

WEST

EAST

START 440'
30 SECS. @ 10 MPH

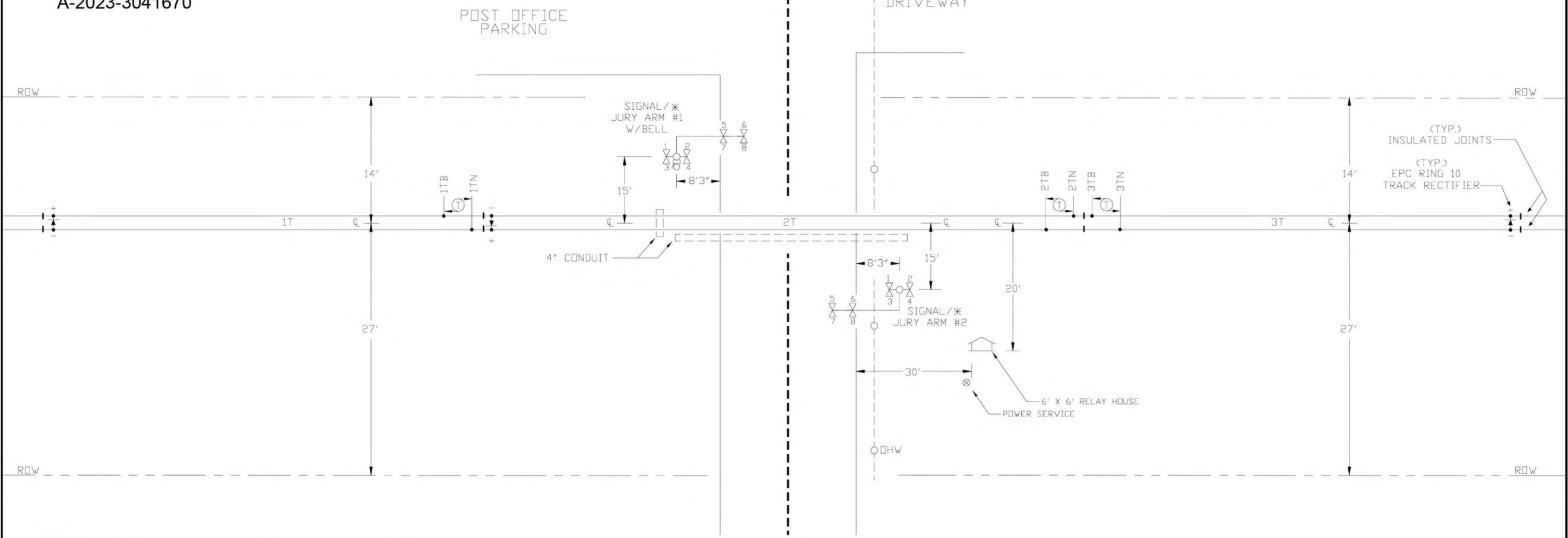
START 440'
30 SECS. @ 10 MPH

CERTIFIED CORRECT PLANS

Chadler B. [Signature]
Professional Engineer
Approved by Bureau of Technical Utility Services
PA PUBLIC UTILITY COMMISSION

ATTEST *Matthew L. [Signature]*
Secretary

A-2023-3041670



NOTES:

1. MATERIAL & INSTALLATION TO BE IN ACCORDANCE WITH MUTCD, STATE AND RAILROAD STANDARDS.
2. ALL DIMENSIONS ARE APPROXIMATE AND MAY VARY DUE TO ACTUAL FIELD CONDITIONS.
3. ALL FLASHING LIGHT SIGNALS TO BE LIGHT EMITTING DIODE (LED)
4. (T) DENOTES TWIST PAIR.

