

SIGNAL SUPPORT MODIFICATION CHART
(ALL POLES ARE EXISTING UNLESS INDICATED OTHERWISE)

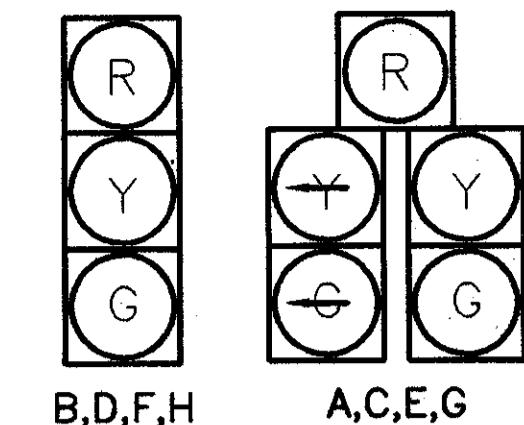
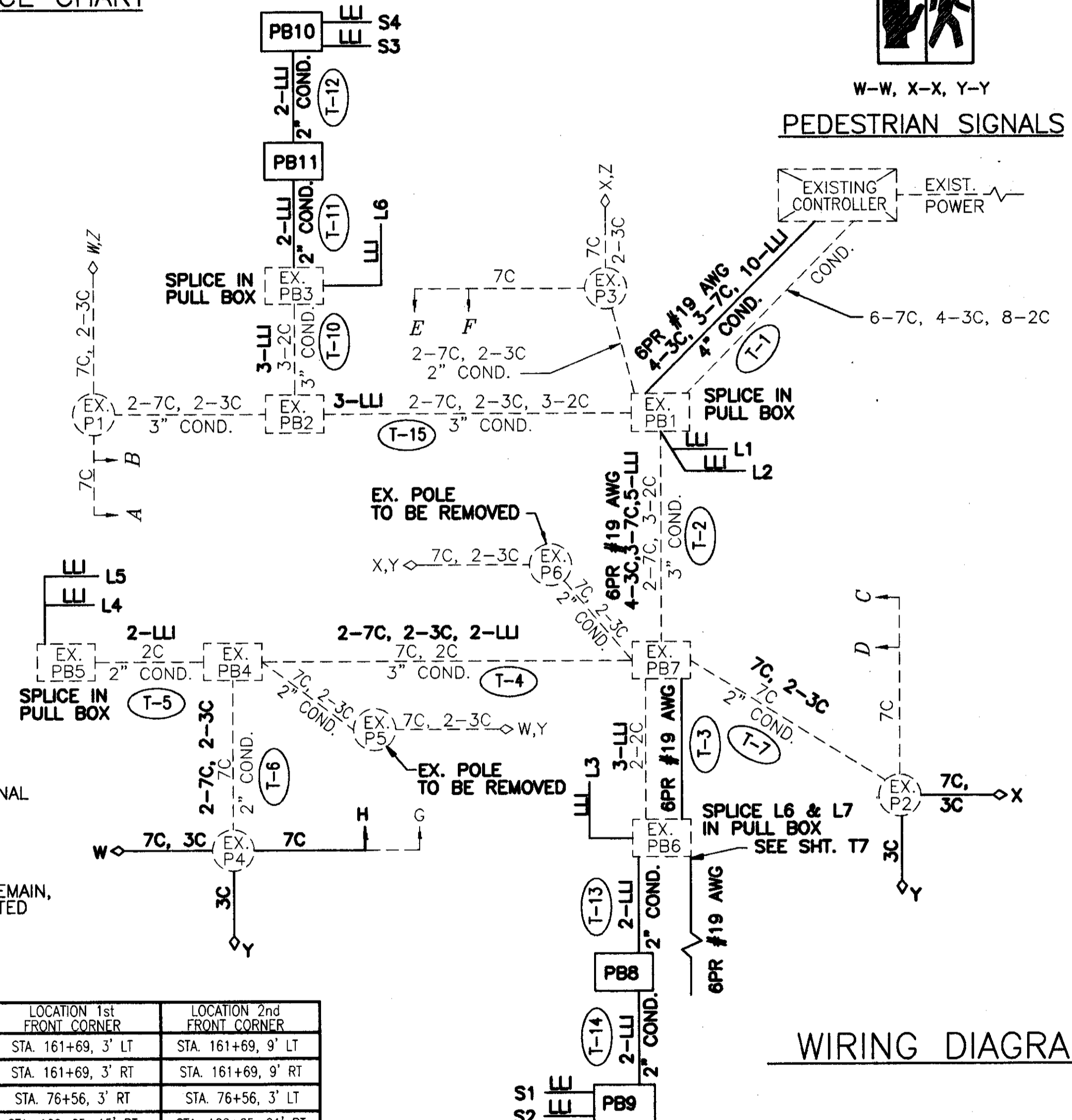
POLE NUMBER	LOCATION		SUPPORT TYPE & DESIGN NUMBER	POLE HEIGHT (Feet)	TOP OF FOUNDATION ELEV.	MAST ARM				SIGNALS			ORIENTATION ANGLE FROM MAST ARM "A" (DEGREES)					
						ARM "A" LENGTH "L"	DESIGN	ARM "B" LENGTH "L"	DESIGN	L1	L2	L3	MAST ARM "A" ORIENTATION ANGLE (DEGREES)	MAST ARM "B" ORIENTATION ANGLE (DEGREES)	HANDHOLE (PED POLE ANGLE REFERENCE)	PEDESTRIAN SIGNALS	PEDESTRIAN PUSHBUTTON	2" CONDUIT ELL
P1	77+46	50' LT																
P2	76+58	44.5' RT												90°		180°	180°	
P3	77+47	49' RT																
P4	76+51	44' LT								28*			0°		0°	270°	90°	
P5			YES															REMOVED
P6			YES															REMOVED

