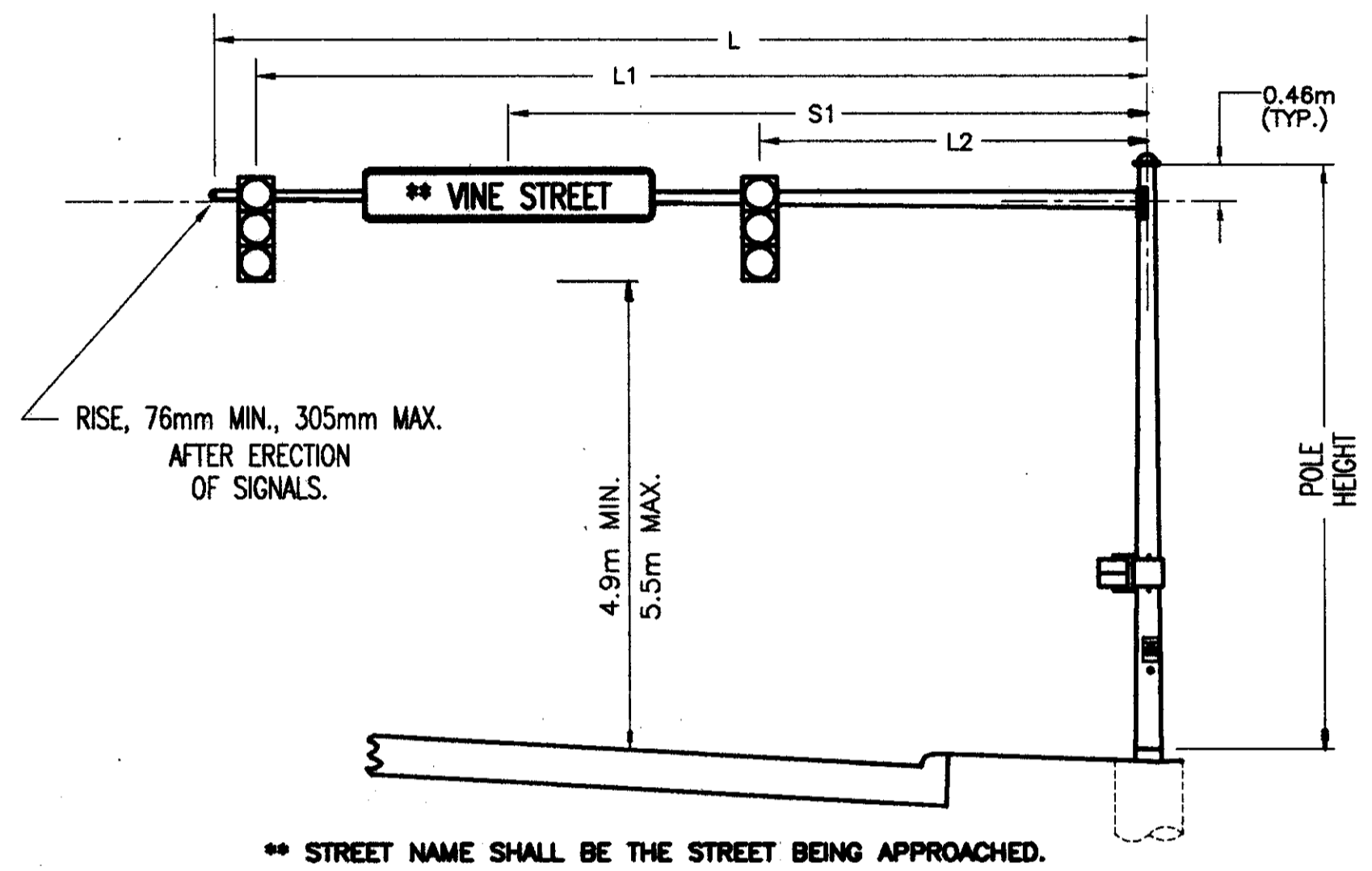
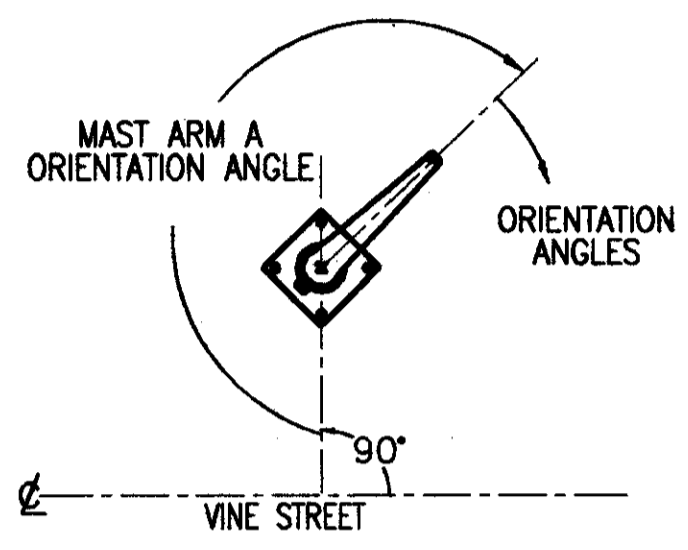


