

FILE

23

WHEELING & LAKE ERIE RAILWAY COMPANY

Dan Reinsel
Signal & Communication Supervisor

100 East First Street
Brewster, OH 44613

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dreinsel@wlerwy.com

Fax: 330-767-3213

5 March 2009

Mr. Mike Forte
Ohio Rail Development Commission
50 West Broad Street, 15th Floor
Columbus, OH 43215

08-1260-RR-FED

RE: State Route 21, Navarre, Ohio DOT 474-318H

Dear Mr. Forte,

Accompanying this letter are engineering drawings, an installation estimate, and a material cost estimate for the State Route 21 crossing project. I will await approval from the ORDC before ordering the materials.

Estimated cost of crossing system:

Material	\$105,870.46
3 rd party installation (not to exceed)	\$45,000.00
Installation of conduit under roadway	\$5,000.00
Electric service	\$3,000.00
Drainage (culvert renewal & ditching)	\$4,500.00
<u>Railroad labor & track costs</u>	<u>\$2,400.00</u>
Total	\$165,770.46

Respectfully,

Dan Reinsel

Dan Reinsel

PUCO

2009 MAR -6 AM 9:47

RECEIVED-DOCKETING DIV

c: PUCO George Martin
PUCO Docketing

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Technician Date Processed MAR 06 2009

WHEELING & LAKE ERIE RAILWAY

State Route 21, Navarre, Ohio

DOT# 474-318H Nickles Lead, Cleveland Subdivision

WLE BWO Number 42160

Estimate Dated 10-28-2008 Revision: 1.0

Estimate for containerized shipment of crossing materials and shop wiring.

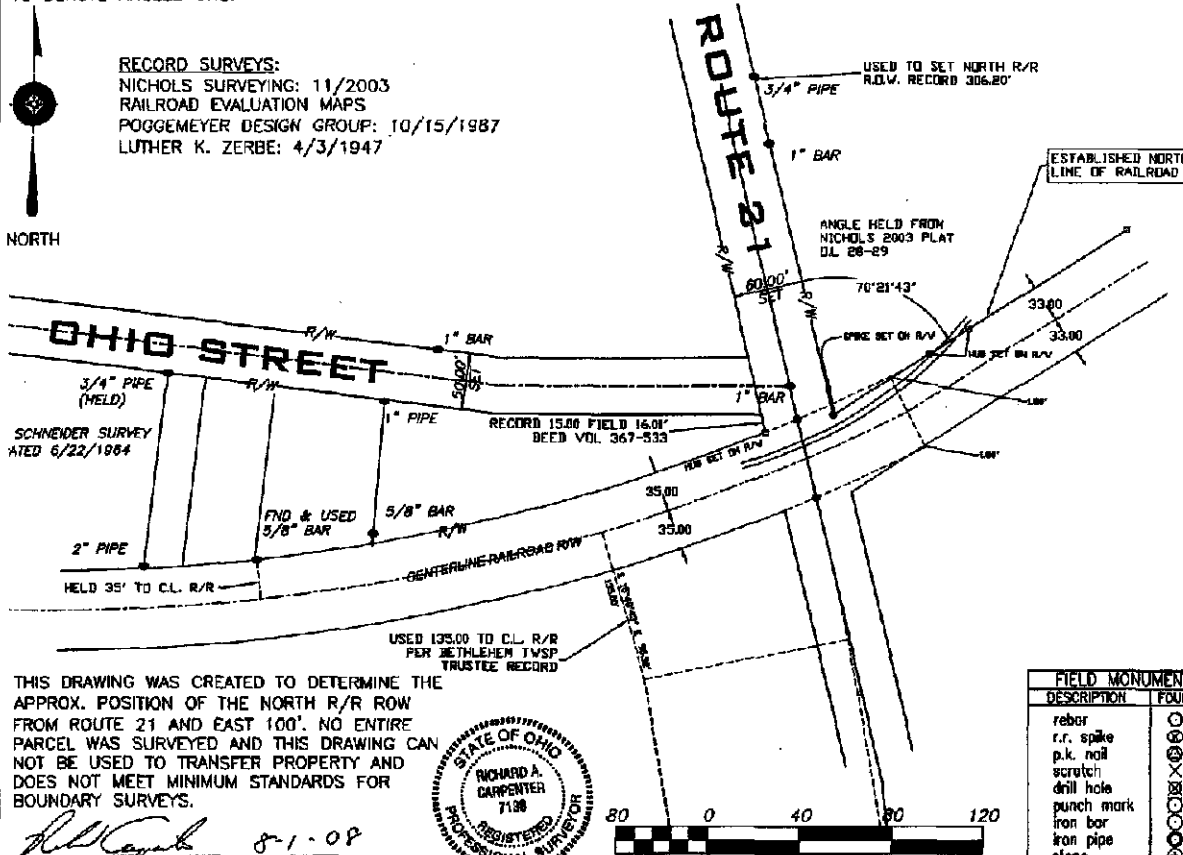
Line #	Qty.	DESCRIPTION OF MATERIALS	Unit Cost	Total Cost
1	1	Bungalow, Alum. 6 X6 w/ Heater & P/N 15320, PTMW	\$11,069.33	\$11,069.33
2	1	Gate Heater Thermostat	\$133.75	\$133.75
4	1	Hoffman Enclosure	\$160.50	\$160.50
5	2	19" X 84" Equipment Rack	\$294.25	\$588.50
6	50	Wrap Around Track Clip, 5/16", P/N A248B, Erico	\$2.33	\$116.63
7	450	Bond Wire, 5/16" X 7", X 1" Tab, P/N SB20136, Erico	\$5.48	\$2,465.28
8	100	Sleeve, Bond, B/S - BS Tab, P/N A2363J, Erico	\$1.17	\$116.63
9	100	Sleeve, Bond, B/S - B/S Tab, P/N A2367J, Erico	\$1.17	\$116.63
10	50	Weld Metal, #25, for 3/16" bonds, PIN SB25, Erico	\$1.90	\$95.23
11	100	Connector, Track, Web of Rail, P/N SBTBBU4A, Erico	\$5.28	\$527.51
12	200	Wire, Track, 3/16" blk, 4/64 (# 6), 500' Bondstrand, P/N SBS8LINSUL, Erico	\$1.11	\$222.56
13	2	Boot Leg Kits, P/N 20359, PTMW	\$106.94	\$213.87
14	350	Wire, Trk, 2C/#6, Twist, Solid, 113-12-3933, Okonite, GE	\$2.26	\$790.20
15	400	Cable, 7/C#6, Armored, 206-11-6247, Okonite, GE	\$9.50	\$3,800.64
16	400	Cable, 7/C#14, Armored, 206-11-6887, Okonite, GE	\$3.31	\$1,322.52
17	125	Cable, 3C#6, Armored, 400999-T00293, Okonite#206-11-6243, GE	\$6.08	\$759.70
18	6	5/8" x 8' Copper Ground Rod P/N 615880, Erico	\$13.90	\$83.40
19	150	Wire, Ground, #8AWG, Bare Copper	\$1.83	\$274.46
20	6	5/8" Ground Rod Weld, 6 #, P/N SBGT11613, Erico	\$10.97	\$65.81
21	6	5/8" Ground Rod Weld, 6#, P/N SBNT1161G, Erico	\$12.68	\$76.08
22	8	Ductseal, per pound	\$5.07	\$30.43
23	1	Tape, 88	\$6.73	\$6.73
24	1	MDSA-1, Motion Detector Surge Arrestor, P/N 250675-001C	\$320.95	\$320.95
25	0	HXP-3R, w/ 4.0 KH-IZ RSI, P/N 250811-2B01, GE	\$20,134.33	\$0.00
26	1	MDA-II With Current Sensors DTMF Radio, Cell Modem and GFD - Comple	\$9,082.51	\$9,082.51
27	0	FSS-1A, Tunable NBS, P/N 250850-000, GE	\$920.78	\$0.00
28	0	FSS-1E, Tunable NBS, P/N 250850-004, GE	\$740.95	\$0.00
29	1	SOLID STATE CROSSING CONTROLLER IIIA (40-Amp)	\$4,252.45	\$4,252.45
30	2	SURGE PANEL W/BATTERY ARRESTORS & EQUALIZER w/ISOLATED	\$673.35	\$1,346.70
31	4	Assembly, 2 point panel	\$41.62	\$166.49
32	10	Arrestor, Air Gap, AGA-1, P/N 202216-001	\$24.43	\$244.28
33	2	Equalizer, Air Gap, AGE-1, P/N 202217-000	\$25.72	\$51.45
34	4	Terminal, 3 point	\$14.15	\$56.58
35	85	Connector, 1" plain, 0223839-2, Safetran	\$0.61	\$51.84
36	6	Connector, 2-3/8", flat connecting link, 023839-1, Safetran	\$0.77	\$4.62
37	16	Nut, insulated 1-3/16", 023408-1X, Safetran	\$4.34	\$69.51
38	2	Terminal, Bakelite, 2-Point, with Hardware, 023612-1X	\$8.05	\$16.09
39	13	Terminal, Multi-unit Model 274, 12 Post Double Row (2x6), 023274-428X, Safetran	\$27.53	\$357.90
40	4	Terminal Strip, Single Row of 12, 12"x1 w/ Hardware, 023390-11X, Safetran	\$28.26	\$113.03
41	400	Binding Nut, PIN 13073-000	\$0.32	\$128.40
42	200	Clamp Nut, P/N 13079-000	\$0.25	\$49.22
43	16	Insulated Nut, 1 3/16", P/N 023408-1X, Safetran	\$15.41	\$246.53
44	500	Washer, P/N 013074-000	\$0.19	\$96.30
45	20	1" Connector, Flat, P/N 32029-007	\$0.73	\$14.55

