

PA PUBLIC UTILITY COMMISSION
 APR 20 2013
 BUREAU OF TRANSPORTATION SAFETY
 RAIL SAFETY DIVISION

ALL NEW WORK.
 INSTALL AND CHECK
 AS A WHOLE

REVISIONS

1 APRIL 15, 2013 JMB
 NEW CROSSING WARNING SYSTEM DESIGN
 FOR MERMON AVENUE CROSSING.
 DOT • 361-486A
 PUC DOCKET • C-2012-2291457
 IN SERVICE:
 PER:

	INDEX	REVISIONS													
		1	2	3	4	5	6	7	8	9	10				
1	TITLE, INDEX & REVISIONS	✓													
2	LOCATION PLAN	✓													
3	POWER DISTRIBUTION	✓													
4	TRAIN DETECTION CIRCUITS	✓													
5	GCP 3000 PARAMETERS	✓													
6	FLASHING LIGHT CIRCUITS	✓													
7	GATE CONTROL CIRCUITS														
8	BUNGALOW LAYOUT														
9															
10															
11															
12															
13															
14															
15															

RECEIVED

2013 MAY 17 PM 4:30

PA.P.U.C.
 SECRETARY'S BUREAU

MERMON AVENUE - NESQUEHONING, PA.
 AUTOMATIC HIGHWAY CROSSING
 WARNING DEVICES

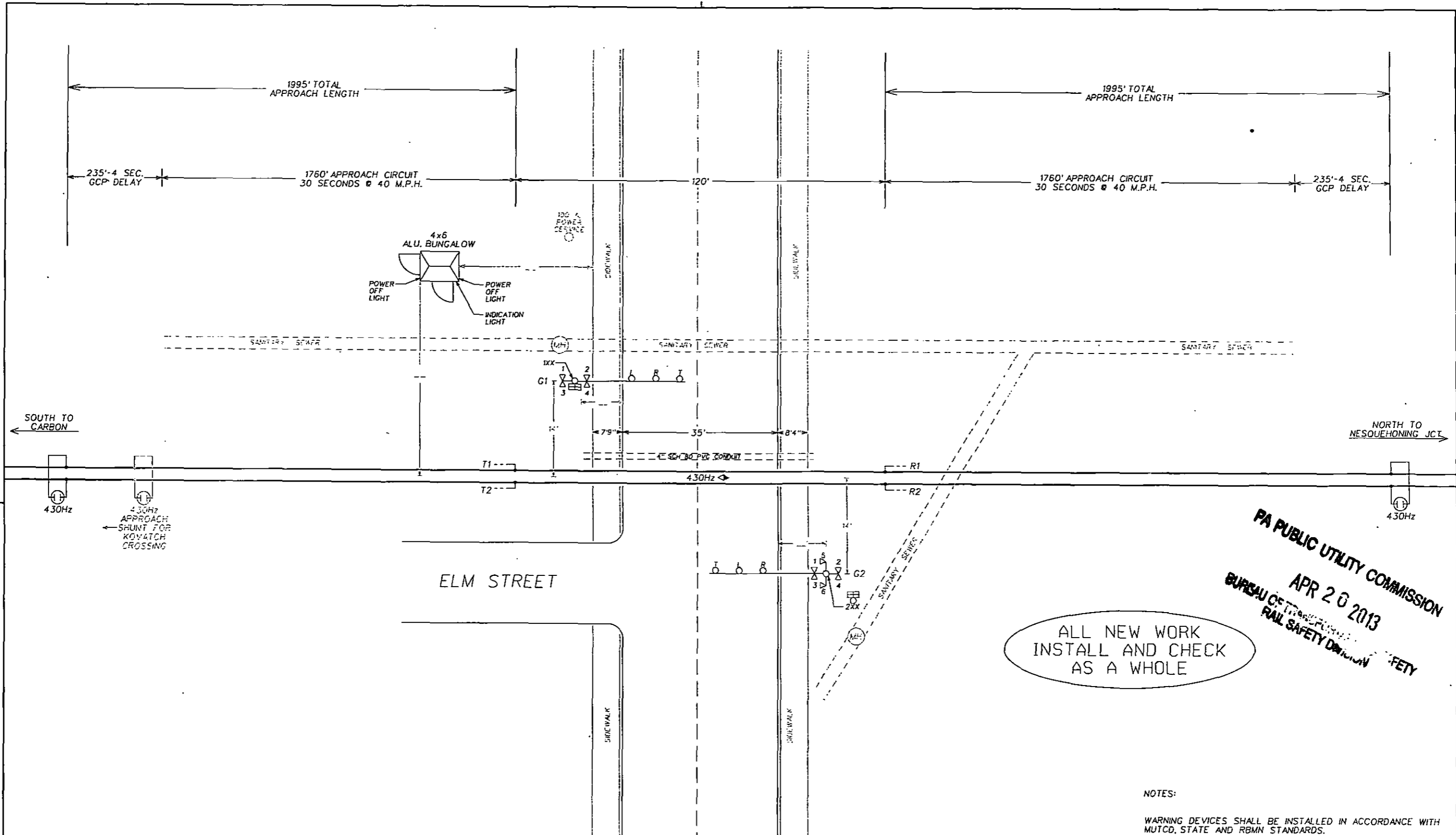
TITLE, INDEX & REVISIONS

LOCATION: NESQUEHONING, PA
 LINE/BRANCH: MAIN LINE
 MILEPOST: 118.0

ISSUE DATE:
 APRIL 15, 2013
 REV. 1 4-15-13
 PLAN: 0501-1180
 SHEET 1



0501.1180.001.dgn



ALL NEW WORK
INSTALL AND CHECK
AS A WHOLE

PA PUBLIC UTILITY COMMISSION
APR 26 2013
BUREAU OF TRANSPORTATION SAFETY
RAIL SAFETY DIVISION

NOTES:
WARNING DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH MUTCD, STATE AND RBMN STANDARDS.
SITE DIMENSIONS MAY DETERMINE FINAL PLACEMENT OF SIGNAL EQUIPMENT WHILE MAINTAINING MUTCD STANDARDS
WARNING DEVICES TO BE ACTIVATED WITH SAFETRAM MODEL 3000 GRADE CROSSING PREDICTOR WITH REDUNDANCY
WARNING FLASHERS TO BE 12" L.E.D. TYPE WITH DIFFUSER