- FIELD TO VERIFY ALL MEASUREMENTS
* - GATE READY

CABLE RUN TABULATION

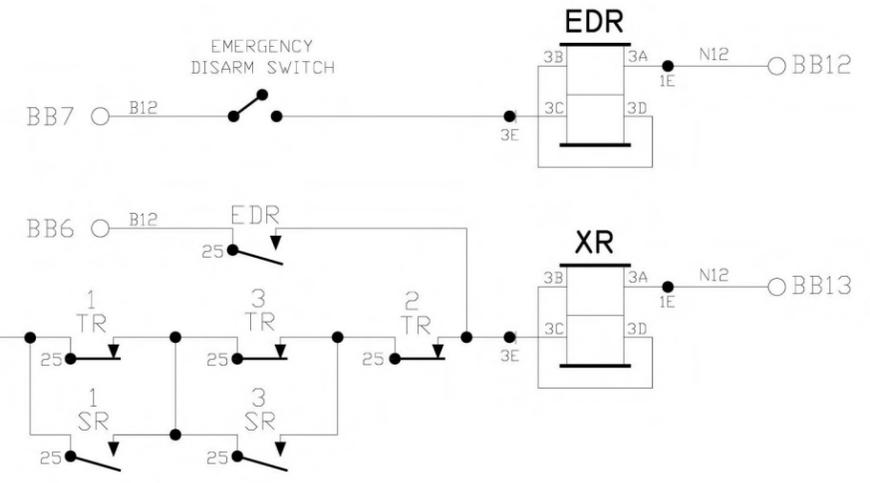
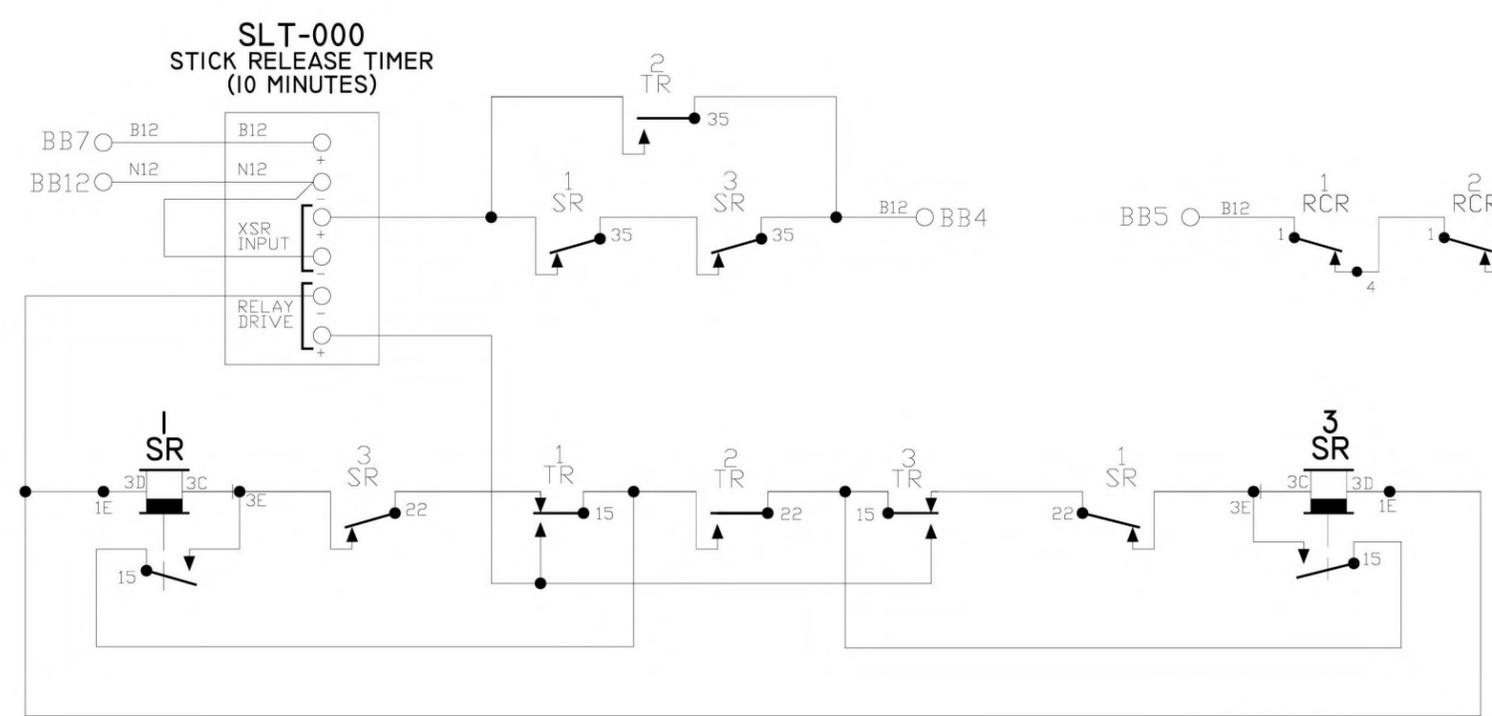
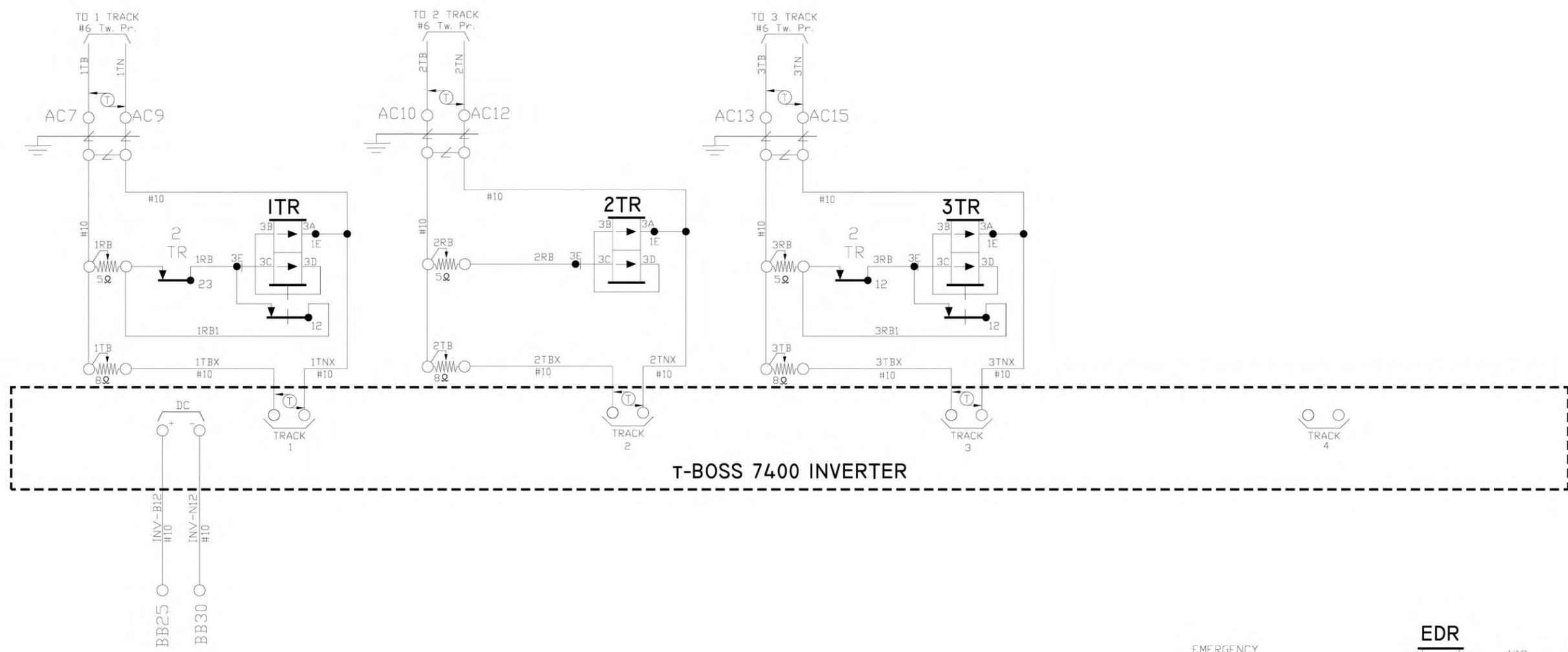
HOUSE TO SIGNAL #1 (GATE READY)	- 5/C #6 UG CABLE
HOUSE TO SIGNAL #2 (GATE READY)	- 7/C #14 UG CABLE
HOUSE TO AC SERVICE	- 5/C #6 UG CABLE
HOUSE TO 1TN & 1TB	- 7/C #14 UG CABLE
HOUSE TO 2TN & 2TB	- 3/C #9 UG CABLE
HOUSE TO 3TN & 3TB	- 2/C #6 TW. PAIR UG CABLE
	- 2/C #6 TW. PAIR UG CABLE
	- 2/C #6 TW. PAIR UG CABLE