LOOP	SIZE	TURNS	MODE	DELAY	PHASE	REMARK	LOCATION 1st FRONT CORNER	LOCATION 2nd FRONT CORNER
L-1	1.8X9.1	2	PRESENCE	-	φ2	STANDARD	3+359.9	3+361.7
L-2	1.8X9.1	2	PRESENCE	-	φ2	STANDARD	3+356.4	3+358.2
L-3	1.8X9.1	2	PRESENCE	-	φ3	STANDARD	3+319.6	3+321.4
SL3	1.8X1.8	3	SYSTEM				3+392.2	3+394.0
SL4	1.8X1.8	3	SYSTEM				3+392.2	3+394.0
SL5	1.8X1.8	3	SYSTEM				3+306.4	3+308.2
SL6	1.8X1.8	3	SYSTEM				3+306.4	3+308.2

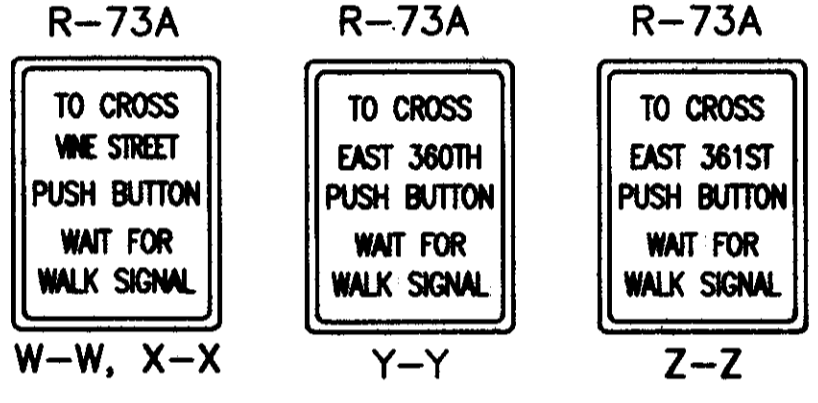
LOOP DETECTOR CHART



SIGNAL SUPPORT DETAIL

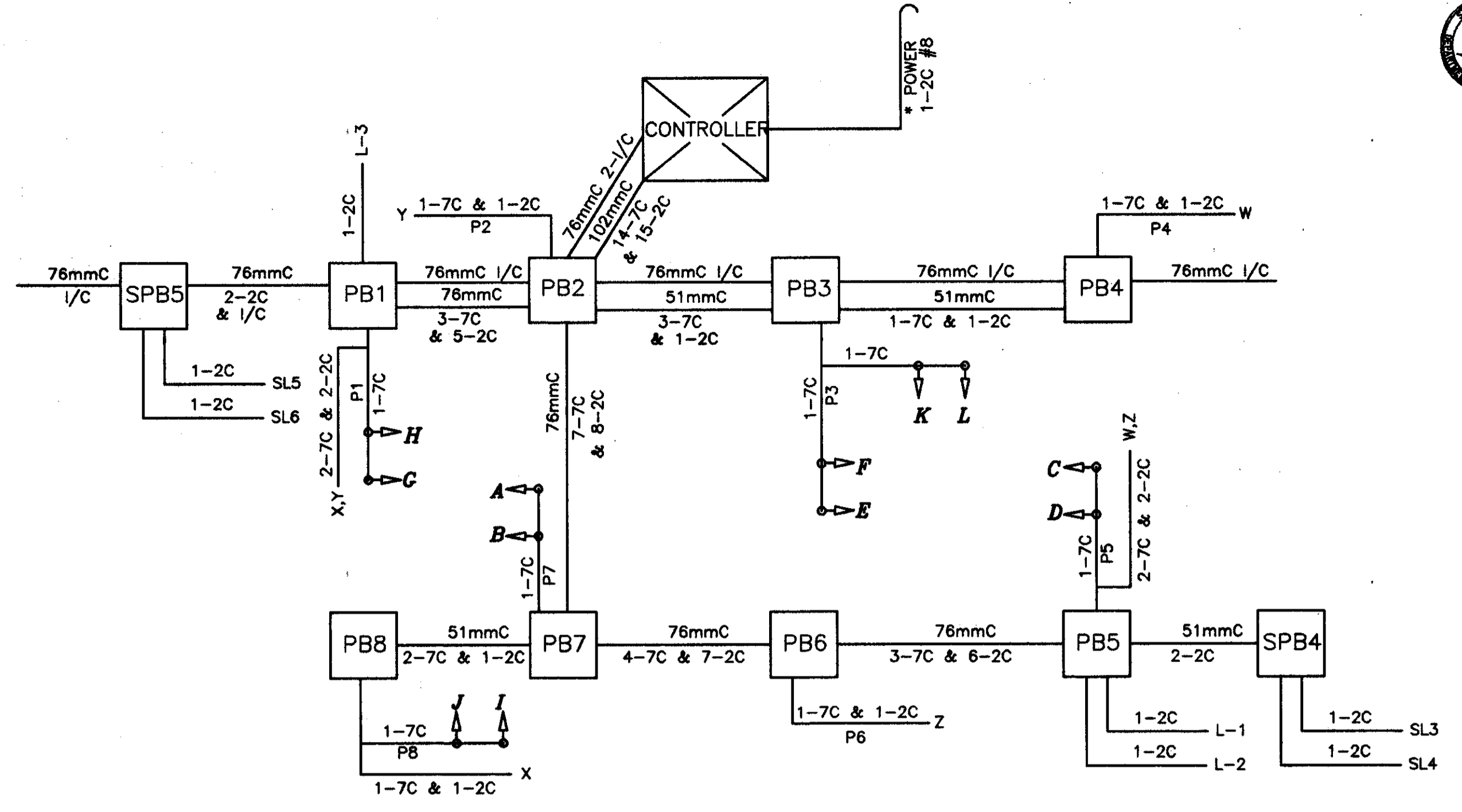


NOTES:
 1) ALL ANGLES MEASURED CLOCKWISE.
 2) BASE PLATE IS ORIENTED SQUARE TO MAST ARM A (LARGEST ARM) EVEN IF SUPPORT HAS TWO MAST ARMS.