MERMION AVENUE
DOT# 361-486A

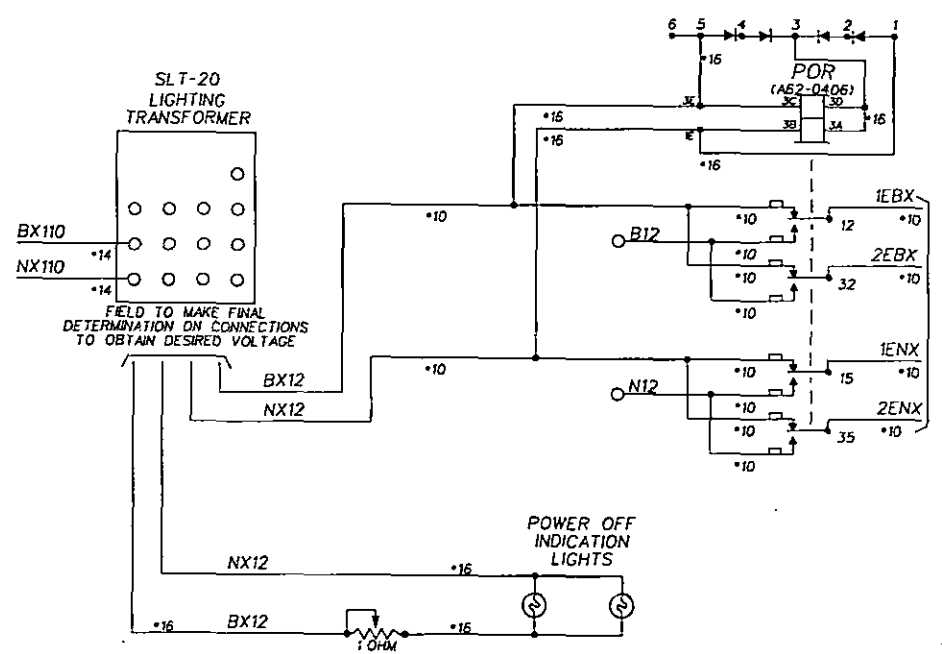
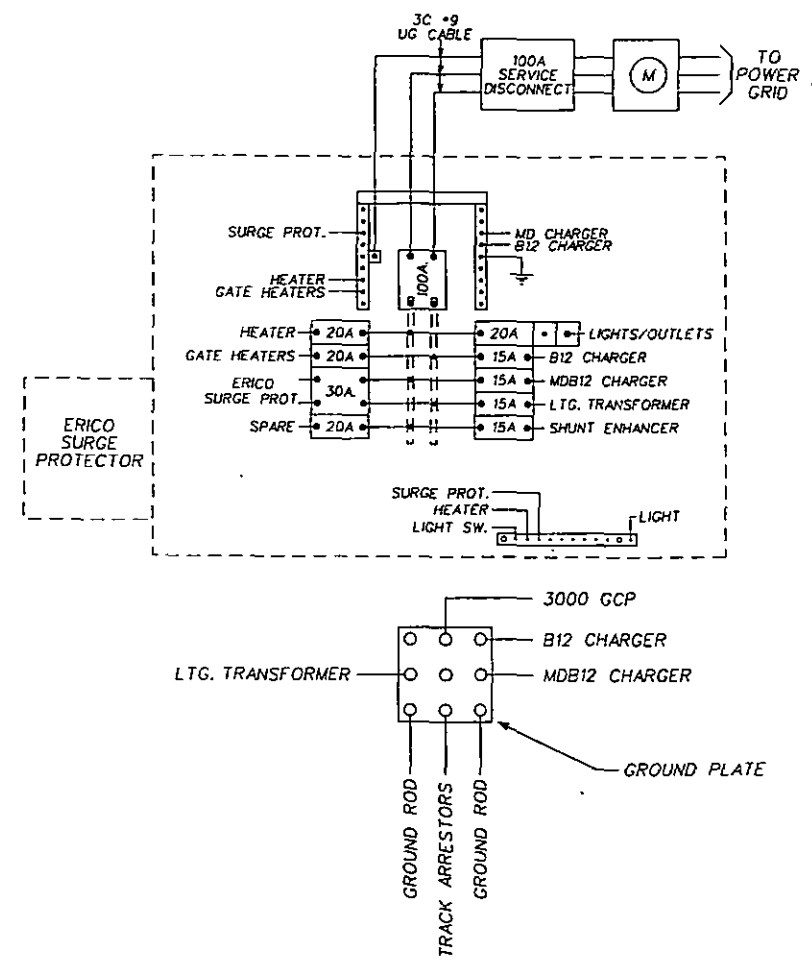
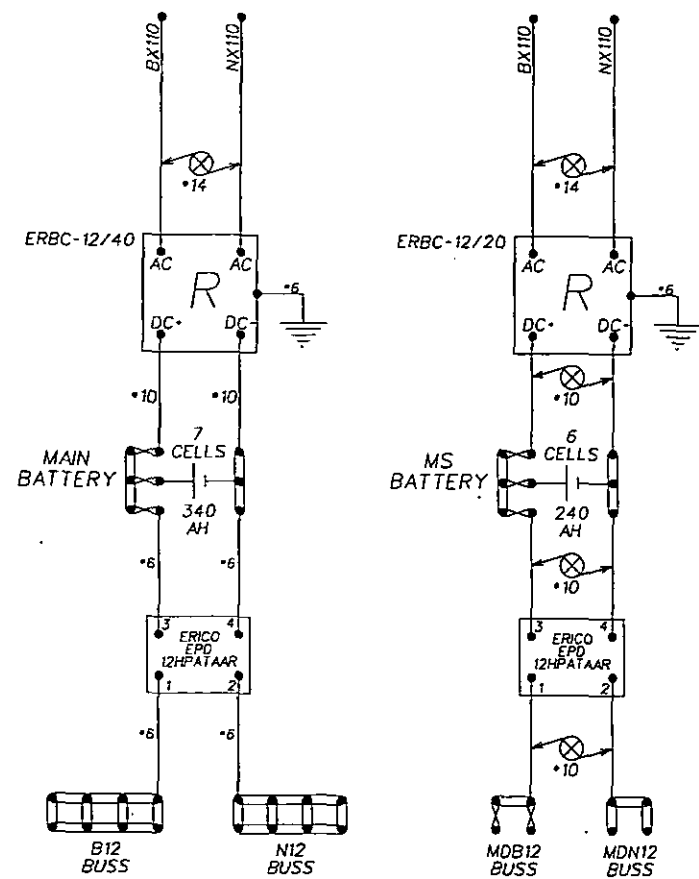
MERMION AVENUE - NESQUEHONING, PA
AUTOMATIC HIGHWAY CROSSING
WARNING DEVICES

LOCATION PLAN

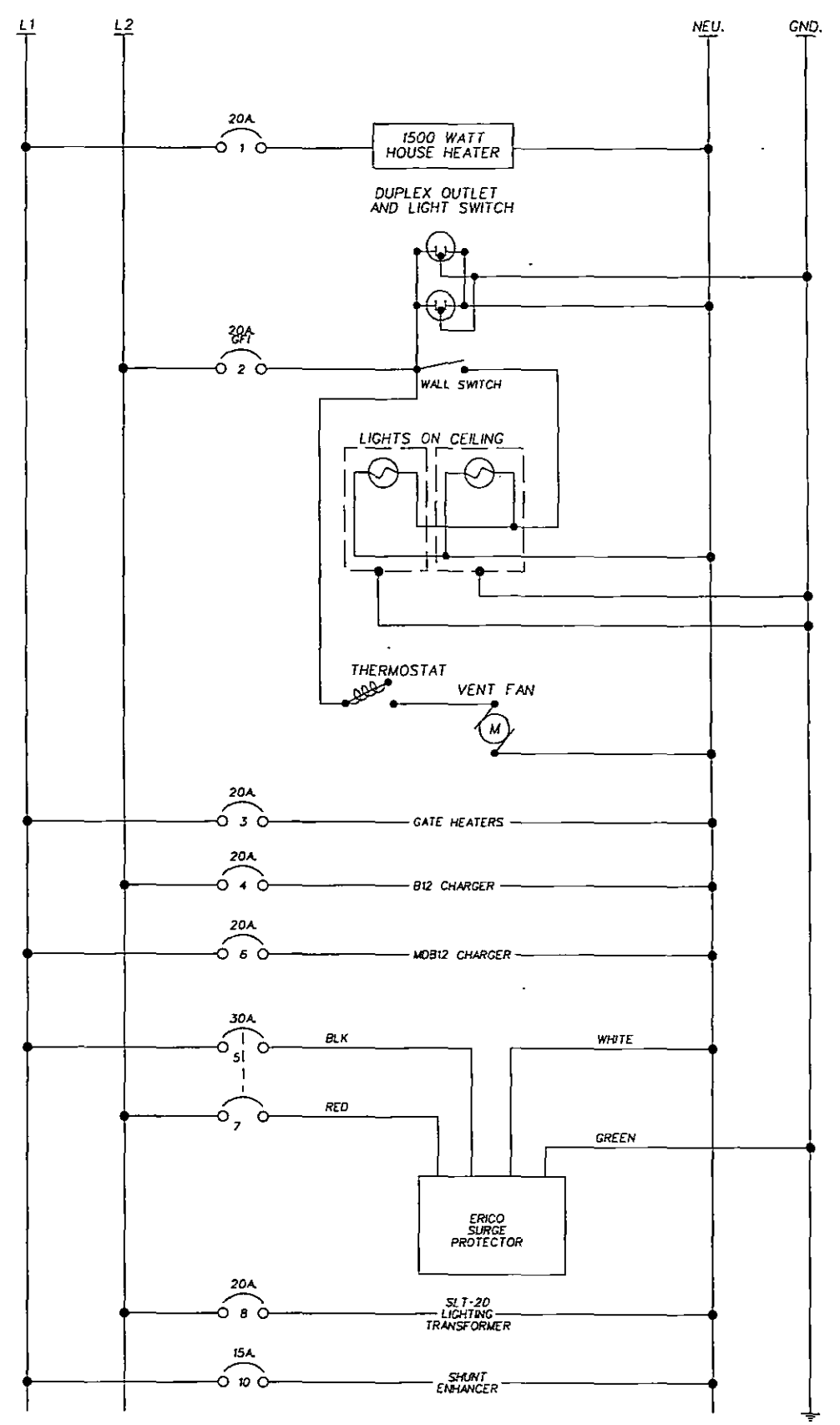
LOCATION:	NESQUEHONING, PA	ISSUE DATE:	APRIL 15, 2013
LINE/BRANCH:	MAIN LINE	REV. 1	4-15-13
MILEPOST:	118.0	PLAN:	0501-1180
		SHEET	2