Exhibit C
Page 1 of 6

SHEET 1 OF 6

AS WIRED XX/XX/XXXX AS INSTALLED XX/XX/XXXX

DIAMONDBACK SIGNAL	EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES	
	SCALE: NONE	APPROVED BY:
(410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784	DATE: 6/7/2023	DRAWN BY: NST REVISED:
CENTER STREET - DOT # 517 668X MP. 35.98 TOUGHKENAMON, CHESTER COUNTY, PA		DRAWING NUMBER
TRACK & CABLE PLAN		

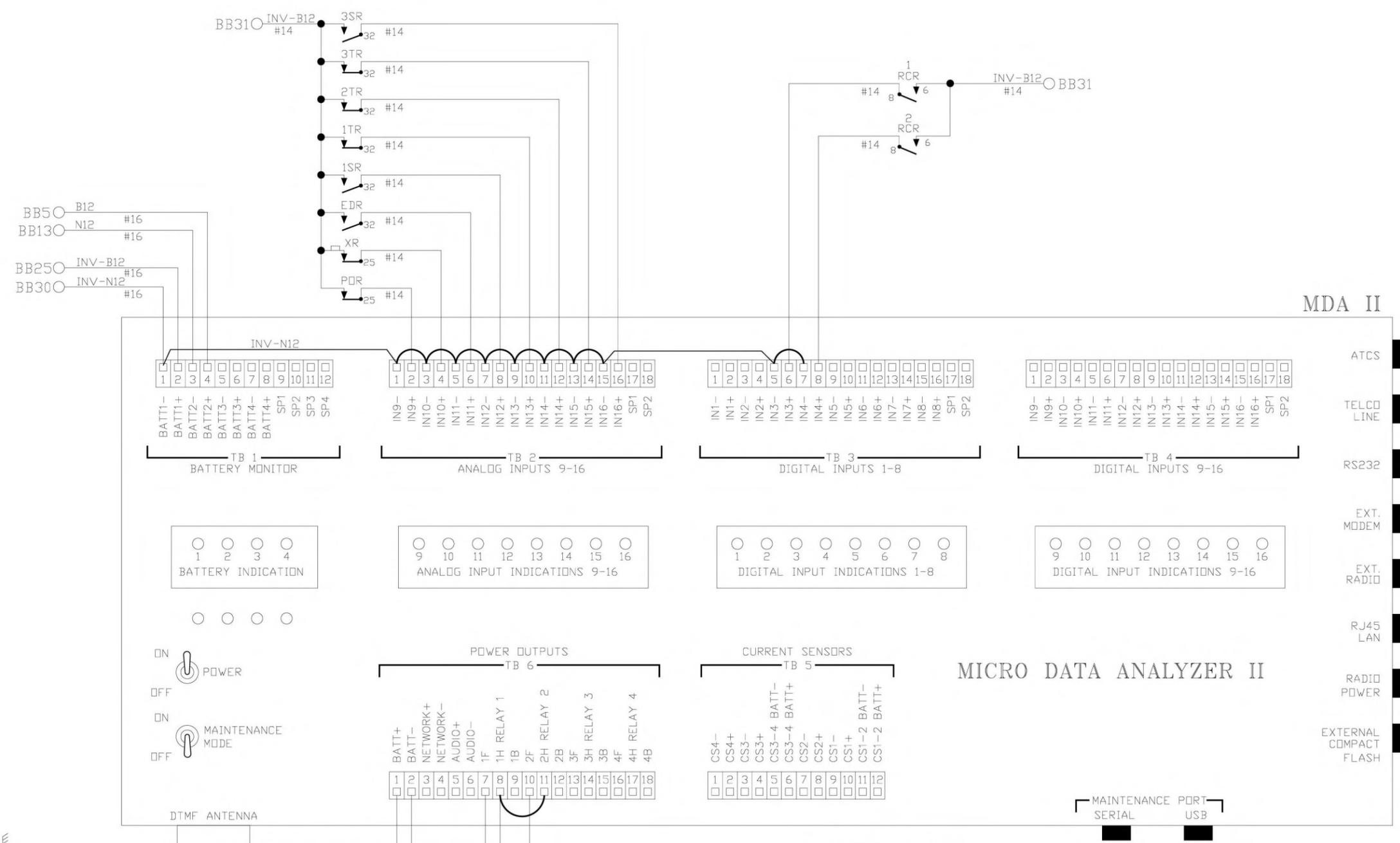


- NOTES:
1. ALL WIRE THIS SHEET IS #14 AWG FLEX UNLESS OTHERWISE NOTED.
 2. $\text{\textcircled{T}}$ DENOTES TWISTED PAIR.

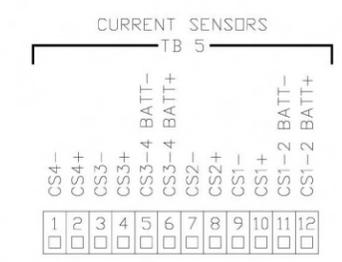
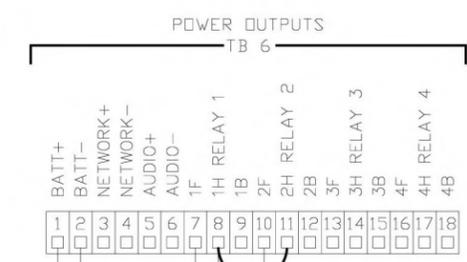
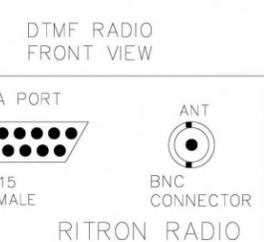
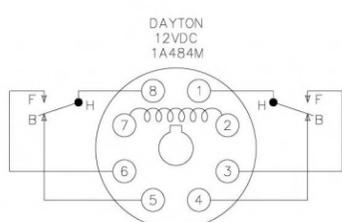
11TH