46	4	12" Connector, Flat, P/N 32248-002	\$2.07	\$8.26
47	150	Gold Test Nut, P/N 13296-001	\$0.80	\$120.38
48	150	1' Test Link, Flat, P/N 32257-002	\$2.01	\$301.74
49	1000	Wire, Case, #14AWG, Blue, P/N 152-11-3024, Okonite	\$0.21	\$214.00
50	1000	Wire, Case, #10AWG, Blue, P/N 152-11-3038, Okonite	\$1.23	\$1,230.50
51	100	Wire, Case, #6AWG, Green	\$0.96	\$96.30
52	150	Wire, Case, #6AWG, Black	\$0.96	\$144.45
53	150	Wire, Case, #6AWG, Red	\$0.96	\$144.45
54	50	Terminal, Ring, 1/4", 18-22	\$0.29	\$14.45
55	250	Terminal, Ring, 1/4", 10-12	\$0.34	\$85.60
56	30	Terminal, Ring, 1/4", 6	\$0.71	\$21.19
57	24	Terminal, Ring, 3/8", 6, Battery Lug	\$0.83	\$20.03
58	4	Relay Socket for Miniature Relay, P/N 5X852-6, Grainger	\$6.11	\$24.44
59	4	12 AMP Miniature Relay, P/N 1A484-3, Grainger	\$22.06	\$88.25
60	2	Plug, Locking, 15 A, P/N 6C578, Grainger	\$23.58	\$47.17
61	30	Cord, SO 3C/14, P/N 142985, Home Depot	\$0.70	\$20.87
62	250	Tie-Wrap, 10", Black	\$0.47	\$117.70
63	1	Rectifier, 40 ETC-12V, RECO 12/40	\$798.59	\$798.59
64	1	Rectifier, 40 ETC-12V, RECO 12/40	\$798.59	\$798.59
65	19	Battery, NiCad 250 A.H., P/N SPL-250, Saft	\$344.73	\$6,549.92
66	1	Transformer, Chassis Mt, 115/230V, 80VA, 16.0VCT@5.0A, 8.0V@10.0A, I	\$32.96	\$32.96
67	1	Grease, No oxide, PIN 032401-X	\$3.20	\$3.20
68	4	Battery Tray 12"x27", Holds (3) Batteries, P/N 027002-001, J&A	\$57.69	\$230.78
69	500	Labels, Thermal Transfer Ribbon, Hellermann-Tylin, P/N 822	\$0.47	\$235.40
70	1	5 Ohm Resistor POK, Safetran (029602-2X)	\$45.83	\$45.83
71	1	Type 1110 Variable Resistance Unit 5.69 Ohm, P/N 1110-7D, WCH	\$28.90	\$28.90
72	1	Type 1110 Variable Resistance Unit 11.21 ohm, P/N 1110-10-D, WCH	\$30.70	\$30.70
73	8	Lights, 12" LED, RDG P/N	\$337.05	\$2,696.40
74	2	Mast 18/5 & Base & Pole for Gate Mechanism, P/N 511052-0. 20923-03	\$1,180.47	\$2,360.93
75	1	Pinnacle, 5", P/N 110-A-8, WCH	\$19.10	\$19.10
76	2	Crossarm, 12" Flasher Heads, Assmby, No LED, P/N 517G1-G2-206 WCH	\$1,326.33	\$2,652.66
77	2	Gate, Model S-40, w/ Left & Right Gate Arm, Safetran	\$5,802.75	\$11,605.50
78	2	Counterweight Package, 24', P/N 070755-238G, Safetran	\$1,928.31	\$3,856.62
79	2	Gate Mechanism Neater for Model 40 Gate Mechanism,	\$126.05	\$252.09
80	2	Gate Arm, 24' Alum Base, Dia Grade Sheeting, P/N 38-2506-24, WCH	\$470.27	\$940.53
81	2	Wind Bracket, 36' Elephant Tusk, P/N 2010-001-01, RDG	\$103.36	\$206.72
82	1	Bell, Electronic, 5" Base, P/N EB-3-360-5, GSI	\$271.25	\$271.25
83	2	Sign, Railroad Crossing, Diamond Grade Sheeting, P/N 035200-17DXD	\$235.08	\$470.16
84	2	Gate Light, Set 3. LED, Easy Gate	\$216.57	\$433.14
85	2	Gate Keeper, Right Side of Rd. w/Hardware & Buffer Spring, P/N SK-100-2	\$2,177.45	\$4,354.90
86	5	Locks, Master, WLE, P/N 1C347, C/B	\$21.99	\$109.94
87	1	Decals, House and DOT#'s Flasher Mast	\$200.09	\$200.09
88	2	Fndn, Concrete, 48', 5" Mast, w/ Lev Nuts, P/N	\$520.02	\$1,040.04
89	4	Terminal, Block Kit, w/ 14-24 AAR Hardware, P/N B2J00A2C1WH, Erico	\$25.70	\$102.81
90	1	Terminal Board Strip, 36", P/N B2700F-1C36T, Erico	\$41.87	\$41.87
91	0	Shunt Enhancer, DC, P/N 880049, Safetran	\$3,094.80	\$0.00
92	1	S.M.T.C. Island Module	\$4,387.00	\$4,387.00
		Total:		\$82,775.16

Line #	Qty.	Summary of Estimate	Unit Cost	Total Cost
1	1	SUBTOTAL MATERIAL:	\$82,775.16	\$82,775.16
2	1	FREIGHT:		\$7,568.12
3	1	INBOUND FRIEGHT:		\$2,419.36
4	1	SYSTEM DESIGN & DOCUMENTATION:		\$3,500.00
5	1	WIRING LABOR:		\$5,862.00
6	1	TESTING & SHOP LABOR:		\$2,227.56
7	1	ENGINEERING LABOR:		\$1,518.26
8	1	OUTSIDE SERVICES EXPENSES		
9		PROJECT TOTAL		\$105,870.46

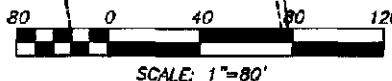
BASIS BEARINGS ARE ASSUMED
TO DENOTE ANGLES ONLY

RECORD SURVEYS:
NICHOLS SURVEYING: 11/2003
RAILROAD EVALUATION MAPS
POGGEMEYER DESIGN GROUP: 10/15/1987
LUTHER K. ZERBE: 4/3/1947



THIS DRAWING WAS CREATED TO DETERMINE THE
APPROX. POSITION OF THE NORTH R/R ROW
FROM ROUTE 21 AND EAST 100'. NO ENTIRE
PARCEL WAS SURVEYED AND THIS DRAWING CAN
NOT BE USED TO TRANSFER PROPERTY AND
DOES NOT MEET MINIMUM STANDARDS FOR
BOUNDARY SURVEYS.