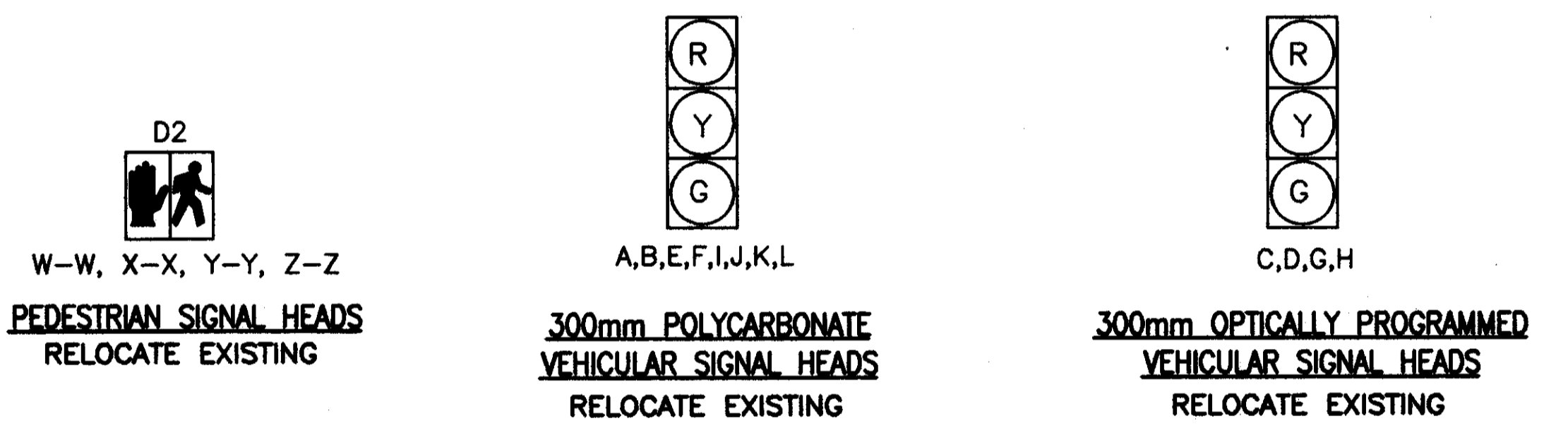
PUSHBUTTON SIGN 225mm x 900mm

NOTE: SIGNAL SUPPORTS SHALL BE EQUIPPED WITH THE APPROPRIATE PUSHBUTTON SIGN LEGEND.



* POWER CABLE SHALL BE RUN FROM THE NEAREST POWER POLE TO THE CONTROLLER IN A SEPARATE 51mm(2") CONDUIT.