Exhibit C
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DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784	AS WIRED XX/XX/XXXX		AS INSTALLED XX/XX/XXXX	
	EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES			
	SCALE: NONE	APPROVED BY:	DRAWN BY: NST	
DATE: 6/7/2023		REVISED:		
CENTER STREET - DOT # 517 668X MP. 35.98 TOUGHKENAMON, CHESTER COUNTY, PA				DRAWING NUMBER
CIRCUIT PLAN "A"				



ROOF MOUNT
VHF ANTENNA

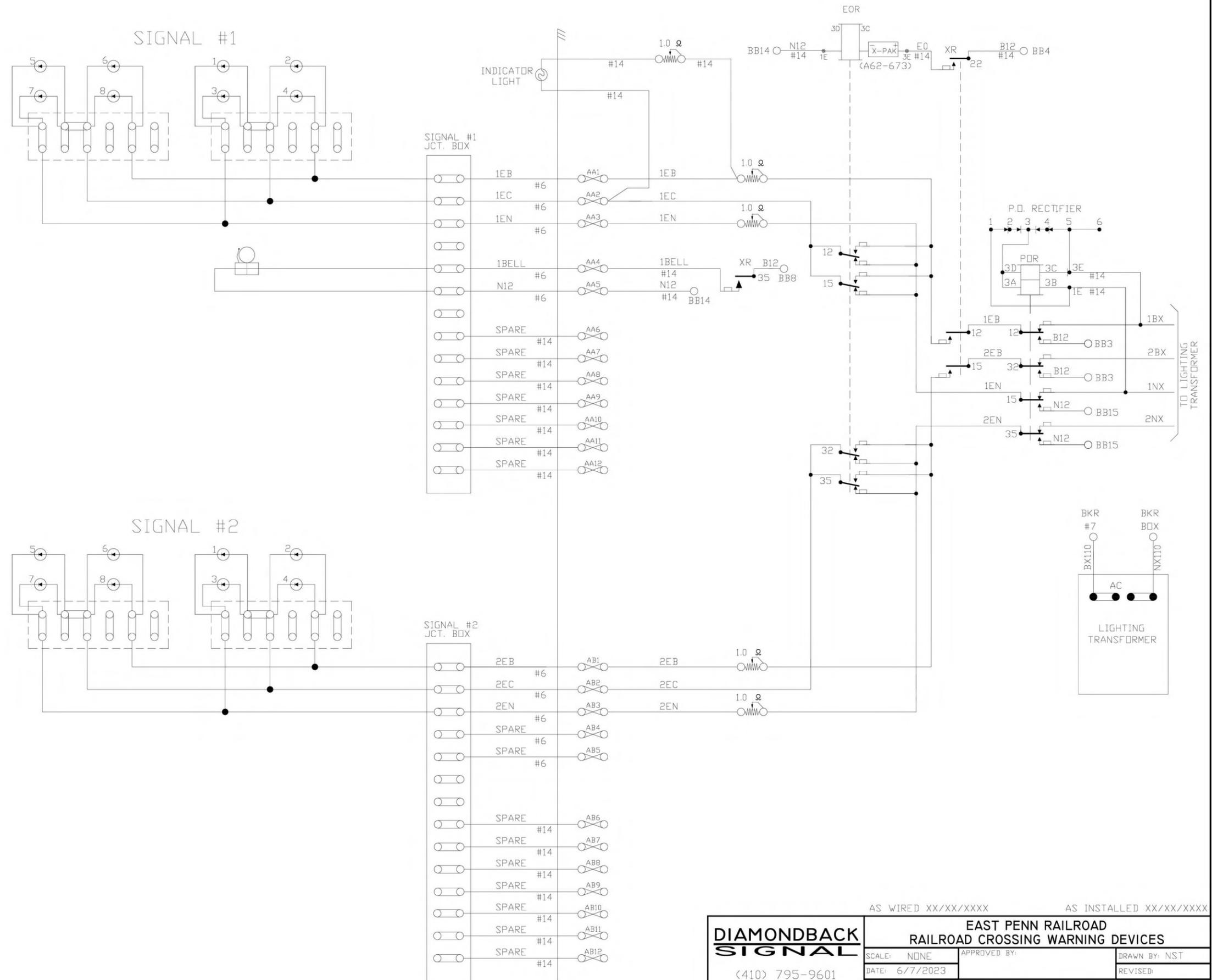


DTMF CODE	FUNCTION
668*	ACTIVATE RELAY 1 WITH NO TIMER
668#	DEACTIVATE RELAY 1
1668*	ACTIVATE RELAY 2 WITH TIMER
1668#	DEACTIVATE RELAY 2

NOTES:
1. ALL WIRE THIS SHEET #10 UNLESS OTHERWISE NOTED.
2. DENOTES TWISTED PAIR.

AS WIRED XX/XX/XXXX AS INSTALLED XX/XX/XXXX

DIAMONDBACK SIGNAL		EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES	
		SCALE: NONE	APPROVED BY:
(410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784		DATE: 6/7/2023	DRAWN BY: NST
		CENTER STREET - DOT # 517 668X MP. 35.98 TOUGHKENAMON, CHESTER COUNTY, PA	
CIRCUIT PLAN "B"		DRAWING NUMBER	