Richard A. Carpenter 8-1-08
RICHARD A. CARPENTER, P.S. DATE
OHIO REGISTERED SURVEYOR NO. 7138



FIELD MONUMENTATION		
DESCRIPTION	FOUND	SET
rebar	⊙	⊙
r.r. spike	⊙	⊙
p.k. nail	⊙	⊙
scratch	⊙	⊙
drill hole	⊙	⊙
punch mark	⊙	⊙
iron bar	⊙	⊙
iron pipe	⊙	⊙
stone	⊙	⊙
mon. box	⊙	⊙

REVISIONS	
No.	Description

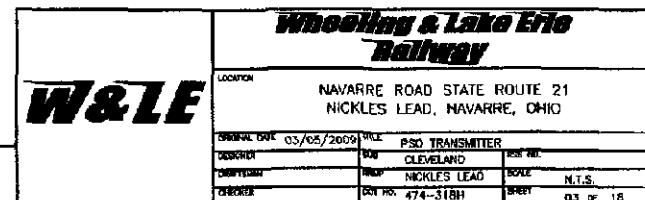
5800 Navarre Road S.W.
Canton, Ohio 44708
Phone (330) 478-3311 Fax
(330) 478-6314
www.accuratetechnologies.com

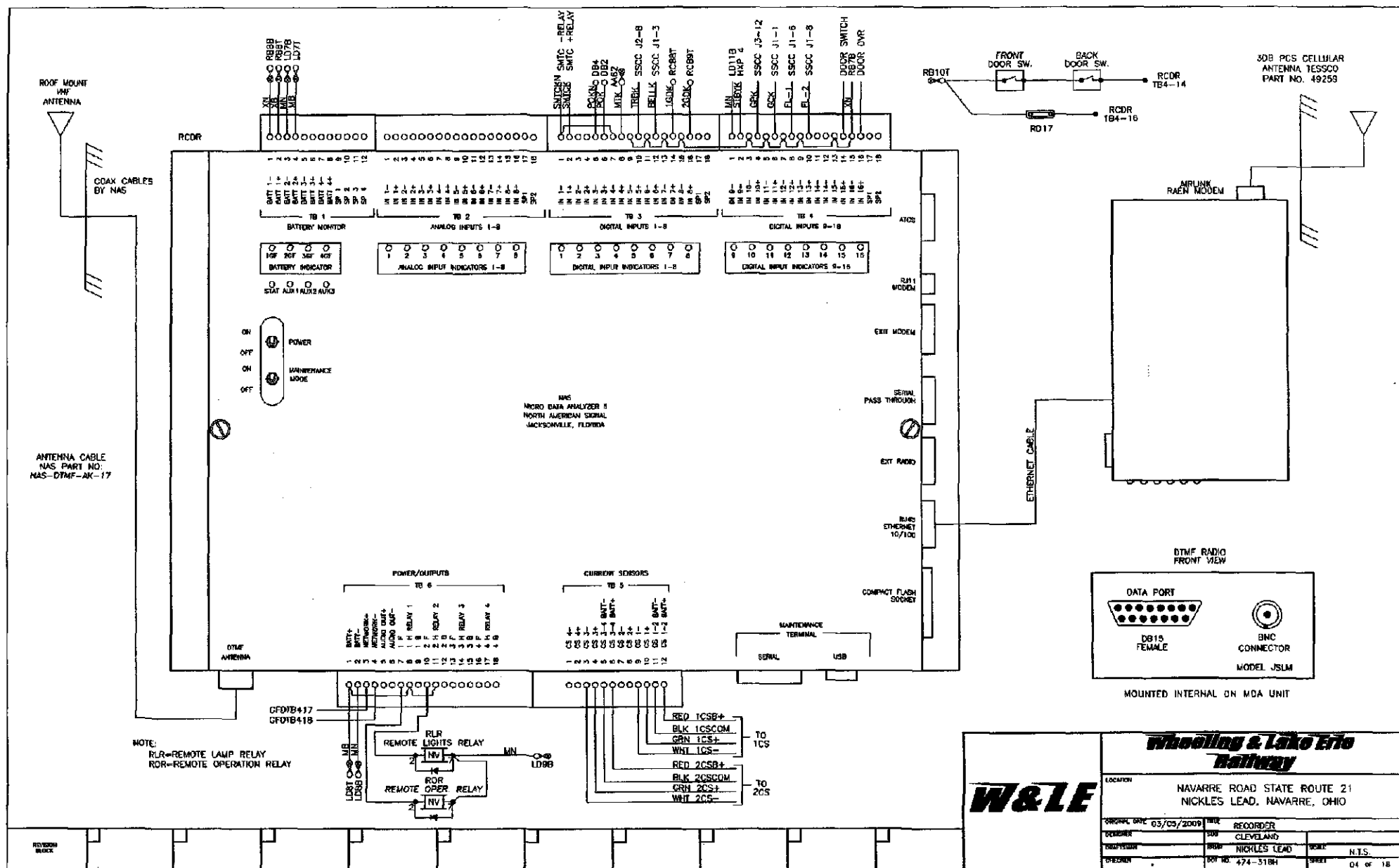
RIGHT-OF-WAY INVESTIGATION
WHEELING & LAKE ERIE RAILWAY
SITUATIONS MAP
STARK COUNTY, OHIO

ACCURATE TECHNOLOGIES
Professional Surveying, Mapping and
Geospatial Information Systems
INDUSTRIAL CONSTRUCTION LAND

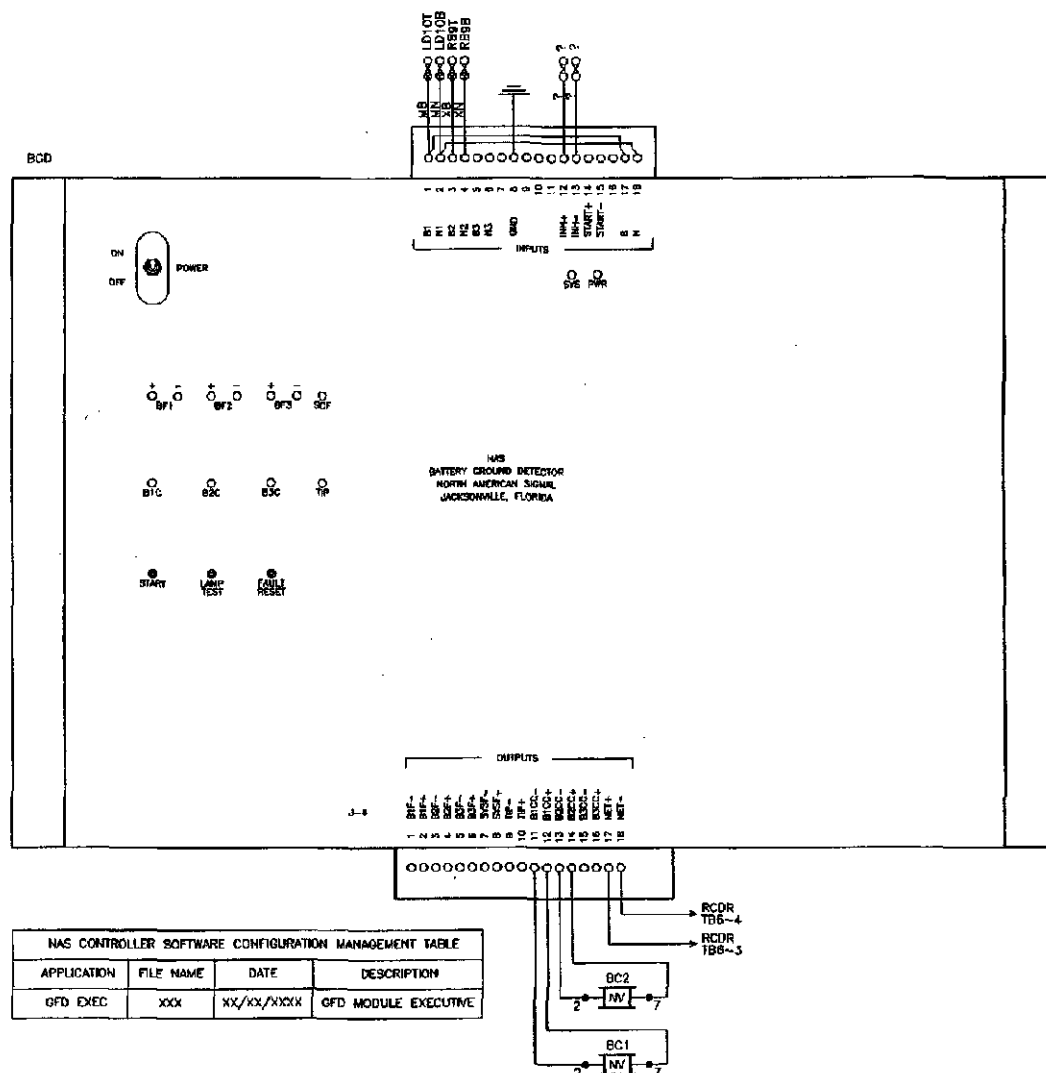
DRAWN BY: DJA	CHECKED BY: RAC
DATE: XX/XX/XX	SCALE: 1"=80'
SURVEYED 7/3/2008	DWG NO. 2008-85
PROJECT NO. 2008-85	
SHEET NO. X of X	

Wheeling & Lake Erie Railway	
LOCATION STATE ROUTE 21, NAVARRE ROAD NAVARRE, OHIO	
DATE 30 JAN 2009	FILE SURVEY INFORMATION
DESIGNER NICHOLS LEAD	SCALE 0.80
CHECKER	DATE 474-315H
	SHEET 02 of 18





BGD



SW1 CURRENT 1/10 MA

POSITION	1	2	3	4	5	6	7	8
CLOSED								
OPEN								

(2 MA)

