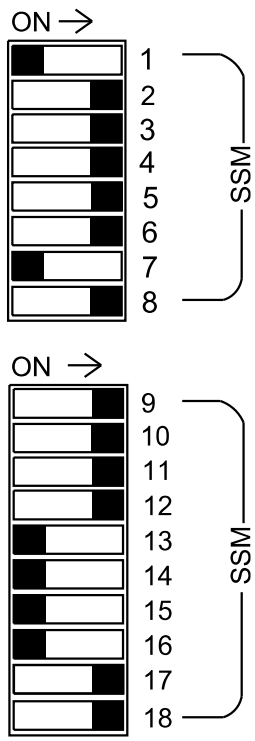
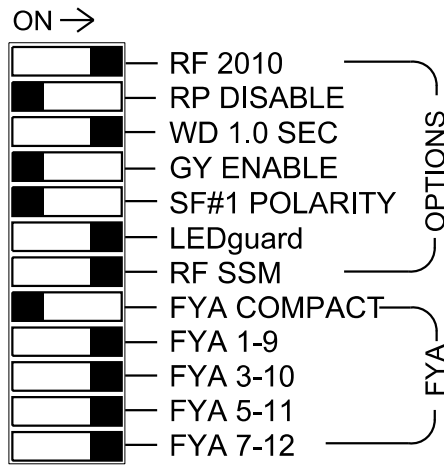
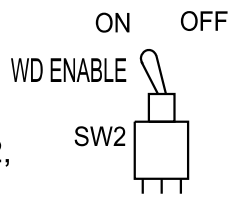


(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 1-17, 2-5, 2-6, 2-9, 2-11, 3-7, 3-8, 3-10, 3-12, 3-17, 3-18, 4-7, 4-8, 4-10, 4-12, 4-18, 5-9, 5-11, 5-17, 6-9, 6-11, 6-17, 7-10, 7-12, 7-18, 8-10, 8-12, 9-11, 9-17, 10-12, 10-17, 10-18, 11-17, and 12-18.



■ = DENOTES POSITION OF SWITCH

NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that the Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

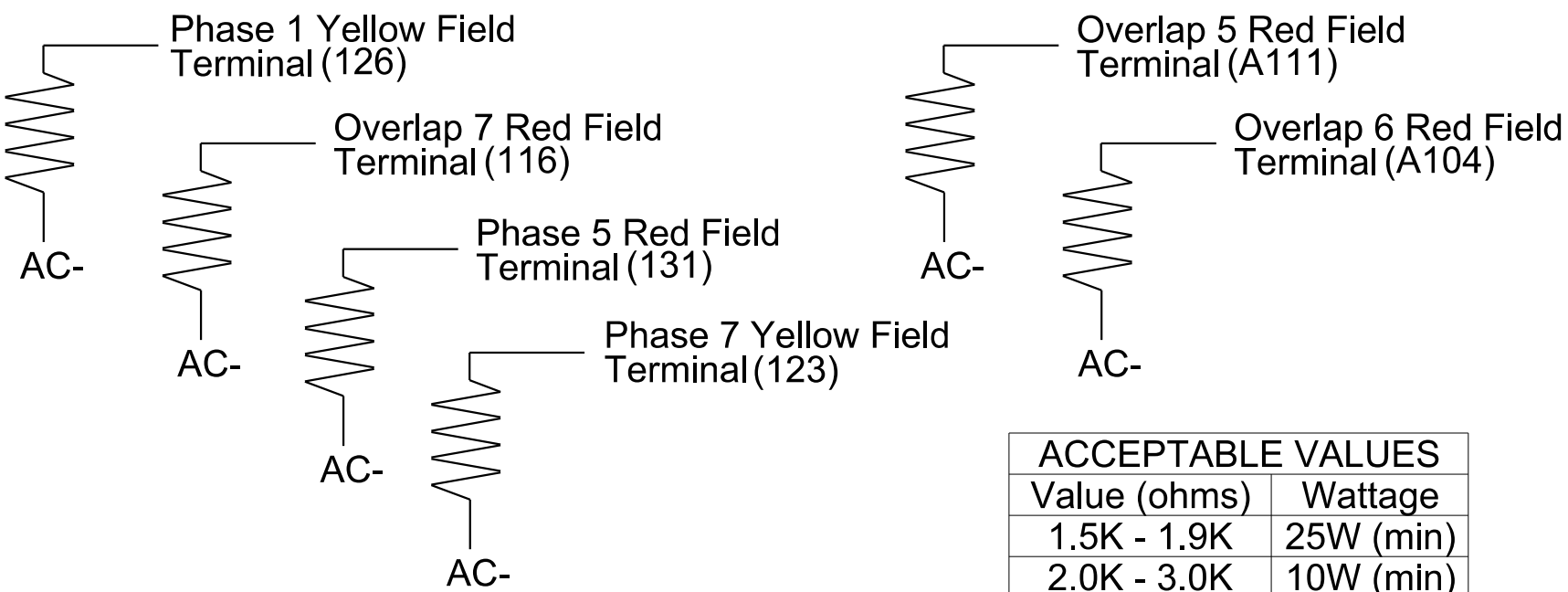
(front view)

EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME
PRE = PREEMPT

! REMOVE JUMPER FROM I1-W TO J4-W, FROM J1-W TO I4-W, FROM I5-W TO J8-W, AND FROM J5-W TO I8-W ON REAR OF INPUT FILE.

(install resistors as shown)



ACCEPTABLE VALUES	
Value (ohms)	Wattage
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)

1. To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.

2. Program phases 2, 6, and 40 for Min Veh Recall.
3. Program phases 4 and 8 for Dual Entry.
4. Program phases 9 and 39 for No Startup Veh Call.
5. Program controller to start up in phase 2 Green No Walk, 6 Green No Walk, 9 Phase Not On, 39 Phase Not On, and 40 Green No Walk.
6. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

```

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S1,S2,S4,S5,S7,S8,S10,S11,AUX S1,
AUX S2,AUX S3,AUX S4,AUX S5,AUX S6
Phases Used.....1,2,3,4,5,6,7,8,9**,39**,40**
Overlap "1".....*
Overlap "2".....*
Overlap "3".....*
Overlap "4".....*
Overlap "5".....*
Overlap "6".....*
Overlap "7".....*

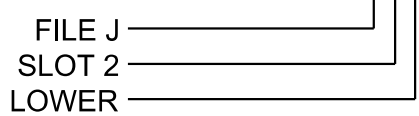
```

*See overlap programming detail on sheet 2.

**Phase used for preemption timing purposes only.

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1A	TB2-1,2	I1U	56	18 -	1 29	1 6	15.0 3.0		X X		X X	X
2A	TB2-9,10	I3U	63	29	4	2			X	X	X	
4A	TB4-9,10	I6U	41	3	8	4			X	X	X	
4B	TB4-11,12	I6L	45	7	9	4			X	X	X	
4C	TB6-1,2	I7U	65	31	10	4			X	X	X	
4D	TB6-3,4	I7L	78	44	11	4	5.0		X	X	X	
5A	TB3-1,2	J1U	55	17 -	15 31	5 2	15.0 3.0		X X	X	X	X
5B	TB3-5,6	J2U	40	2	16	5	15.0		X	X	X	
5C	TB3-7,8	J2L	44	6	17	5	10.0		X	X	X	
6A	TB3-9,10	J3U	64	30	18	6			X	X	X	
7A	TB5-5,6	J5U	57	19 -	21 32	7 4	15.0 3.0		X X	X	X	
7B	TB5-9,10	J6U	42	4	22	7	3.0		X	X	X	
7C	TB5-11,12	J6L	46	8	23	7	3.0		X	X	X	

INPUT FILE POSITION LEGEND: J2L



For zones 1B, 3A, & 8A, install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

