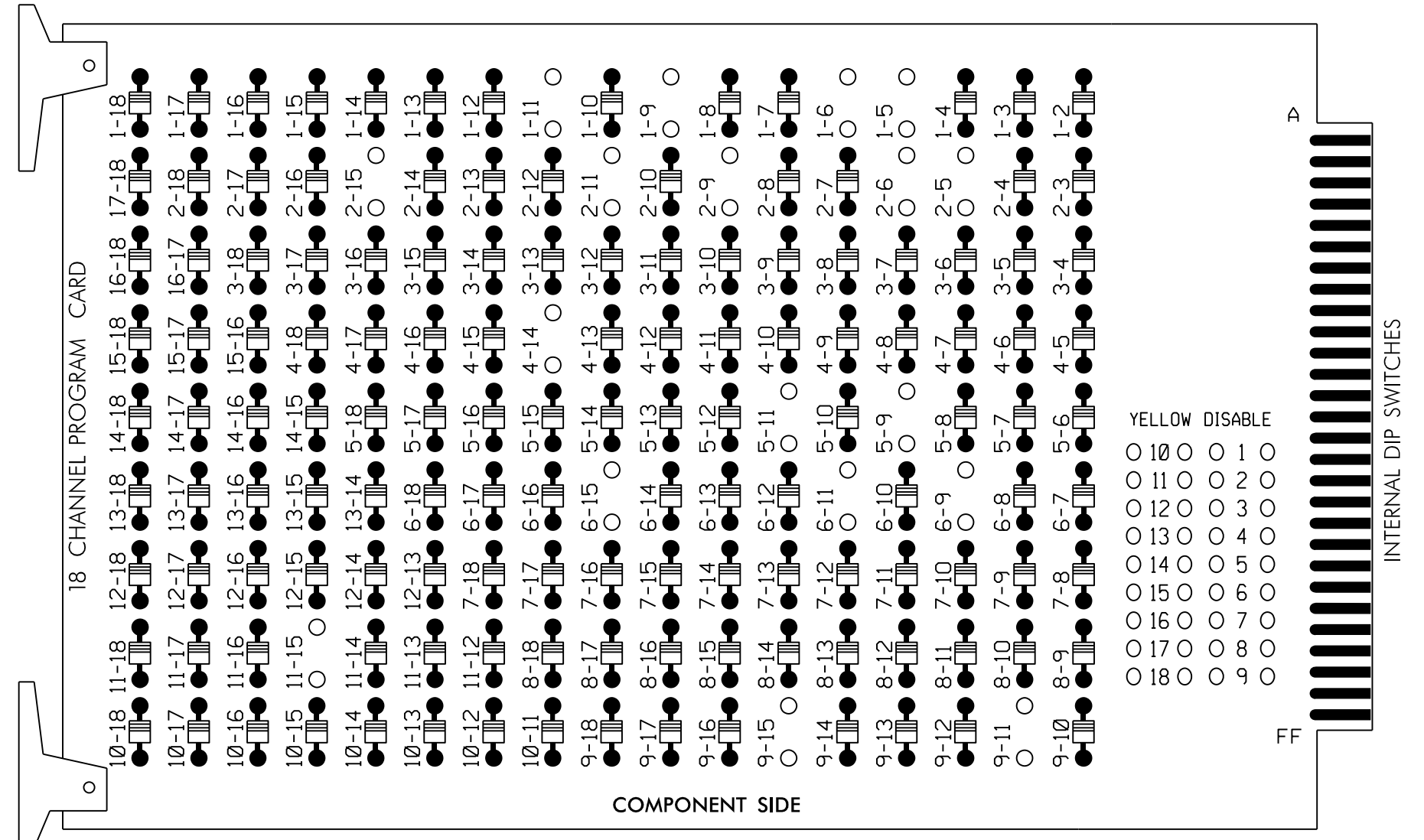


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

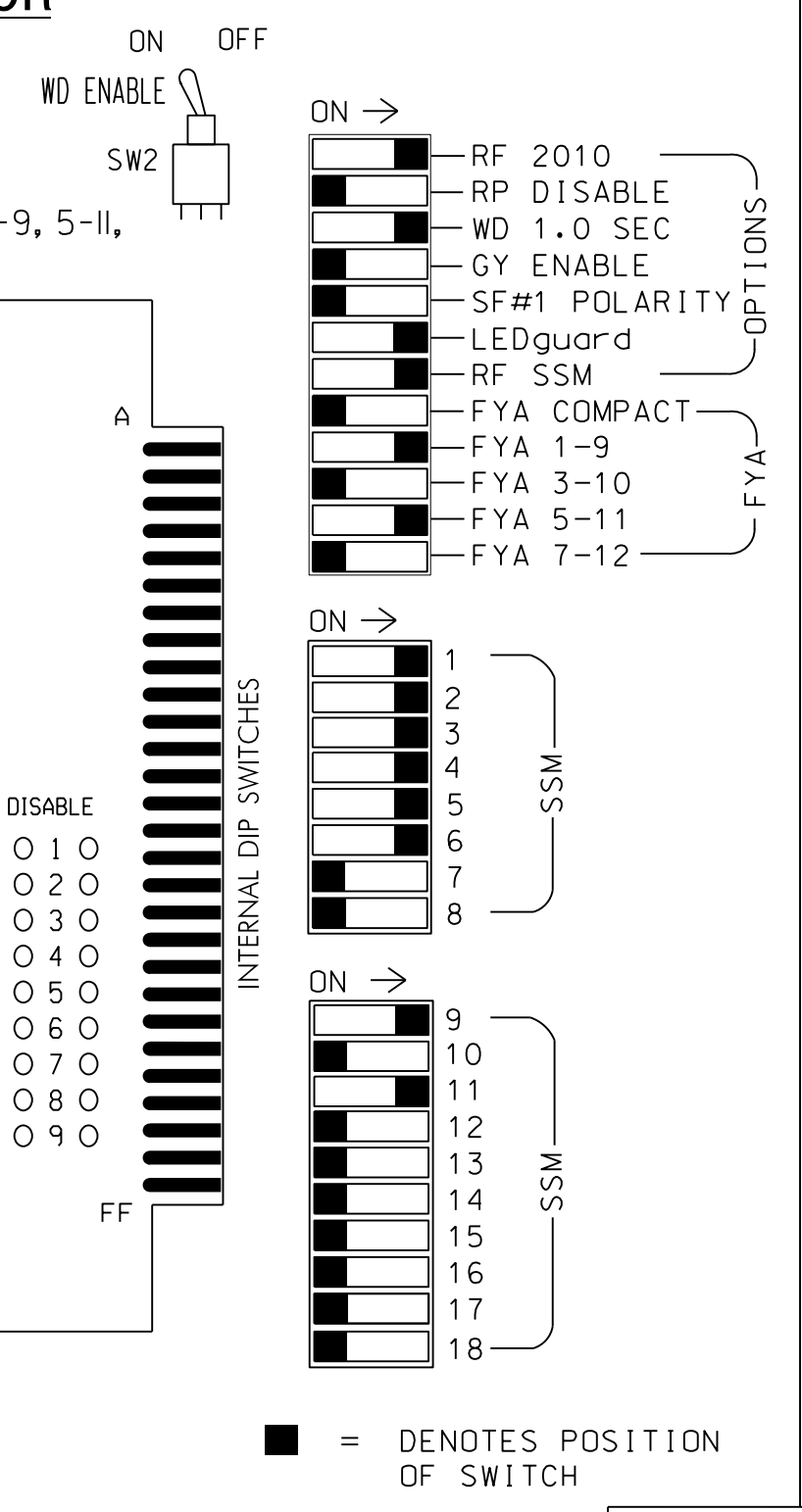
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 1-15, 2-5, 2-6, 2-9, 2-11, 2-15, 4-14, 5-9, 5-11, 6-9, 6-11, 6-15, 9-11, 9-15, and 11-15.



REMOVE JUMPERS 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.



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.
- Program controller to start up in phase 2 Green and 6 WALK.
- The cabinet and controller are part of the Fayetteville Signal System.