SWITCH VALUES CLOSED POSITION (BINARY)

SW1 = 1
SW2 = 2
SW3 = 4
SW4 = 8
SW5 = 16
SW6 = 32
SW7 = 64
SW8 = 128

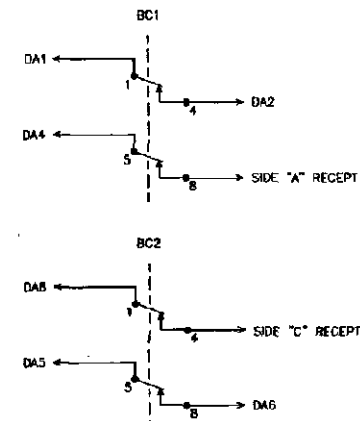
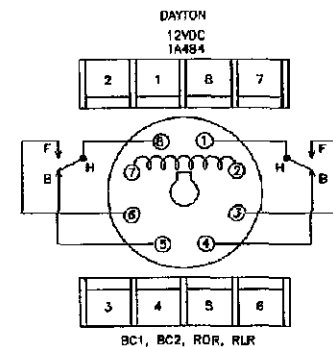
SW1 CURRENT 1/10 MA

POSITION	1	2	3	4	5	6	7	8
CLOSED								
OPEN								

(12 HOURS)

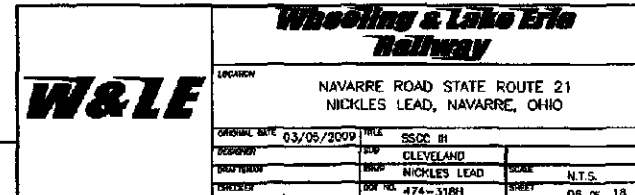
SWITCH VALUES CLOSED POSITION (BINARY)

SW1 = 1
SW2 = 2
SW3 = 4
SW4 = 8
SW5 = 16
SW6 = 32
SW7 = 64
SW8 OPEN=HOUR CLOSED=DAYS

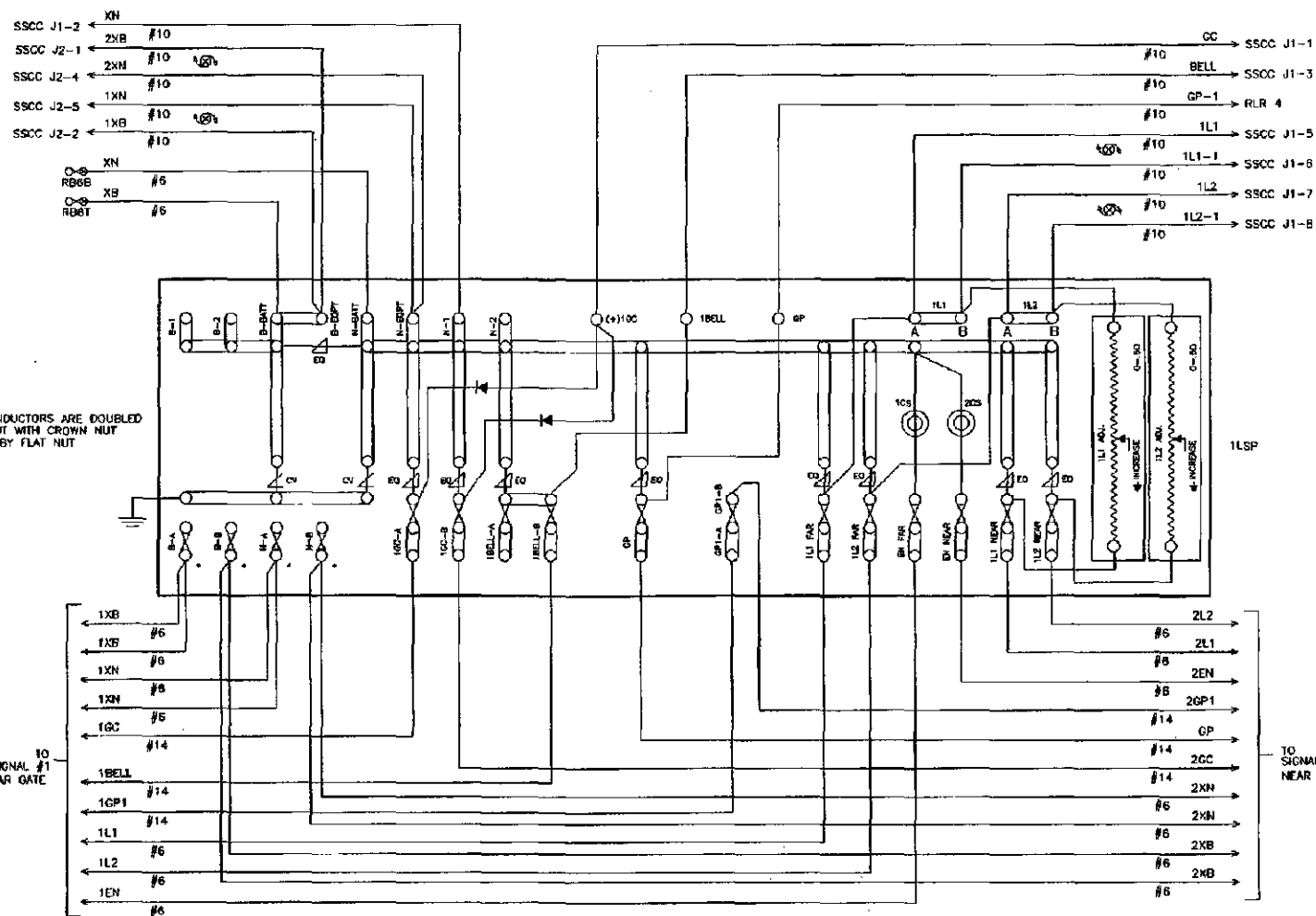


Wheeling & Lake Erie Railway

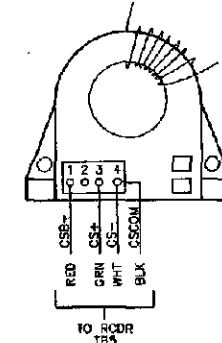
LOCATION			
NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO			
ORIGINAL DATE	03/05/2009	NAME	BGD
DESIGNER	SLM	CLEVELAND	
DRAWN BY	SLM	NICKLES LEAD	SCALE N.T.S.
CHECKED BY	SLM	474-318H	SHEET 05 of 18



* - WHERE CONDUCTORS ARE DOUBLED
DOUBLE NUT WITH CROWN NUT
FOLLOWED BY FLAT NUT



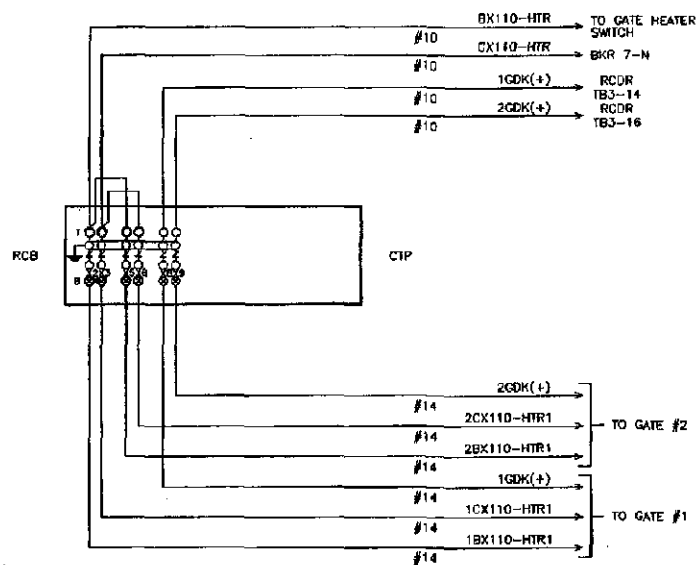
CURRENT SENSOR
#10 EIGHT TURNS PER SENSOR



