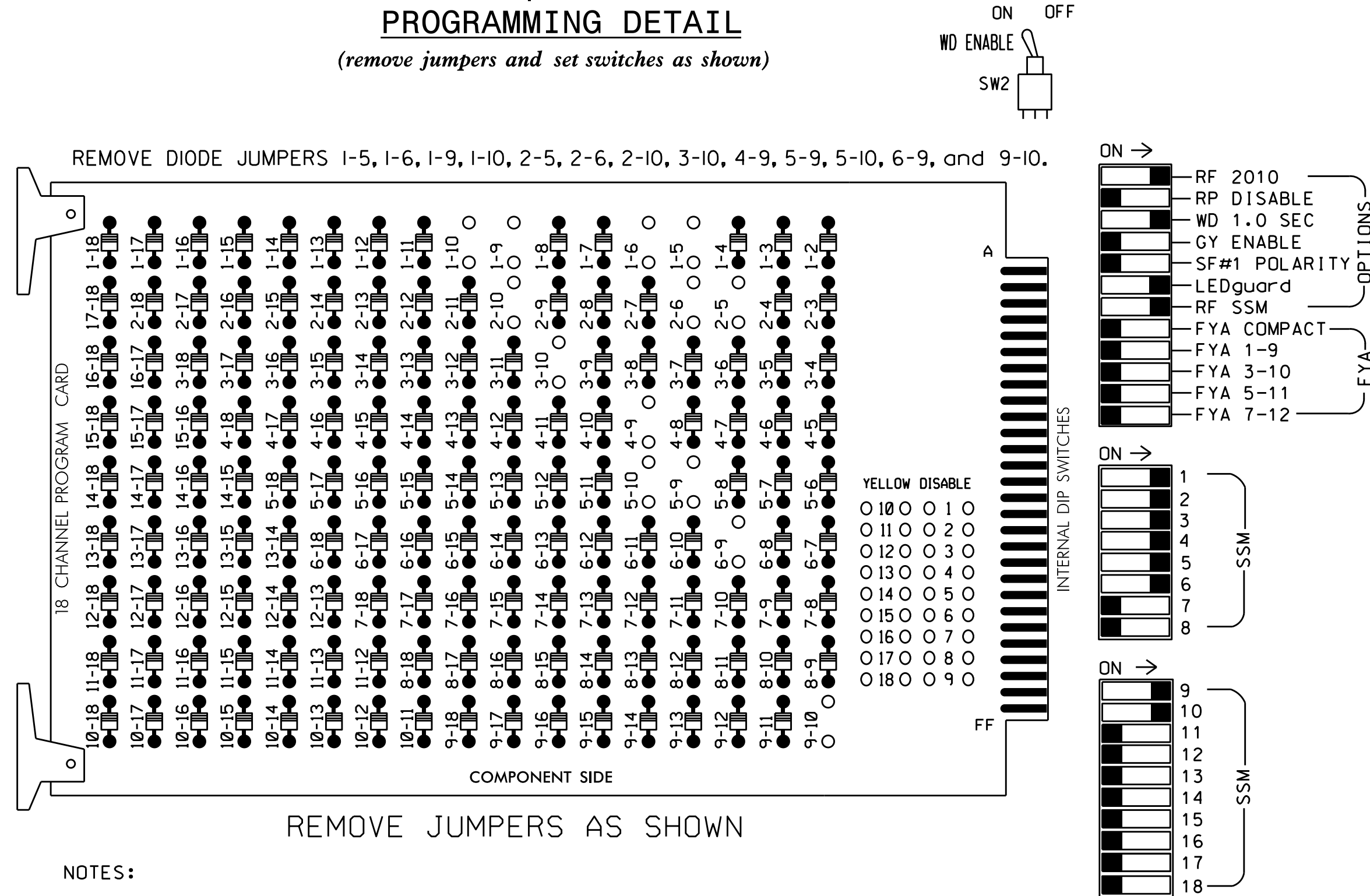


EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

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

■ = DENOTES POSITION OF SWITCH

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,
 AUX S1,AUX S2
 PHASES USED.....1,2,3,4,5,6
 OVERLAP A.....1+4
 OVERLAP B.....3+5
 OVERLAP C.....NOT USED
 OVERLAP D.....NOT USED

