

THIS SHEET IS FOR INFORMATION ONLY

SPLIT PHASE OPERATION
(RIGHT TURN OVERLAP WIRED TO PHASES)

IN THIS EXAMPLE, THE RIGHT TURNS ARE WIRED TO A PHASE INSTEAD OF AN OVERLAP.
THE MAIN DIFFERENCE DOING IT THIS WAY OCCURS DURING PREEMPTION.
THE RIGHT TURN OVERLAP WILL ALWAYS BE ON DURING PREEMPTION.
IF THE RIGHT TURN OVERLAP SHOULD NOT BE ON DURING PREEMPTION,
THEN IT HAS TO BE WIRED TO AN OVERLAP INSTEAD.

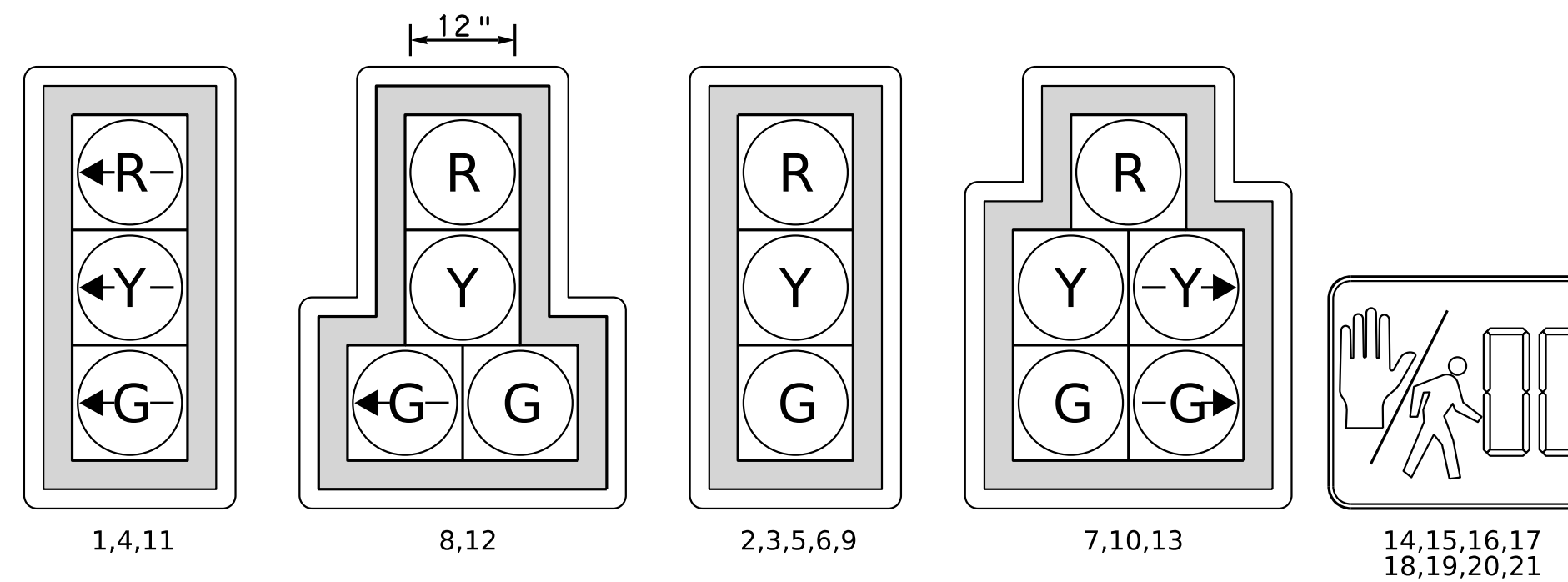
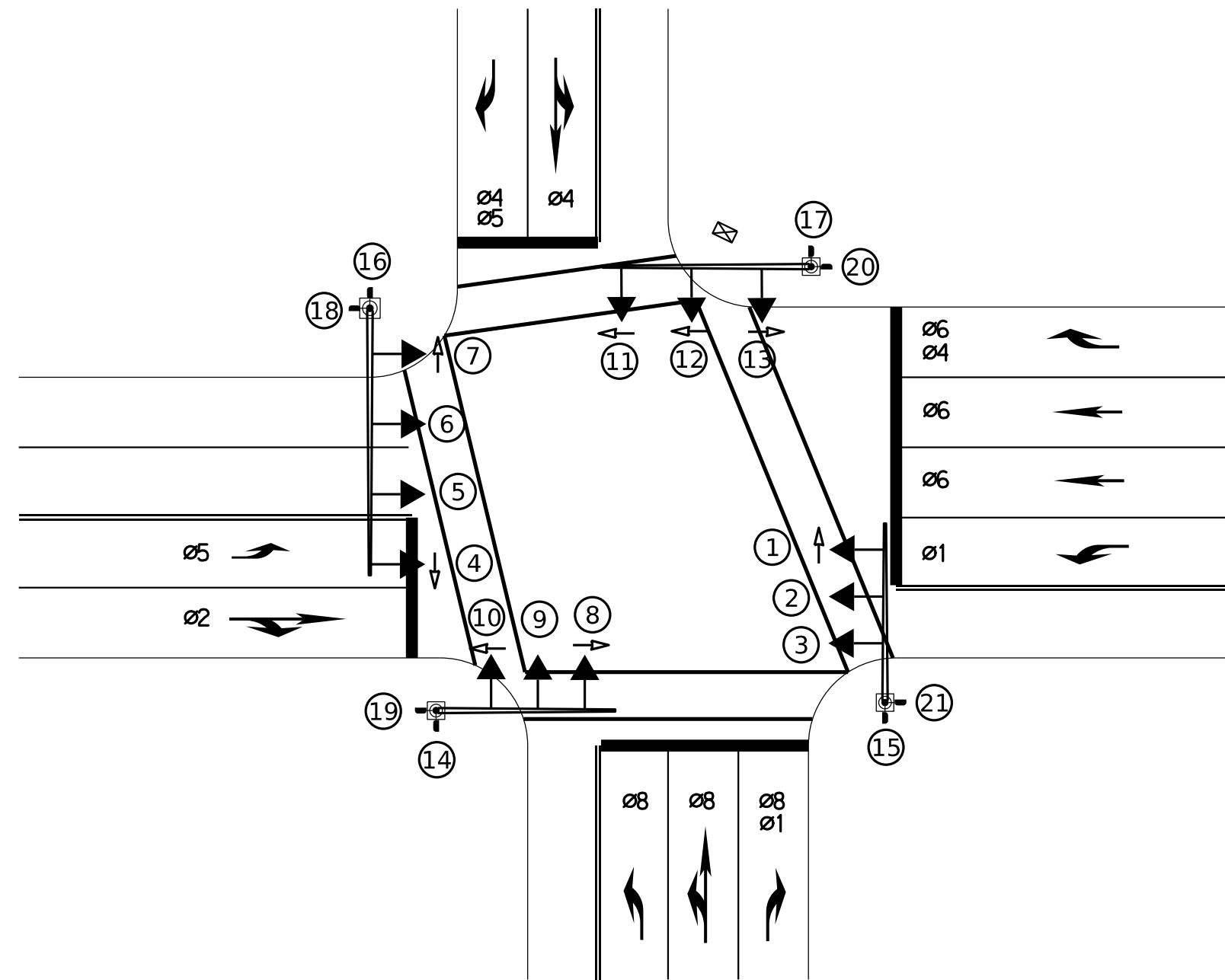
SIX PHASE OPERATION
(6 VEHICLE PHASES)