WIRING DIAGRAM



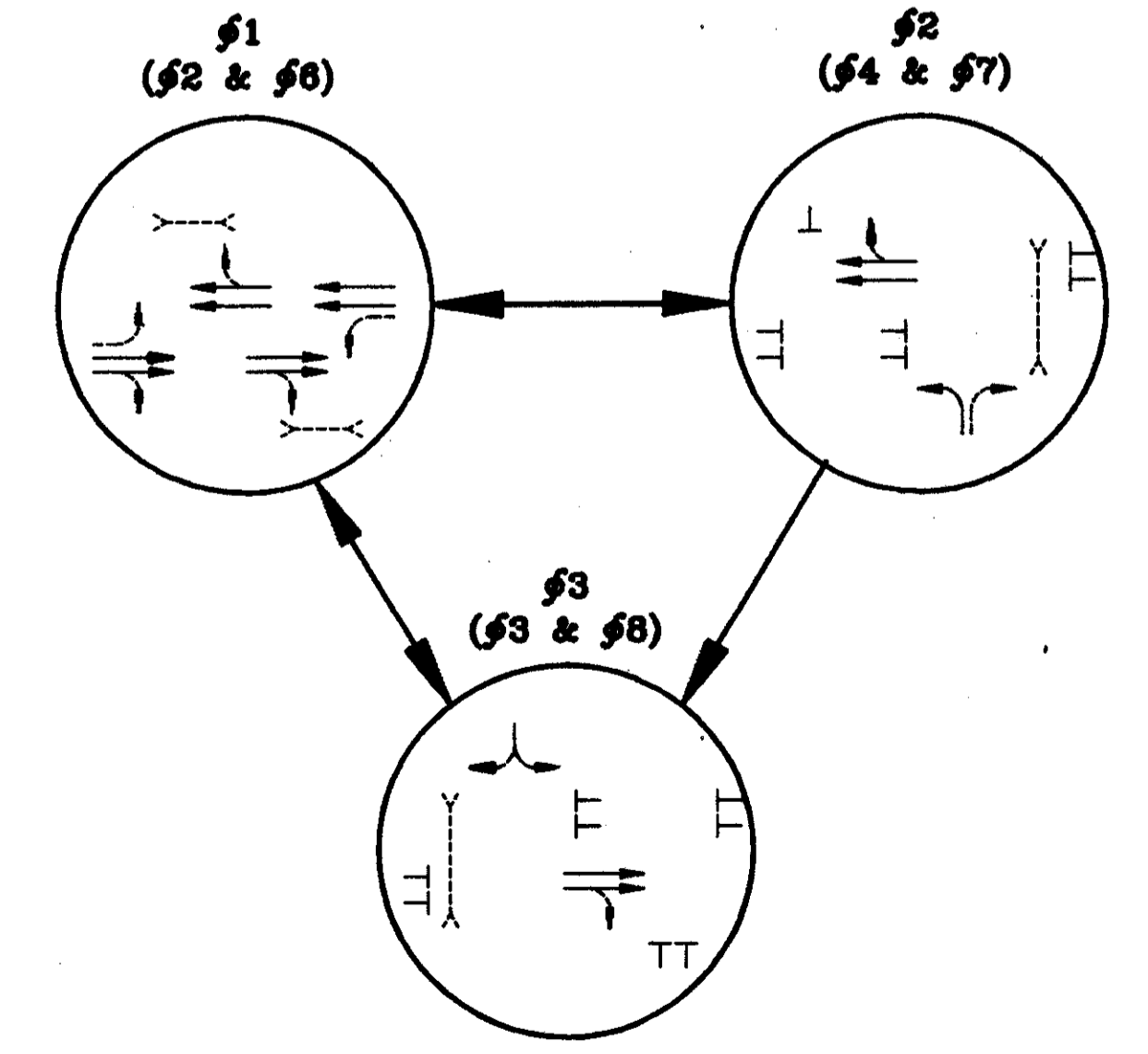
LOCATION		SIGNAL SUPPORT TYPE TC-81.20M							ORIENTATION ANGLE (DEG) FROM MAST ARM A											
		POLE NUMBER	DESIGN NUMBER	POLE HEIGHT (Meters)	ARM LENGTH 'L' (Meters)			PREEMPT	S1	S2	MAST ARM A ANGLE (DEGREES)	MAST ARM B	PEDESTRIAN SIGNAL	PED. PUSHBUTTON	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE	
STATION	OFFSET	L1	L2	L3																
3+309.74	11.70m LT.	P1	3	6.4	9.14	8.35	5.35		6.85		0	0/270	0/270					180		
3+334.28	11.72m LT.	P2	PED	2.4								180	180					*		
3+346.32	11.70m LT.	P3	5	6.4	14.02	13.33	10.33		11.83		270							270		
3+368.91	11.72m LT.	P4	PED	2.4					8.37		90							*		
3+371.43	13.03m RT.	P5	4	6.4	10.36	9.52	6.52		8.02		0	0/270	0/270					180		
3+342.66	13.50m RT.	P6	PED	2.4								180	180					*		