SIGNAL HEAD HOOK-UP CHART

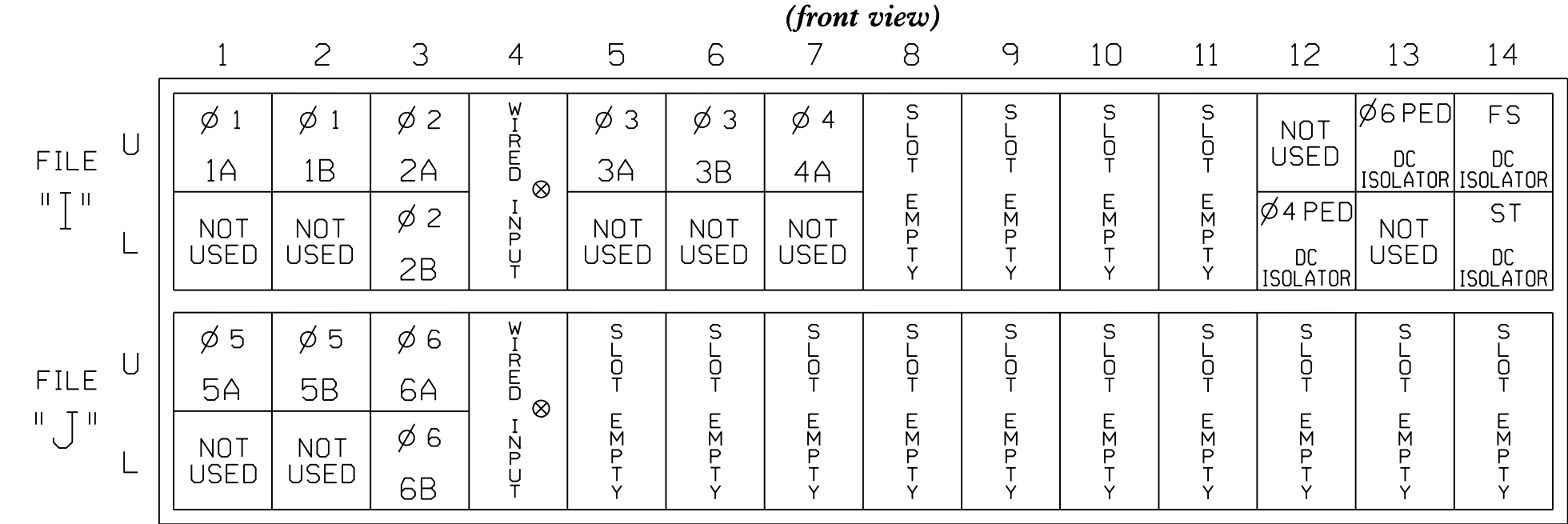
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6							
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18							
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE							
SIGNAL HEAD NO.	11★	42	21,22	NU	31	32	33	62	41	42	22	P41, P42	51★	33	61,62	P61, P62	NU	NU	NU	11★	NU	NU	51★	NU	NU
RED	*	128			116	116			101	101			*	134											
YELLOW		129			117	117			102	102				135											
GREEN		130			118	118			103	103				136											
RED ARROW					116																			A121	A114
YELLOW ARROW	126				117				102					132										A122	A115
FLASHING YELLOW ARROW																								A123	A116
GREEN ARROW	127	127			118	118			103	103				133	133										
Hand														104											
Person														106											

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 ★ See pictorial of head wiring in detail this sheet.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 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,S6,S7,S8,S9
 AUX S1,AUX S4
 PHASES USED.....1,2,3,4,4PED,5,6,6PED
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * See overlap programming detail on sheet 2

INPUT FILE POSITION LAYOUT

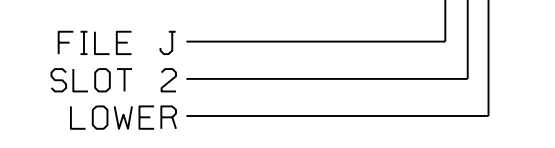


EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ⊗ Wired Input - Do not populate slot with detector card
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A ¹	TB2-1,2	I1U	56	1★	1	YES		15		S
	-	J4U	48	26★	6	YES		3		G
1B	TB2-5,6	I2U	39	2	1	YES		15		S
2A	TB2-9,10	I3U	63	32	2	YES			X	N
2B	TB2-11,12	I3L	76	42	2	YES			X	N
3A	TB4-5,6	I5U	58	3	3	YES		3		S
3B	TB4-9,10	I6U	41	4	3	YES				S
4A	TB6-1,2	I7U	65	34	4	YES		3		S
5A ²	TB3-1,2	J1U	55	5★	5	YES		15		S
	-	I4U	47	22★	2	YES		3		G
5B	TB3-5,6	J2U	40	6	5	YES		15		S
6A	TB3-7,8	J3U	64	6	6	YES			X	N
6B	TB3-9,10	J3L	77	16	6	YES			X	N
PED PUSH BUTTONS										
P41,P42	TB8-5,6	I12L	69	PED 4	4 PED					
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED					