0501-1180-002.dgn



ALL NEW WORK
INSTALL AND CHECK
AS A WHOLE



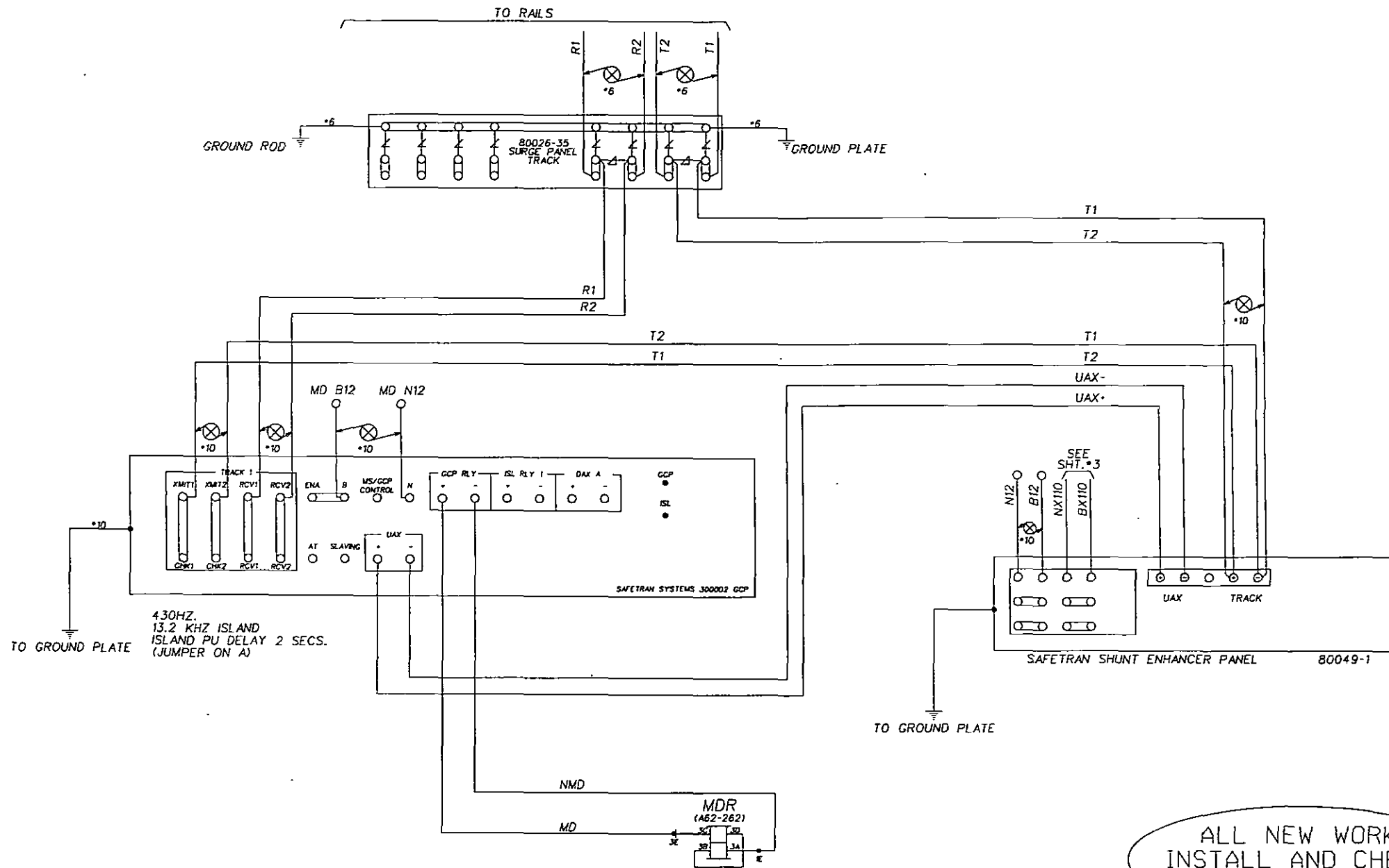
0501.1180.003.dgn

MERMON AVENUE - NESQUEHONING, PA
AUTOMATIC HIGHWAY CROSSING
WARNING DEVICES

POWER DISTRIBUTION

LOCATION:	NESQUEHONING, PA	ISSUE DATE:	APRIL 15, 2013
LINE/BRANCH:	MAIN LINE	REV. 1	4-15-13
MILEPOST:	118.0	PLAN:	0501-1180
		SHEET:	3





NOTES: ALL WIRING TO BE #16
UNLESS OTHERWISE NOTED

ALL NEW WORK
INSTALL AND CHECK
AS A WHOLE

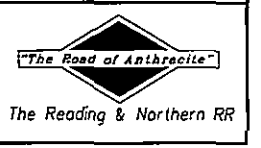
0501.1180.004.dgn

MERMON AVENUE - NESQUEHONING, PA
AUTOMATIC HIGHWAY CROSSING
WARNING DEVICES

TRAIN DETECTION CIRCUITS

LOCATION:	NESQUEHONING, PA
LINE/BRANCH:	MAIN LINE
MILEPOST:	118.0

ISSUE DATE:	APRIL 15, 2013
REV. 1	4-15-13
PLAN:	0501-1180
SHEET	4



3000 GCP APPLICATION HISTORY CARD
(For Units equipped with Processor Module 80014, 80044, or 80214)

Equipment: 3000 3000D2 3000D2L 3000ND 3000ND2 3008 3008D2 DATE INSTALLED: _____
 Unit/Serial No: _____ Crossing No: _____ Island Frequency: T1: _____ kHz T2: _____ kHz
 Crossing Name: _____ City/Town: _____ State: _____

PROGRAMMING HISTORY

Press PROGRAM key Initial Programmed Value Program Change Date: _____ Program Change Date: _____

