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CERTIFIED CORRECT PLANS

Dennis J. Mack
Professional Engineer

Approved by Bureau of Technical Utility Services


PA PUBLIC UTILITY COMMISSION

ATTEST *Matthew L. Hurd* **03/04/2026**
Secretary **Docket: A-2022-3031048**

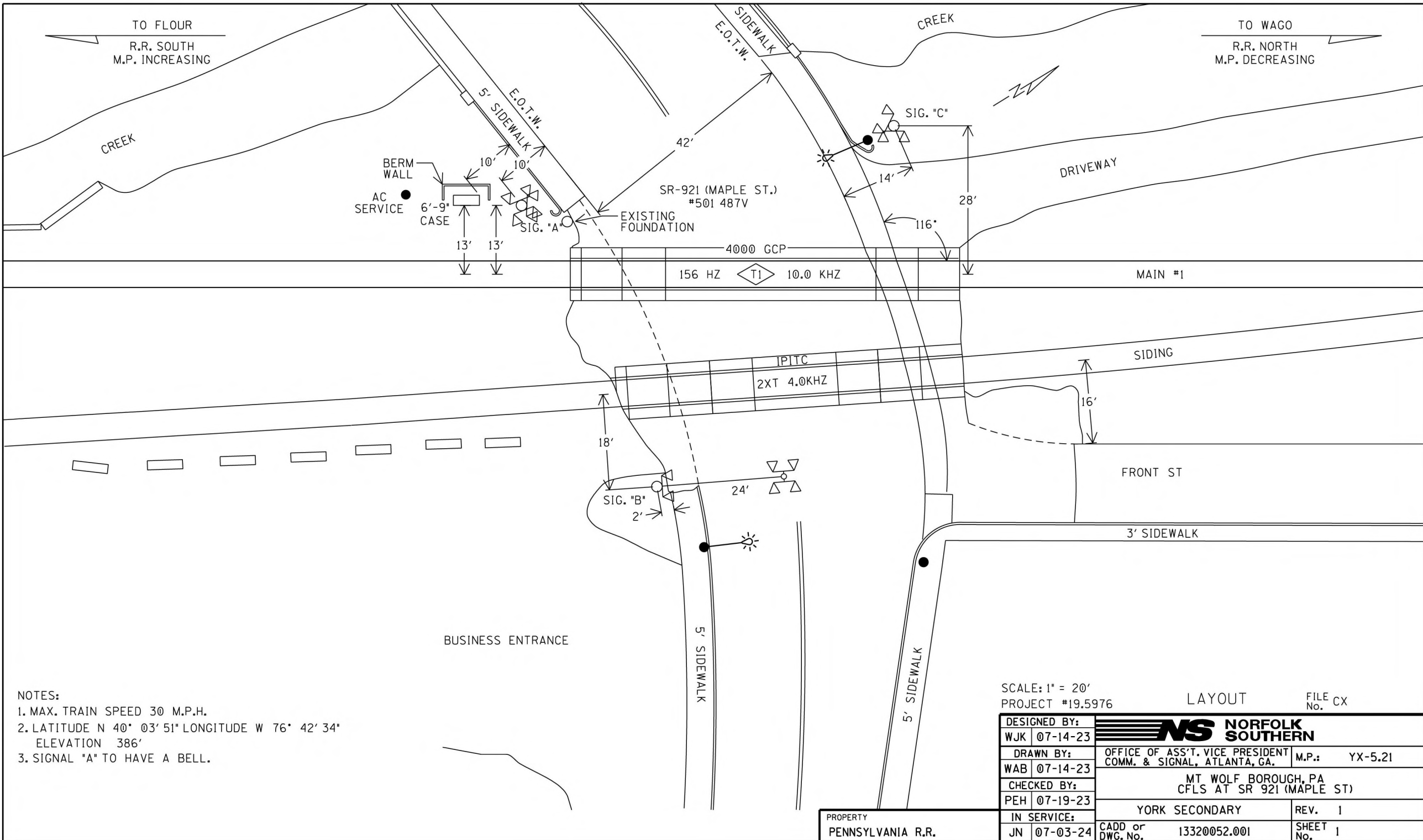
REVISIONS

1	07-14-23	WJK	WAB	PEH
NEW PLAN DRAWN ACCOUNT OF NEW SHELTER.				
FILE: *19.5976				
IN SERVICE: 07-03-24				
PER: JN			WAB	PEH

INDEX SHEET

DESIGNED BY:			
WJK 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.:	YX-5.21
DRAWN BY:	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)		
WAB 07-14-23			
CHECKED BY:	YORK SECONDARY		
PEH 07-19-23			
IN SERVICE:	CADD or DWG. No.	13320052.NX1	REV. 1
JN 07-03-24			SHEET 1 No.

PROPERTY
PENNSYLVANIA R.R.



- NOTES:
1. MAX. TRAIN SPEED 30 M.P.H.
 2. LATITUDE N 40° 03' 51" LONGITUDE W 76° 42' 34"
ELEVATION 386'
 3. SIGNAL "A" TO HAVE A BELL.

SCALE: 1" = 20'
PROJECT #19.5976

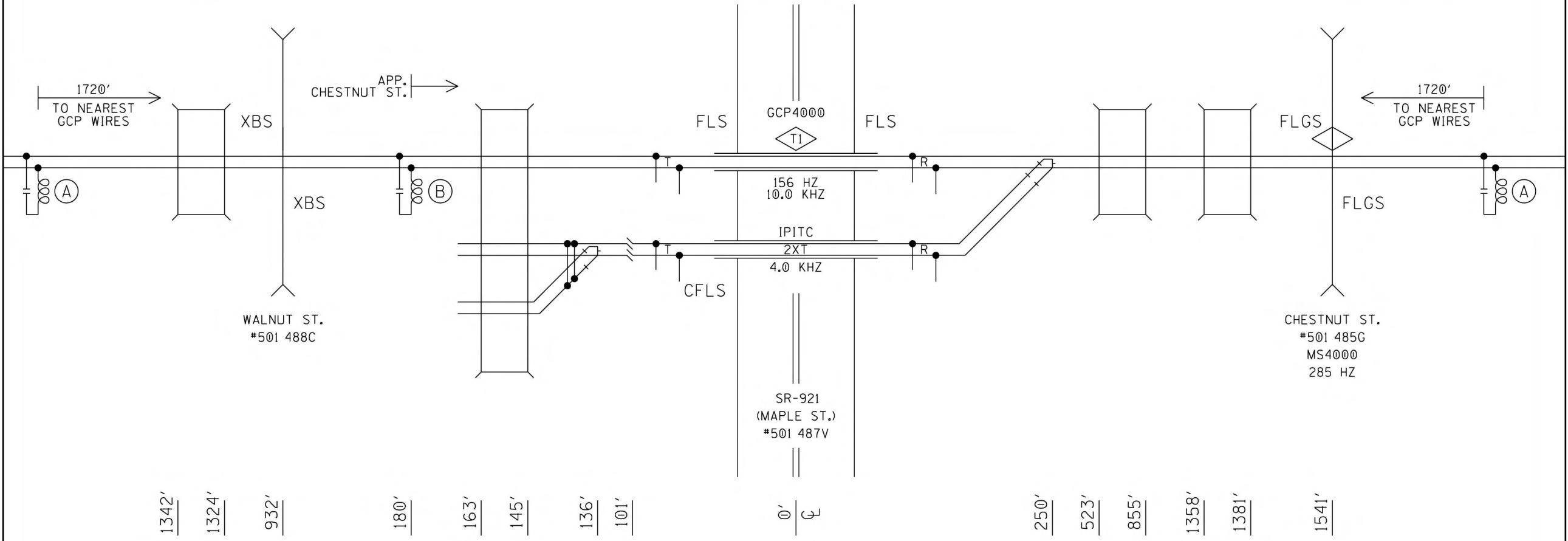
LAYOUT

FILE CX NO.

DESIGNED BY: WJK 07-14-23	NS NORFOLK SOUTHERN	
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
PROPERTY PENNSYLVANIA R.R.	CADD or DWG. No. 13320052.001	SHEET 1 No.

TO FLOUR
R.R. SOUTH
M.P. INCREASING

TO WAGO
R.R. NORTH
M.P. DECREASING

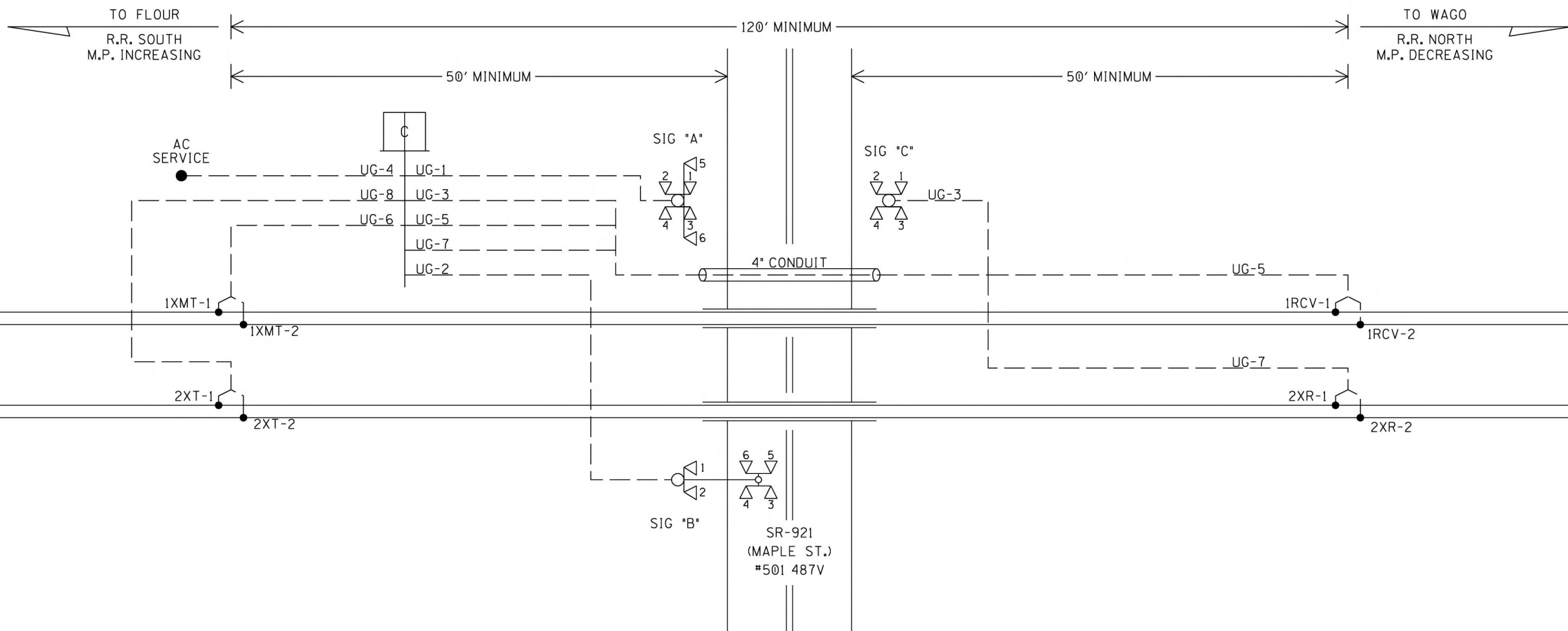


(A) - MF-NBS FSS-1D 250849-003 (156HZ)