INPUT FILE POSITION LEGEND: J2L

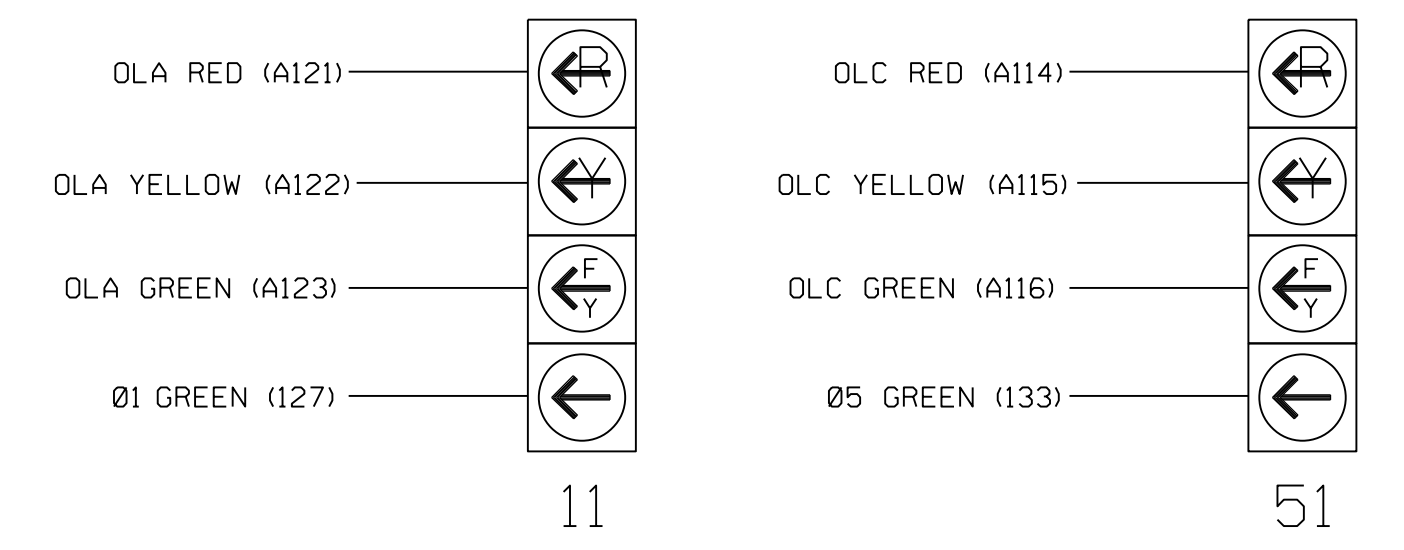


¹Add jumper from I1-W to J4-W, on rear of input file.
²Add jumper from J1-W to I4-W, on rear of input file.
 * See Vehicle Detector Setup Programming Detail for alternate phasing on Sheet 3.

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.

FYA SIGNAL WIRING DETAIL

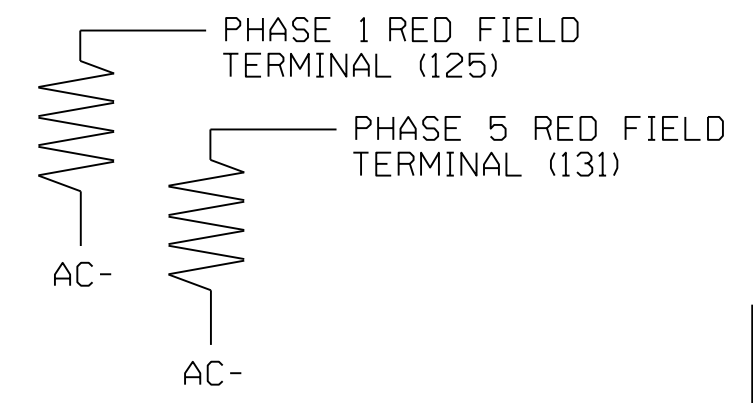
(wire signal heads as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0845
 DESIGNED: July 2021
 SEALED: 7/9/2021
 REVISED: N/A

THIS PLAN SUPERSEDES THE PLAN SIGNED AND SEALED ON 06/05/2019

Final Design
Electrical Detail - Sheet 1 of 3

US 401 (South Raeford Road)
 at
 SR 3569 (Raeford Rd-
 Old US 401)/Bentridge Ln.
 Division 6 Cumberland County Fayetteville

PLAN DATE: July 2021 REVIEWED BY: L Overn
 PREPARED BY: R M Muncey REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 43239
 REGINA M. MUNCEY
 7/9/2021
 STATE OF NORTH CAROLINA
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

06-0845-03.dgn U:\Projects\06-0845\Sigs\06-0845-03.dgn U:\Projects\06-0845\Sigs\06-0845-03.dgn U:\Projects\06-0845\Sigs\06-0845-03.dgn User: jhambri