Parameter	Initial Value	Programmed Value	Program Change Date
NUMBER OF TRACKS (Transceiver Modules)	1 <input type="checkbox"/> 2 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/>
C10 FREQUENCY (MS/GCP)	T1: _____ Hz T2: _____ Hz	T1: _____ Hz T2: _____ Hz	T1: _____ Hz T2: _____ Hz
UNIDIRECTIONAL/BIDIRECTIONAL	T1: UNI <input type="checkbox"/> BI <input type="checkbox"/> T2: UNI <input type="checkbox"/> BI <input type="checkbox"/>	T1: UNI <input type="checkbox"/> BI <input type="checkbox"/> T2: UNI <input type="checkbox"/> BI <input type="checkbox"/>	T1: UNI <input type="checkbox"/> BI <input type="checkbox"/> T2: UNI <input type="checkbox"/> BI <input type="checkbox"/>
XMIT LEVEL	T1: MAX <input type="checkbox"/> MED <input type="checkbox"/> T2: MAX <input type="checkbox"/> MED <input type="checkbox"/>	T1: MAX <input type="checkbox"/> MED <input type="checkbox"/> T2: MAX <input type="checkbox"/> MED <input type="checkbox"/>	T1: MAX <input type="checkbox"/> MED <input type="checkbox"/> T2: MAX <input type="checkbox"/> MED <input type="checkbox"/>
WARNING TIME SELECTED	T1: _____ Sec. T2: _____ Sec.	T1: _____ Sec. T2: _____ Sec.	T1: _____ Sec. T2: _____ Sec.
APPROACH DISTANCE	SELECTED T1: _____ Ft. T2: _____ Ft.	SELECTED T1: _____ Ft. T2: _____ Ft.	SELECTED T1: _____ Ft. T2: _____ Ft.
COMPUTED T1: _____ Ft. T2: _____ Ft.	COMPUTED T1: _____ Ft. T2: _____ Ft.	COMPUTED T1: _____ Ft. T2: _____ Ft.	COMPUTED T1: _____ Ft. T2: _____ Ft.
UAX1 PICKUP DELAY (UAX) (0-OFF)	_____ Sec.	_____ Sec.	_____ Sec.
ENA/UAX2 DELAY (0-ENA)	_____ Sec.	_____ Sec.	_____ Sec.
ISLAND DISTANCE (Between transmit & receive track wire connections)	T1: _____ Ft. T2: _____ Ft.	T1: _____ Ft. T2: _____ Ft.	T1: _____ Ft. T2: _____ Ft.
NUMBER OF DAX'S (For 3000ND and 3000ND2 units, set to 0)	0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/>	0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/>	0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/>
DAX A TRACK ASSIGNMENT	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>
DAX A DISTANCE (0-PREEMPT)	_____ Ft.	_____ Ft.	_____ Ft.
DAX A WARNING TIME	_____ Sec.	_____ Sec.	_____ Sec.
DAX B TRACK ASSIGNMENT	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>
DAX B DISTANCE (0-PREEMPT)	_____ Ft.	_____ Ft.	_____ Ft.
DAX B WARNING TIME	_____ Sec.	_____ Sec.	_____ Sec.
DAX C TRACK ASSIGNMENT	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>
DAX C DISTANCE (0-PREEMPT)	_____ Ft.	_____ Ft.	_____ Ft.
DAX C WARNING TIME	_____ Sec.	_____ Sec.	_____ Sec.
DAX D TRACK ASSIGNMENT	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>
DAX D DISTANCE (0-PREEMPT)	_____ Ft.	_____ Ft.	_____ Ft.
DAX D WARNING TIME	_____ Sec.	_____ Sec.	_____ Sec.
C20 DAX E TRACK ASSIGNMENT	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>
C20 DAX E DISTANCE (0-PREEMPT)	_____ Ft.	_____ Ft.	_____ Ft.
C20 DAX E WARNING TIME	_____ Sec.	_____ Sec.	_____ Sec.
C20 DAX F TRACK ASSIGNMENT	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>
C20 DAX F DISTANCE (0-PREEMPT)	_____ Ft.	_____ Ft.	_____ Ft.
C20 DAX F WARNING TIME	_____ Sec.	_____ Sec.	_____ Sec.
C20 DAX G TRACK ASSIGNMENT	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>
C20 DAX G DISTANCE (0-PREEMPT)	_____ Ft.	_____ Ft.	_____ Ft.
C20 DAX G WARNING TIME	_____ Sec.	_____ Sec.	_____ Sec.
C20 DAX H TRACK ASSIGNMENT	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/>
C20 DAX H DISTANCE (0-PREEMPT)	_____ Ft.	_____ Ft.	_____ Ft.
C20 DAX H WARNING TIME	_____ Sec.	_____ Sec.	_____ Sec.
SLAVING MASTER/SLAVE	MASTER: <input type="checkbox"/> SLAVE: <input type="checkbox"/>	MASTER: <input type="checkbox"/> SLAVE: <input type="checkbox"/>	MASTER: <input type="checkbox"/> SLAVE: <input type="checkbox"/>
PASSWORD ENABLED	DISABLED: <input type="checkbox"/> ENABLED: <input type="checkbox"/>	DISABLED: <input type="checkbox"/> ENABLED: <input type="checkbox"/>	DISABLED: <input type="checkbox"/> ENABLED: <input type="checkbox"/>
RECORDER INSTALLED	NOT INSTALLED: <input type="checkbox"/> INSTALLED: <input type="checkbox"/>	NOT INSTALLED: <input type="checkbox"/> INSTALLED: <input type="checkbox"/>	NOT INSTALLED: <input type="checkbox"/> INSTALLED: <input type="checkbox"/>
EXTERNAL NODE*	EXTERNAL NODE* _____	EXTERNAL NODE* _____	EXTERNAL NODE* _____
RS-232-C BAUD RATE	_____ bps	_____ bps	_____ bps
RS-232-C DATA BITS	7: <input type="checkbox"/> 8: <input type="checkbox"/>	7: <input type="checkbox"/> 8: <input type="checkbox"/>	7: <input type="checkbox"/> 8: <input type="checkbox"/>
RS-232-C STOP BITS	1: <input type="checkbox"/> 2: <input type="checkbox"/>	1: <input type="checkbox"/> 2: <input type="checkbox"/>	1: <input type="checkbox"/> 2: <input type="checkbox"/>
RS-232-C PARITY	NONE <input type="checkbox"/> ODD <input type="checkbox"/> EVEN <input type="checkbox"/> SPACE: <input type="checkbox"/> MARK <input type="checkbox"/>	NONE <input type="checkbox"/> ODD <input type="checkbox"/> EVEN <input type="checkbox"/> SPACE: <input type="checkbox"/> MARK <input type="checkbox"/>	NONE <input type="checkbox"/> ODD <input type="checkbox"/> EVEN <input type="checkbox"/> SPACE: <input type="checkbox"/> MARK <input type="checkbox"/>
DATE (eg. THU 03 APR 1997)	_____	_____	_____
TIME (eg. 11:25:43 AM)	_____	_____	_____
DAYLIGHT SAVINGS	ON: <input type="checkbox"/> OFF: <input type="checkbox"/>	ON: <input type="checkbox"/> OFF: <input type="checkbox"/>	ON: <input type="checkbox"/> OFF: <input type="checkbox"/>

C10 Dual Frequency operation available only in Dual-Frequency 3000 GCP's equipped with 80214 processors
 C20 Applicable to 3008 and 3008D2 8-DAX GCP's only

EXPANDED PROGRAMMING HISTORY (Function Made)

Press PROGRAM key Initial Programmed Value Program Change Date: _____ Program Change Date: _____

