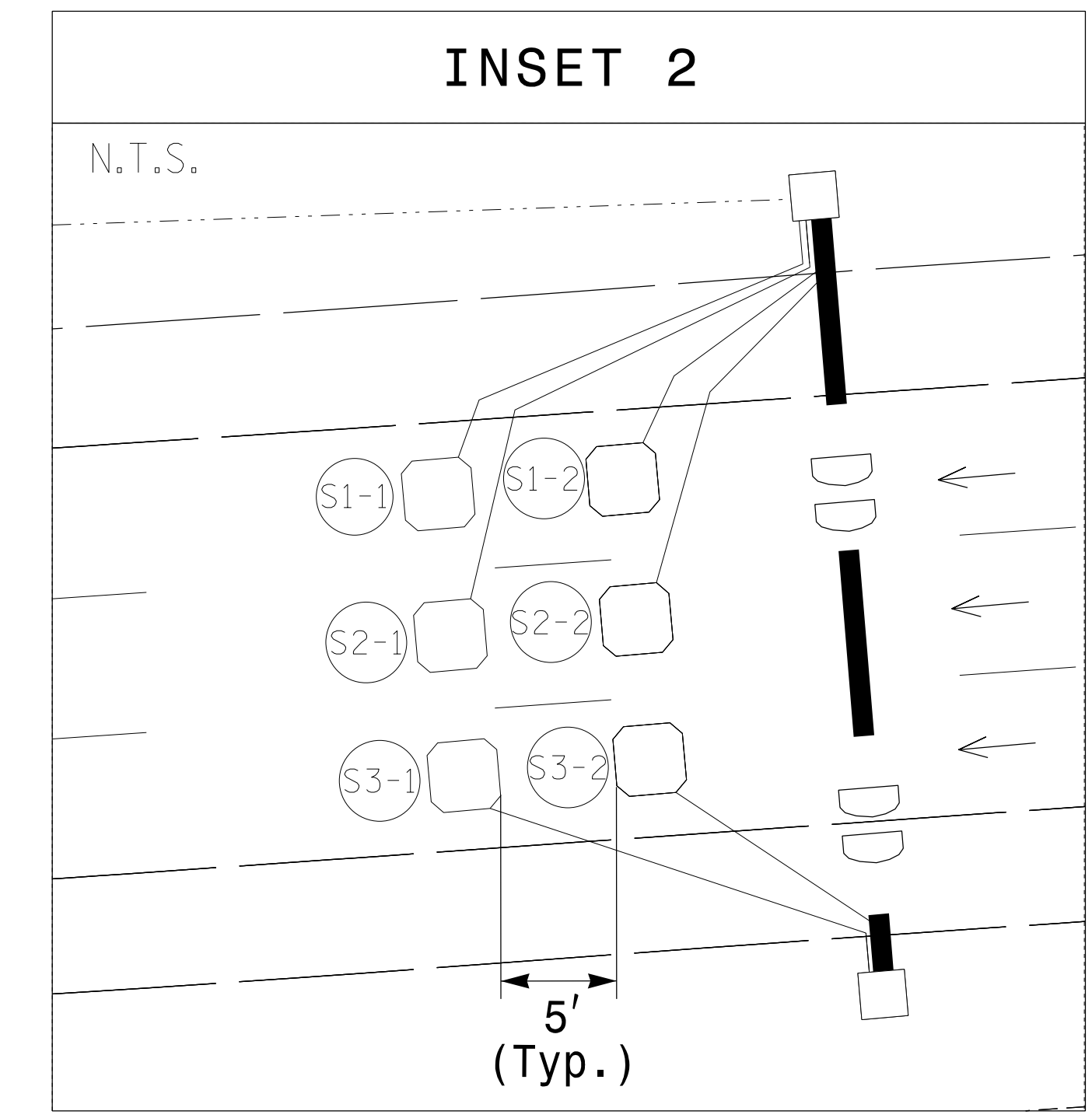


TABLE OF OPERATION

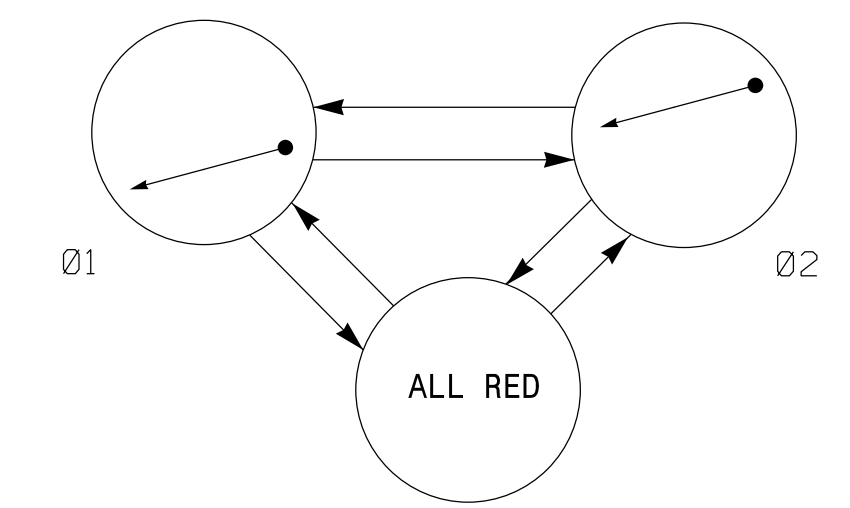
SIGNAL FACE	PHASE			OFF
	Ø 1	Ø 2	ALL RED	
21, 23	G	R	R	DRK
22, 24	R	G	R	DRK
25, 27	ON	ON	ON	OFF
26, 28	ON	ON	ON	OFF

WARNING BEACON TABLE OF OPERATION