* EXISTING 5-SECTION SIGNAL HEAD TO BE REPLACED WITH 3-SECTION SIGNAL HEAD.

SIGNAL DIRECTION	SIGNAL HEAD	φ3 & φ7		φ4 & φ7		φ3 & φ8		φ4 & φ8		φ1 & φ5		φ2 & φ5		φ1 & φ6		φ2 & φ6		FLASH	SHELL			
		R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR					
NORTHBOUND	E	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	
	F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R
EASTBOUND	C	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	D	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
SOUTHBOUND	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	H	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
WESTBOUND	A	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
EAST	X-X	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
WEST	W-W	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
SOUTH	Y-Y	DW	DW	DW	DW	W*	W*	W*	W*	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
NORTH	Z-Z	DW	DW	DW	DW	DW	DW	W*	W*	W*	W*	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW

(a) R/-6 IF φ4 & φ7 IS NEXT (e) R/-6 IF φ2 & φ5 IS NEXT * ONLY UPON PEDESTRIAN PUSHBUTTON ACTUATION
(b) R/-6 IF φ3 & φ8 IS NEXT (f) R/-6 IF φ1 & φ6 IS NEXT

SIGNAL SEQUENCE CHART



NOTE: SIGNAL HEADS A, B, C, D, E, F & G ARE EXISTING.