(B) - NBS (285HZ)

PROFILE

DESIGNED BY: WJK 07-14-23	NS NORFOLK SOUTHERN	
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
PROPERTY PENNSYLVANIA R.R.	CADD or DWG. No. 13320052.002	SHEET No. 2

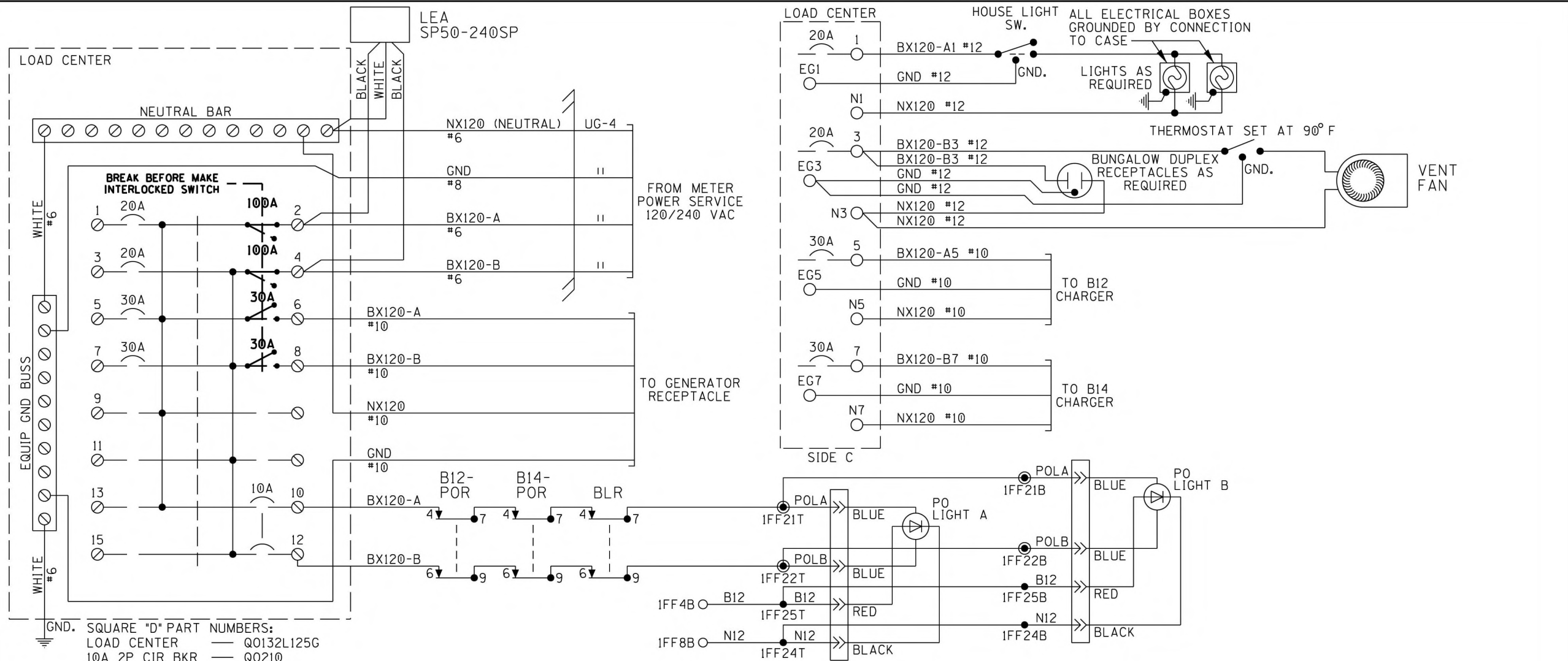


UG-1-5CUG #6 AEC AEZ AEB AXX SPARE	UG-3-5CUG #6 CEC CEZ CEB SPARE SPARE	UG-4-3CUG #6 W/#8 GND BX120-A BX120-B NX120 GND	UG-5-TW. PR. #6 1RCV-1 1RCV-2	UG-7-TW. PR. #6 2XR-1 2XR-2
UG-2-5CUG #6 BEC BEZ BEB SPARE SPARE			UG-6-TW. PR. #6 1XMT-1 1XMT-2	UG-8-TW. PR. #6 2XT-1 2XT-2

CABLE PLAN

DESIGNED BY: WJK 07-14-23		
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
	CADD or DWG. No. 13320052.003	SHEET 3 No.

PROPERTY
PENNSYLVANIA R.R.

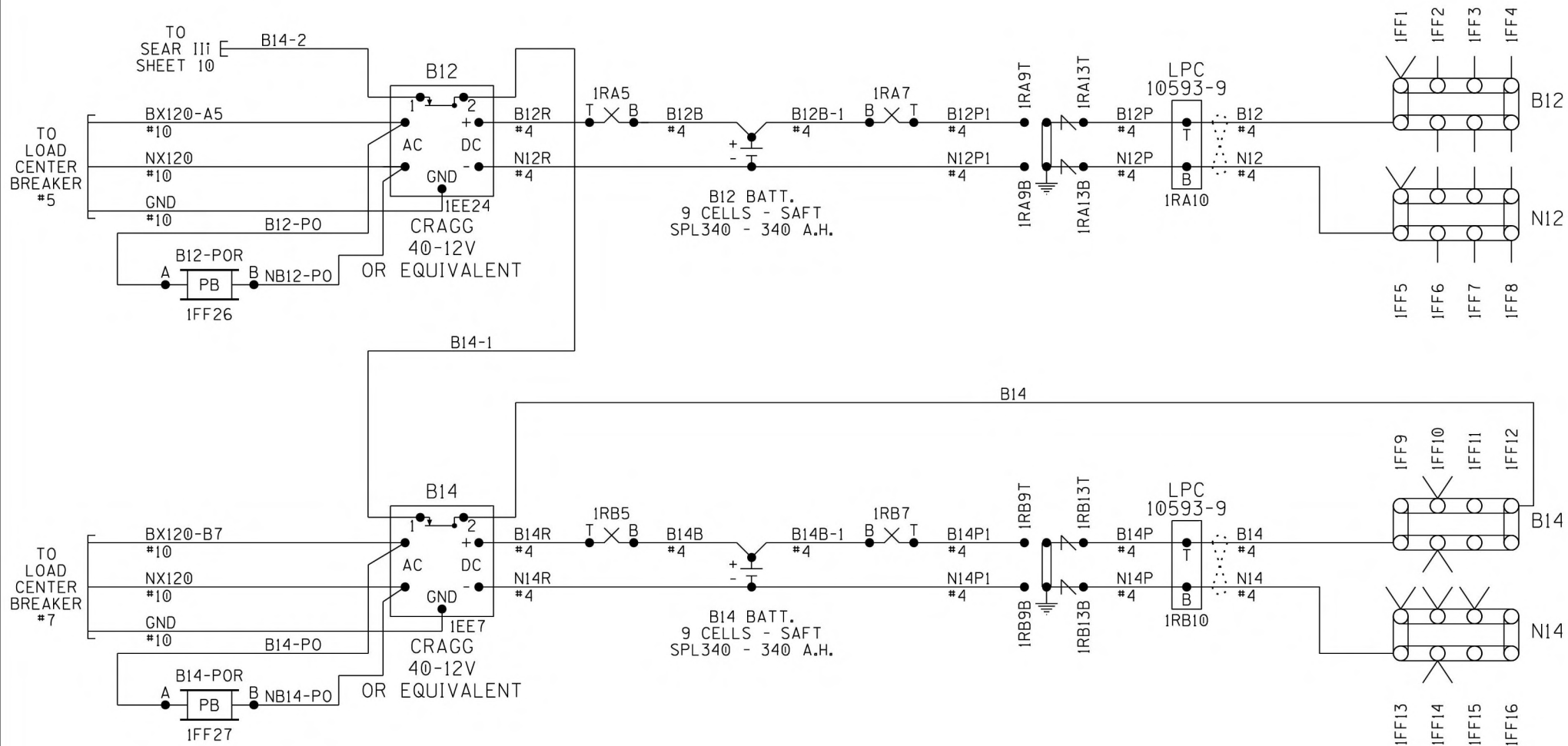


- SQUARE "D" PART NUMBERS:
- LOAD CENTER — Q0132L125G
 - 10A 2P CIR BKR — Q0210
 - 15A 2P CIR BKR — Q0215
 - 20A 1P CIR BKR — Q0120
 - 30A 1P CIR BKR — Q0130
 - 30A 2P CIR BKR — Q0230
 - 60A 2P CIR BKR — Q0260
 - 100A 2P CIR BKR — Q02100
 - MECH INTERLOCK — PK4DTIM4LA
 - GENERATOR RECEPTACLE:
 - MALE CONNECTOR — NEMA L1430-FI

- NOTES:
1. ALL WIRING TO BE #16AWG UNLESS NOTED OTHERWISE.
 2. ALL AC WIRING TO LOAD CENTER TO BE IN METALLIC CONDUIT WITH NO EXPOSED TERMINALS. ALL AC 120V AND 240V EQUIPMENT TO BE PROPERLY GROUNDED.
 3. ● = INSULATED NUTS TO BE USED ON ALL TERMINALS OF 120VAC AND ABOVE.