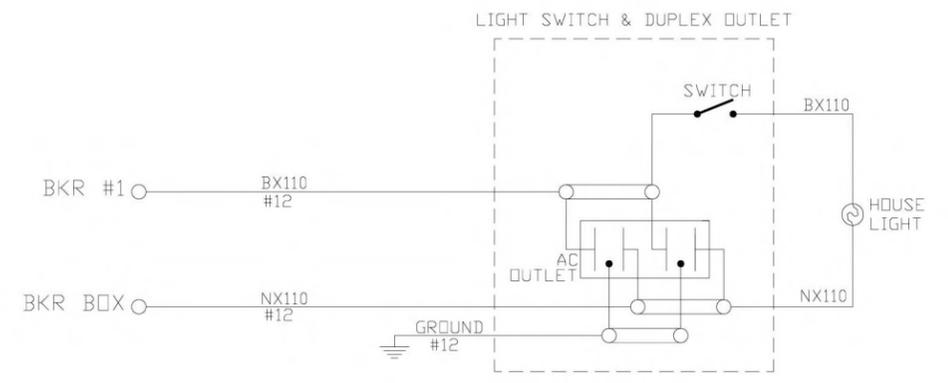
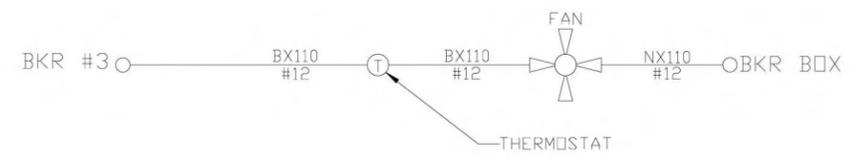
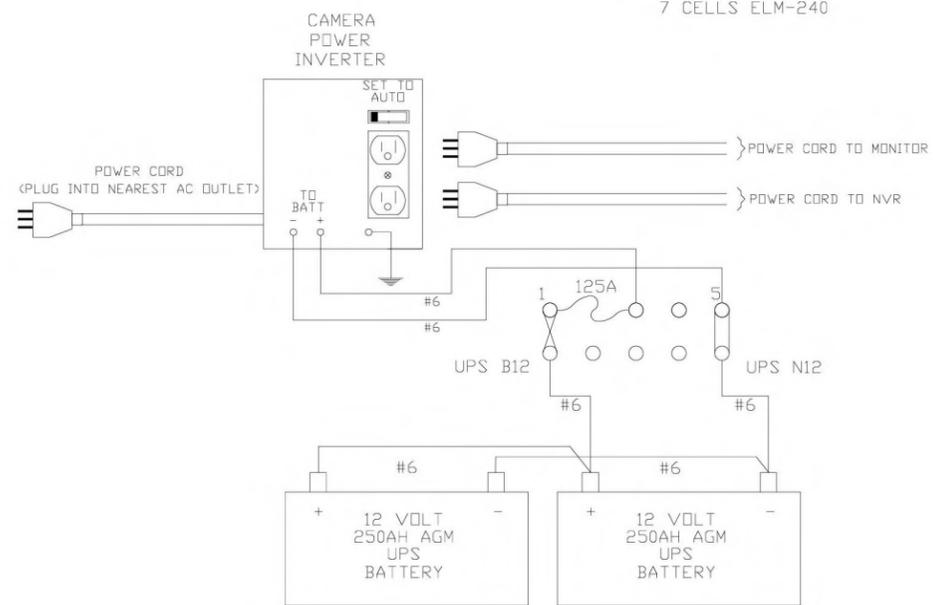
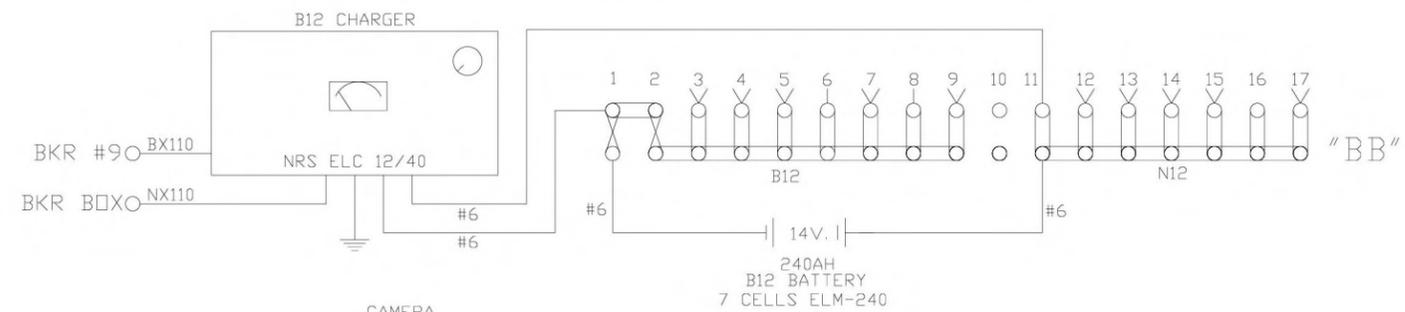
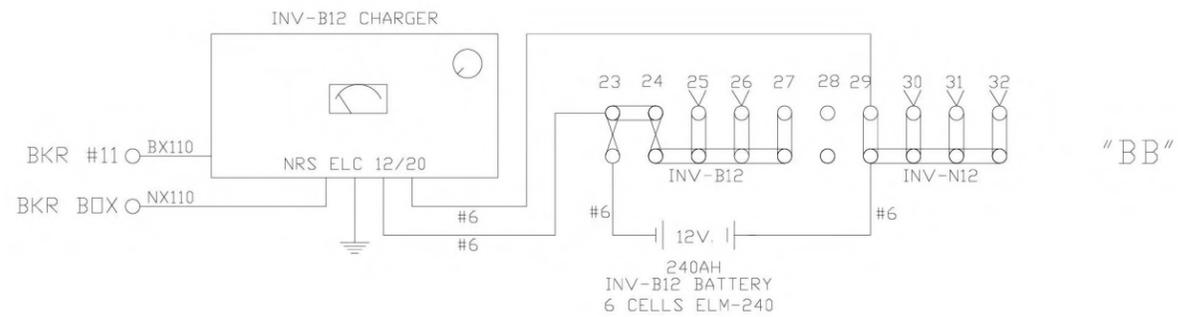


- NOTES:
1. ALL WIRE THIS SHEET IS #10 AWG. FLEX UNLESS OTHERWISE NOTED.
 2. FLASHER RELAY W/X-PAK (A62-673)