W&LE

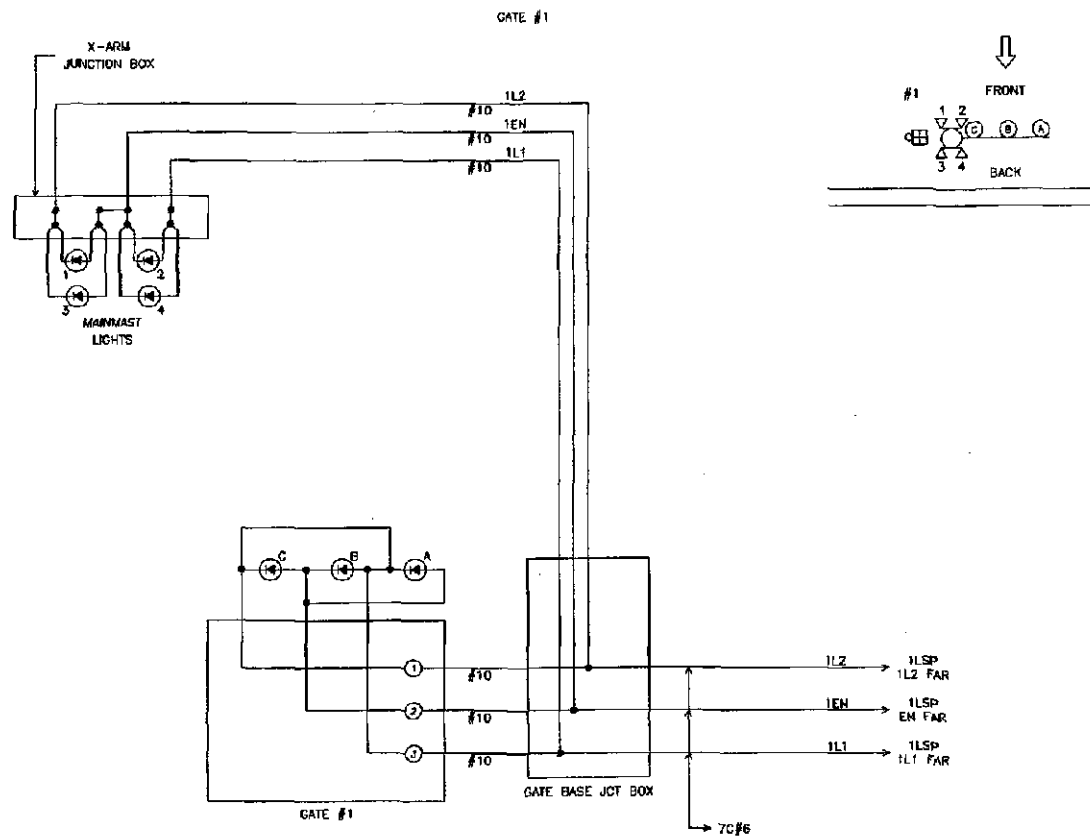
**Whooling & Lake Erie
Railway**

LOCATION	NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO		
DATE	03/06/2009	FILE	11SP
DESIGNER	SW	CLEVELAND	
BY	SW	NICKLES LEAD	SCALE
CHECKED	DOT NO. 474-318H	DATE	07 of 18

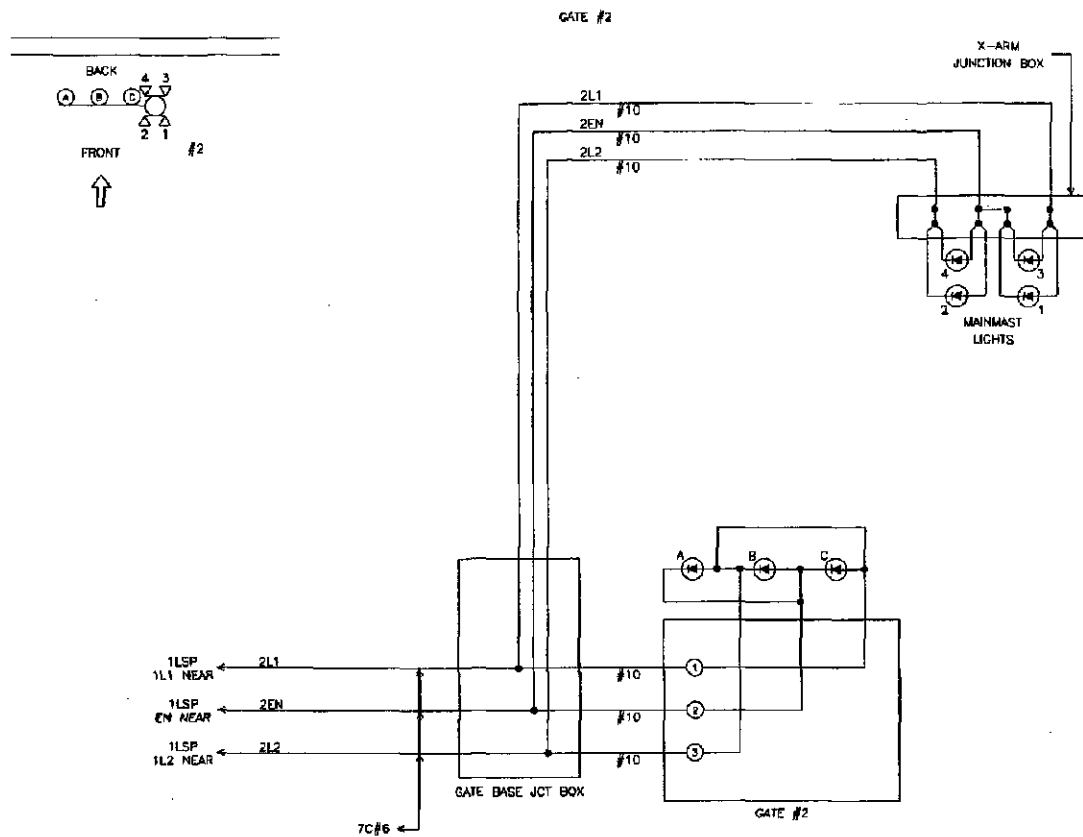


W&LE		Wheeling & Lake Erie Railway	
		LOCATION NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO	
ORIGINAL DATE 03/06/2009 DESIGNED BY DRAWN BY CHECKED BY		TITLE CIP	SCALE N.T.S.
SHEET NO. 474-316H		SHEET 08 of 18	

ADDITIONAL
BLOCKS



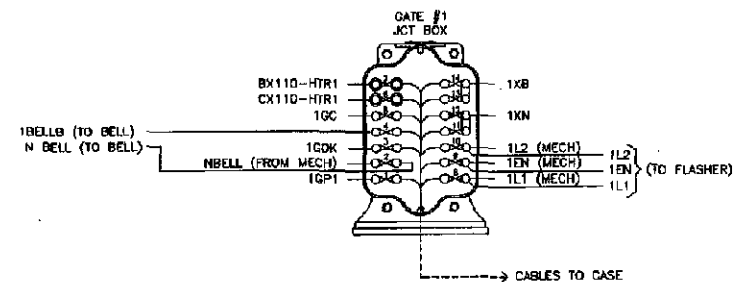
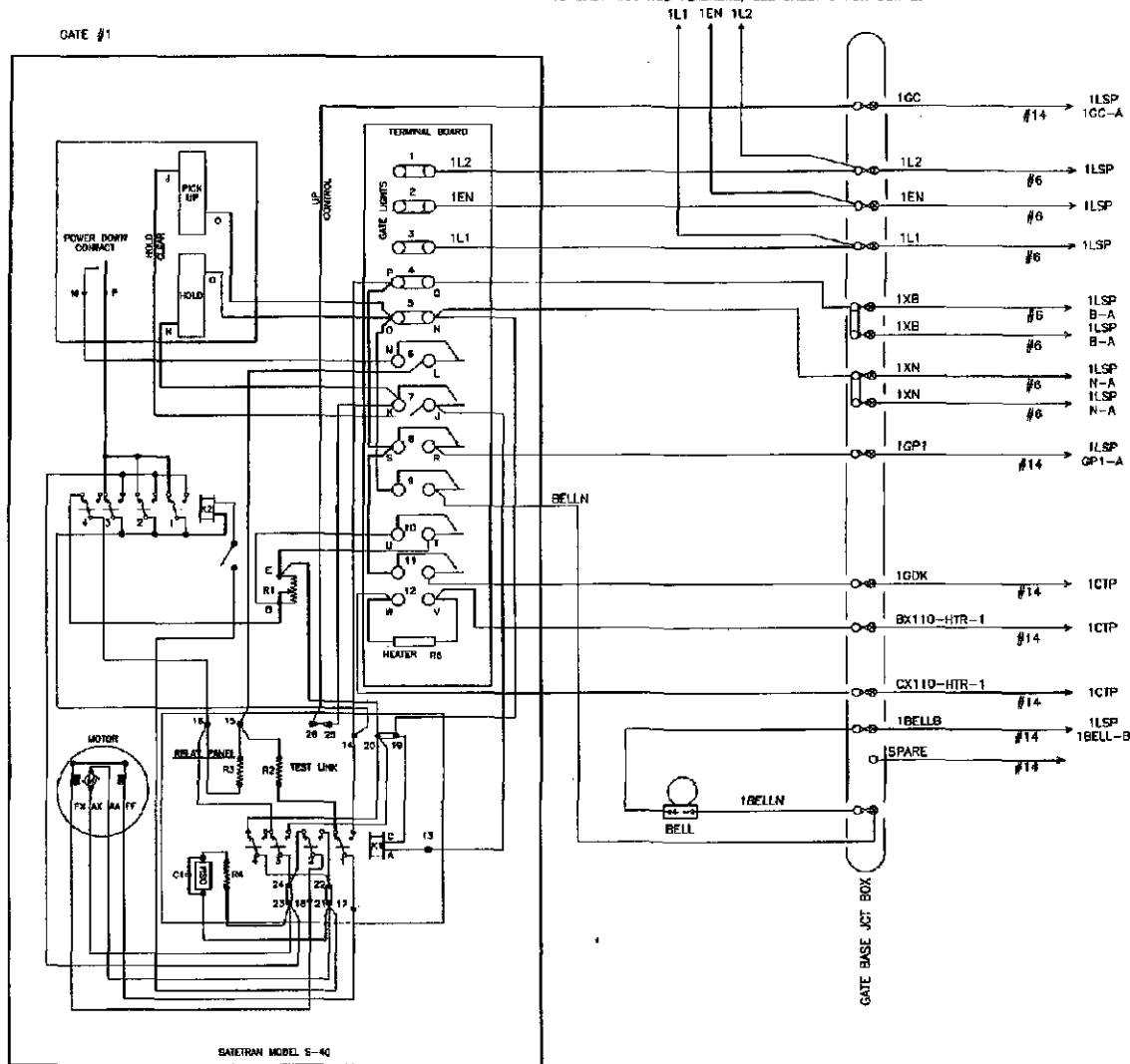
W&LE	Wheeling & Lake Erie Railway		
	LOCATION: NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO		
	ORIGINAL DATE: 03/05/2009	TIME: 11:05	DATE: #1 LIGHTS
	DESIGNER: NLS	CLEVELAND	SCALE: N.T.S.
	DRAWN BY: NICKLES LEAD	DATE: 04/24-31/08	BY: 00 or 18