LOAD CENTER

DESIGNED BY:	WJK 07-14-23		
DRAWN BY:	WAB 07-14-23		
CHECKED BY:	PEH 07-19-23		OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA. M.P.: YX-5.21
IN SERVICE:	JN 07-03-24		MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)
PROPERTY	PENNSYLVANIA R.R.		YORK SECONDARY REV. 1
	CADD or DWG. No.	13320052.004	SHEET 4



B12-POR

⑥	⑤	④
③	②	①
BACK 3	2	1
FRONT 6	5	4
HEEL 9	8	7
B A		
POTTER BRUMFIELD RELAY (FRONT VIEW) KUMP-14A18-120		
Ⓑ		Ⓐ
⑨	⑧	⑦

B14-POR

⑥	⑤	④
③	②	①
BACK 3	2	1
FRONT 6	5	4
HEEL 9	8	7
B A		
POTTER BRUMFIELD RELAY (FRONT VIEW) KUMP-14A18-120		
Ⓑ		Ⓐ
⑨	⑧	⑦

NOTES:

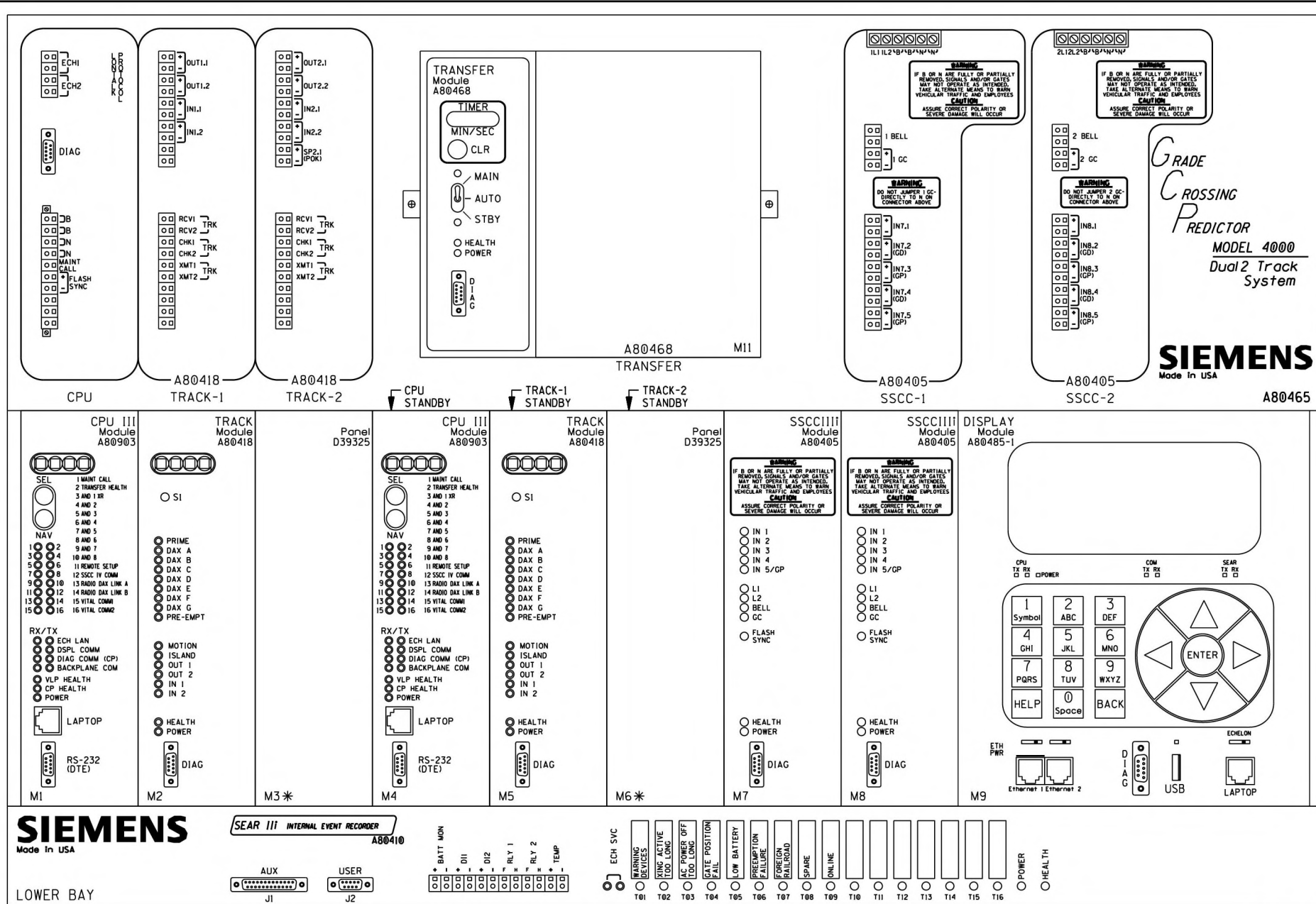
1. ALL WIRING TO BE #16AWG UNLESS NOTED OTHERWISE.

2. = TWIST

PROPERTY
PENNSYLVANIA R.R.

CHARGERS & BATTERIES

DESIGNED BY: WJK 07-14-23		
DRAWN BY: WAB 07-14-23		
CHECKED BY: PEH 07-19-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
IN SERVICE: JN 07-03-24	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
	YORK SECONDARY	REV. 1
	CADD or DWG. No. 13320052.005	SHEET 5 No.

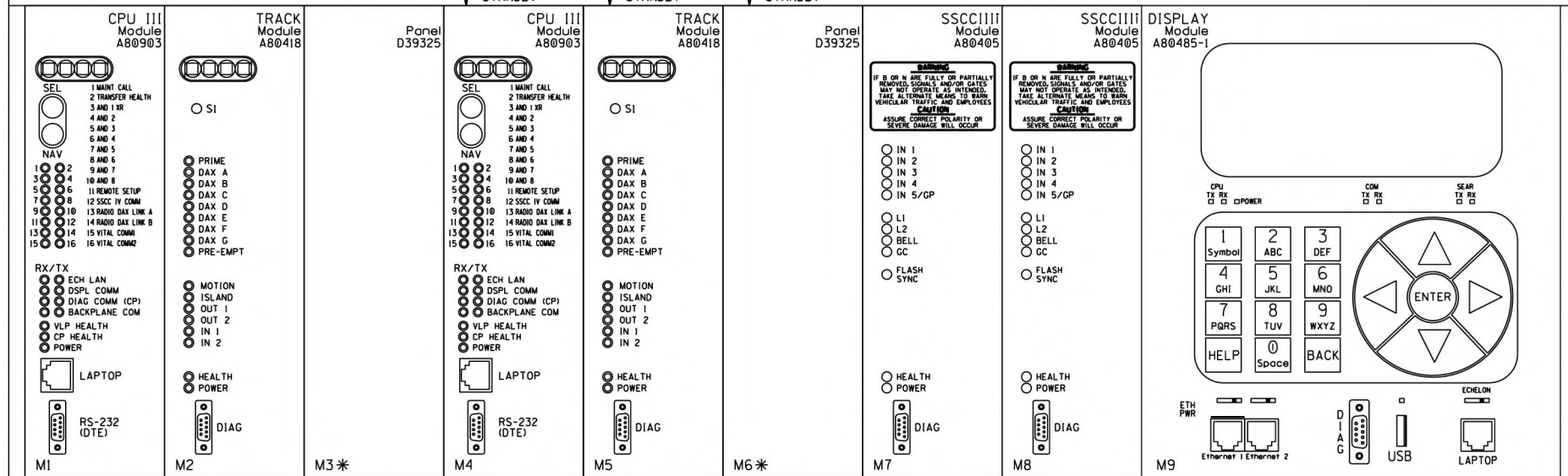


WARNING
REMOVAL OF THE SSCIII MODULE WILL CAUSE THE GATE(S) TO DROP WITHOUT GATE DELAY AND FLASHING LIGHTS WILL NOT ACTIVATE.

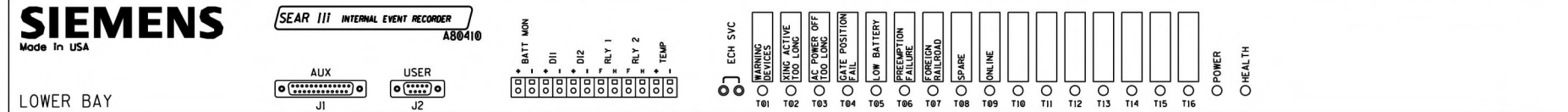
CAUTION
ENSURE CORRECT POLARITY OF B AND N FOR SSCIII MODULE OR SEVERE DAMAGE WILL OCCUR.
REFER TO DETAILED INSTRUCTIONS ON THE SSCIII BEFORE APPLYING POWER TO THE POWER CONNECTOR(S).

GRADE
CROSSING
PREDICTOR
MODEL 4000
Dual 2 Track System

SIEMENS
Made In USA



* = MAIN & STANDBY MAY USE RIO IN TRACK 2 SLOTS (M3 & M6)



GCP4000 CHASSIS & MODULE LAYOUT

DESIGNED BY: WJK 07-14-23	NS NORFOLK SOUTHERN	
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
PROPERTY PENNSYLVANIA R.R.	CADD or DWG. No. 13320052.006	SHEET 6

Program Report

Location and SIN

DOT Number: 501487V
Milepost Number: YX-5.21
Site Name: SR 921 (MAPLE ST.)

SIN: 755048722416

MCF and Template Selection

MCF Name: GCP-T6X-02-1.mcf
MCF Revision: 021
MCFCRC: 6076E435

Template = 1A:6 Trk B1

Check Numbers

Office Check No. (DT 4.6.0): 12903265
Office Check Number: 12903265
Config. Check Number: 0DE8BA2C
(Based on MCF Revision 021)

Comments

Program

BASIC: module configuration
Track 1 Slot = Track
Track 2/RIO 1 Slot = Not Used
Track 3 Slot = Not Used
Track 4 Slot = Not Used
Track 5/RIO 2 Slot = Not Used
Track 6/RIO 3 Slot = Not Used
SSCC-1 Slot = SSCC3i
SSCC-2 Slot = SSCC3i
SEAR Used = Yes

BASIC: MS/GCP operation
Track 1: MS/GCP Operation = Yes

BASIC: island operation
Track 1: Island Used = Internal

BASIC: preemption
Preempt Logic = No

BASIC: radio Dax links
Radio DAX link A Used = No
Radio DAX link B Used = No

BASIC: VitalComms links
VitalComms link 1 Used = No
VitalComms link 2 Used = No

PREDICTORS: track 1
Track 1: Prime Used = Yes
Track 1: Dax A Used = No
Track 1: Dax B Used = No
Track 1: Dax C Used = No
Track 1: Dax D Used = No
Track 1: Dax E Used = No
Track 1: Dax F Used = No
Track 1: Dax G Used = No

GCP: track 1
Track 1: GCP Freq Category = Standard
Track 1: GCP Frequency = 156 Hz
Track 1: Approach Distance = 1720 ft
Track 1: Uni/Bi/Sim-Bidirnl = Bidirnl
Track 1: GCP Transmit Level = Medium
Track 1: Island Connection = Isl1
Track 1: Island Distance = 173 ft
Track 1: Computed Distance = 1900 ft
Track 1: Linearization Steps = 100

GCP: track 1 enhanced det
Track 1: Inbound PS Sensitivity = Off
Track 1: Speed Limiting Used = Yes
Track 1: Outbound False Act Lvl = Normal
Track 1: Outbound PS Timer = 20 sec
Track 1: Trailing Switch Logic = On
Track 1: Post Joint Detn Time = 15 sec
Track 1: Adv Appr Predn = No
Track 1: Cancel Pickup Delay = This Isl

GCP: track 1 prime
Track 1: Prime Warning Time = 30 sec
Track 1: Prime Offset Distance = 0 ft
Track 1: Switch MS EZ Level = 10
Track 1: Prime MS/GCP Mode = Pred
Track 1: Prime Pickup Delay = 15 sec
Track 1: Prime UAX = Not Used

GCP: track 1 pos start
Track 1: Positive Start = Off
Track 1: Sudden Shnt Det Used = No
Track 1: Low EZ Detection Used = No

GCP: track 1 MS Control
Track 1: MS/GCP CtrlIP Used = No
Track 1: MS Sensitivity Level = 0
Track 1: Compensation Level = 1300
Track 1: Warn Time-Ballast Comp = High
Track 1: Low EX Adjustment = 39
Track 1: Bidirnl Dax Passthru = No
Track 1: False Act on Train Stop = No
Track 1: EX Limiting Used = Yes
Track 1: EZ Correction Used = Yes