LEFT TURN PHASES

- MAINLINE:
(2) PROTECTED/PROHIBITED: 3-SECTION LEFT
SIDE STREET:
(2) SPLIT: 4-SECTION LEFT (1 WITH DUAL LEFTS)

RIGHT TURN PHASES

- MAINLINE:
(1) PERMISSIVE: 3-SECTION
(1) PROTECTED/PERMISSIVE: 5-SECTION RIGHT
SIDE STREET:
(2) PROTECTED/PERMISSIVE: 5-SECTION RIGHT



BARRIER

BARRIER

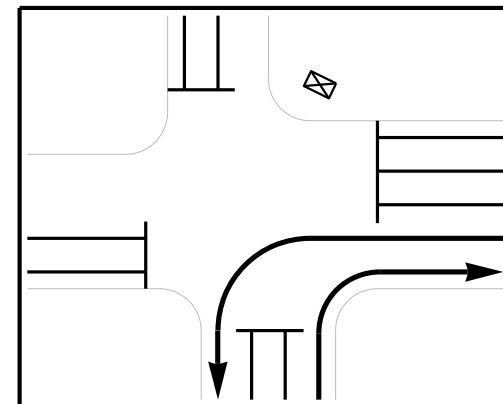
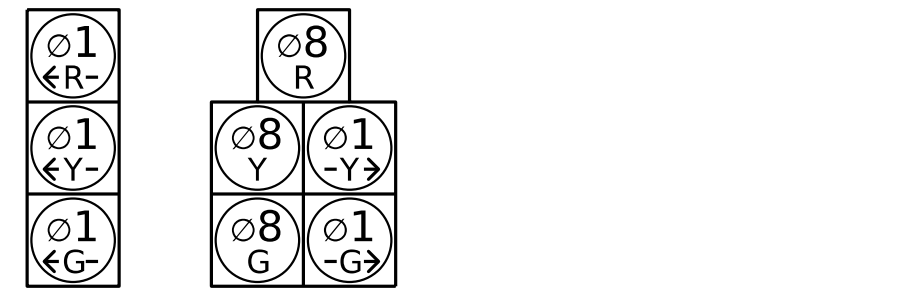
BARRIER

BARRIER

RING A

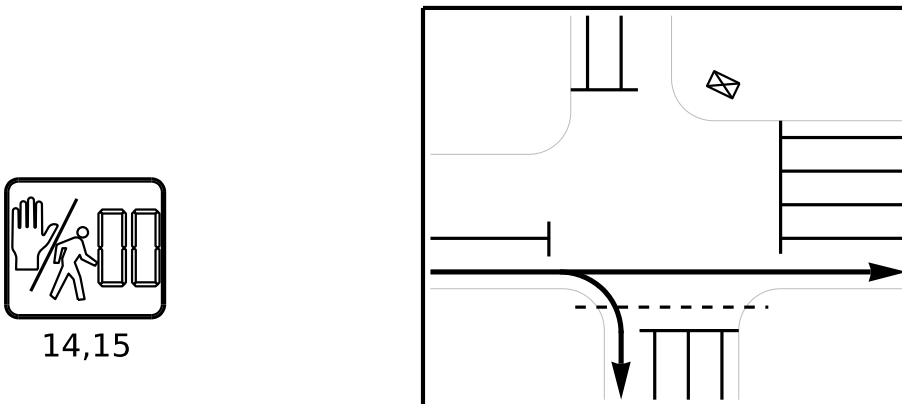
RING B

PHASE: 1



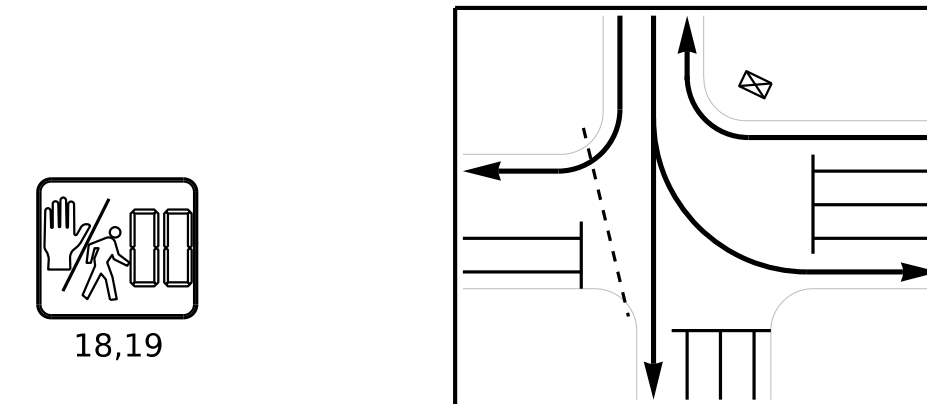
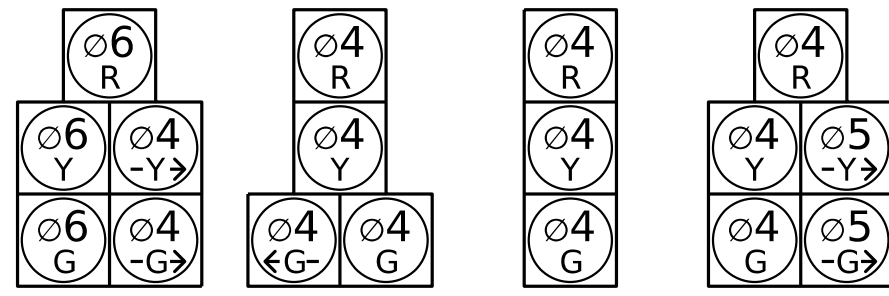
SIGNALS	Ø	LPI	GREEN ACTIVE	YELLOW CHANGE	RED CLEAR
4	Ø1	⊗	←G-	←Y-	←R-
13	Ø8	⊗	R	R	R
	Ø1	⊗	-G→	-Y→	-