Parameter	Initial Value	Programmed Value	Program Change Date
SWITCH TO MS (Enter EZ value)	T1: _____ EZ T2: _____ EZ	T1: _____ EZ T2: _____ EZ	T1: _____ EZ T2: _____ EZ
TRANSFER DELAY MS TO GCP (0-OFF)	T1: _____ Sec. T2: _____ Sec.	T1: _____ Sec. T2: _____ Sec.	T1: _____ Sec. T2: _____ Sec.
C70 TRANSFER MS TO GCP PRIME (When PRIME PREDICTION OFFSET is on)	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C70 TRANSFER MS TO GCP DAX A	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C70 TRANSFER MS TO GCP DAX B	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C70 TRANSFER MS TO GCP DAX C	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C70 TRANSFER MS TO GCP DAX D	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C70 TRANSFER MS TO GCP DAX E	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C70 TRANSFER MS TO GCP DAX F	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C70 TRANSFER MS TO GCP DAX G	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C70 TRANSFER MS TO GCP DAX H	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: <input type="checkbox"/> T2: <input type="checkbox"/> ON <input type="checkbox"/> OFF: <input type="checkbox"/>
PRIME PREDICTION OFFSET (0-OFF)	T1: _____ Ft. T2: _____ Ft.	T1: _____ Ft. T2: _____ Ft.	T1: _____ Ft. T2: _____ Ft.
PICKUP DELAY PRIME	_____ Sec.	_____ Sec.	_____ Sec.
PICKUP DELAY DAX A	_____ Sec.	_____ Sec.	_____ Sec.
PICKUP DELAY DAX B	_____ Sec.	_____ Sec.	_____ Sec.
PICKUP DELAY DAX C	_____ Sec.	_____ Sec.	_____ Sec.
PICKUP DELAY DAX D	_____ Sec.	_____ Sec.	_____ Sec.
C20 PICKUP DELAY DAX E	_____ Sec.	_____ Sec.	_____ Sec.
C20 PICKUP DELAY DAX F	_____ Sec.	_____ Sec.	_____ Sec.
C20 PICKUP DELAY DAX G	_____ Sec.	_____ Sec.	_____ Sec.
C20 PICKUP DELAY DAX H	_____ Sec.	_____ Sec.	_____ Sec.
COMPENSATION VALUE	T1: _____ T2: _____	T1: _____ T2: _____	T1: _____ T2: _____
C30 SPEED LIMITING	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C30 ENHANCED DETECTION (ED)	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C30 BACK TO BACK T1 AND T2 (When ED is on)	NO <input type="checkbox"/> YES: <input type="checkbox"/>	NO <input type="checkbox"/> YES: <input type="checkbox"/>	NO <input type="checkbox"/> YES: <input type="checkbox"/>
C30 STATION STOP TIMER	T1: _____ Sec. T2: _____ Sec.	T1: _____ Sec. T2: _____ Sec.	T1: _____ Sec. T2: _____ Sec.
NUMBER OF TRACK WIRES	T1: 4: <input type="checkbox"/> 6: <input type="checkbox"/> T2: 4: <input type="checkbox"/> 6: <input type="checkbox"/>	T1: 4: <input type="checkbox"/> 6: <input type="checkbox"/> T2: 4: <input type="checkbox"/> 6: <input type="checkbox"/>	T1: 4: <input type="checkbox"/> 6: <input type="checkbox"/> T2: 4: <input type="checkbox"/> 6: <input type="checkbox"/>
C30 LOW EX ADJUSTMENT	T1: _____ T2: _____	T1: _____ T2: _____	T1: _____ T2: _____
C40 LOW EZ DETECTION	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>	T1: ON <input type="checkbox"/> OFF: <input type="checkbox"/> T2: ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C40 LOW EZ DETECTION TIMER (When low EZ detection is on)	T1: _____ Min. T2: _____ Min.	T1: _____ Min. T2: _____ Min.	T1: _____ Min. T2: _____ Min.
C40 POSITIVE START (0-OFF) (Enter EZ value)	T1: _____ EZ T2: _____ EZ	T1: _____ EZ T2: _____ EZ	T1: _____ EZ T2: _____ EZ
C40 POSITIVE START TIMEOUT (0-NONE) (When positive start is on)	T1: _____ Min. T2: _____ Min.	T1: _____ Min. T2: _____ Min.	T1: _____ Min. T2: _____ Min.
C40 SET AT OPERATION	NORMAL: <input type="checkbox"/> DIAGNOSTIC: <input type="checkbox"/>	NORMAL: <input type="checkbox"/> DIAGNOSTIC: <input type="checkbox"/>	NORMAL: <input type="checkbox"/> DIAGNOSTIC: <input type="checkbox"/>
C5,60 DIAGNOSTIC MESSAGES	ON <input type="checkbox"/> OFF: <input type="checkbox"/>	ON <input type="checkbox"/> OFF: <input type="checkbox"/>	ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C5,60 DAX MESSAGES	ON <input type="checkbox"/> OFF: <input type="checkbox"/>	ON <input type="checkbox"/> OFF: <input type="checkbox"/>	ON <input type="checkbox"/> OFF: <input type="checkbox"/>
C50 ADVANCE PREEMPT TIMER	_____ Sec.	_____ Sec.	_____ Sec.
C70 MOTION SENSING LEVEL (0-NORMAL)	T1: _____ X T2: _____ X	T1: _____ X T2: _____ X	T1: _____ X T2: _____ X

C30 Applicable only to 3000 GCP's equipped with 80044 or 80214 processors.
 C40 Applicable only to 3000 GCP's equipped with 80214 processors with A01C revision and later
 C50 Applicable only to 3000 GCP's equipped with 80214 processors with A01E revision and later
 C60 Applicable only when a SEAR node has been programmed into the GCP from a SEAR
 C70 Applicable only to 3000 GCP's equipped with 80214 processors with A01H revision and later

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AS A WHOLE

CALIBRATION HISTORY									
CALIBRATION DATE:		80012 DC VOLTAGE READINGS AFTER CALIBRATION		CALIBRATION HISTORY (EZ/EX VALUES TRACK UNOCCUPIED)		HARDWARE SHUNT AT TERMINATION SHUNT		LINEARIZATION HISTORY (HARDWARE SHUNT AT 50 PERCENT POINT OF TRACK)	
T1	T2	Z1-	Z2-	EZ	EX	EZ VALUE	EX VALUE	EZ VALUE	LINEARIZATION COMPLETE
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
EAST/NORTH	TRACK #1								
WEST/SOUTH	TRACK #1								
EAST/NORTH	TRACK #2								
WEST/SOUTH	TRACK #2								

CALIBRATION HISTORY									
CALIBRATION DATE:		80012 DC VOLTAGE READINGS AFTER CALIBRATION		CALIBRATION HISTORY (EZ/EX VALUES TRACK UNOCCUPIED)		HARDWARE SHUNT AT TERMINATION SHUNT		LINEARIZATION HISTORY (HARDWARE SHUNT AT 50 PERCENT POINT OF TRACK)	
T1	T2	Z1-	Z2-	EZ	EX	EZ VALUE	EX VALUE	EZ VALUE	LINEARIZATION COMPLETE
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
EAST/NORTH	TRACK #1								
WEST/SOUTH	TRACK #1								
EAST/NORTH	TRACK #2								
WEST/SOUTH	TRACK #2								

CALIBRATION HISTORY									
CALIBRATION DATE:		80012 DC VOLTAGE READINGS AFTER CALIBRATION		CALIBRATION HISTORY (EZ/EX VALUES TRACK UNOCCUPIED)		HARDWARE SHUNT AT TERMINATION SHUNT		LINEARIZATION HISTORY (HARDWARE SHUNT AT 50 PERCENT POINT OF TRACK)	
T1	T2	Z1-	Z2-	EZ	EX	EZ VALUE	EX VALUE	EZ VALUE	LINEARIZATION COMPLETE
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
EAST/NORTH	TRACK #1								
WEST/SOUTH	TRACK #1								
EAST/NORTH	TRACK #2								
WEST/SOUTH	TRACK #2								

CALIBRATION HISTORY									
CALIBRATION DATE:		80012 DC VOLTAGE READINGS AFTER CALIBRATION		CALIBRATION HISTORY (EZ/EX VALUES TRACK UNOCCUPIED)		HARDWARE SHUNT AT TERMINATION SHUNT		LINEARIZATION HISTORY (HARDWARE SHUNT AT 50 PERCENT POINT OF TRACK)	
T1	T2	Z1-	Z2-	EZ	EX	EZ VALUE	EX VALUE	EZ VALUE	LINEARIZATION COMPLETE
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
EAST/NORTH	TRACK #1								
WEST/SOUTH	TRACK #1								
EAST/NORTH	TRACK #2								
WEST/SOUTH	TRACK #2								