ISLAND: track 1
Track 1: Isl Frequency = 10.0 kHz
Track 1: Pickup Delay (2s +) = 0 sec
Track 1: Isl Enable IP Used = No

AND: track Anding
AND 1 XR Used = Yes
AND 2 Used = No
AND 3 Used = No
AND 4 Used = No
AND 5 Used = No
AND 6 Used = No
AND 7 Used = No
AND 8 Used = No

AND: AND 1 XR
AND 1 XR Track 1 = Prime
AND 1 Enable Used = Yes
And 1 Enable Pickup = 5 sec
AND 1 Enable Drop = 0 sec
AND 1 Wrap Used = No

ADVANCED: MS restart
MS/GCP Restart Used = No

ADVANCED: out of service
OOS Control = Display+OOS IPs
OOS Timeout = Yes
OOS Timeout = 1 hrs

ADVANCED: out of service 2
T1 OOS Control = OOS Input 1

ADVANCED: track wrap circuits
Wrap LOS Timer = 5 sec
Track 1 Wrap Used = No

ADVANCED: trk 1 overrides
Track 1: All Predictors Override Used = No

ADVANCED: OR logic
OR 1 Used = No
OR 2 Used = No
OR 3 Used = No
OR 4 Used = No

ADVANCED: internal I/O 1
Pass Thrus = No
Int.1 Sets = Not Used
Int.1 Set by = Not Used
Int.2 Sets = Not Used
Int.2 Set by = Not Used
Int.3 Sets = Not Used
Int.3 Set by = Not Used
Int.4 Sets = Not Used
Int.4 Set by = Not Used


ADVANCED: internal I/O 2
Int.5 Sets = Not Used
Int.5 Set by = Not Used
Int.6 Sets = Not Used
Int.6 Set by = Not Used
Int.7 Sets = Not Used
Int.7 Set by = Not Used
Int.8 Sets = Not Used
Int.8 Set by = Not Used

ADVANCED: internal I/O 3
Int.9 Sets = Not Used
Int.9 Set by = Not Used
Int.10 Sets = Not Used
Int.10 Set by = Not Used
Int.11 Sets = Not Used
Int.11 Set by = Not Used
Int.12 Sets = Not Used
Int.12 Set by = Not Used

ADVANCED: internal I/O 4
Int.13 Sets = Not Used
Int.13 Set by = Not Used
Int.14 Sets = Not Used
Int.14 Set by = Not Used
Int.15 Sets = Not Used
Int.15 Set by = Not Used
Int.16 Sets = Not Used
Int.16 Set by = Not Used

ADVANCED: site options
Daylight Savings = On
Units = Standard
Maint CallRpt IP Used = No
Emergency Activate IP = No
EZ/EX Logging = Change
EZ/EX Point Change = 3

GCP4000 PROGRAMMING

DESIGNED BY:			
WJK 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.:	YX-5.21
DRAWN BY:	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)		
WAB 07-14-23			
CHECKED BY:			
PEH 07-19-23	YORK SECONDARY		REV. 1
IN SERVICE:			SHEET 7
JN 07-03-24	CADD or DWG. No.	13320052.007	

PROPERTY
PENNSYLVANIA R.R.

SSCC
 Gates Used = No
 Min Activation = 0 sec
 Rmt Activation Cancel = 2 min
 BellOn Gate Rising = No
 Mute BellOn Gate Down = No
 SSCCIV Controller Used = No

SSCC: 1
 SSCC-1 Activation = AND 1 XR
 SSCC 1:Flash Rate = 40
 SSCC 1:Low Battery Detection = No
 SSCC 1:Flash Sync = master
 SSCC 1:Invert Gate Output = No
 SSCC 1:Lamp NeutralTest = Off
 Aux-1 Xng CtrlUsed = No

SSCC: 2
 SSCC-2 Activation = AND 1 XR
 SSCC 2:Flash Rate = 40
 SSCC 2:Low Battery Detection = No
 SSCC 2:Flash Sync = slave
 SSCC 2:Invert Gate Output = No
 SSCC 2:Lamp NeutralTest = Off
 Aux-2 Xng CtrlUsed = No

OUTPUT: assignment page 1
 OUT 1.1 = Not Used
 OUT 1.2 = Not Used

INPUT: assignment page 1
 IN 1.1 = AND 1 XR Enable
 IN 1.2 = Not Used

IO: assignment SSCC
 OUT GC 1 = Not Used
 OUT GC 2 = Not Used
 IN 7.1 = Not Used
 IN 7.2 = Not Used
 IN 7.3 = AND 1 XR Enable
 IN 7.4 = Not Used
 IN 7.5 = Not Used
 IN 8.1 = Out Of Service IP 1
 IN 8.2 = Not Used
 IN 8.3 = Not Used
 IN 8.4 = Not Used
 IN 8.5 = Not Used

SEAR
 SEAR Subnode = 3
 DI 1 = Not Used
 DI 2 = Not Used
 Rly 1 = General1
 Rly 2 = Not Used

SEAR: inputs
 SP 2.1 = POK 1
 SP 3.1 = Not Used
 SP 4.1 = Not Used
 SP 5.1 = Not Used
 SP 6.1 = Not Used

SEAR: slot 1-4 inputs
 IN 1.2 = Not Used
 IN 2.1 = Not Used
 IN 2.2 = Not Used
 IN 3.1 = Not Used
 IN 3.2 = Not Used
 IN 4.1 = Not Used
 IN 4.2 = Not Used

SEAR: inputs slot 5
 IN 5.1 = Not Used
 IN 5.2 = Not Used

SEAR: inputs slot 6
 IN 6.1 = Not Used
 IN 6.2 = Not Used


SEAR: slot 7-8 inputs
 IN 7.1 = Not Used
 IN 7.2 = Not Used
 IN 7.4 = Not Used
 IN 7.5 = Not Used
 IN 8.2 = Not Used
 IN 8.3 = Not Used
 IN 8.4 = Not Used
 IN 8.5 = Not Used

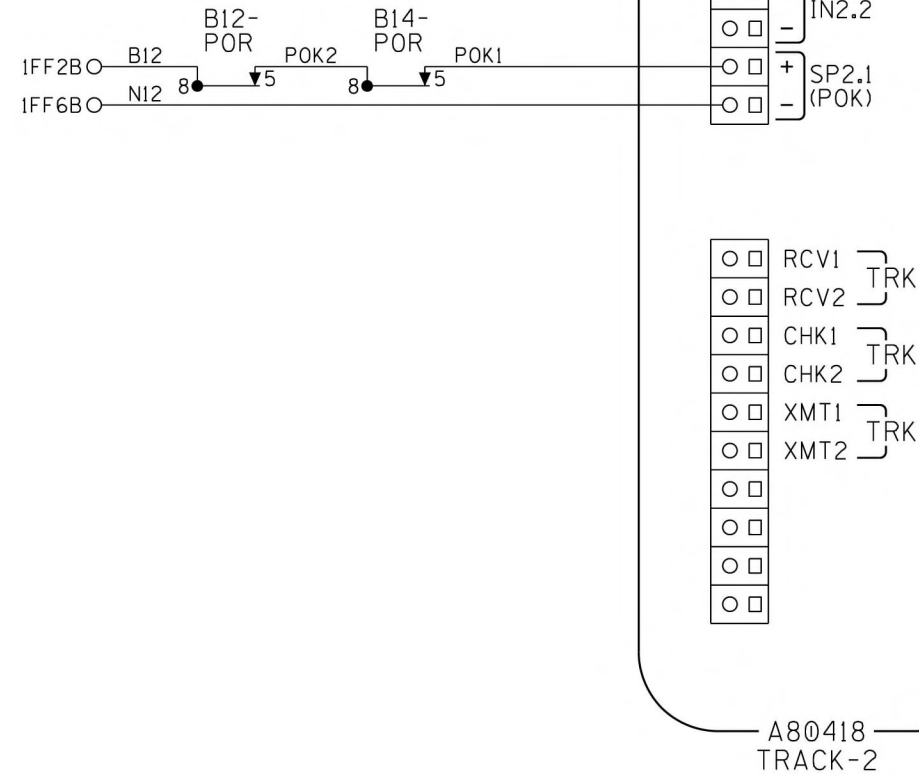
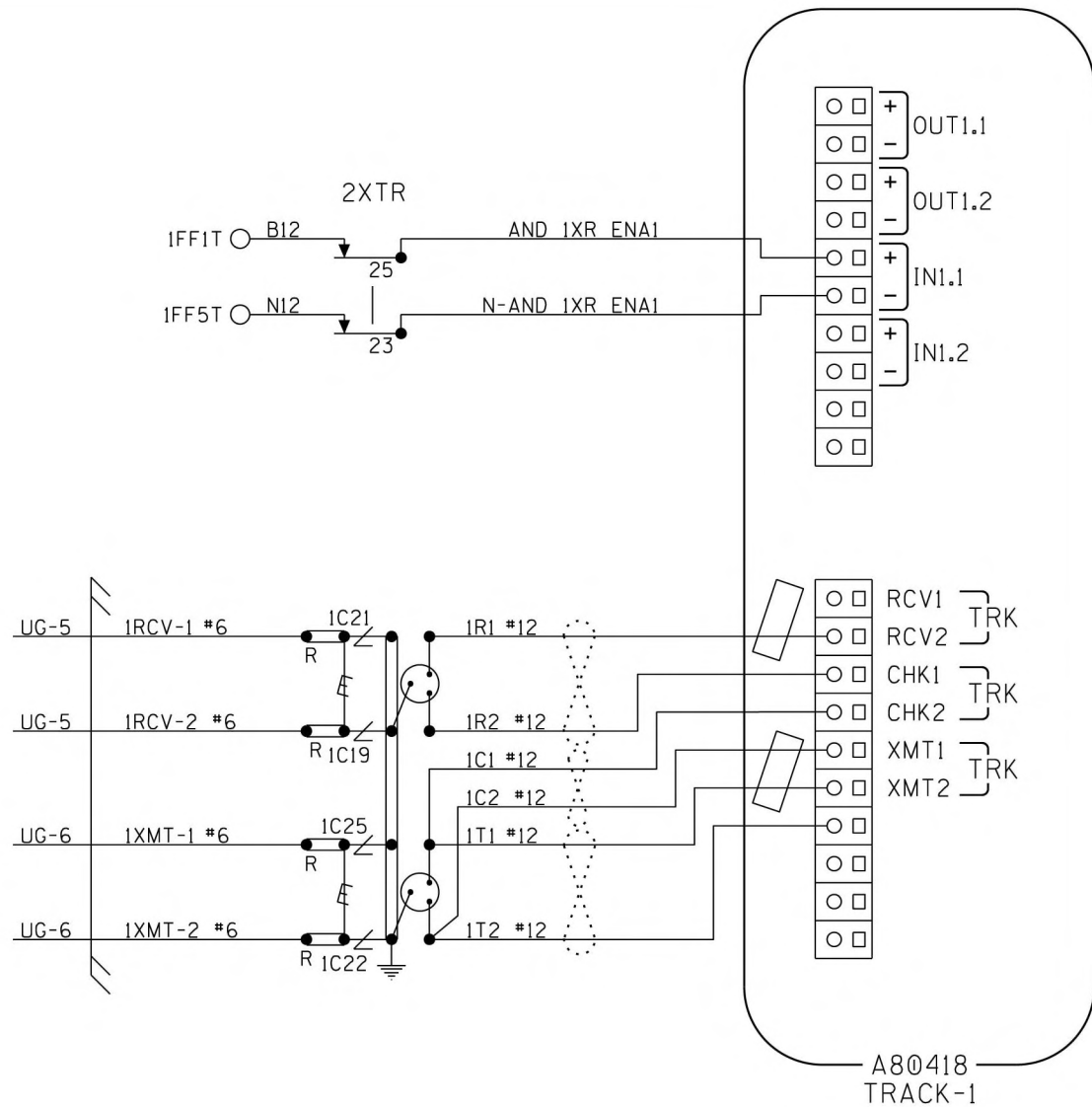
SITE: programming
 Radio Subnode = 1
 Field Password = Off
 Low Battery Enabled = Off

Configuration Package File

 Filename: 13320052.PAC

GCP4000 PROGRAMMING

DESIGNED BY:			
WJK 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.:	YX-5.21
DRAWN BY:	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)		
WAB 07-14-23	YORK SECONDARY		REV. 1
CHECKED BY:	CADD or DWG. No. 13320052.008		
PEH 07-19-23	IN SERVICE:		SHEET 8
JN 07-03-24	PROPERTY PENNSYLVANIA R.R.		