	Wheeling & Lake Erie Railway		
	LOCATION: NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO		
	ORIGINAL DATE 03/05/2009	TITLE: GATE #2 LIGHTS	
	DRAWN BY: CLEVELAND	DATE: NICKLES LEAD	SCALE: N.T.S.
	DESIGNED BY: 474-318H	SHEET: 10	OF 15

DATE #1

TO MAST MOUNTED FLASHERS, SEE SHEET 9 FOR DETAILS



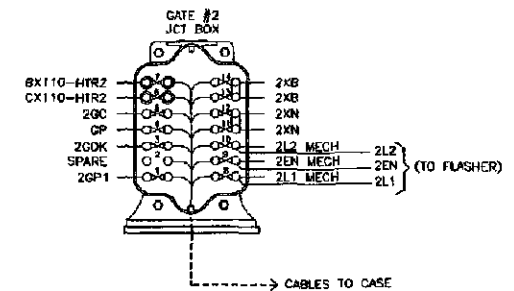
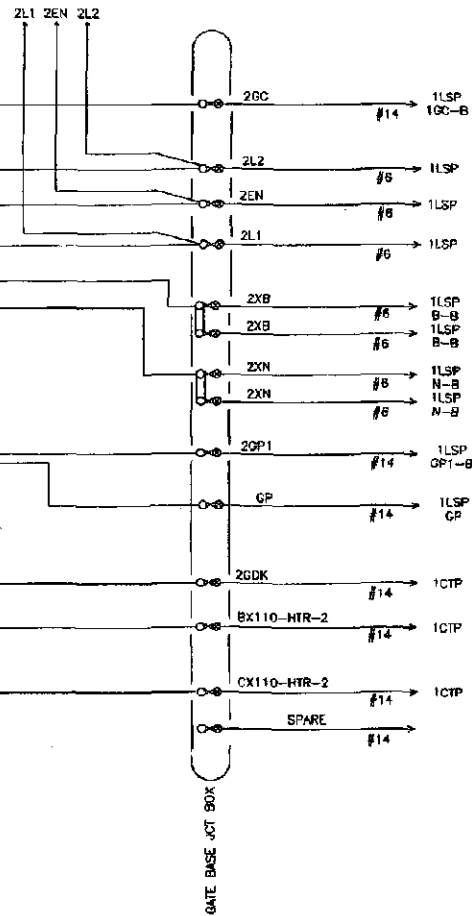
SAFETRAM MODEL S-40
GATE MECHANISM

CONTACT	CLOSED	FUNCTION
6	45°-90°	POWER DOWN
7	0°-89°	POWER UP
8	83°-90°	FLASHING LIGHT
9	5°-90°	BELL
10	0°-5°	HORIZONTAL SNUB
11	0°-5°	GATE DOWN INDICATION

WITH GATE IN UP POSITION

		Wheeling & Lake Erie Railway	
		LOCATION NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO	
DRAWN BY DATE CHECKED BY DATE	TITLE DATE #1 MECHANISM	SCALE N.T.S.	SHEET 11 of 18

2L1 2EN 2L2



**SAFETRAN MODEL S-40
GATE MECHANISM**

CONTACT	CLOSED	FUNCTION
6	45°-90°	POWER DOWN
7	0°-89°	POWER UP
8	83°-90°	FLASHING LIGHT
9	5°-90°	BELL
10	0°-3°	HORIZONTAL SNUB
11	0°-5°	GATE DOWN INDICATION

WITH GATE IN UP POSITION

Wheeling & Lake Erie Railway

LOCATION	
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NAVARRE ROAD STATE ROUTE 24
NICKLES LEAD, NAVARRE, OHIO

ORIGINAL DATE 03/08/2009 TIME

GATE #2 MECHANISM

DESIGNER	SUB	CLEVELAND
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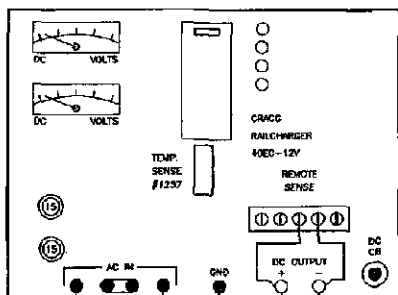
BOAT TEAM	FIELD	NICKLES LEA
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CHIEF	NO. 474-318H
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12 of 18

**REVISION
BLOCK**

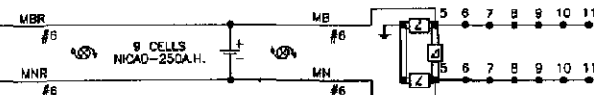
MB-CHARGER



PROGRAM CHARGER:
NUMBER OF CELLS 9
FLOODED
Ni-CAD
ADJUST FLOAT VOLTAGE FOR 1.43 VOLTS PER CELL
9 CELLS @ 1.43 = 12.87 VOLTS

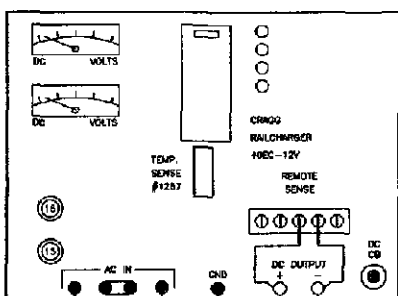
NEMA PLUG
L6-15P

MB-BATTERY



LD TOP
MB BUS
LD BOTTOM
MN BUSS

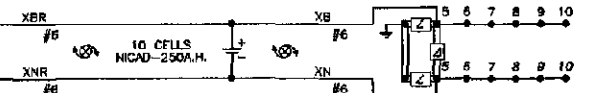
XB-CHARGER



PROGRAM CHARGER:
NUMBER OF CELLS 10
FLOODED
Ni-CAD
ADJUST FLOAT VOLTAGE FOR 1.43 VOLTS PER CELL
10 CELLS @ 1.43 = 14.30 VOLTS

NEMA PLUG
L5-15P

XB-BATTERY



RB TOP
XB BUS
RB BOTTOM
XN BUSS

BATTERY BUSS DETAILS

SPARE	12	SSCC J4-5
MAINT TEST SW	11	RCDR TB4-1
BGD INPUT 1	10	BGD INPUT 2
ROR 4	9	ROR 7
RCDR TB6-1	8	RCDR TB6-2
RCDR TB1-4	7	RCDR TB7-3
MDSA-1 BATT+	6	MDSA-1 BATT-
MB BATT+	5	MN BATT-

MB BUSS
(TOP)

LD

MN BUSS
(BOTTOM)