SIGNAL FACE	INTERVAL	
	1	2
25, 27	ON	OFF
26, 28	OFF	ON

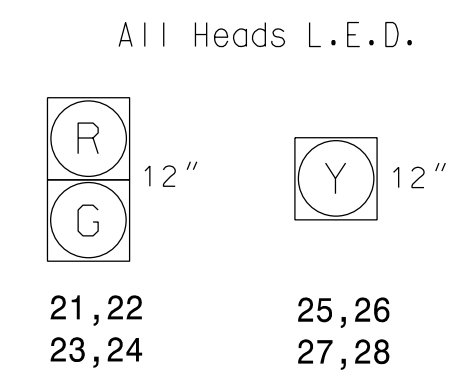


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 - - - UNSIGNALIZED MOVEMENT

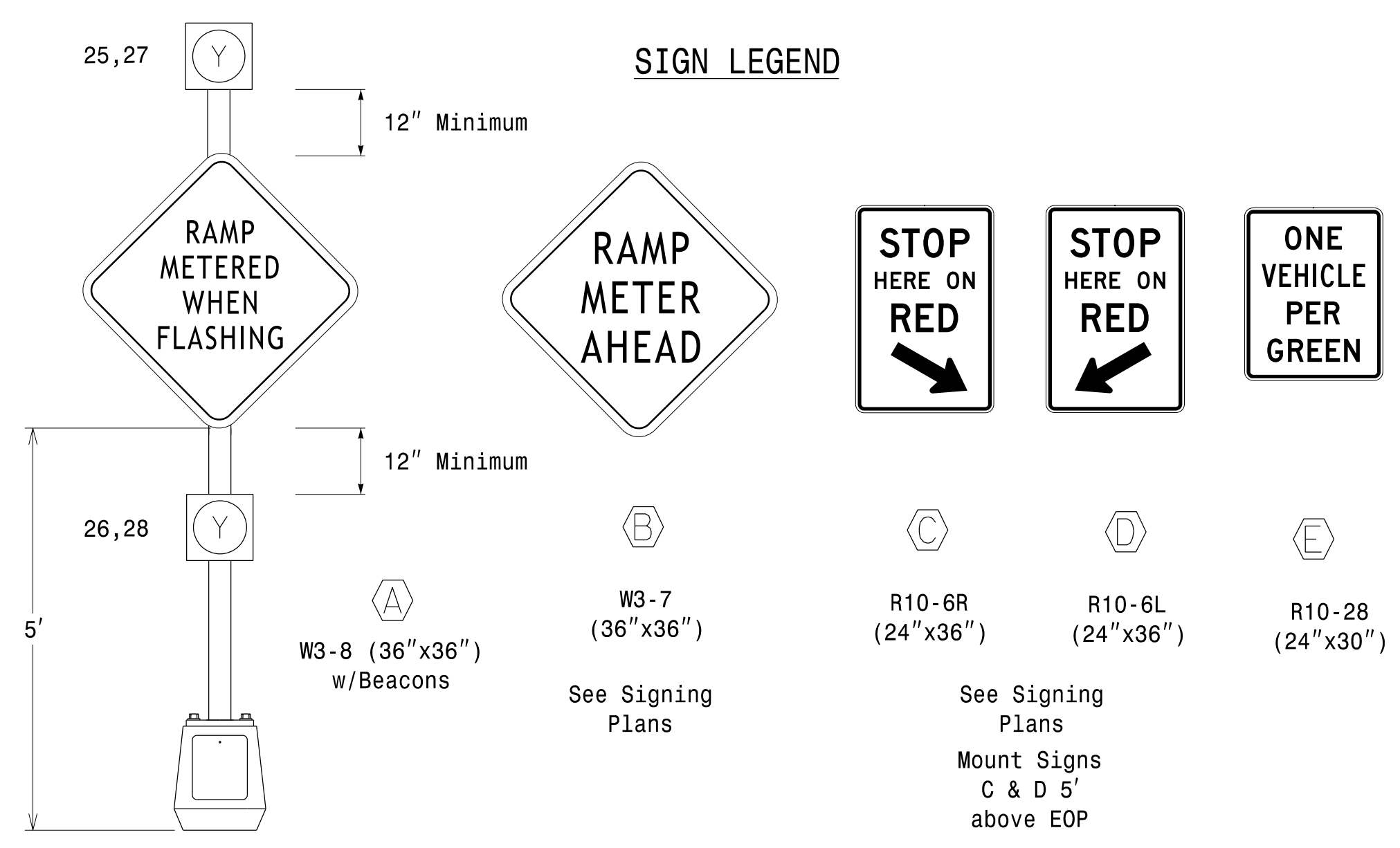
SIGNAL FACE I.D.