NOTES:

1. ALL WIRING TO BE *16AWG UNLESS NOTED OTHERWISE.

2. = TWIST

3. = FERRITE BEAD

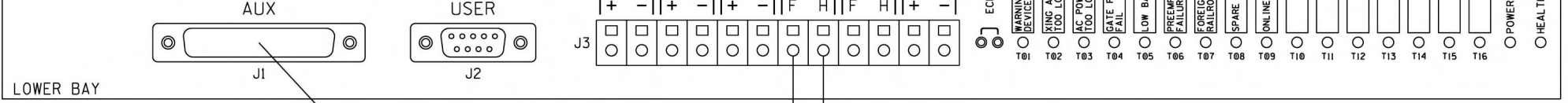
CONNECTORS FOR TRACK MODULES

DESIGNED BY: WJK 07-14-23		
DRAWN BY: WAB 07-14-23		
CHECKED BY: PEH 07-19-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
IN SERVICE: JN 07-03-24	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
PROPERTY PENNSYLVANIA R.R.	YORK SECONDARY	REV. 1
	CADD or DWG. No. 13320052.009	SHEET 9 No.

SIEMENS
Made in USA

SEAR III INTERNAL EVENT RECORDER

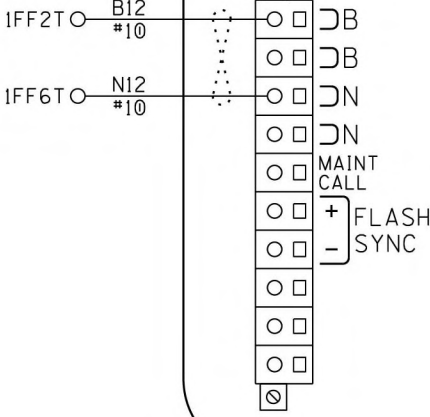
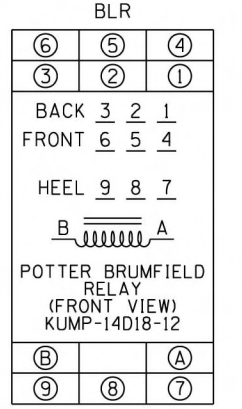
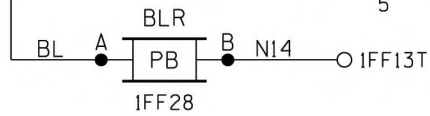
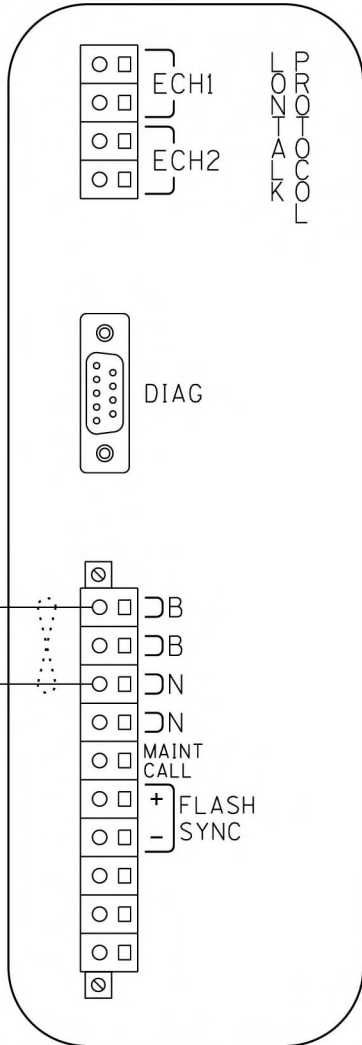
A80410



LOWER BAY

TO RADIO SHEET 12

TO SHEET 5



CPU

- NOTES:
1. ALL WIRING TO BE #16AWG UNLESS NOTED OTHERWISE.
 2. = TWIST

CPU MODULE & SEAR III HOOK-UP

DESIGNED BY: WJK 07-14-23		
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
PROPERTY PENNSYLVANIA R.R.	CADD or DWG. No. 13320052.010	SHEET No. 10

SITE SET UP PROCEDURE	
FUNCTION	LED DISPLAY
DATE/TIME	
AUTOMATIC DST ADJUSTMENT	NO
TIMEZONE	OTHER (USER SET)
GMT OFFSET	+00:00
SITE NAME	SR 921 (MAPLE ST.)
MILEPOST	YX-5.21
DOT#	501 487V
TESTER TYPE	CROSSING
DATE FORMAT	MM-DD-YYYY
TEMP. FORMAT	FARENHEIT
INDICATE HOLD (SEC)	0
INDICATE REFRESH (SEC)	60
GEO CTL PERIOD (SEC)	0
SITE ATCS ADDRESS	7.550.487.224.03.01
SITE TYPE	COLLECTOR
# OFFICE ATCS ADDRESS	2.550.01.3876
# POLL ID	1
# MODE	GEN/ATCS
# WAMS XID	DISABLED
# OFFICE COMM DEVICE	RAILLOGIC
# RAILLOGIC PORT	AUX
# OUR RADIO ID	REMEDY STATES REMOTE RADIO ID
# DEST RADIO ID	REMEDY STATES RADIO ID
# MAX RETRIES	3
# RETRY WAIT	5
# NXT PKT DELAY	3
# MUTE TIMER	10
★ USER PORT BAUD	57600
★ USER PORT DATA BITS	8
★ USER PORT PARITY	NONE
★ USER PORT STOP BITS	1
★ USER PORT FLOW CONTROL	NONE
AUX PORT BAUD	19200
★ AUX PORT DATA BITS	8
★ AUX PORT PARITY	NONE
★ AUX PORT STOP BITS	1
★ AUX PORT FLOW CONTROL	NONE

CONTROL SYSTEM CONFIGURATION MENU QUESTIONS	
THE QUESTION	SELECT FROM MENU OPTION
RESET NAMES AND MODULES?	YES
RAILROAD NUMBER?	550
CROSSING CONFIGURATION?	NORMAL
AND1 USED AS XR?	YES
AND2 USED AS XR?	NO
AND3 USED AS XR?	NO
AND4 USED AS XR?	NO
AND5 USED AS XR?	NO
AND6 USED AS XR?	NO
AND7 USED AS XR?	NO
AND8 USED AS XR?	NO
* XR CONTROLLED BY FOREIGN RR?	NO
ENTRANCE GATES?	0
85% VOLTAGE RELAY OUT?	YES
BATTERY BANKS?	2
BATT MON USED?	NO
** LOW BATTERY 1 PERCENTAGE?	85%
** LOW BATTERY 2 PERCENTAGE?	85%
** LOW BATTERY 3 PERCENTAGE?	85%
PREEMPTION?	NO
INTERNAL CROSSING CONTROLLERS?	2
EXTERNAL CROSSING CONTROLLERS?	0
VHF COMMUNICATOR?	NO
*** DTMF ACTIVATION?	NO
*** ACTIVATION CODE?	(1-999)
*** ACTIVATION TIMEOUT?(SECONDS)	(30-600)
ILOD MODULES?	0
**** VHF VOICE CHANNEL?	(1-8)
**** VHF DATA CHANNEL?	(1-8)
USE CELL MODEM NON-CRITICAL FEATURE?	(NO, YES)
CROSSING ACTIVE ALARM TIME?(MIN)	(0-60)
POWER OFF ALARM TIME?(MIN)	(0-60)

*
**
**
**


NOTES:

1. # = NOT DISPLAYED IF SITE TYPE = NO COMMUNICATION
2. ★ = USE DEFAULT SETTINGS
3. * = ONLY DISPLAYED IF CROSSING CONFIGURATION = SPLIT GATE
4. ** = ONLY DISPLAYED IF BATTERY BANKS = 1,2 OR 3
5. *** = ONLY DISPLAYED IF VHF COMMUNICATOR = YES
6. **** = ONLY DISPLAYED IF DTMF

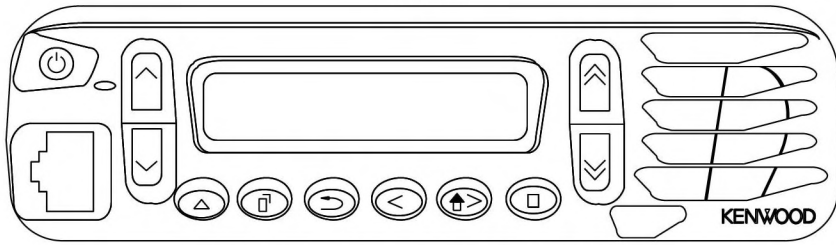
PROGRAM MENU QUESTIONS	PROGRAM
EDIT DIGITAL INPUTS	NO
EDIT BATTERIES	NO
EDIT RELAYS	NO
EDIT INDICATOR LEDS	NO
EDIT TEST LEDS	NO
GCP4K ATCS SUBNODE	16

TO CONFIGURE SEAR III PRESS SITE SETUP KEY.
USE ARROW KEYS TO MAKE SELECTION,
PRESS ENTER AFTER SELECTION HAS BEEN MADE.