BATTERY BUSS DETAILS

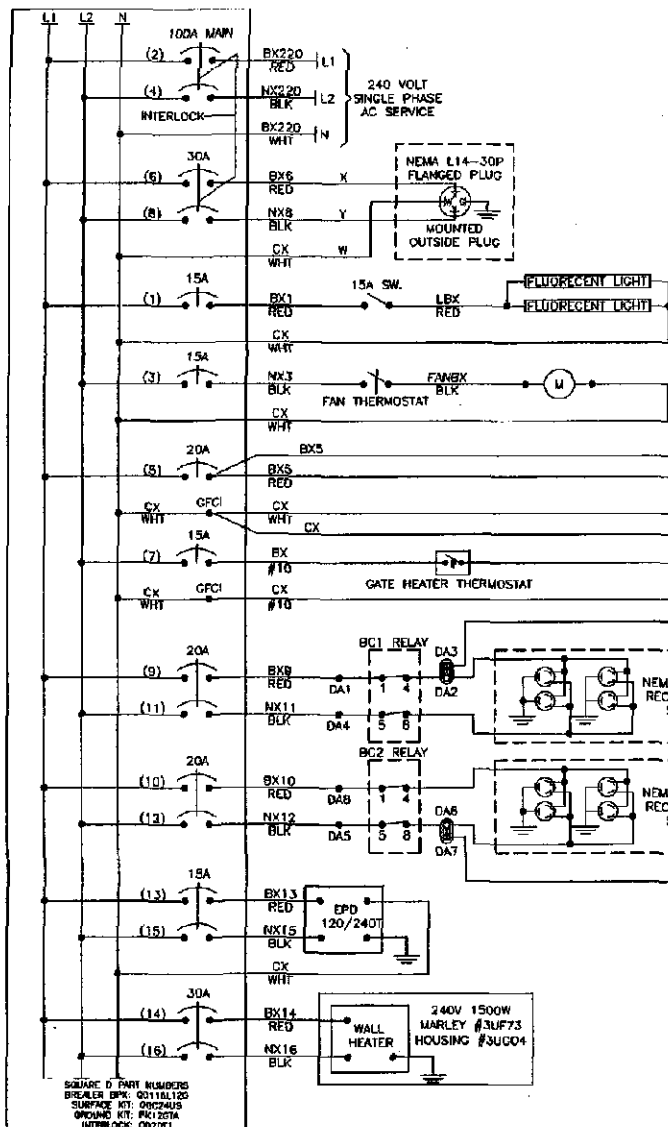
DOOR SWITCH	10	SPARE
BGD INPUT 3	9	BGD INPUT 4
RCDR TB1-2	8	RCDR TB1-1
SPARE	7	RCDR TB4-15
1LSP B-BATT	6	1LSP N-BATT
XB BATT+	5	XN BATT-

XB BUSS
(TOP)

RB

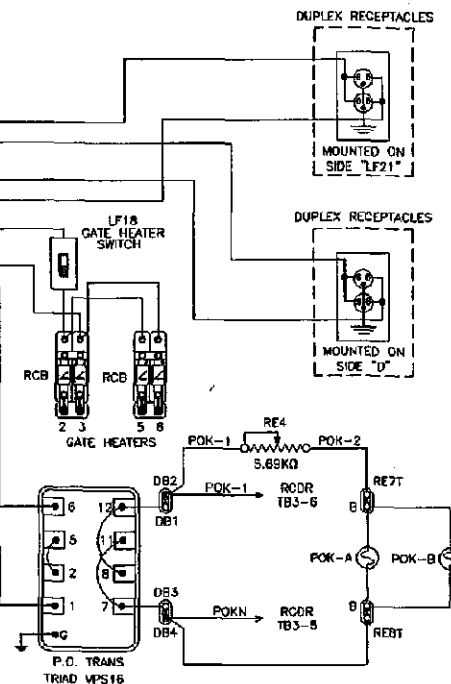
XN BUSS
(BOTTOM)

Wheeling & Lake Erie Railway			
LOCATION: NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO			
DESIGNED BY: 03/05/2006	TITLE: BATTERY CHARGER		
DRAWN BY: W&LE	REV: CLEVELAND		
CHECKED BY: NICKLES LEAD	SCALE: 1"=2'		
DATE: 474-318H	SHEET: 12 of 18		

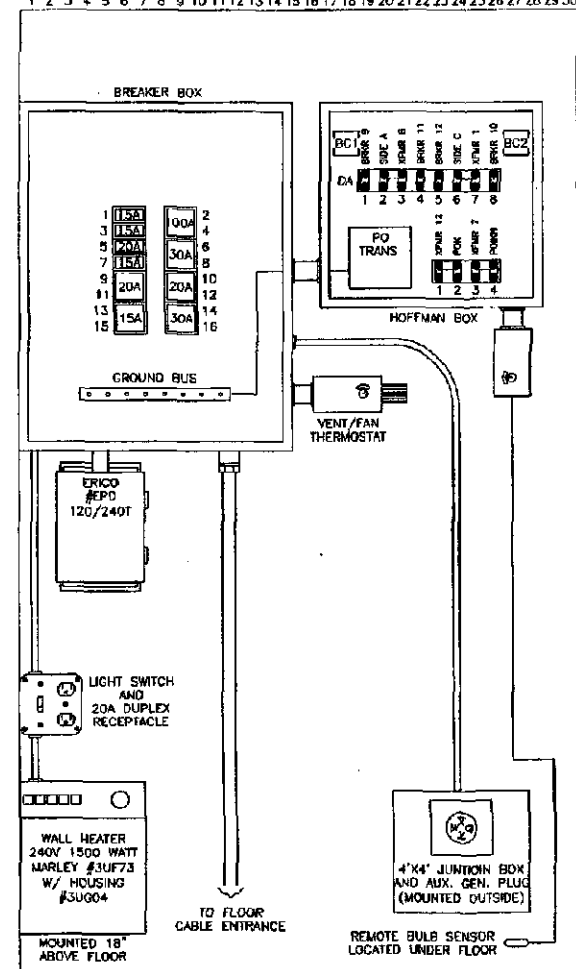


NOTES:

1. USE THE FOLLOWING COLOR CODE:
 GRN - GREEN - SAFETY EQUIPMENT GROUND
 WHI - WHITE - CX110 (NEUTRAL)
 BLK - BLACK - NX220 (L2)
 RED - RED - BX220 (L1)
 EXCEPTIONS TO THE ABOVE COLOR CODE ARE THE PRE-WIRED, SEALED ARRESTOR UNITS MOUNTED ON THE BREAKER BOX WHICH HAVE TWO BLACK AND ONE WHITE WIRE EACH.
2. MINIMUM WIRE SIZE:
 10 AMP - NO.14 AWG THIN OR THIN SOLID
 20 AMP - NO.12 AWG THIN OR THIN SOLID
 30 AMP - NO.10 AWG THIN OR THIN SOLID
3. GROUND FAULT INTERRUPT (GFCI) MUST BE USED ON ALL CIRCUITS SERVING CONVENIENCE OUTLETS AND ANY EQUIPMENT OUTSIDE THE BUNGALOW. RECEPTACLE MOUNTED GFCI MAY BE USED INSTEAD OF BREAKER TYPE.
4. ALL GROUND WIRES RUN TO BREAKER BOX GROUND BUS