SIGNAL HEAD HOOK-UP CHART

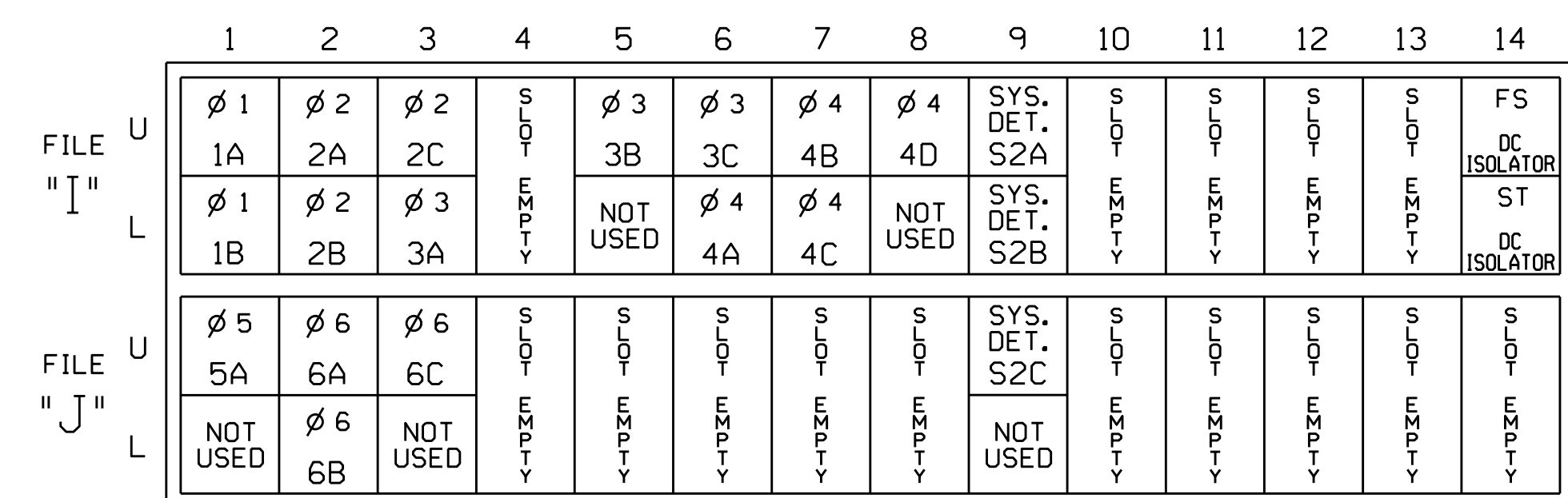
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11,12	21,22	NU	31	32,33	41	42	NU	51	61,62	63	NU	43,44	34	NU	NU	NU	NU
RED	125	128		116	116	101	101			134			A121	A124				
YELLOW		129			117	102	102			135								
GREEN		130			118	103	103			136								
RED ARROW										131								
YELLOW ARROW	126				117					132			A122	A125				
GREEN ARROW	127				118	103				133			A123	A126				

NU = Not Used

NOTE: For signal head 34 to flash concurrently with 31, 32 and 33, locate the wire that connects terminal 01-5 on the rear of the output file to terminal TA-1 on the rear of the auxiliary output file. Remove this wire from terminal 01-5 and terminate it on terminal 01-7.

INPUT FILE POSITION LAYOUT

(front view)



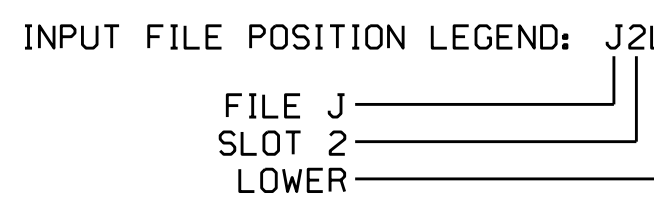
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	11U	56	1	1	YES			S
1B	TB2-3,4	11L	56	1	1	YES			S
2A	TB2-5,6	12U	39	2	2	YES			N
2B	TB2-7,8	12L	43	12	2	YES			N
2C	TB2-9,10	13U	63	32	2	YES			N
3A	TB2-11,12	13L	76	42	3	YES		3	S
3B	TB4-5,6	15U	58	3	3	YES			S
3C	TB4-9,10	16U	41	4	3	YES		15	S
4A	TB4-11,12	16L	45	14	4	YES			S
4B	TB6-1,2	17U	65	34	4	YES			S
4C	TB6-3,4	17L	78	44	4	YES			S
4D	TB6-5,6	18U	49	24	4	YES			S
5A	TB3-1,2	11U	55	5	5	YES			S
6A	TB3-5,6	12U	40	6	6	YES			N
6B	TB3-7,8	12L	44	16	6	YES			N
6C	TB3-9,10	13U	64	36	6	YES			N
*S2A	TB6-9,10	19U	60	11	SYS	NO			N
*S2B	TB6-11,12	19L	62	13	SYS	NO			N
*S2C	TB7-9,10	19U	59	15	SYS	NO			N

* System detector only. Remove any assigned vehicle phase.