SEAR III PROGRAMMING

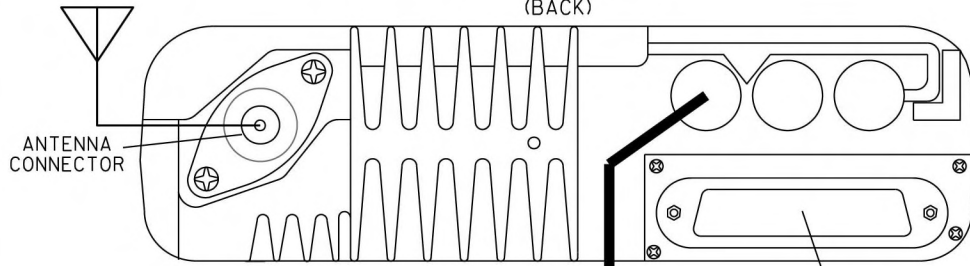
DESIGNED BY: WJK 07-14-23		
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
PROPERTY PENNSYLVANIA R.R.	CADD or DWG. No. 13320052.011	SHEET No. 11

(FRONT)



KENWOOD RADIO NX-700H
OR EQUIVALENT

(BACK)



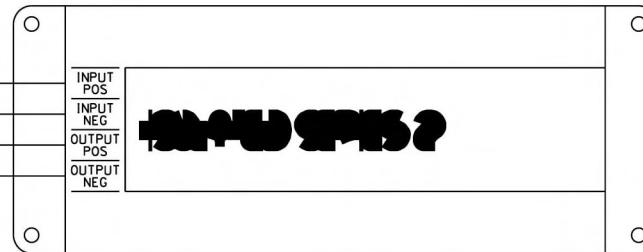
ANTENNA
CONNECTOR

IDD14

DB25M - DB25M
STRAIGHT THROUGH CABLE } TO
SEAR III
SHEET 10

CABLE - KENWOOD
P/N E30-7520-15

1FF4T ○ B12
1FF8T ○ N12
B12
N12



1DD4

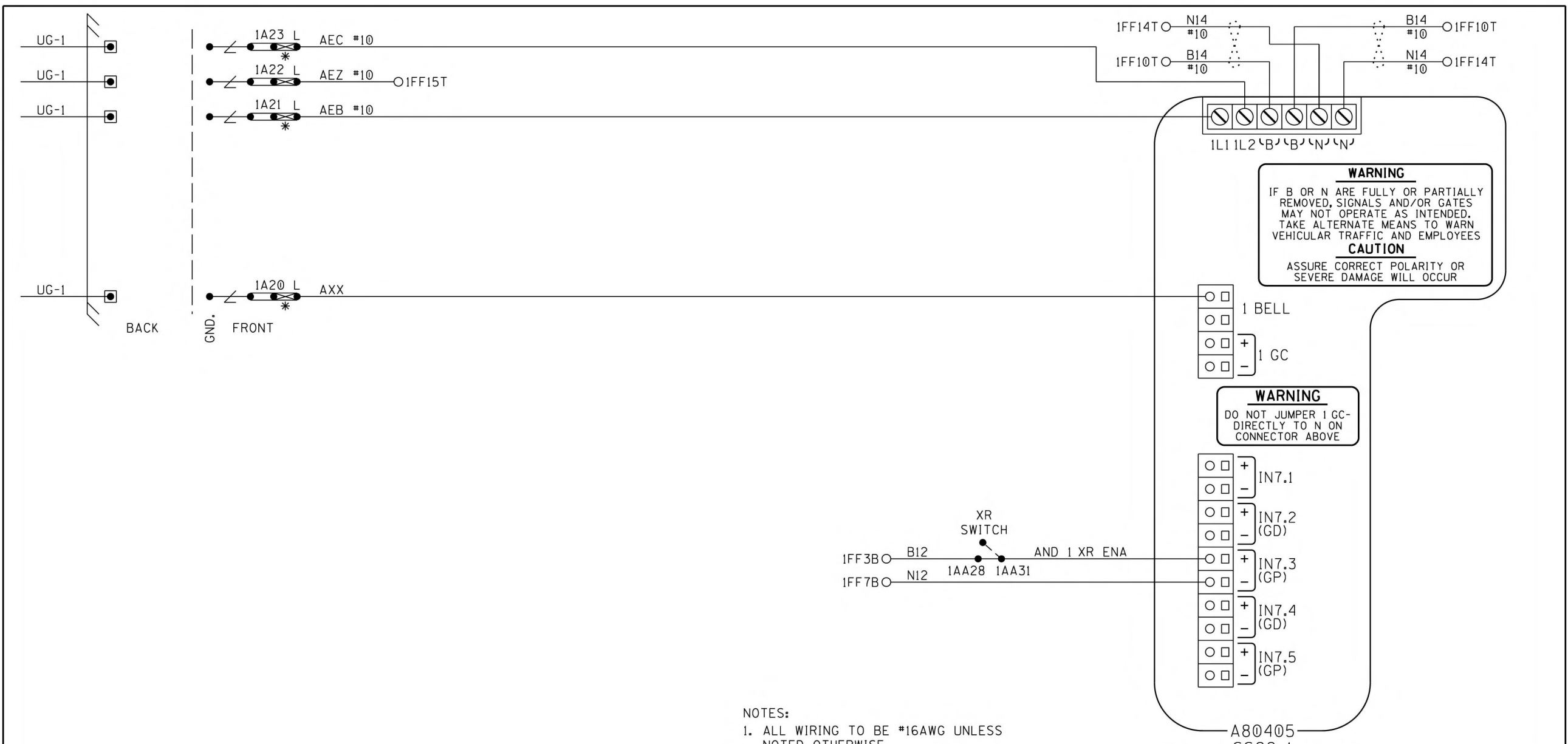
NOTE:

- 1. ALL WIRING TO BE #10AWG UNLESS NOTED OTHERWISE.

PROPERTY
PENNSYLVANIA R.R.

BACKHAUL EQUIPMENT

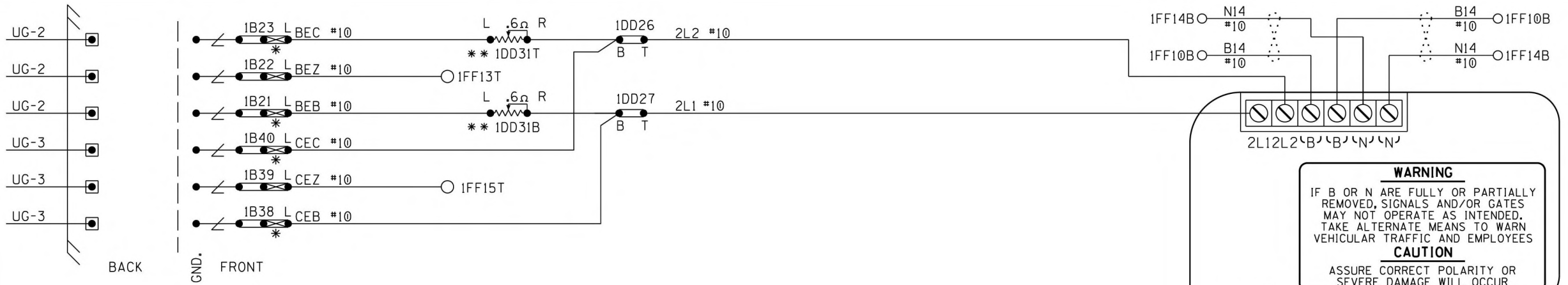
DESIGNED BY: WJK 07-14-23		
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
	CADD or DWG. No. 13320052.012	SHEET 12 No.



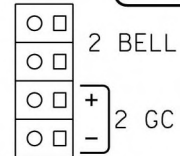
- NOTES:
1. ALL WIRING TO BE #16AWG UNLESS NOTED OTHERWISE.
 2. * = TEST LINKS MUST BE OPENED TEMPORARILY FOR COLD START OF NEW OR REPLACEMENT SSSC MODULE AND CAN ONLY BE CLOSED IN SEQUENCE WITH MFR. INSTRUCTION; APPENDIX C OF GCP 4000 REFERENCE MANUAL.
 3. = TWIST

PROPERTY
PENNSYLVANIA R.R.

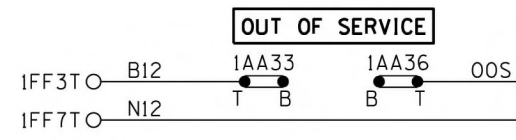
DESIGNED BY: WJK 07-14-23		
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
	CADD or DWG. No. 13320052.013	SHEET 13



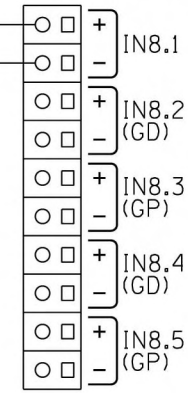
WARNING
 IF B OR N ARE FULLY OR PARTIALLY REMOVED, SIGNALS AND/OR GATES MAY NOT OPERATE AS INTENDED. TAKE ALTERNATE MEANS TO WARN VEHICULAR TRAFFIC AND EMPLOYEES
CAUTION
 ASSURE CORRECT POLARITY OR SEVERE DAMAGE WILL OCCUR



WARNING
 DO NOT JUMPER 2 GC-DIRECTLY TO N ON CONNECTOR ABOVE



OUT OF SERVICE

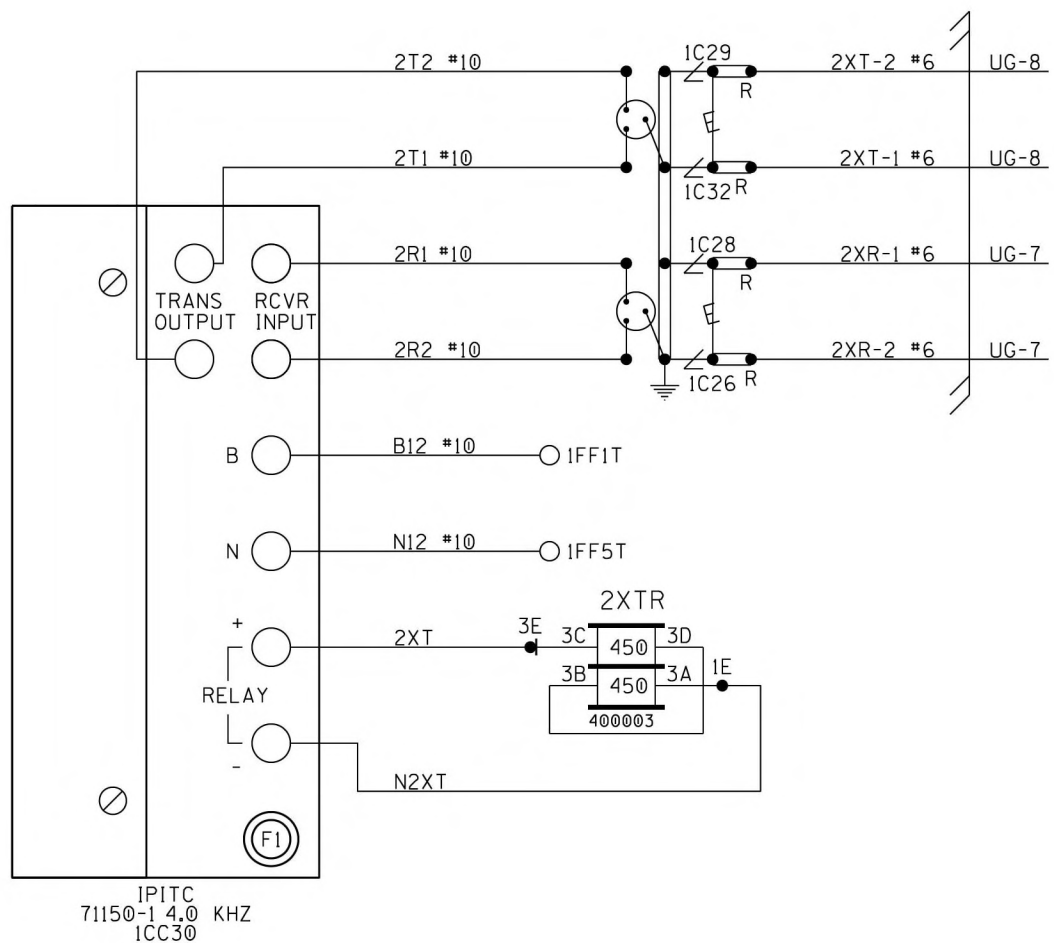


A80405
 SSCC-2
 SSCC#2 MODULE HOOK-UP

- NOTES:
1. ALL WIRING TO BE #16AWG UNLESS NOTED OTHERWISE.
 2. * = TEST LINKS MUST BE OPENED TEMPORARILY FOR COLD START OF NEW OR REPLACEMENT SSCC MODULE AND CAN ONLY BE CLOSED IN SEQUENCE WITH MFR. INSTRUCTION; APPENDIX C OF GCP 4000 REFERENCE MANUAL.
 3. ** = RESISTORS TO BE INSTALLED TO LAMPS WITH SHORTEST CABLE RUN
 4. ⋯ = TWIST


PROPERTY
 PENNSYLVANIA R.R.