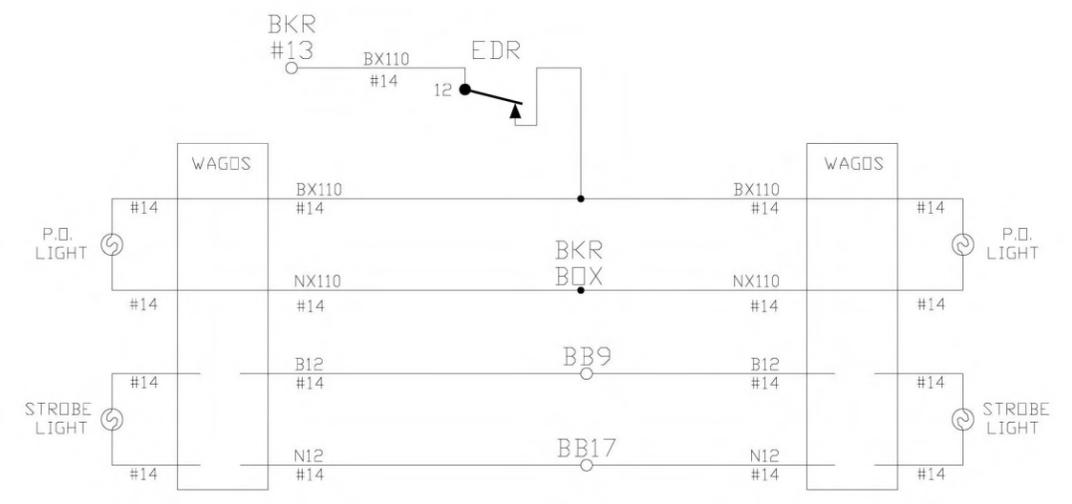
Exhibit C
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SHEET 4 OF 6

DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784	AS WIRED XX/XX/XXXX		AS INSTALLED XX/XX/XXXX	
	EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES			
	SCALE: NONE	APPROVED BY:	DRAWN BY: NST	
	DATE: 6/7/2023	REVISOR:	REVISED:	
CENTER STREET - DOT # 517 668X MP. 35.98 TOUGHKENAMON, CHESTER COUNTY, PA			DRAWING NUMBER	
CIRCUIT PLAN "C"				

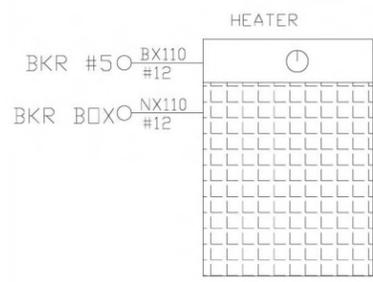
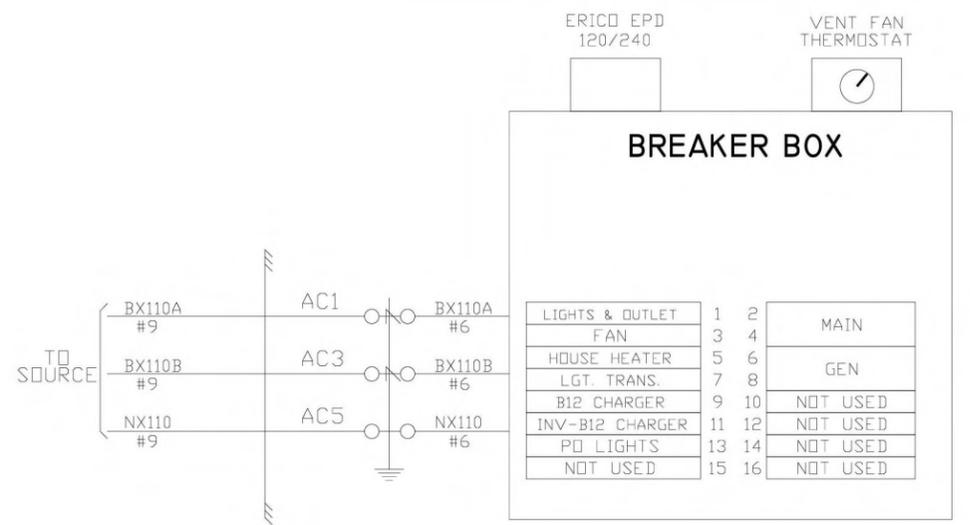


"CB"



NOTE:
ALL WIRE THIS SHEET IS #10 AWG FLEX
UNLESS OTHERWISE NOTED.