0501.1180.005.ggn

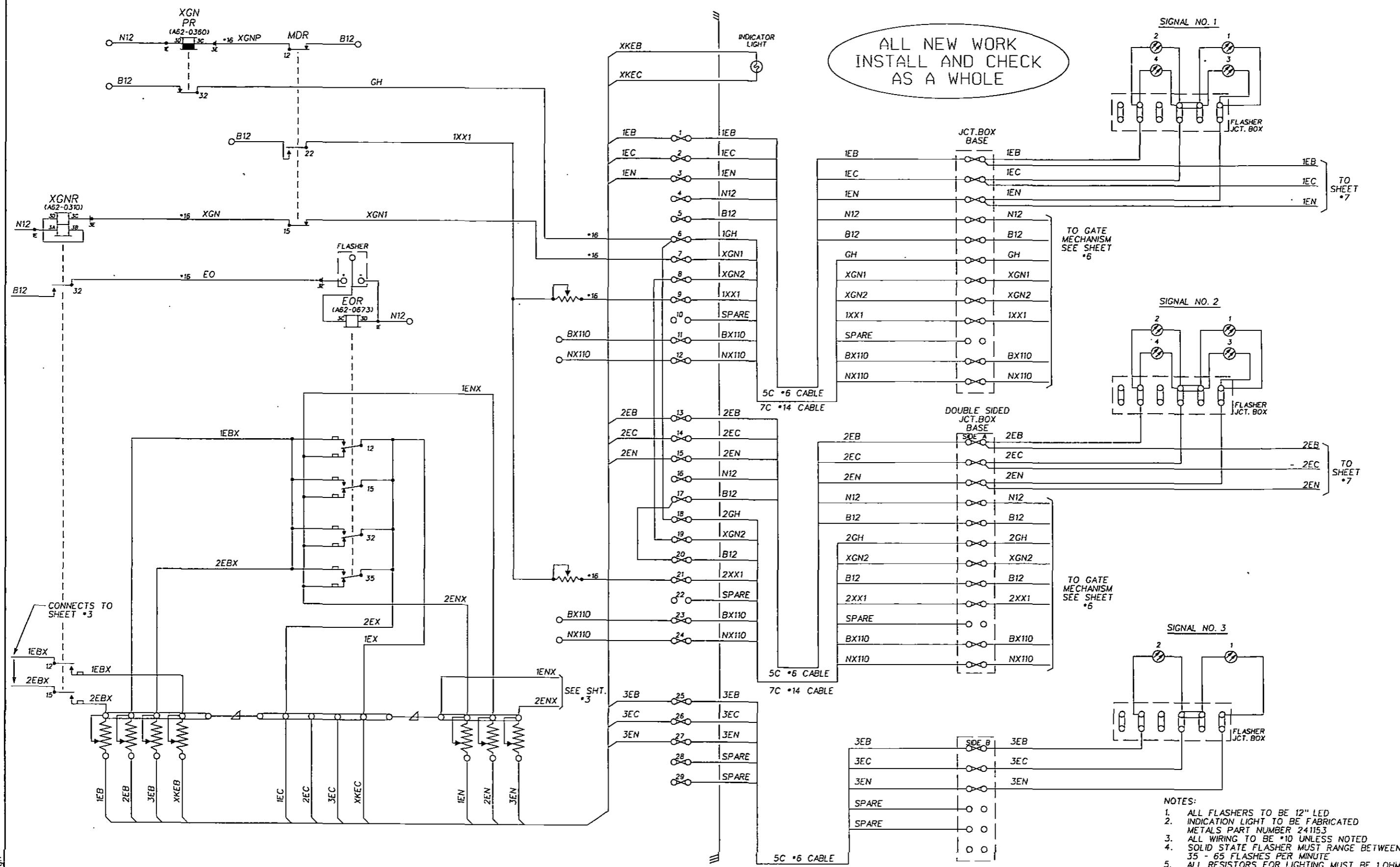
MERMON AVENUE - NESQUEHONING, PA
AUTOMATIC HIGHWAY CROSSING
WARNING DEVICES

GCP 3000 PARAMETERS

LOCATION:	NESQUEHONING, PA	ISSUE DATE:	APRIL 15, 2013
LINE/BRANCH:	MAIN LINE	REV. 1	4-15-13
MILEPOST:	118.0	PLAN:	0501-1180
		SHEET	5

The Reading & Northern RR

ALL NEW WORK
INSTALL AND CHECK
AS A WHOLE



- NOTES:
1. ALL FLASHERS TO BE 12" LED
 2. INDICATION LIGHT TO BE FABRICATED METALS PART NUMBER 241153
 3. ALL WIRING TO BE #10 UNLESS NOTED
 4. SOLID STATE FLASHER MUST RANGE BETWEEN 35 - 65 FLASHES PER MINUTE
 5. ALL RESISTORS FOR LIGHTING MUST BE 10HM