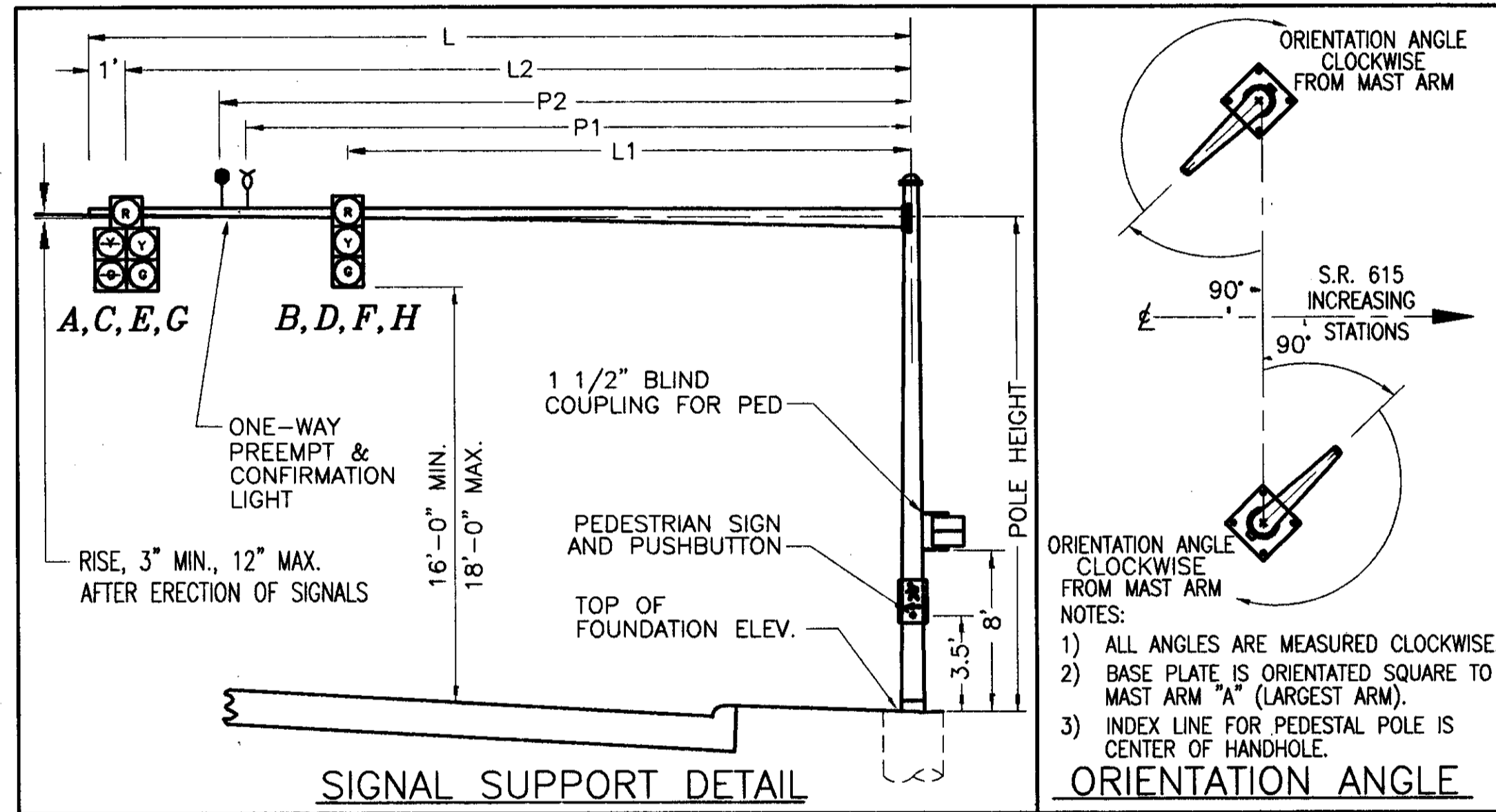
12" POLYCARBONATE SIGNAL HEADS

TYPE D-2

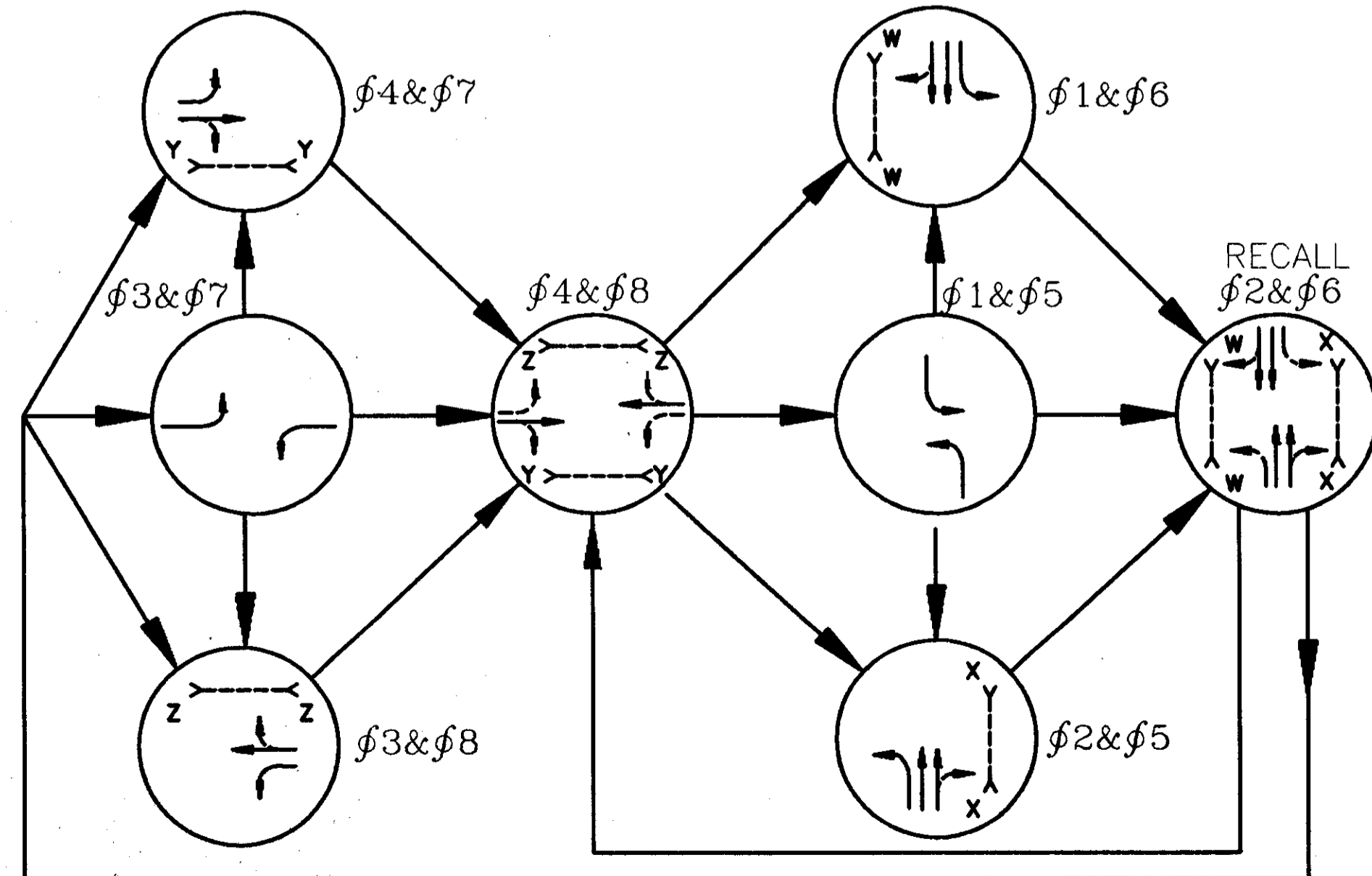


W-W, X-X, Y-Y

PEDESTRIAN SIGNALS



ORIENTATION ANGLE CLOCKWISE FROM MAST ARM
S.R. 615 INCREASING STATIONS
ORIENTATION ANGLE CLOCKWISE FROM MAST ARM
NOTES:
1) ALL ANGLES ARE MEASURED CLOCKWISE.
2) BASE PLATE IS ORIENTATED SQUARE TO MAST ARM "A" (LARGEST ARM).
3) INDEX LINE FOR PEDESTAL POLE IS CENTER OF HANDHOLE.



PHASING DIAGRAM

LOOP	SIZE	TURNS	MODE	DELAY	PHASE	REMARK	INHIBITED DELAY	LOCATION 1st FRONT CORNER	LOCATION 2nd FRONT CORNER
L-1	6X25	2	PRESENCE	5.0	φ8	STANDARD	φ8	STA. 161+69, 3' LT	STA. 161+69, 9' LT
L-2	6X25	2	PRESENCE	-	φ3	STANDARD	-	STA. 161+69, 3' RT	STA. 161+69, 9' RT
L-3	6X25	2	PRESENCE	-	φ5	STANDARD	-	STA. 76+56, 3' RT	STA. 76+56, 3' LT
L-4	6X25	2	PRESENCE	5.0	φ4	STANDARD	φ4	STA. 160+65, 15' RT	STA. 160+65, 21' RT
L-5	6X25	2	PRESENCE	-	φ7	STANDARD	-	STA. 160+65, 3' RT	STA. 160+65, 9' RT