SIDE D
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



DA

DB

DC

W&LE

**Wheeling & Lake Erie
 Railway**

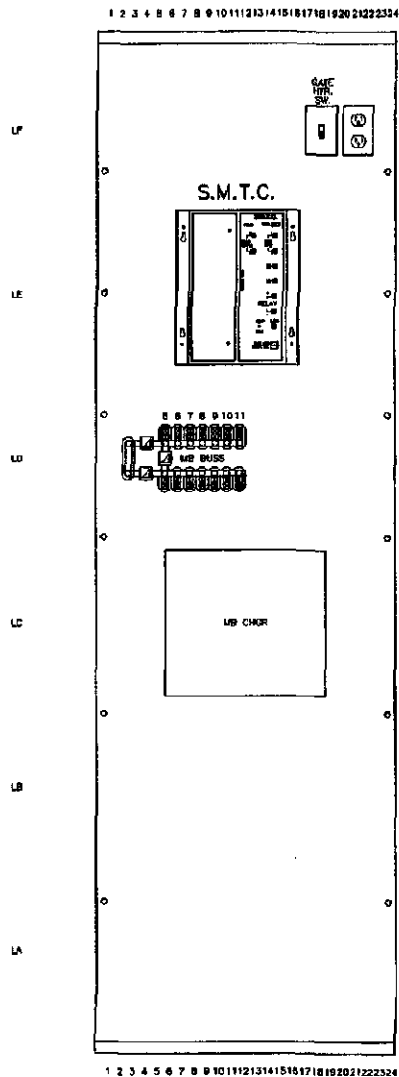
LOCATION: NAVARRE ROAD STATE ROUTE 21
 NICKLES LEAD, NAVARRE, OHIO

DATE: 05/05/2009 FILE: AC POWER DISTRIBUTION

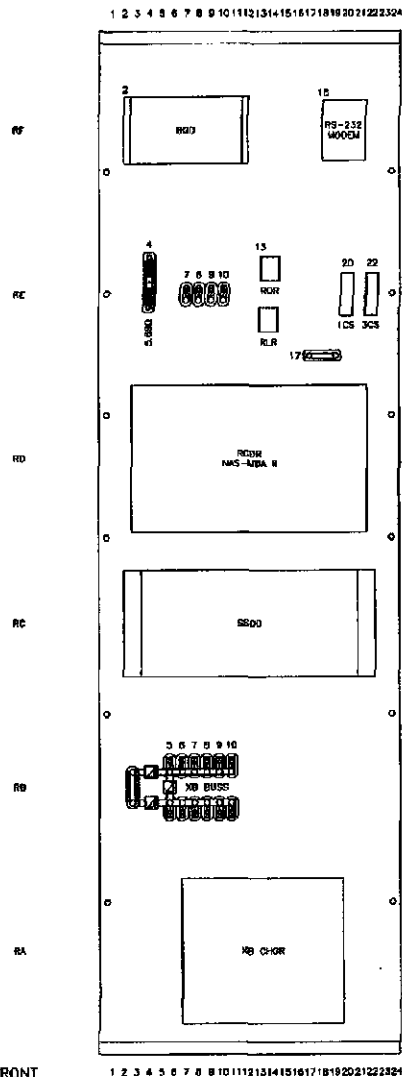
DESIGNER: DAD CLEVELAND

DRAWN: NICKLES LEAD SCALE: 1"=2'

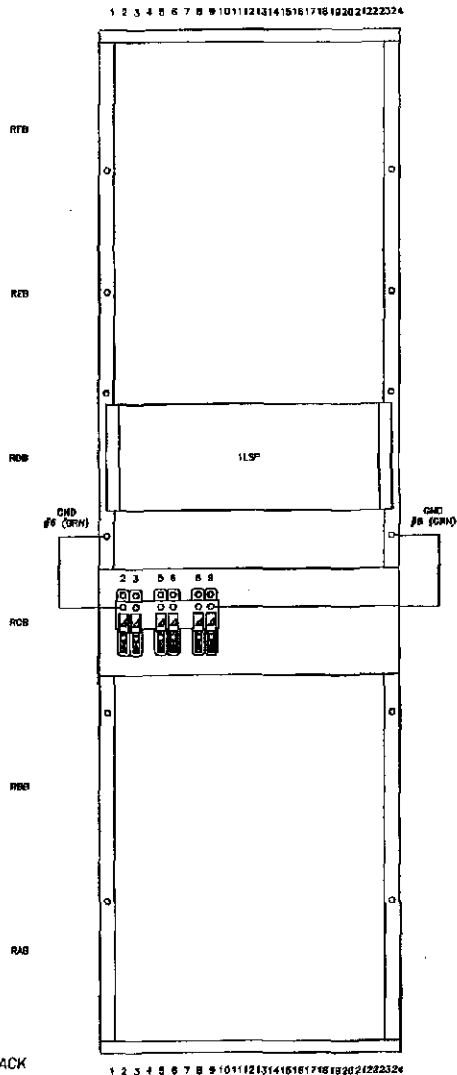
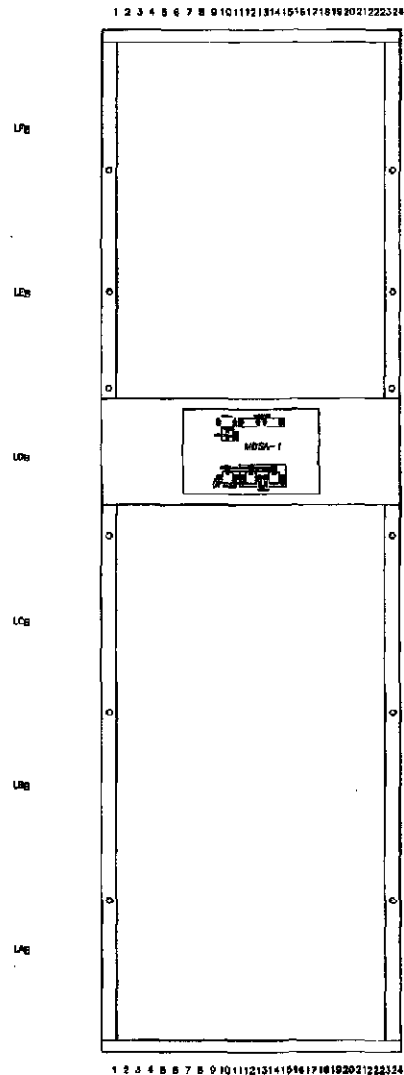
CHECKER: DOT NO. 474-51811 SHEET: 14 OF 18



SIDE 'B' FRONT



W&LE		Whodling & Lake Erie Railway	
		LOCATION NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO	
DATE: 03/05/2008	BY: RACK FRONT VIEW		
DESIGNED: RACK	CLEVELAND	SCALE: 1"=2'	
DRAWN: RACK	NICKLES LEAD	SHEET: 15 of 18	
CHECKED: RACK	REV: 474-318H		

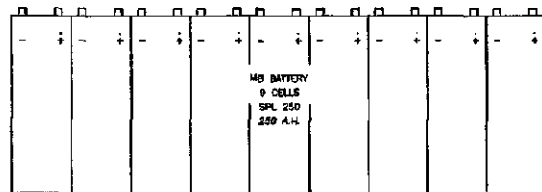


W&LE		Wheeling & Lake Erie Railway	
		LOCATION: NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO	
ORIGINAL DATE: 03/05/2006 DESIGNED BY: [blank] CHECKED BY: [blank]	SCALE: 1"=2' SHEET NO.: 474-318H SHEET: 16 of 18	BACK BACK VIEW DRAWN BY: NICKLES LEAD DATE: 1"=2'	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65



SIDE 'A'

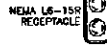


BATTERY BANK

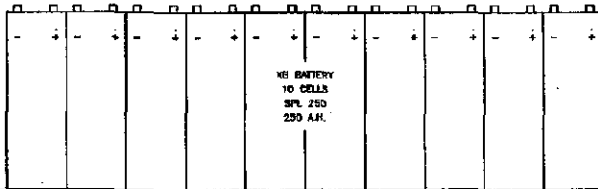
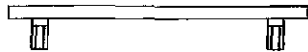
W&LE	Whooling & Lake Erie Railway		
	LOCATION: NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO		
	DATE: 03/05/2008	SHEET: SIDE "A"	
	DESIGNED BY: CLEVELAND	DRAWN BY: NICKLES LEAD	SCALE: 1"=2'
	DOT NO. 474-3184	SHEET: 17 OF 18	

SECTION BLOCK

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65

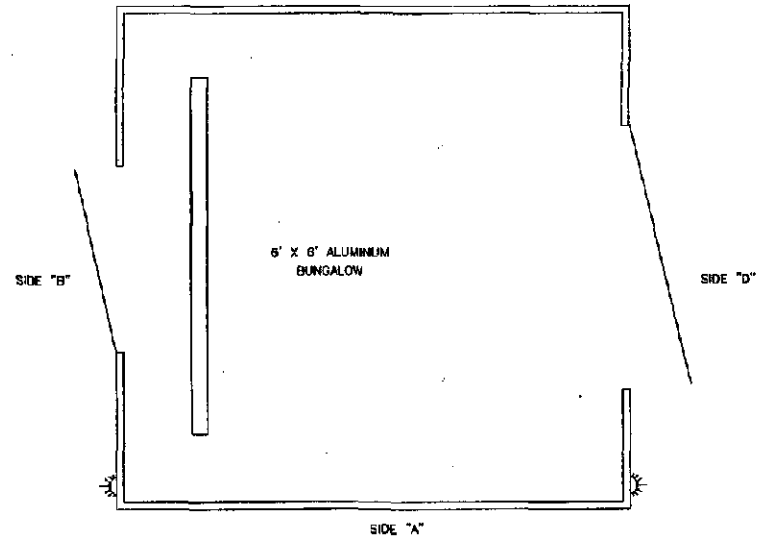


SIDE "C"



BATTERY TRAY

THIS SIDE TO FIELD
SIDE "C"



SIDE "A"
THIS SIDE TO TRACKS

W&LE		Wheeling & Lake Erie Railway	
		LOCATION: NAVARRE ROAD STATE ROUTE 21 NICKLES LEAD, NAVARRE, OHIO	
ORIGINAL DATE: 03/05/2009	FILE: SIDE "C"		
DESIGNER:	BY: CLEVELAND	DRAWN: NICKLES LEAD	SCALE: 1"=2'
CHECKER:	DAY NO. 474-310H	SHEET:	18 OF 18

REVISION
BLOCK