AS WIRED XX/XX/XXXX AS INSTALLED XX/XX/XXXX



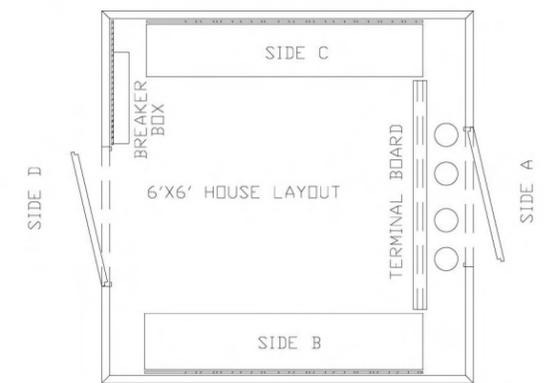
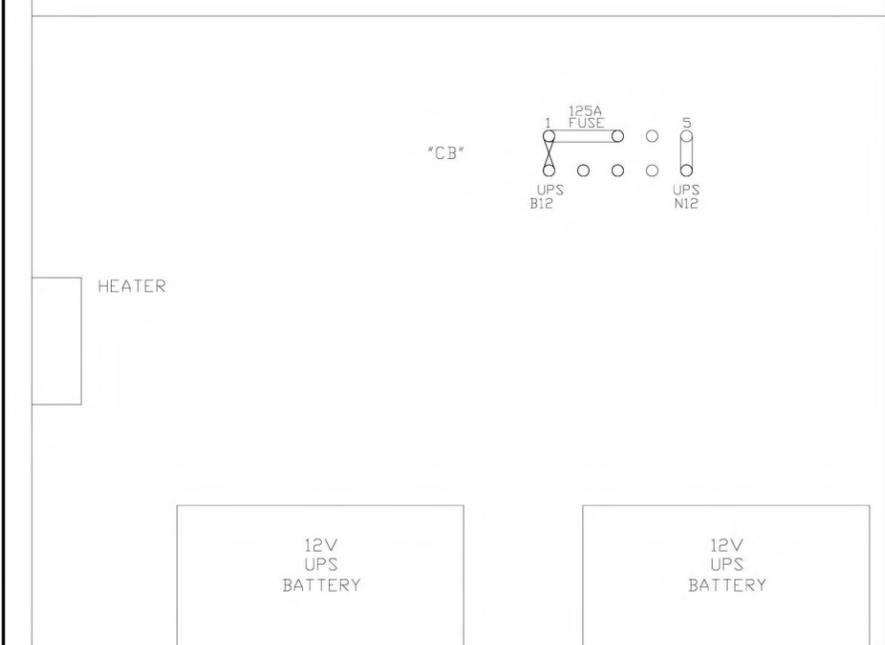
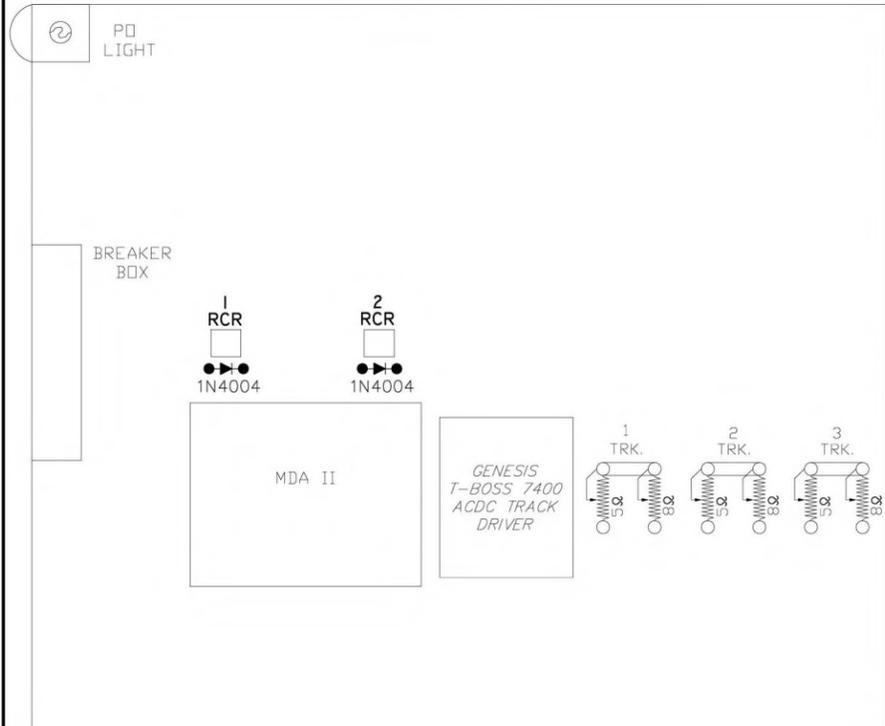
LIGHTS & OUTLET	1	2	
FAN	3	4	MAIN
HOUSE HEATER	5	6	
LGT. TRANS.	7	8	GEN
B12 CHARGER	9	10	NOT USED
INV-B12 CHARGER	11	12	NOT USED
P.O. LIGHTS	13	14	NOT USED
NOT USED	15	16	NOT USED

Exhibit C
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SHEET 5 OF 6

DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784	EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES	
	SCALE: NONE DATE: 6/7/2023	APPROVED BY:
CENTER STREET - DOT # 517 668X MP. 35.98 TOUGHKENAMON, CHESTER COUNTY, PA		DRAWING NUMBER
CIRCUIT PLAN "D"		

SIDE "C"

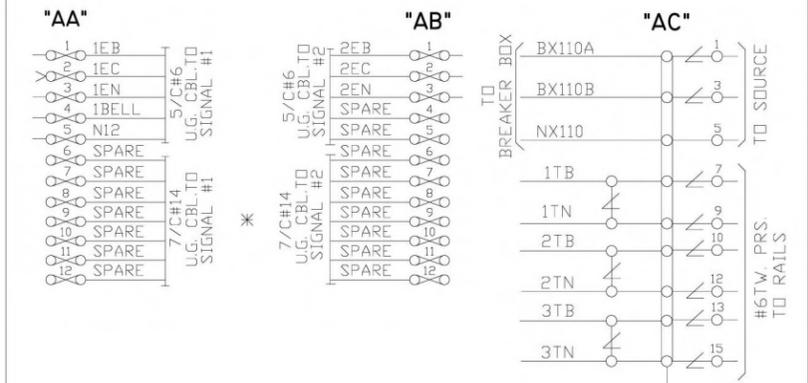
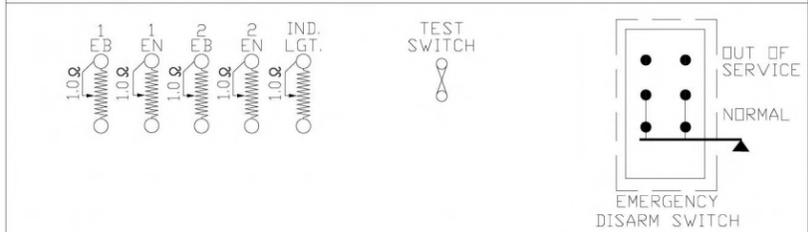


SIDE "A"