L-6	6X25	2	PRESENCE	-	φ1	STANDARD	-	STA. 77+50, 3' LT	STA. 77+50, 3' RT
S-1	6X6	3	PULSE	-	φ2	SYSTEM	-	STA. 73+97, 21' RT	STA. 73+97, 27' RT
S-2	6X6	3	PULSE	-	φ2	SYSTEM	-	STA. 73+97, 9' RT	STA. 79+97, 15' RT
S-3	6X6	3	PULSE	-	φ6	SYSTEM	-	STA. 79+96, 21' LT	STA. 79+96, 27' LT
S-4	6X6	3	PULSE	-	φ6	SYSTEM	-	STA. 79+96, 9' LT	STA. 79+96, 15' LT

LOOP DETECTOR CHART

FUNCTION	φ1	φ2	φ3	φ4	φ5	φ6	φ7	φ8
INITIAL GREEN	5.0	-	5.0	5.0	5.0	-	5.0	5.0
MINIMUM GREEN	-	25.0	-	-	-	25.0	-	-
VEHICLE EXTENSION	3.0	4.0	3.0	3.5	3.0	4.0	3.0	3.5
MAXIMUM GREEN	20.0	35.0*	20.0	30.0	20.0	30.0*	20.0	30.0
PEDESTRIAN WALK	-	7.0	-	7.0	-	7.0	-	7.0
PEDESTRIAN CLEARANCE	-	22.0*	-	19.0*	-	22.0*	-	19.0*
VEHICLE YELLOW CLEARANCE	3.0	3.5	3.0	3.5	3.0	3.5	3.0	3.5
VEHICLE ALL RED CLEARANCE	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5
RECALL	OFF	MAX	OFF	OFF	OFF	MAX	OFF	OFF
MEMORY	N.L.	ON	N.L.	N.L.	N.L.	ON	N.L.	N.L.

* NEW VALUES TO BE ENTERED INTO CONTROLLER

SIGNAL TIMING CHART