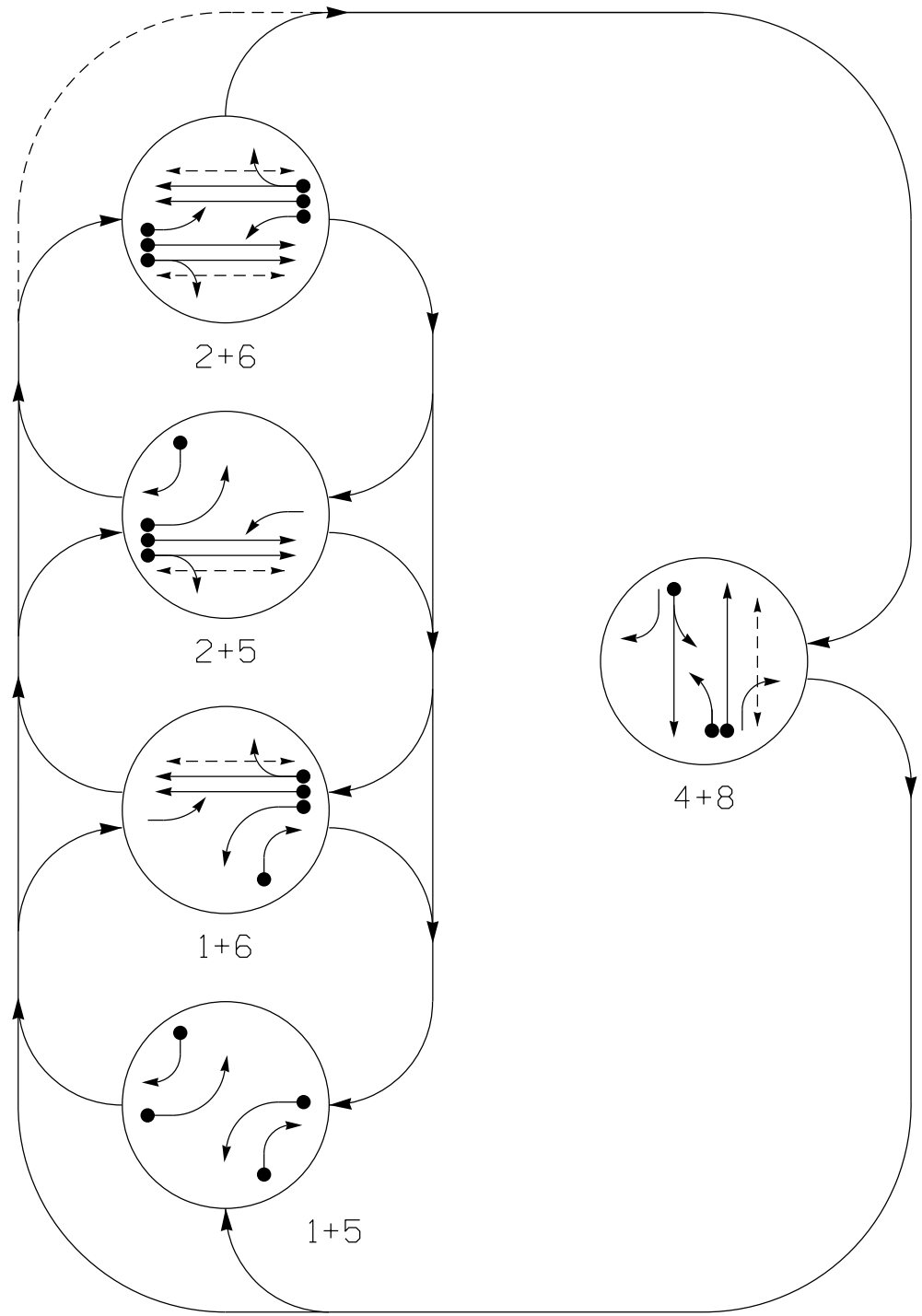
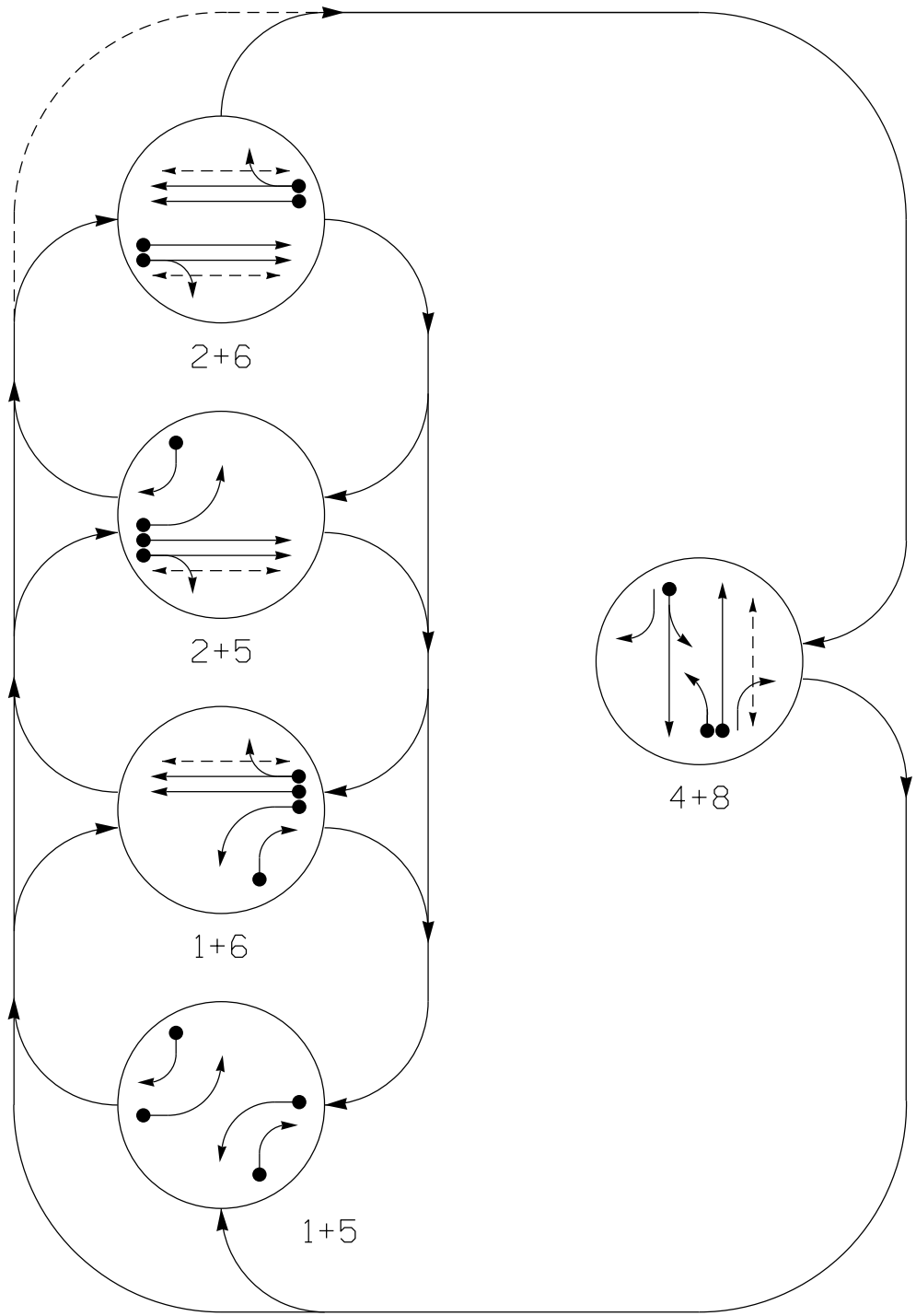