3+333.50	11.77m RT.	P7	3	6.4	10.36	9.97	6.54		8.25		0							180		
3+318.34	11.72m RT.	P8	1	6.4	4.88	4.45	1.45		2.95		90							90		

NOTE: PED ORIENTATION REFERENCED TO HANDHOLE * - HANDHOLE TO BE ORIENTED 180° FROM ROADWAY

SIGNAL HEAD	φ1		φ2		φ3		PUSH	DWELL	
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR			
A	G	Y	R	R	R	R	R	Y	G
B	G	Y	R	R	R	R	R	Y	G
C	G	Y	R	R	R	R	G	Y	G
D	G	Y	R	R	R	R	G	Y	G
E	G	Y	R	R	R	R	R	Y	G
F	G	Y	R	R	R	R	R	Y	G
G	G	Y	R	G	Y	R	R	Y	G
H	G	Y	R	G	Y	R	R	Y	G
I	R	R	R	R	R	R	G	Y	R
J	R	R	R	R	R	R	G	Y	R
K	R	R	R	R	G	Y	R	R	R
L	R	R	R	R	G	Y	R	R	R
W-W	W	FDW	DW	DW	DW	DW	DW	DW	DW
X-X	W	FDW	DW	DW	DW	DW	DW	DW	DW
Y-Y	DW	DW	DW	W	FDW	DW	W	FDW	DW
Z-Z	DW	DW	DW	W	FDW	DW	W	FDW	DW

SIGNAL SEQUENCE CHART

① G IF φ3 NEXT ② G IF φ1 NEXT



PHASING DIAGRAM

NOTE: EXISTING SIGNAL TIMING SHALL BE MAINTAINED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.