RAMP METER LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING								
					LANE/USE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	LOOP SYSTEM	NEW CARD	
1A	6x6	+9	3	Y	1	Y	Y	-	-	-	-	Y	
1B	6x6	3	3	Y	1	Y	-	-	-	-	-	Y	
1C	6x6	14	3	Y	1	Y	-	-	-	-	-	Y	
1D	6x6	25	3	Y	1	Y	-	-	-	-	-	Y	
2A	6x6	+9	3	Y	2	Y	Y	-	-	-	-	Y	
2B	6x6	3	3	Y	2	Y	-	-	-	-	-	Y	
2C	6x6	14	3	Y	2	Y	-	-	-	-	-	Y	
2D	6x6	25	3	Y	2	Y	-	-	-	-	-	Y	
** Ø1	6x6	445	5	Y	PRE	Y	-	Y	-	-	10	-	Y
** Ø2	6x6	445	5	Y	PRE	Y	-	Y	-	-	10	-	Y
S1-1	6x6	*	5	Y	SYS	Y	-	-	-	-	-	Y	Y
S1-2	6x6	*	5	Y	SYS	Y	-	-	-	-	-	Y	Y
S2-1	6x6	*	5	Y	SYS	Y	-	-	-	-	-	Y	Y
S2-2	6x6	*	5	Y	SYS	Y	-	-	-	-	-	Y	Y
S3-1	6x6	*	5	Y	SYS	Y	-	-	-	-	-	Y	Y
S3-2	6x6	*	5	Y	SYS	Y	-	-	-	-	-	Y	Y

* Dimensioned on plan
 ** Overqueue detector
 Notes:
 1. Tie loops 1B, 1C, 1D in series
 2. Tie loops 2B, 2C, 2D in series
 3. Tie loops Ø1, Ø2 in series



New Installation Dual Lane Ramp Meter

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

I-540 WB Entrance Ramp at NC 50 (Creedmoor Road)
 Division 5 Wake County Raleigh
 PLAN DATE: June 2016 REVIEWED BY: H A BADGETT
 PREPARED BY: J O ENSLEY REVIEWED BY: J T BROOKS
 REVISIONS: _____ INIT. DATE: _____
 N.T.S.
 DocuSigned by: H.A. Badgett 6/27/2016
 CADD Filename: ITS-16 15710_TMS.DSN16

ATKINS 5200 77 CENTER DR, SUITE 500 CHARLOTTE, NC 28217 704.665.4411 NCBEES #F-0326

27-JUN-2016 15:55
 D:\projects\2016\I-540 WB Entrance Ramp Meter\Drawings\ITS\16 15710_TMS.DSN16 Creedmoor signals 2.dgn
 WILEY054 AT 005300013