PROJECT REFERENCE NO.	SHEET NO.
U-4758	Sig. 12.0

DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE					
	1 + 5	1 + 6	2 + 5	2 + 6	4 + 8	F L T H S
II	←	←	←	←	←	←
2L, 22	R	R	G	G	R	R
4L	R	R	R	R	G	R
42	R	R	R	R	G	R
5L	←	←	←	←	←	←
6L, 62	R	G	R	G	R	R
8L	R	R	R	R	←	←
82, 83	R	R	R	R	G	R
84	→	→	R	R	←	←
P2L, P22	DW	DW	W	W	DW	DRK
P6L, P62	DW	W	DW	W	DW	DRK
P8L, P82	DW	DW	DW	DW	W	DRK

SIGNAL FACE	PHASE					
	1 + 5	1 + 6	2 + 5	2 + 6	4 + 8	F L T H S
II	←	←	←	←	←	←
2L, 22	R	R	G	G	R	R
4L	R	R	R	R	G	R
42	R	R	R	R	G	R
5L	←	←	←	←	←	←
6L, 62	R	G	R	G	R	R
8L	R	R	R	R	←	←
82, 83	R	R	R	R	G	R
84	→	→	R	R	←	←
P2L, P22	DW	DW	W	W	DW	DRK
P6L, P62	DW	W	DW	W	DW	DRK
P8L, P82	DW	DW	DW	DW	W	DRK