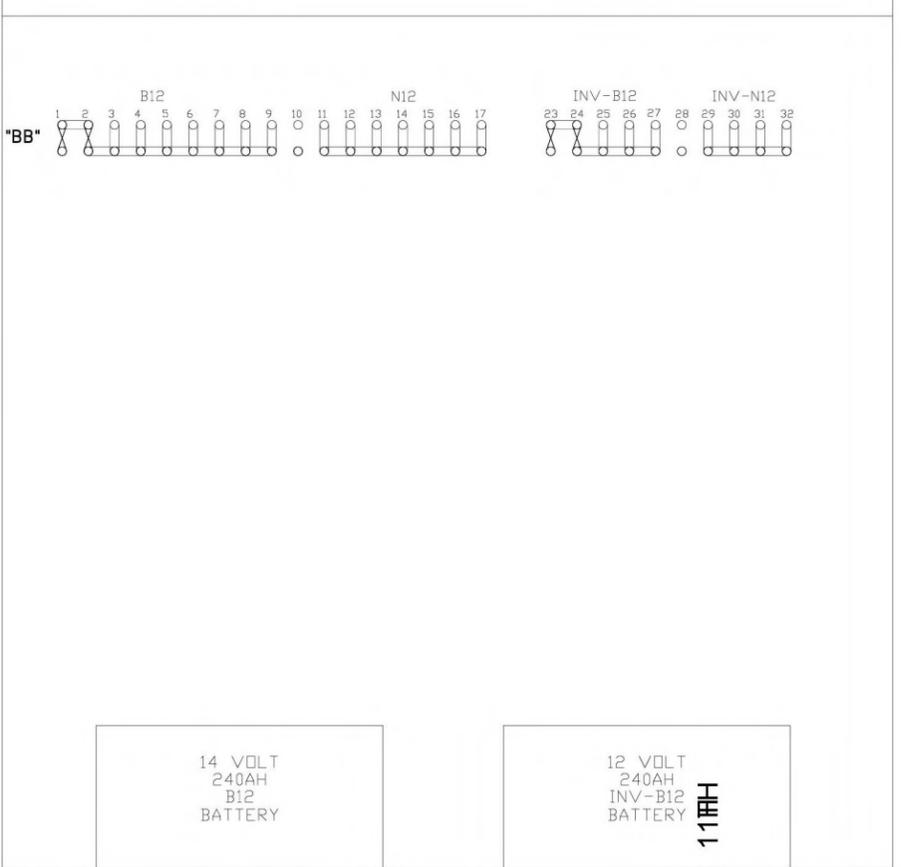
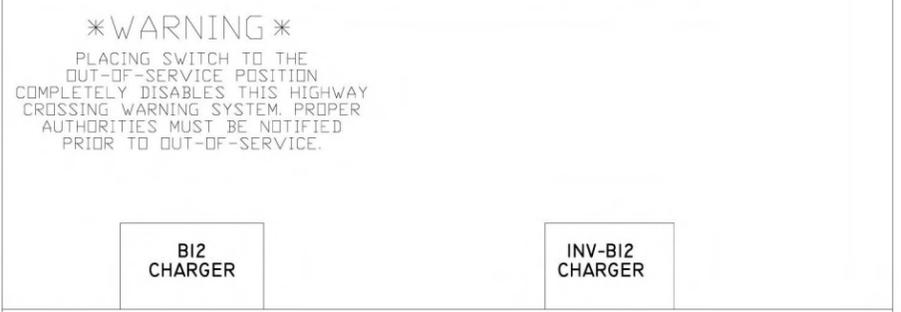
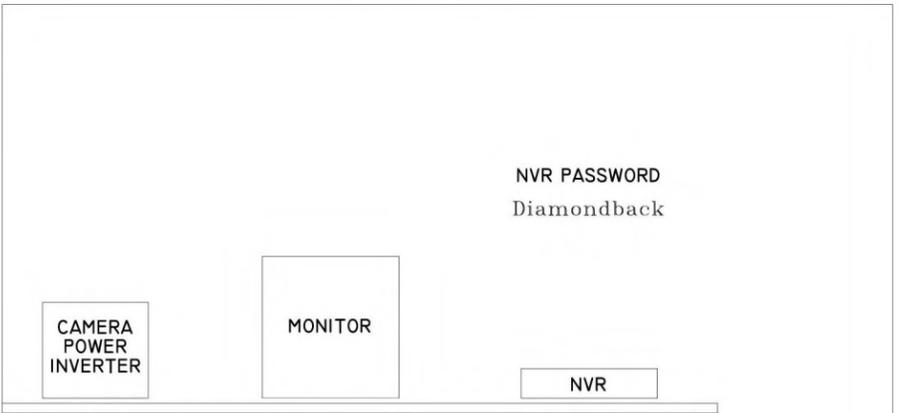
PD LIGHT

LIGHT TRANS.	POR		EOR		GPXR		XR		XGPR		EDR	
	12	15	12	15	12	15	12	15	12	15	12	15
	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB
	22	32	22	32	22	32	22	32	22	32	22	32
	F	FB	F	FB	F	FB	F	FB	F	FB	F	FB
	25	35	25	35	25	35	25	35	25	35	25	35
	F	FB	F	FB	F	FB	F	FB	F	FB	F	FB
	32	35	32	35	32	35	32	35	32	35	32	35
	F	FB	F	FB	F	FB	F	FB	F	FB	F	FB
	35	35	35	35	35	35	35	35	35	35	35	35
	F	FB	F	FB	F	FB	F	FB	F	FB	F	FB
	A62-406	A62-673	A62-310	A62-310	A62-360	A62-262						

1 SR	1 TR	2 TR	3 TR	3 SR	SLT-000 STICK RELEASE TIMER (10 MIN)
12	12	12	12	12	F
15	F	15	15	15	FB
22	B	22	22	22	B
23	23	23	23	23	F
25	F	25	25	25	F
32	F	32	32	32	F
35	B	35	35	35	B
A62-357	A62-120	A62-120	A62-120	A62-357	



SIDE "B"



* - GATE READY

AS WIRED XX/XX/XXXX AS INSTALLED XX/XX/XXXX

DIAMONDBACK SIGNAL		EAST PENN RAILROAD RAILROAD CROSSING WARNING DEVICES	
SCALE: NONE	APPROVED BY:	DRAWN BY: NST	
DATE: 6/7/2023		REVISED:	
CENTER STREET - DOT # 517 668X MP. 35.98 TOUGHKENAMON, CHESTER COUNTY, PA		DRAWING NUMBER	
RELAY HOUSE LAYOUT			

(410) 795-9601
 5965 EXCHANGE DRIVE
 SUITE "D"
 SYKESVILLE, MD 21784