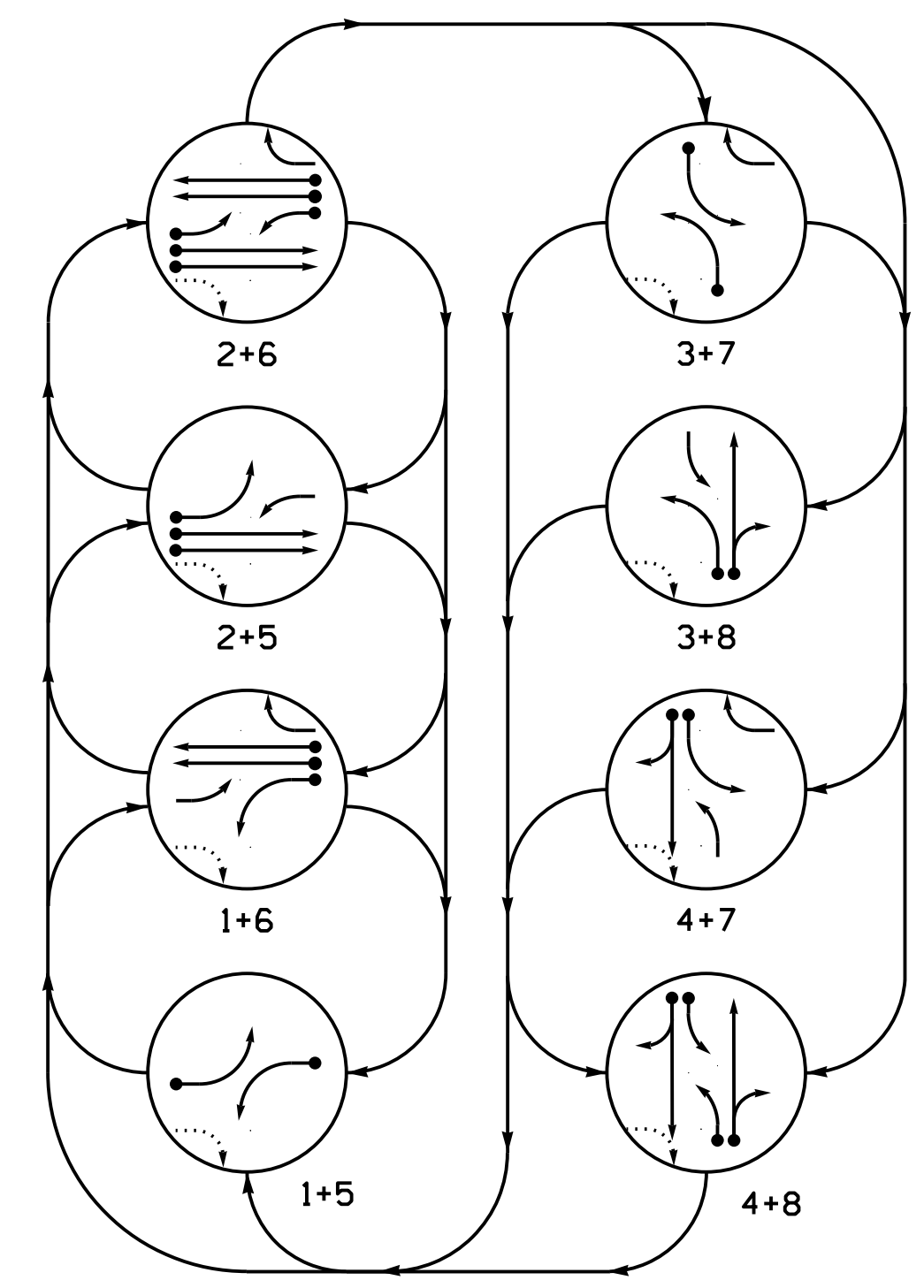


DEFAULT PHASING DIAGRAM



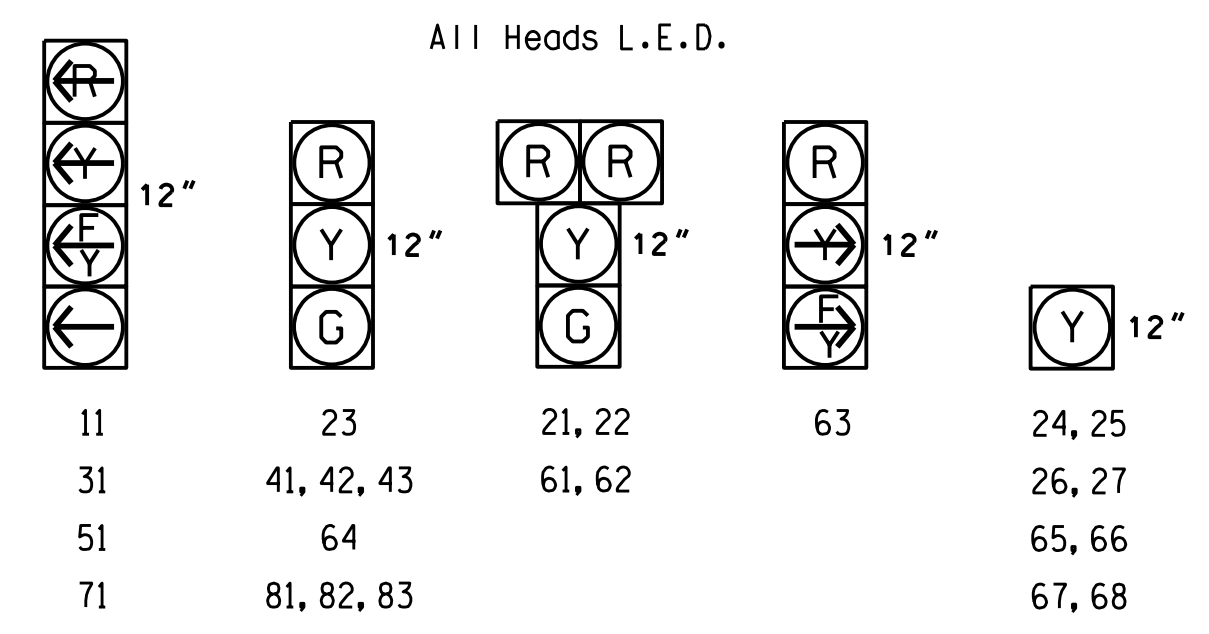
PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←- -→ UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE								FLASH
	1 + 5	2 + 6	3 + 7	4 + 8	1 + 5	2 + 6	3 + 7	4 + 8	
11	—	—	—	—	—	—	—	—	—
21, 22	R	R	G	G	R	R	R	R	R
23	R	R	G	G	R	R	R	R	R
31	—	—	—	—	—	—	—	—	—
41, 42, 43	R	R	R	R	R	R	G	G	R
51	—	—	—	—	—	—	—	—	—
61, 62	R	G	R	G	R	R	R	R	R
63	R	Y	R	Y	Y	R	Y	R	R
64	R	G	R	G	R	R	R	R	R
71	—	—	—	—	—	—	—	—	—
81, 82, 83	R	R	R	R	R	G	R	G	R