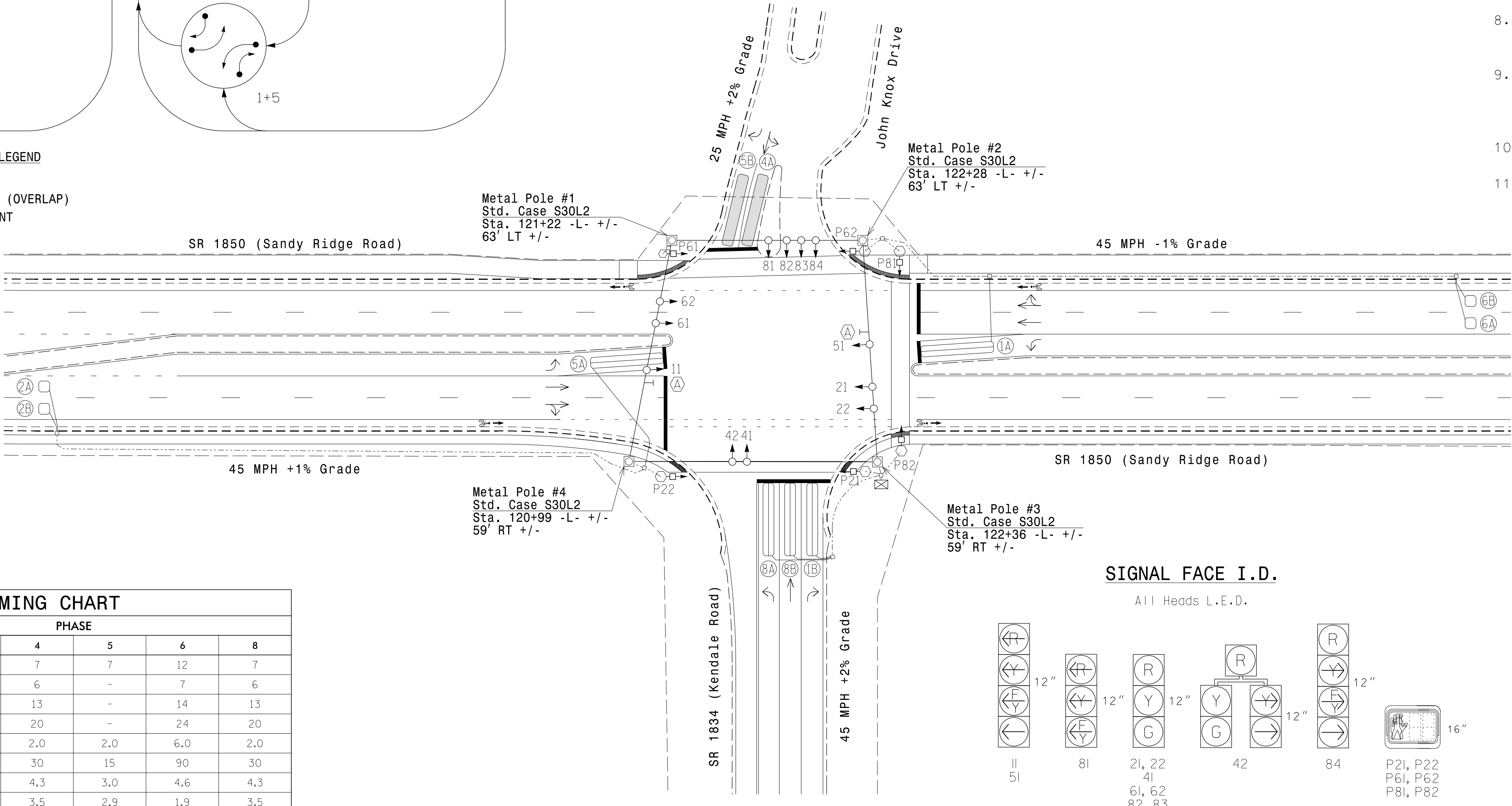
ASC/3 DETECTOR INSTALLATION CHART												
DETECTOR					PROGRAMMING							
LOOP/ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	X	1	Yes	-	15.0**	-	N	-	X
1B	6X40	0	2-4-2	X	6#	Yes	-	3.0	-	G	-	X
2A	6X6	300	4	X	2	Yes	-	-	X	N	-	X
2B	6X6	300	4	X	2	Yes	-	-	X	N	-	X
4A*	6X40	0	*	*	4	Yes	-	-	-	N	-	-
5A	6X40	0	2-4-2	X	5	Yes	-	15.0**	-	N	-	X
5B*	6X40	0	*	*	5	Yes	-	15.0	-	N	-	-
6A	6X6	300	4	X	6	Yes	-	-	X	N	-	X
6B	6X6	300	4	X	6	Yes	-	-	X	N	-	X
8A	6X40	0	2-4-2	X	8	Yes	-	3.0	-	N	-	X
8B	6X40	0	2-4-2	X	8	Yes	-	-	-	N	-	X