DESIGNED BY: WJK 07-14-23	NS NORFOLK SOUTHERN	
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
	CADD or DWG. No. 13320052.014	SHEET 14 No.




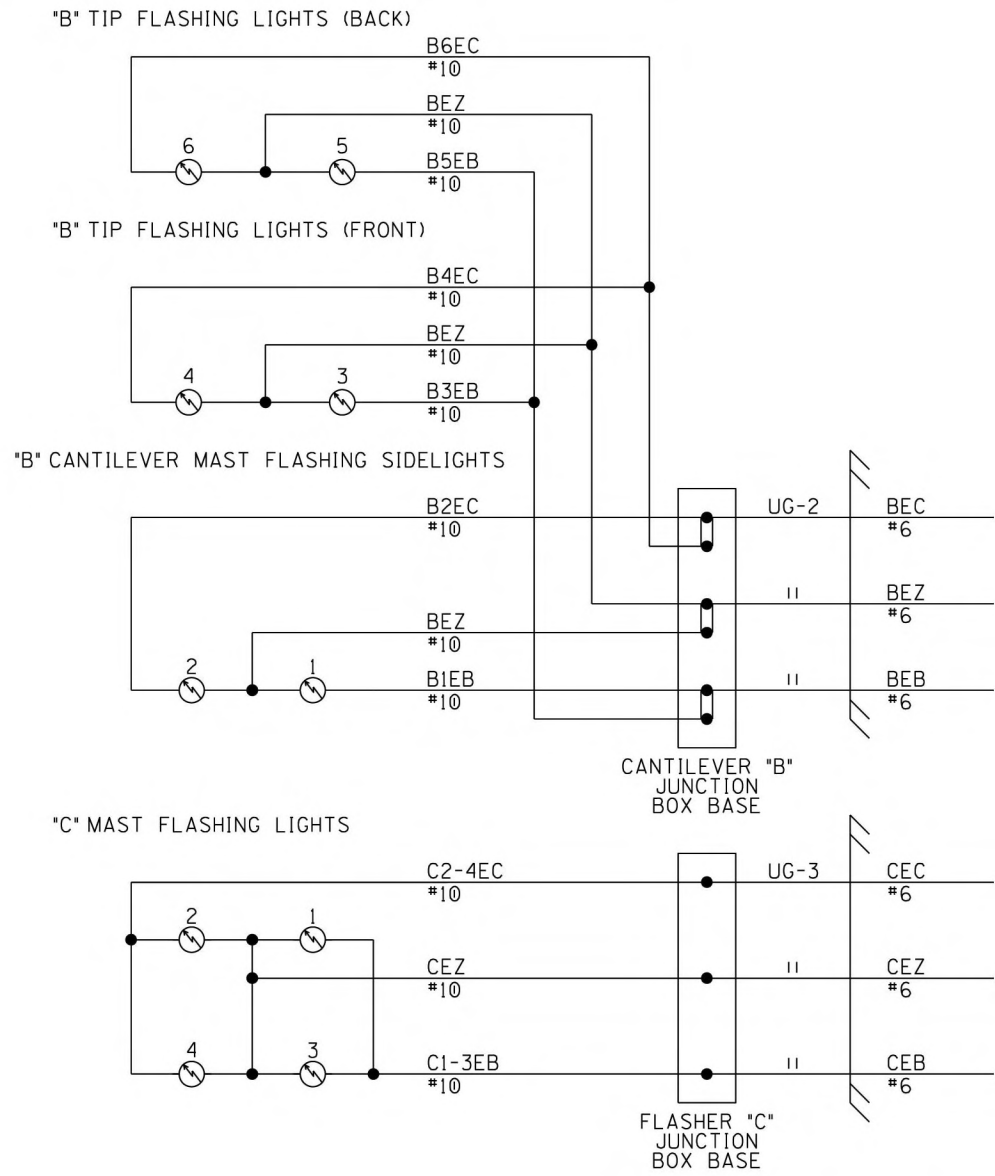
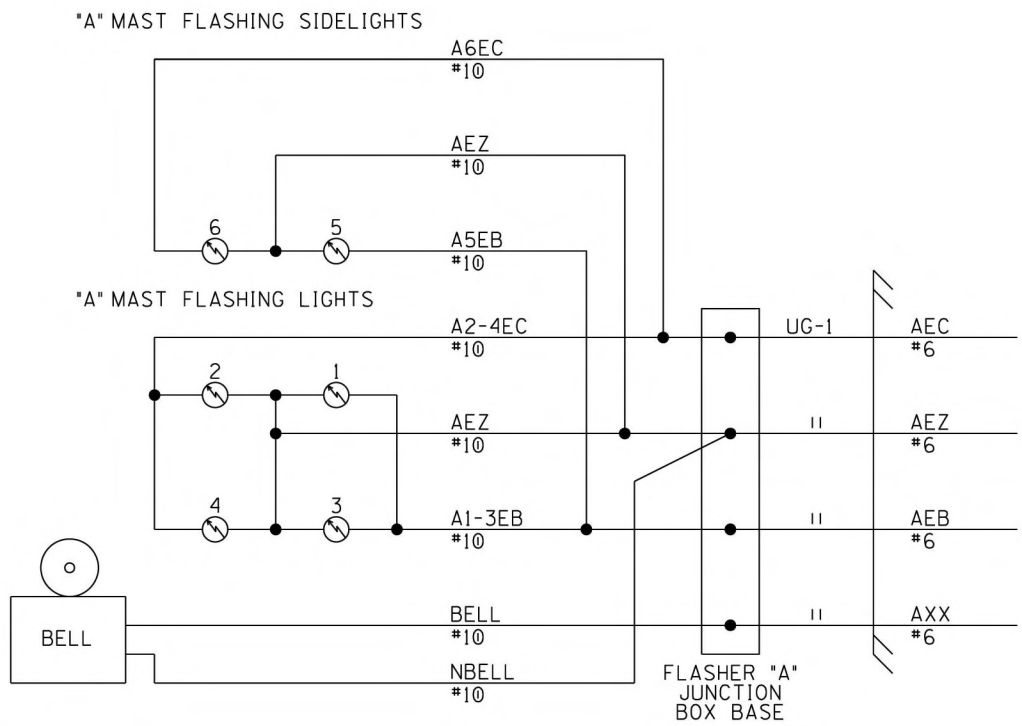
NOTES:

1. ALL WIRING TO BE #16AWG UNLESS NOTED OTHERWISE.

2.  = TWIST

IPITC AND 2XTR

DESIGNED BY:		
WJK 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
DRAWN BY:	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
WAB 07-14-23	YORK SECONDARY	REV. 1
CHECKED BY:	CADD or DWG. No. 13320052.015	
PEH 07-19-23	IN SERVICE:	SHEET No. 15
JN 07-03-24	PROPERTY PENNSYLVANIA R.R.	

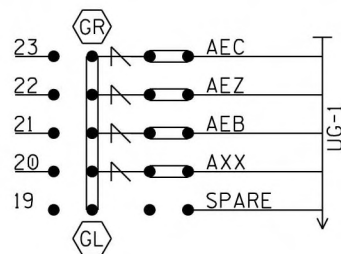


CANTILEVER FLASHER LIGHTS

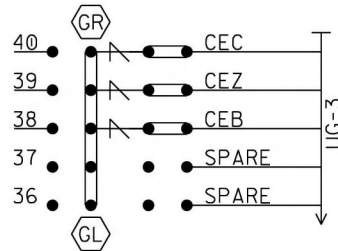
DESIGNED BY:	WJK 07-14-23		
DRAWN BY:	WAB 07-14-23		
CHECKED BY:	PEH 07-19-23	IN SERVICE:	JN 07-03-24
PROPERTY			PENNSYLVANIA R.R.
OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.		M.P.:	YX-5.21
MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)			
YORK SECONDARY		REV.	1
CADD or DWG. No.	13320052.016	SHEET	16

TERMINAL BOARD

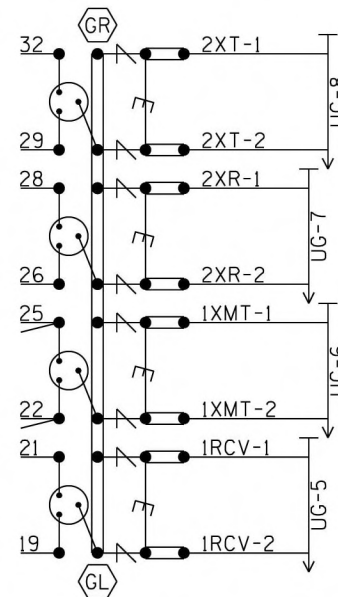
"1A"



"1B"



"1C"



SEE FARADAY SHIELD DETAILS - 1A & 1B FOR HOW THIS PORTION OF THE FARADAY SHIELD IS PREDRILLED. ONLY INSTALL AND USE THE TERMINALS NEEDED.

⚡ = Heavy Duty Equalizer (022700-1X)

⚡ = ERICO Lightning Arrester (P/N EPD2050F)

Ⓞ = TERMINALS GROUNDED TO SHIELD. 4 POST BLOCKS USE EITHER - GR - SERMMI PART NO. 61278 GL - SERMMI PART NO. 61278-1.