0501.1180.006.dgn

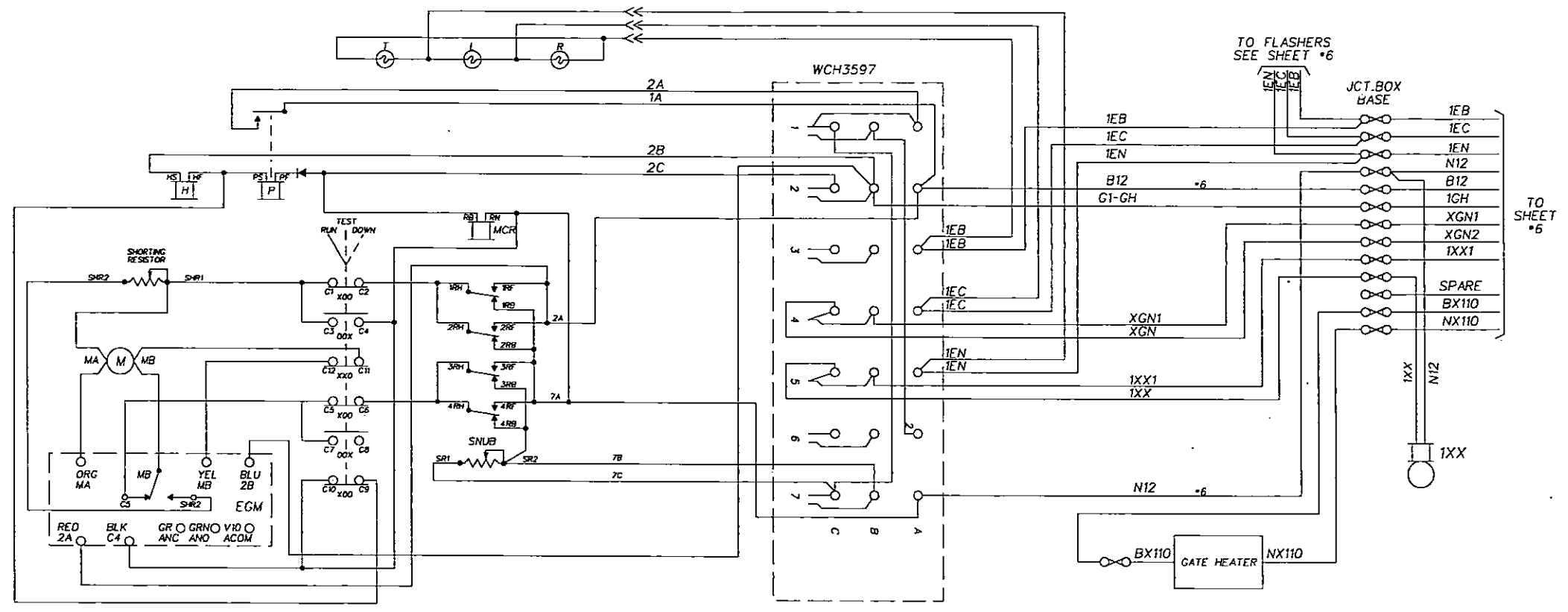
MERMON AVENUE - NESQUEHONING, PA
AUTOMATIC HIGHWAY CROSSING
WARNING DEVICES

FLASHING LIGHT & GATE CIRCUITS

LOCATION:	NESQUEHONING, PA
LINE/BRANCH:	MAIN LINE
MILEPOST:	118.0

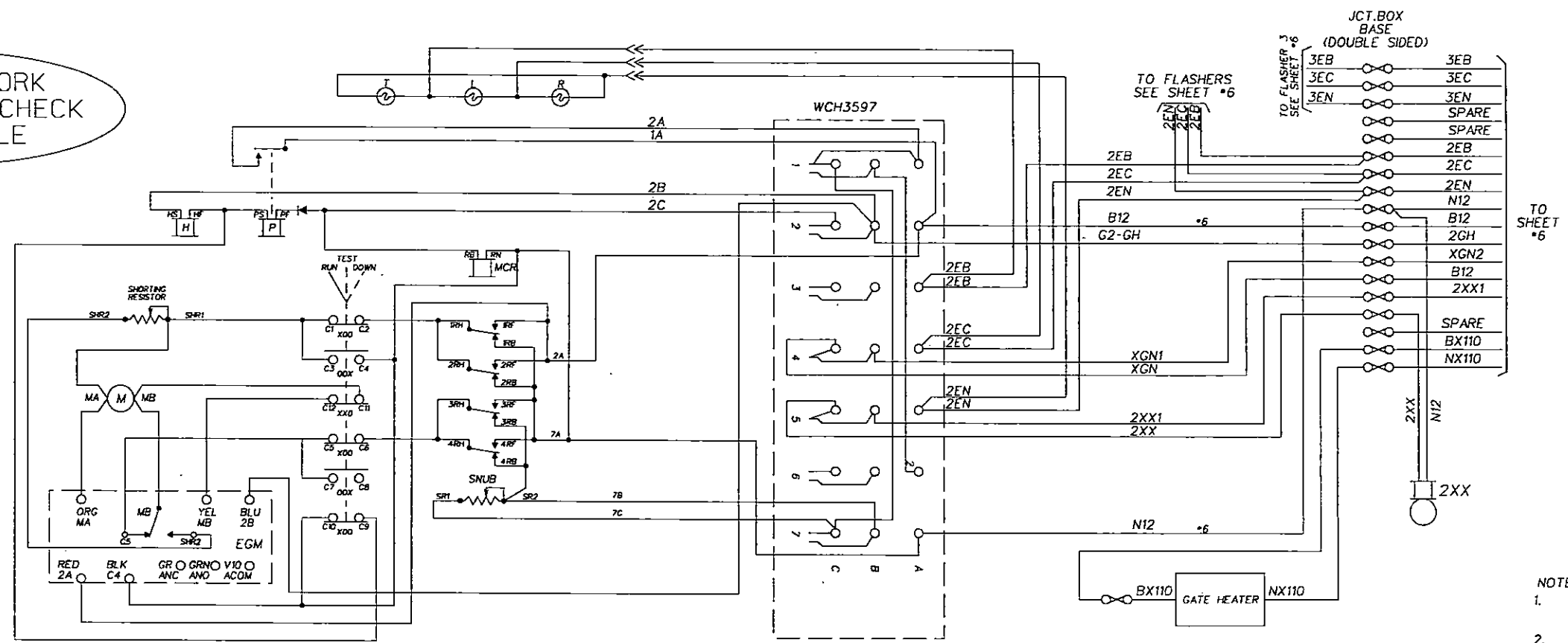
ISSUE DATE:	APRIL 15, 2013
REV. 1	4-15-13
PLAN:	0501-1180
SHEET	6





GATE #1

ALL NEW WORK
INSTALL AND CHECK
AS A WHOLE



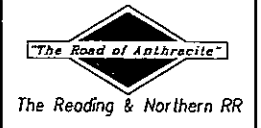
GATE #2

- NOTES:
1. BELLS TO BE ELECTRONIC VERSION BY WCH (WCH-0777)
 2. GATE MECHANISMS TO BE WESTERN CULLEN HAYES 3597

MERMON AVENUE - NESQUEHONING, PA
AUTOMATIC HIGHWAY CROSSING
WARNING DEVICES

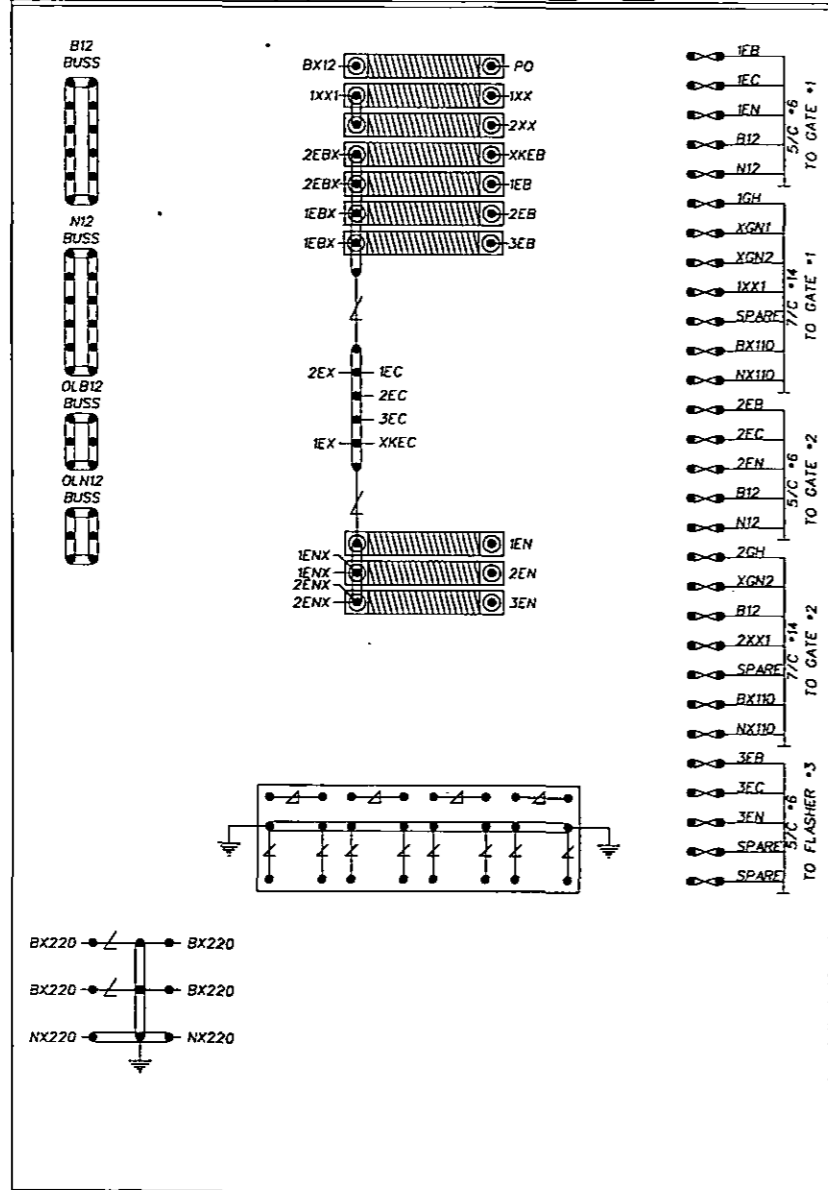
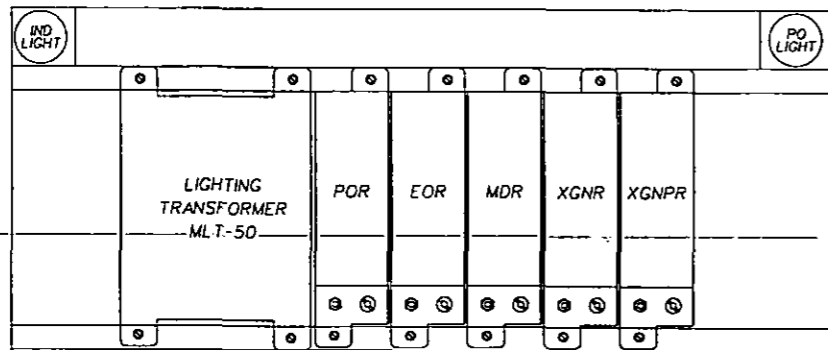
GATE MECHANISM CIRCUITS

