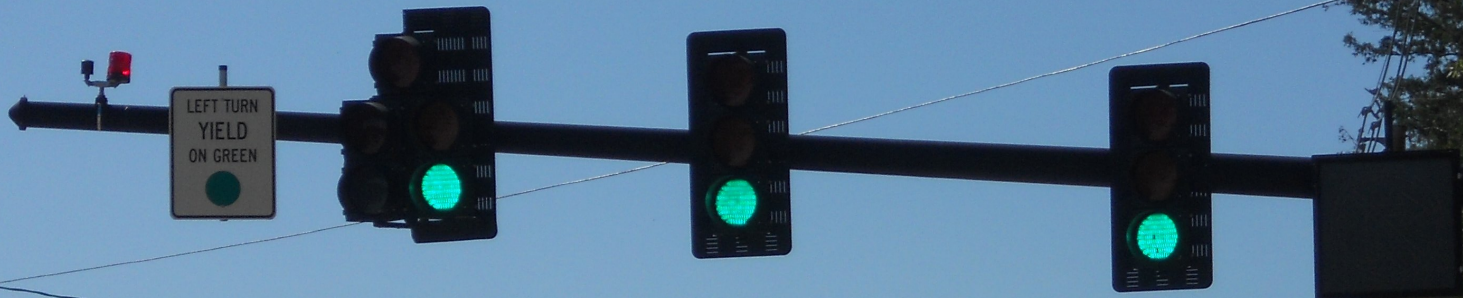






TALCOTT RD

OMEGA REALTY
872-9
www.OmegaRealty.com
FOR LE



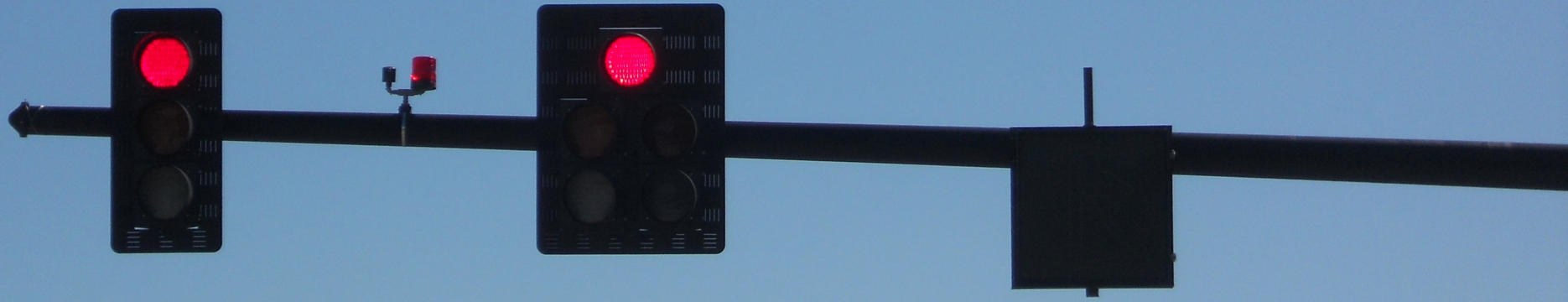




MA / 2011
KSE / TA
PBE / CA
1.1.2011









TALCOTT RD



START CROSSING
Watch For
Vehicles

DONT START
- Finish Crossing
If Started

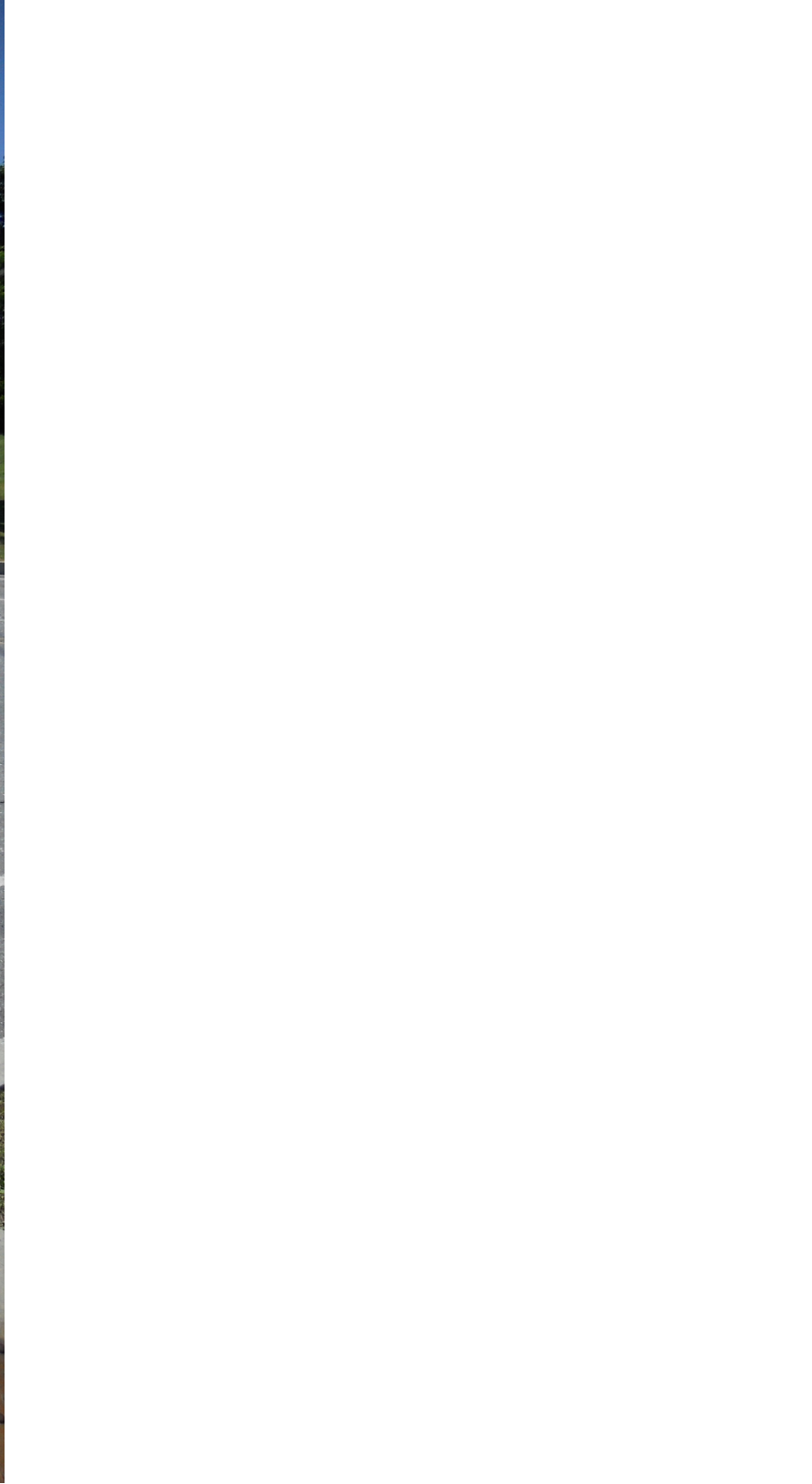
DONT CROSS
- Steady

TO CROSS
PUSH BUTTON

MEGA
For Lease
Commercial & Residential
877-9392
www.9RealEstateVT.com
FOR LEASE

OASIS DAY SPA











12.5IN DIA / 32FT
55KSI / 50A
11IN DIA / 35FT / 70A



Date: 08/10/2012

Timing Data:

Phase	1	2	3	4	5	6	7	8	9
Phases in use	x	x		x	x	x		x	x
Min Green	6	10	0	7	6	10	5	7	1
Walk	0	0	0	0	0	0	0	0	4
Ped Clr	0	0	0	0	0	0	0	0	18
Veh Ext	2	2	0	2	2	2	0	2	0
MAX 1	7	43	0	16	7	43	0	16	22
MAX 2	7	46	0	23	7	46	0	23	22
MAX 3	7	40	0	25	7	40	0	25	22