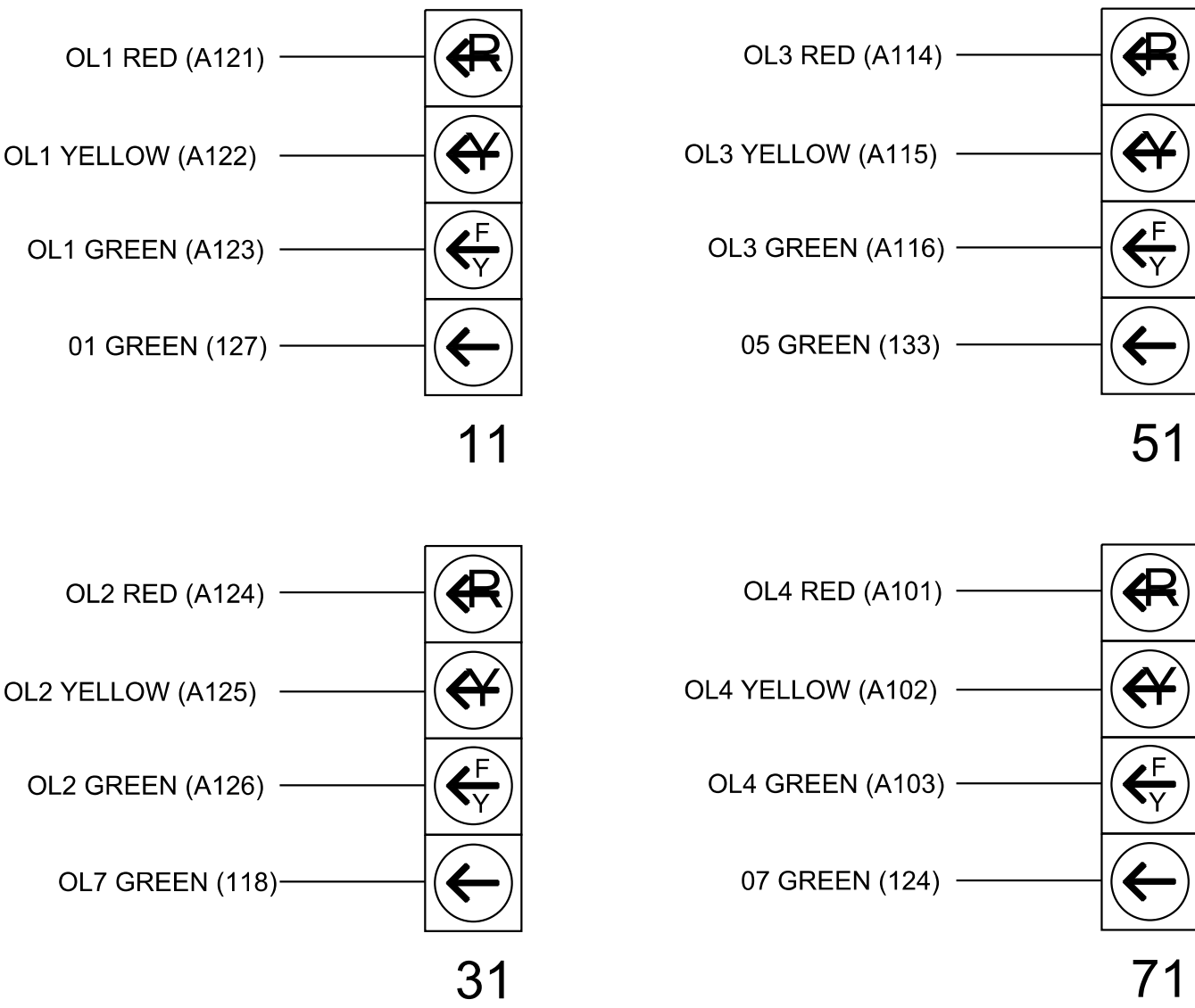
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6		
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18		
PHASE	1	2	2 PED	OL7	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	OL5	OL3	OL4	OL6		
SIGNAL HEAD NO.	11★	21,22	NU	22	31★	41,42	NU	42	51★	61,62	NU	71★	81,82	NU	11★	31★	82	51★	71★	62
RED	•	128	•	★	•	101	•	★	•	134	•	107	•	•	•	★	•	•	•	★
YELLOW	★	129	•	•	•	102	•	•	•	135	•	★	108	•	•	•	•	•	•	•
GREEN	•	130	•	•	•	103	•	•	•	136	•	•	109	•	•	•	•	•	•	•
RED ARROW	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A121	A124	•	A114	A101	•
YELLOW ARROW	•	•	•	117	•	•	•	132	•	•	•	•	•	•	A122	A125	A112	A115	A102	A105
FLASHING YELLOW ARROW	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A123	A126	•	A116	A103	•
GREEN ARROW	127	•	•	118	118	•	•	133	133	•	•	•	124	•	•	•	A113	•	•	A106

NU = Not Used

* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail this sheet.

(wire signal heads as shown)



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0567T1
DESIGNED: August 2024
SEALED: 07/14/2025
REVISED: N/A

Electrical Detail - Temporary Design 1
Sheet 1 of 3

**DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED**

EAL

NC 66/SR 2377 (W. Mountain St.)
at
NC 66 (Old Hollow Road) and
SR 2649 (Hopkins Road)

Division 9 Forsyth County Kernersvill

PLAN DATE: August 2024	REVIEWED BY: KP Baumann
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PREPARED BY: CF Davis	REVIEWED BY:
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REVISIONS	INIT.	DATE
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DocuSigned by:
Kan Banan
SDC709A86BCB447... 7/14/2025
SIGNATURE DATE
SIG. INVENTORY NO. 09-0567T1