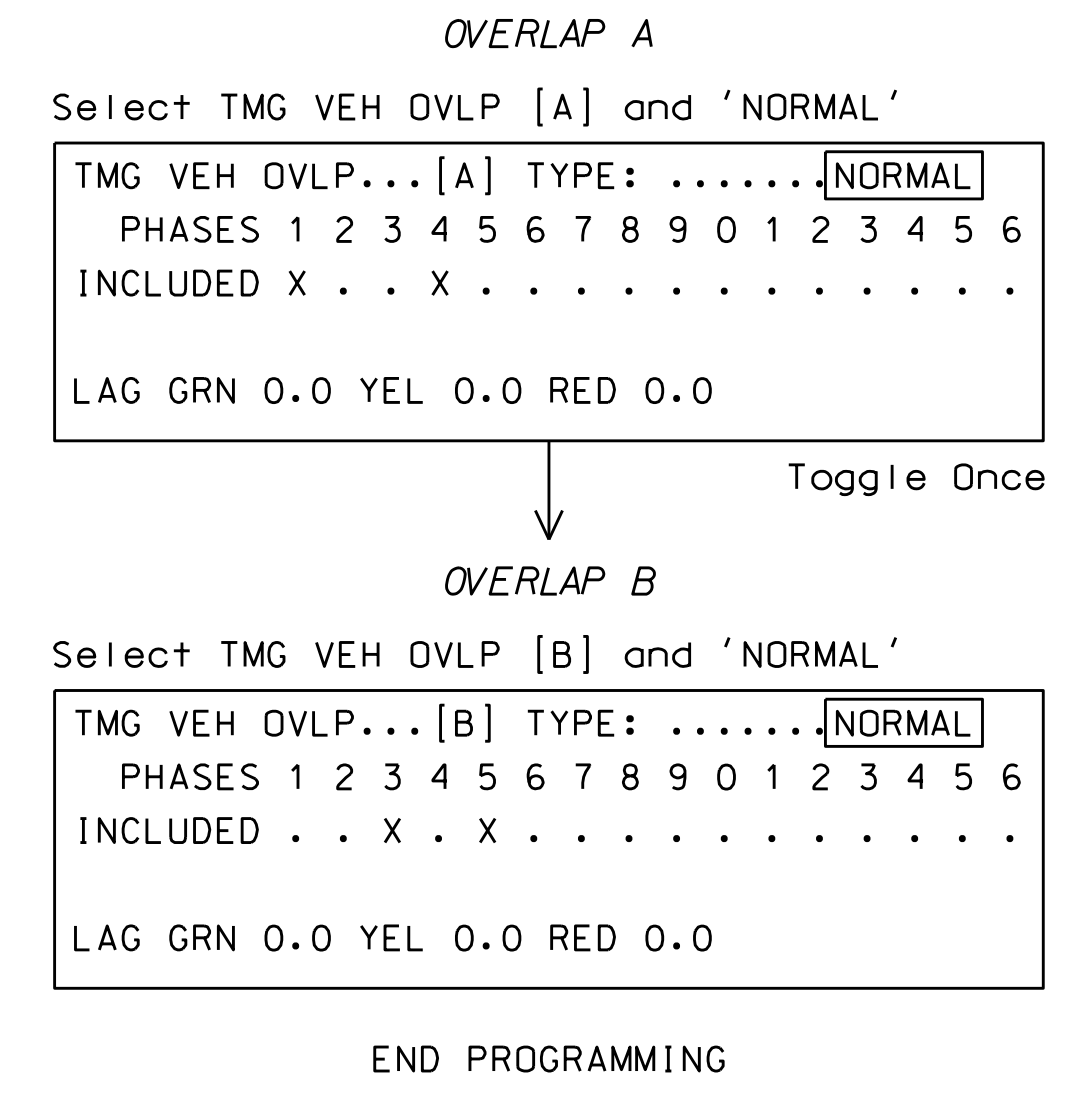


THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0236
 DESIGNED: September 2015
 SEALED: 3/14/2016
 REVISED: N/A

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
- From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**



END PROGRAMMING

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:
 Transportation Mobility and Safety Solutions
 Signal Management System
 750 N. Greenfield Pkwy, Garner, NC 27529

NC 24-87 (Bragg Blvd) at Sycamore Dairy Rd/Carol St

Division 6 Cumberland County Fayetteville

PLAN DATE: March 2016 REVIEWED BY: T. Joyce

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS: _____ INIT. DATE

Seal: Keith M. Minns, Professional Engineer, No. 036880

DocuSigned by: Keith M. Minns 3/17/2016

SIG. INVENTORY NO. 06-0236

16-MAR-2016 11:53
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