Yellow	4	4	0	4	4	4	0	4	0
All Red	2	2	0	2	2	2	0	2	2
Recall to Max	0	0	0	0	0	0	0	0	0

Coordination Patterns: ACS3/Naztec Cordinated Phases 2 & 6

Pattern 1									
Cycle Length	84	Offset	64	COS	111				
Splits	Ph 1		Ph 2		Ph 3		Ph 4		
	Ph 5		Ph 6		Ph 7		Ph 8		
	Ph 9		Ph 10		Ph 11		Ph 12		
Pattern 2(21)									
Cycle Length	0	Offset	0	COS	121				
Splits	Ph 1		Ph 2		Ph 3		Ph 4		
	Ph 5		Ph 6		Ph 7		Ph 8		
	Ph 9		Ph 10		Ph 11		Ph 12		
Pattern 3									
Cycle Length	0	Offset	0	COS	131				
Splits	Ph 1		Ph 2		Ph 3		Ph 4		
	Ph 5		Ph 6		Ph 7		Ph 8		
	Ph 9		Ph 10		Ph 11		Ph 12		

Day Plan [1]

Event	Action Plan	Step Begins
1	1	0600
2	2	1000
3	3	1430
4	2	1900

Day Plan [2]

Event	Action Plan	Step Begins

Day Plan [3]

Event	Action Plan	Step Begins

Action Plan

Action Plan	Pattern
1	1
2	2
3	3