LOCATION:	NESQUEHONING, PA	ISSUE DATE:	APRIL 15, 2013
LINE/BRANCH:	MAIN LINE	REV. 1	4-15-13
MILEPOST:	118.0	PLAN:	0501-1180
		SHEET	7



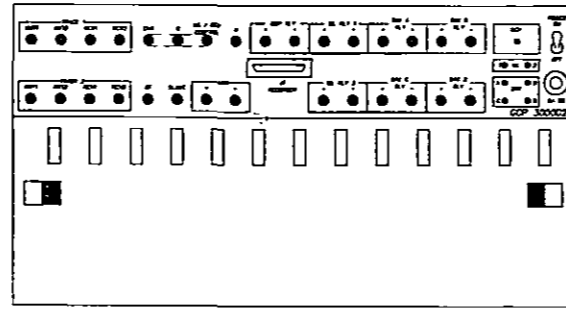
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SIDE "A"

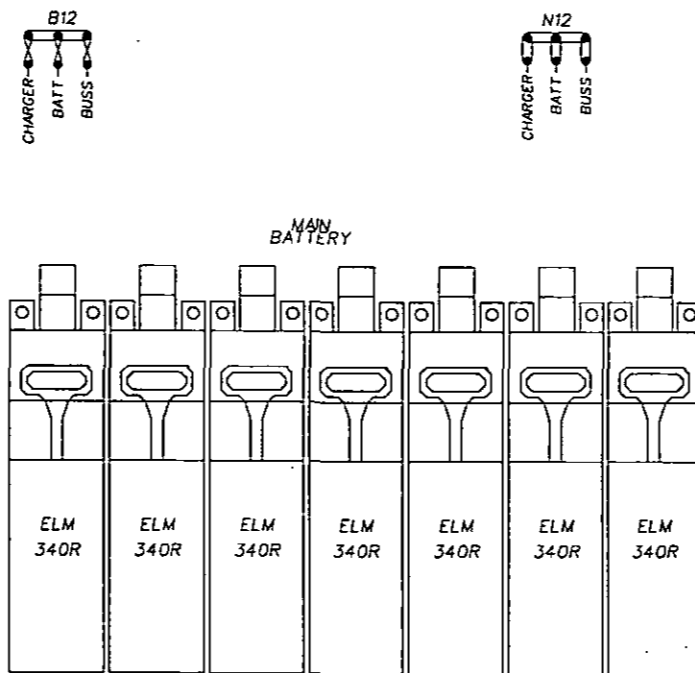


SIDE "B"

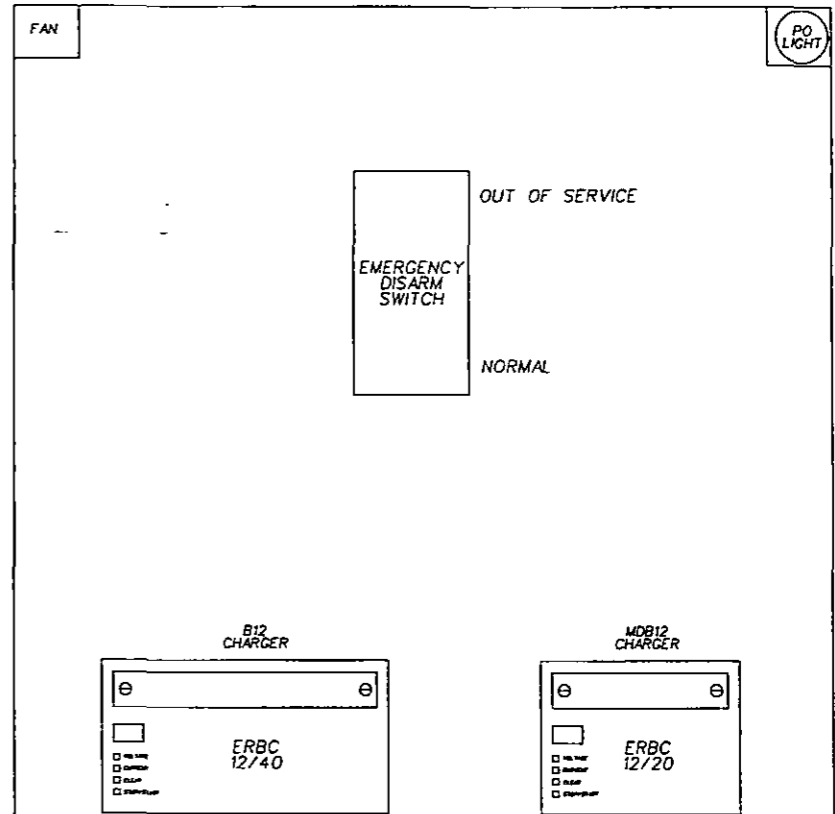
ALL NEW WORK
INSTALL AND CHECK
— AS A WHOLE



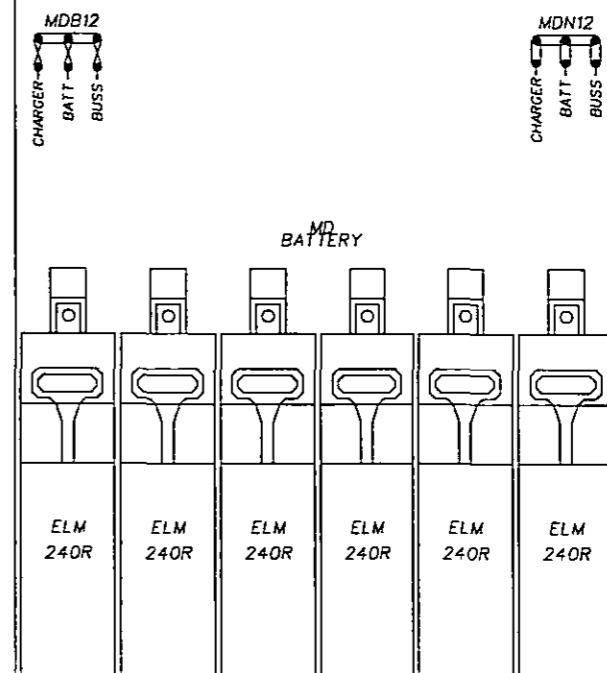
SHELF



SIDE "C"



SHELF



0501-1180-008-001

MERMON AVENUE - NESQUEHONING, PA
AUTOMATIC HIGHWAY CROSSING
WARNING SYSTEM

BUNGALOW LAYOUT

LOCATION: NESQUEHONING, PA
LINE/BRANCH: MAIN LINE
MILEPOST: 118.0

ISSUE DATE:
APRIL 15, 2013
REV. 1 4-15-13
PLAN 0501-1180
SHEET 8