PHASE: 2



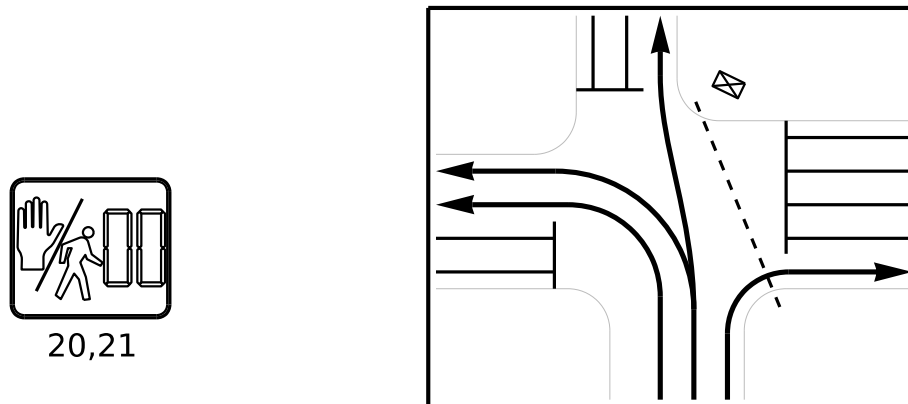
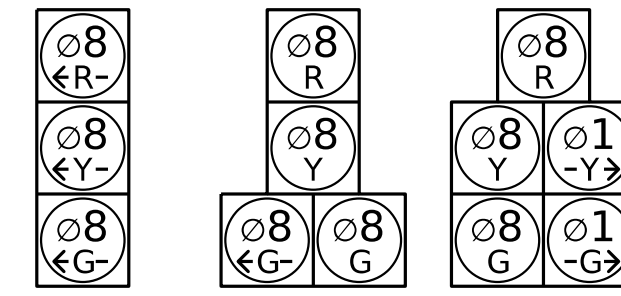
SIGNALS	Ø	LPI	GREEN ACTIVE	YELLOW CHANGE	RED CLEAR
2,3	Ø2	-	G	Y	R
14,15	Ø2P	-	W/FDW DW	DW	DW

PHASE: 4



SIGNALS	Ø	LPI	GREEN ACTIVE	YELLOW CHANGE	RED CLEAR
7	Ø6	-	R	R	R
8	Ø4	-	-G→	-Y→	-
9	Ø4	-	←G-	Y	R
10	Ø4	-	G	Y	R
18,19	Ø4P	-	W/FDW DW	DW	DW

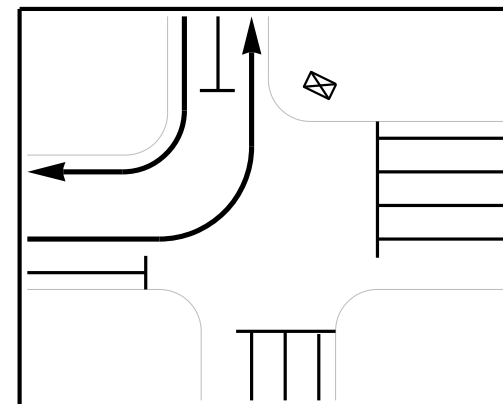
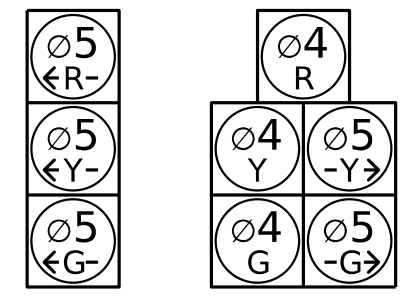
PHASE: 8