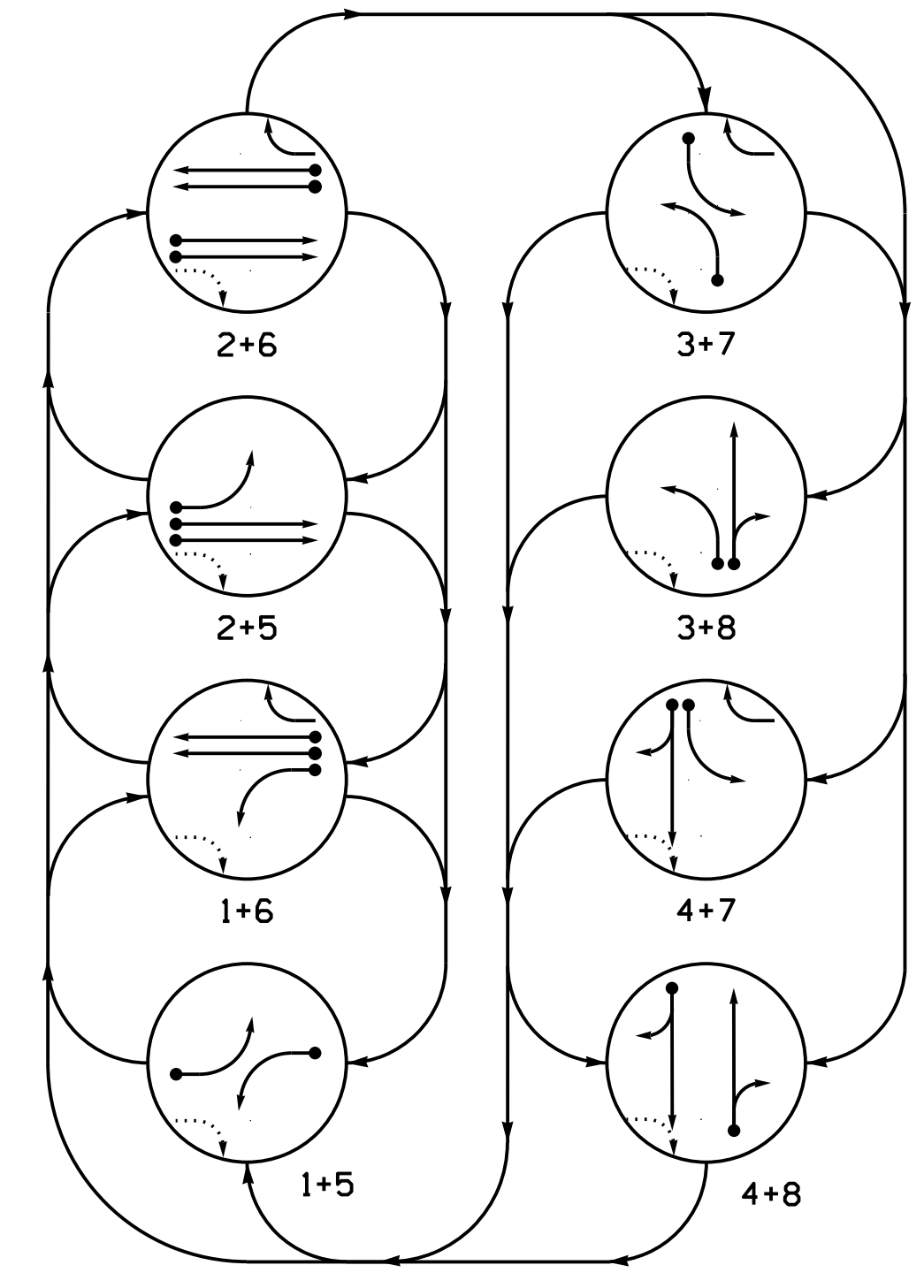
SIGNAL FACE I.D.



8 Phase Fully Actuated w/ Alternate Phasing Isolated NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Activate beacons 24, 25, 26, and 27 to flash three seconds prior to the end of phase 2. These beacons shall remain flashing until the beginning of the succeeding phase 2 green.
- Activate beacons 65, 66, 67, and 68 to flash three seconds prior to the end of phase 6. These beacons shall remain flashing until the beginning of the succeeding phase 6 green.
- See roadway plans for pavement marking details.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←- -→ UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE								FLASH
	1 + 5	2 + 6	3 + 7	4 + 8	1 + 5	2 + 6	3 + 7	4 + 8	
11	—	—	—	—	—	—	—	—	—
21, 22	R	R	G	G	R	R	R	R	R
23	R	R	G	G	R	R	R	R	R
31	—	—	—	—	—	—	—	—	—
41, 42, 43	R	R	R	R	R	R	G	G	R
51	—	—	—	—	—	—	—	—	—
61, 62	R	G	R	G	R	R	R	R	R
63	R	Y	R	Y	Y	R	Y	R	R
64	R	G	R	G	R	R	R	R	R
71	—	—	—	—	—	—	—	—	—
81, 82, 83	R	R	R	R	R	G	R	G	R

This plan supersedes the plan sealed on 08/30/2024.

New Installation - Sheet 2 of 2

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Division 3 Brunswick County Northwest

PLAN DATE: February 2025 EXULT PROJ. NO: 143001

PREPARED BY: SD Wilder REVIEWED BY: WJ Hamilton

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

William J. Hamilton
02/04/2025

SIG. INVENTORY NO. 03-1238