* Non-Intrusive Detection Zone
** Disable delay during alternate phasing operation
Disable phase call for loop(s) during alternate phasing operation

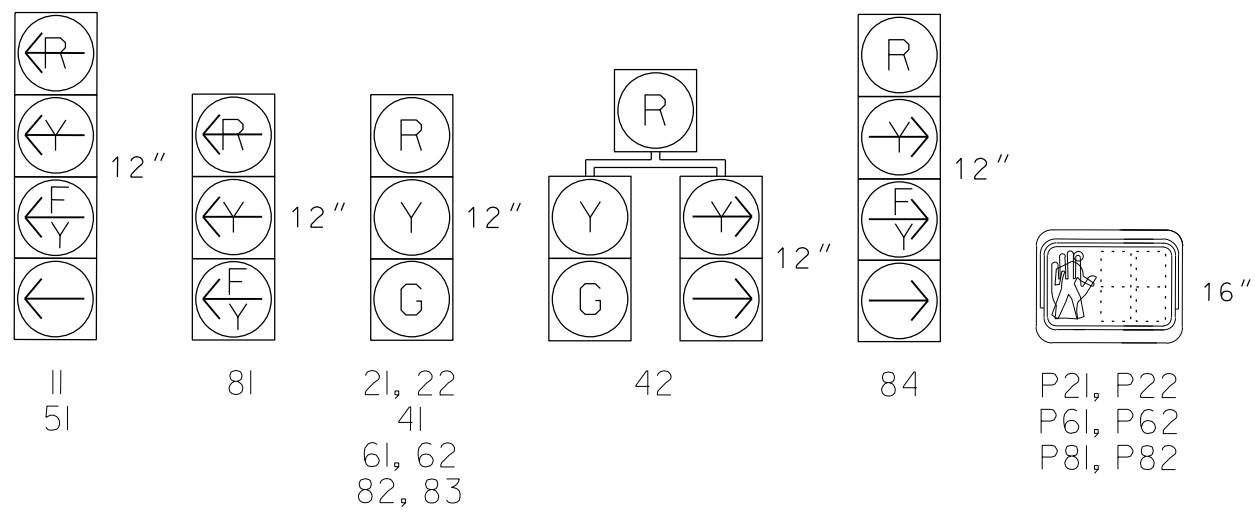
5 Phase Fully Actuated (High Point Signal System)

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.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Metal poles, Type I pushbutton posts and Type II pedestals shall be BLACK in color.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



SIGNAL FACE I.D.
All Heads L.E.D.



FEATURE	PHASE					
	1	2	4	5	6	8
Min Green *	7	12	7	12	7	7
Delayed Green	-	7	6	-	7	6
Walk *	-	14	13	-	14	13
Ped Clear	-	22	20	-	24	20
Veh. Extension *	2.0	6.0	2.0	2.0	6.0	2.0
Max 1 *	15	90	30	15	90	30
Yellow	3.0	4.6	4.3	3.0	4.6	4.3
Red Clear	3.5	1.9	3.5	2.9	1.9	3.5
Actuations B4 Add *	-	-	-	-	-	-
Seconds / Actuation *	-	1.5	-	-	1.5	-
Max Initial *	-	34	-	-	34	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.0	-	-	3.0	-
Locking Detector	-	X	-	-	X	-
Recall Position **	-	SOFT RECALL	-	-	SOFT RECALL	-
Dual Entry	-	-	X	-	-	X
Simultaneous Gap	X	X	X	X	X	X

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.
** May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.

LEGEND

PROPOSED	EXISTING
	N/A
	N/A

New Installation

 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326	Prepared for the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529 SCALE 0 40 1"=40'	SR 1850 (Sandy Ridge Road) at SR 1834 (Kendale Road)/ John Knox Drive Division 7 Guilford County High Point PLAN DATE: January 2025 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL James T. Stiff 3/14/2025 DATE
	SIG. INVENTORY NO. 07-1111		