Ⓞ = LPC-10560-51

NOTES:

1. INSTALL TEST LINKS ON ALL TRACK WIRES AND ON ALL LOW VOLTAGE UNDERGROUND CABLE TERMINATIONS.
2. SPARES TO BE TAPED & COILED

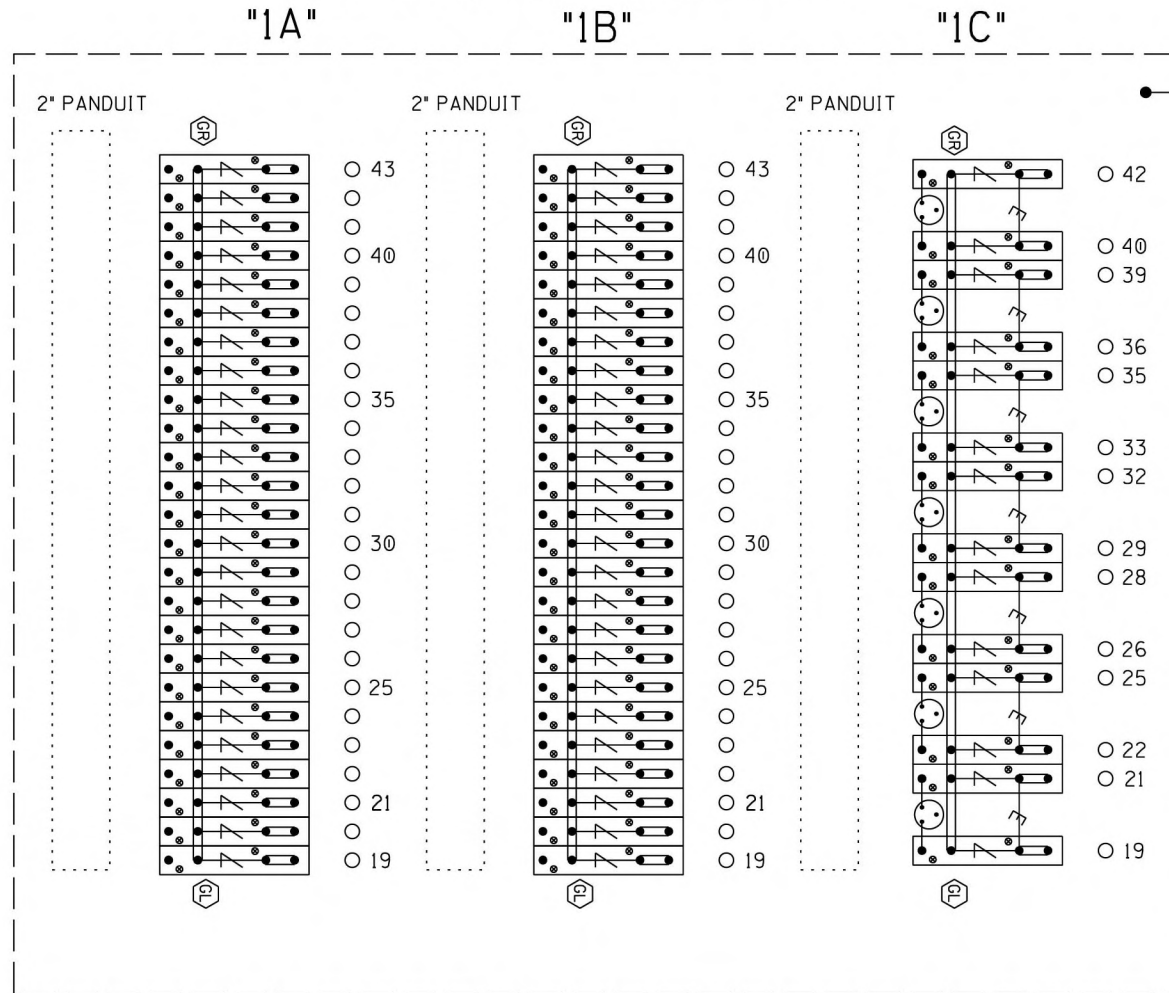
BACKBOARD 1A, 1B & 1C

DESIGNED BY:			
WJK 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT	M.P.:	YX-5.21
DRAWN BY:	COMM. & SIGNAL, ATLANTA, GA.		
WAB 07-14-23	MT WOLF BOROUGH, PA		
CHECKED BY:	CFLS AT SR 921 (MAPLE ST)		
PEH 07-19-23	YORK SECONDARY		REV. 1
IN SERVICE:	CADD or DWG. No.	13320052.017	SHEET 17
JN 07-03-24	No.		

PROPERTY PENNSYLVANIA R.R.

TERMINAL BOARD
 AREA BELOW IS SCALED WITH AS=.75

NOTE: IF THE FARADAY SHIELD WOULD EVER NEED TO BE DRILLED IN THE FIELD, PROPER PRECAUTIONS MUST BE TAKEN TO INSURE METAL SHAVINGS DO NOT GET INTO EXISTING TERMINALS/WIRES.



⚡ = Heavy Duty Equalizer (022700-1X)

ERICO
 ∠ = Lightning Arrester (P/N EPD2050F)

⊙ = LPC-10560-51

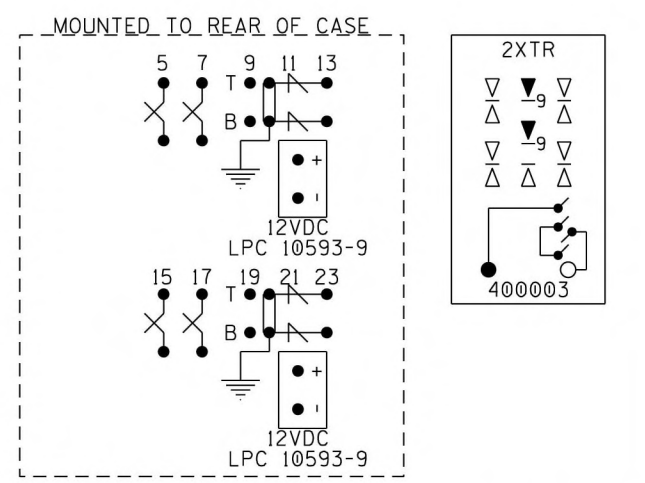
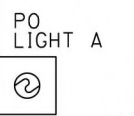
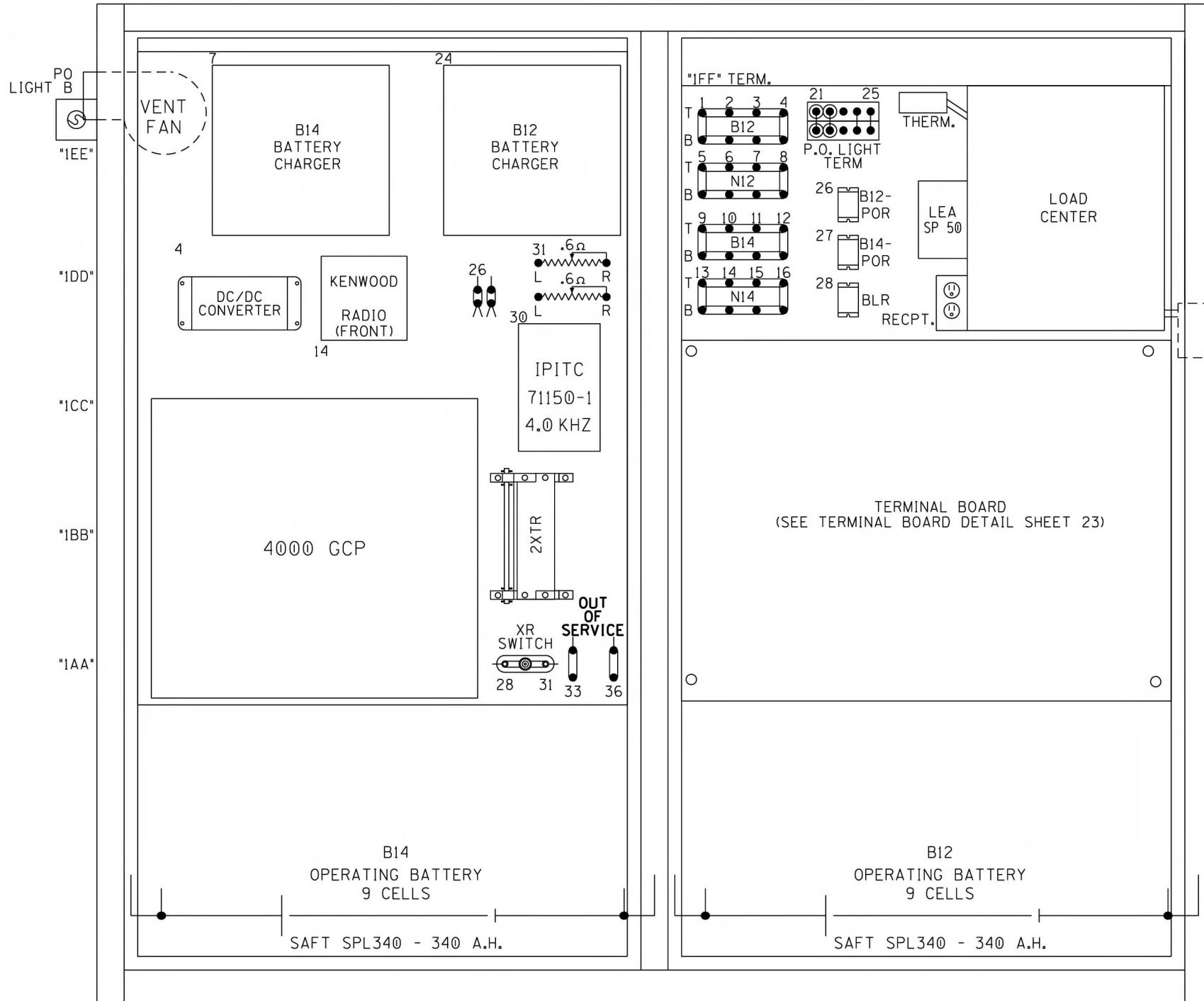
Ⓜ = TERMINALS GROUNDED TO SHIELD.
 4 POST BLOCKS USE EITHER -
 GR - SERMMI PART NO. 61278
 GL - SERMMI PART NO. 61278-1.

⋮ = INDICATES PLACEMENT OF PANDUIT

THIS SHEET IS FOR REFERENCE ONLY, TO REFLECT HOW THE FARADAY SHIELD IS PREDRILLED. ONLY INSTALL AND USE THE TERMINALS NEEDED.

TERMINAL BOARD
 FARADAY SHIELD DETAIL

DESIGNED BY: WJK 07-14-23	NS NORFOLK SOUTHERN	
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
PROPERTY PENNSYLVANIA R.R.	CADD or DWG. No. 13320052.018	SHEET No. 18



SAFETRAN ALSTOM (GRS) RELAY
CROSS REFERENCE LIST
SAFETRAN ALSTOM (GRS)
400003 - A62-308

NOTE: REMOVE RELAY BARS AND ADD PLYWOOD FOR MOUNTING EQUIPMENT.



6' - 9" CASE
PLACEMENT PLAN

DESIGNED BY: WJK 07-14-23	NS NORFOLK SOUTHERN	
DRAWN BY: WAB 07-14-23	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: YX-5.21
CHECKED BY: PEH 07-19-23	MT WOLF BOROUGH, PA CFLS AT SR 921 (MAPLE ST)	
IN SERVICE: JN 07-03-24	YORK SECONDARY	REV. 1
	CADD or DWG. No. 13320052.019	SHEET No. 19

PROPERTY
PENNSYLVANIA R.R.