SIGNALS	Ø	LPI	GREEN ACTIVE	YELLOW CHANGE	RED CLEAR
11	Ø8	-	←G-	←Y-	←R-
12	Ø8	-	←G-	G	Y
13	Ø8	-	G	Y	R
20,21	Ø8P	-	W/FDW DW	DW	DW

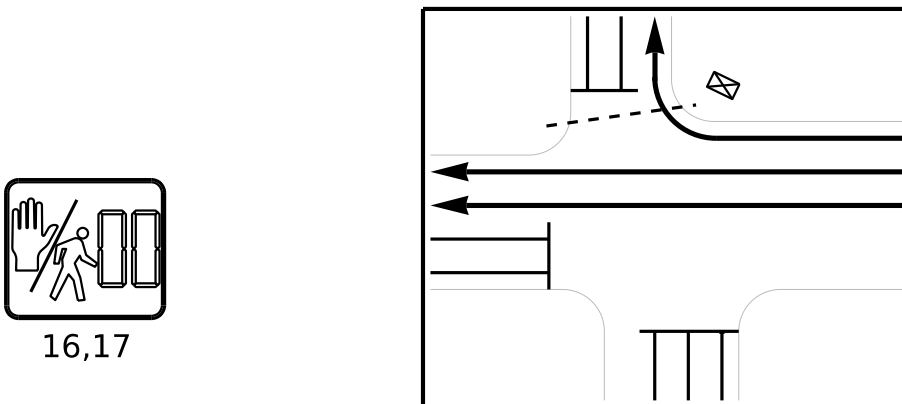
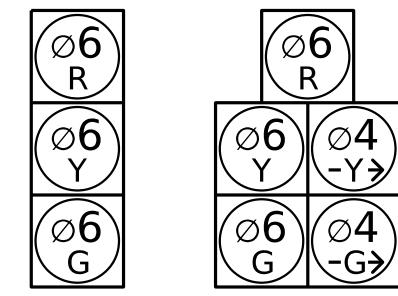
① -G→ IF Ø3 FOLLOWS

PHASE: 5



SIGNALS	Ø	LPI	GREEN ACTIVE	YELLOW CHANGE	RED CLEAR
1	Ø1	⊗	←G-	←Y-	←R-
10	Ø4	⊗	R	R	R
	Ø1	⊗	-G→	-Y→	-

PHASE: 6



SIGNALS	Ø	LPI	GREEN ACTIVE	YELLOW CHANGE	RED CLEAR
5,6	Ø6	-	G	Y	R
7	Ø6	-	G	Y	R
16,17	Ø6P	-	W/FDW DW	DW	DW

PHASE TIMING

PHASES	1	2	3	4	5	6	7	8
MIN GREEN	5	12		5	5	12		5
ADVANCE WALK								
WALK		7		7		7		7
DON'T WALK		16		15		16		21
VEH EXT	2	2		2	2	2		2
MAX 1	30	60		30	30	60		30
MAX 2	30	60		30	30	60		30
YELLOW	3	4		4	3	4		3
RED	3	3		3	3	3		4
MIN RECALL								
MAX RECALL								
SOFT RECALL		X				X		
PED RECALL								
REST IN WALK								
DUAL ENTRY								
MEMORY	NL	L		NL	NL	L		NL

PREEMPTION

TYPE	EVP	EVP	EVP	EVP
CONFIRMATION SIGNAL	A	B	C	D
DWELL PHASES Ø	1,6	2,5	4	8
DWELL OVERLAPS				
PREEMPT MIN	10	10	10	10
PREEMPT MAX	60	60	60	60
EXIT PHASE Ø	2,6	2,6	4	8