

FILE

22

WHEELING & LAKE ERIE RAILWAY COMPANY

Dan Reinsel
Signal & Communication Supervisor

100 East First Street
Brewster, OH 44613

Tel. 330-767-7202

dreinsel@wlerwy.com

Fax: 330-767-3213

26 March 2010

Mr. George Martin
PUCO Railroad Section
180 East Broad Street
Columbus, OH 43215-3793

09-1955-RR-STP

RE: Estimate for Stone Road Xing DOT 002-066G

Dear Mr. Martin,

Accompanying this letter are engineering drawings, a material list, and estimates for the identified crossing project. I will await approval from the PUCO before ordering the materials.

Estimated cost of crossing system:

Material Package	\$95,000.00
Engineering	\$3,982.90
Project Management	\$9,626.27
Final Construction/Installation	\$17,970.48
Site Preparation Work	\$16,000.00
WLE Labor (test/cutover/coordination)	\$3,000.00
Stone Fill	\$2,500.00
Stone Transport	\$900.00
Gate Foundations	\$918.00
Electric Service	\$3,500.00
Est. Total	\$153,397.65

Respectfully,

Dan Reinsel
Dan Reinsel

c: PUCO Docketing
PUCO Jill Henry

PUCO

2010 MAR 30 PM 2:43

RECEIVED-DOCKETING DIV

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.
Technician DMM Date Processed 03/30/10

**Wheeling & Lake Erie Railway Co.
Stone Road (TR 74) - Project Estimate
CTC Project No. CT10010**

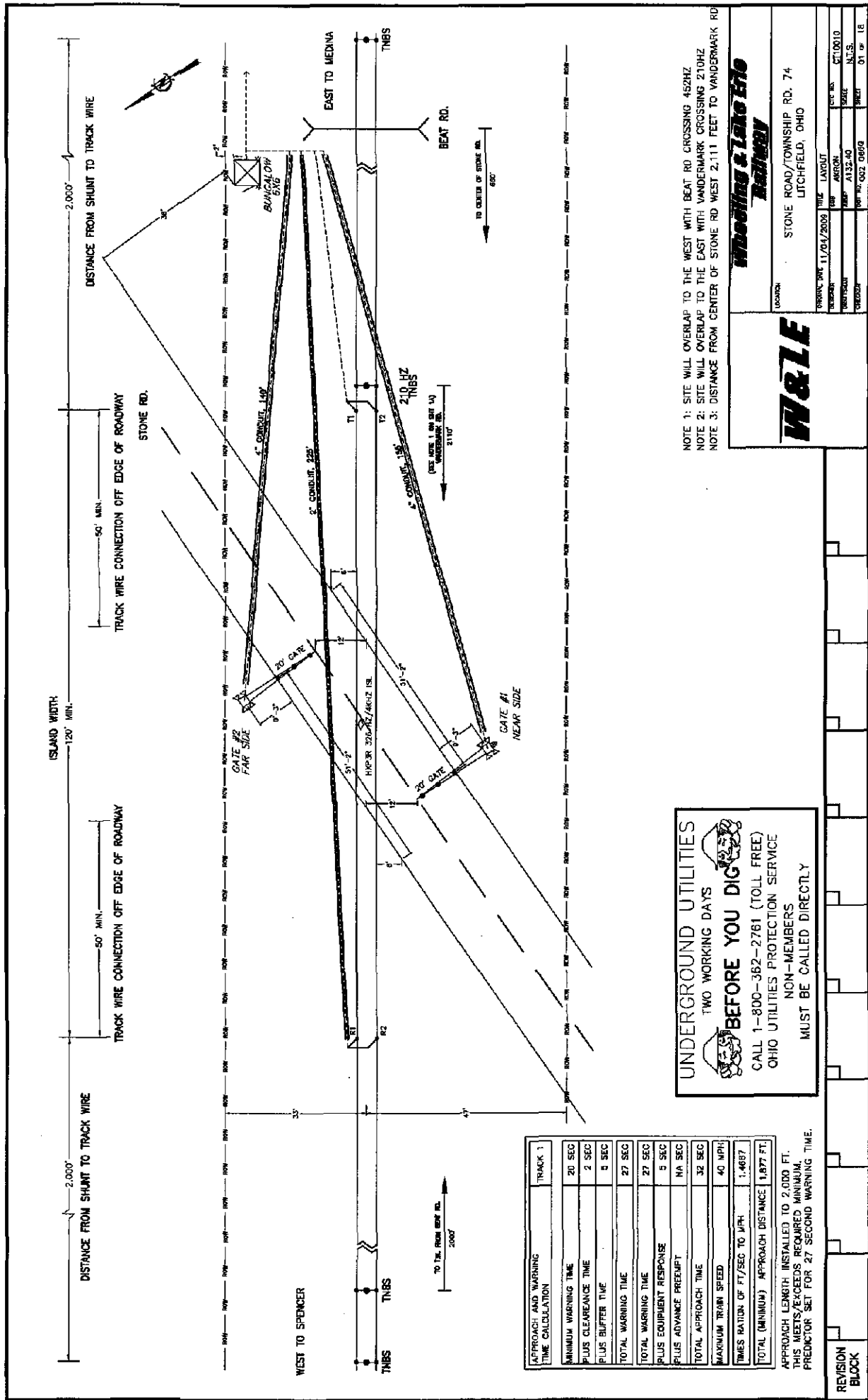
ENGINEERING					
Line No.	Description	Qty	UOM	Cost	Total Cost
1	CAD OPERATOR	24	HR	28.38	\$681.12
2	SIGNAL CHECKER, LEVEL 1	16	HR	28.38	\$454.08
3	SIGNAL CHECKER, LEVEL 2/FIELD ENGINEER	4	HR	36.06	\$144.24
	SUBTOTAL				\$1,279.44
	G&A BURDEN FOR LABOR				\$2,341.38
	FIXED FEE				\$362.08
	ENGINEERING TOTAL				\$3,982.90

PROJECT MANAGEMENT					
Line No.	Description	Qty	UOM	Cost	Total Cost
1	SENIOR SIGNAL ENGINEER	24	HR	72.11	\$1,730.64
2	PROJECT MANAGER	4	HR	60.10	\$240.40
3	CONSTRUCTION MANAGER	24	HR	38.08	\$905.44
4	ACCOUNTING, LEVEL 1	4	HR	38.47	\$153.88
5	ADMINISTRATIVE	4	HR	25.48	\$101.92
	SUBTOTAL				\$3,092.28
	G&A BURDEN FOR LABOR				\$5,658.87
	FIXED FEE				\$875.12
	PROJECT MANAGEMENT TOTAL				\$9,626.27

CONSTRUCTION					
Line No.	Description	Qty	UOM	Cost	Total Cost
LABOR					
1	SIGNAL GANG, FOREMAN	60	HR	28.50	\$1,710.00
2	SIGNAL GANG, SIGNALMAN	60	HR	19.50	\$1,170.00
3	SIGNAL GANG, SIGNALMAN HELPER	60	HR	19.00	\$1,140.00
4	SIGNAL SUPERVISOR	8	HR	36.06	\$288.48
Expenses					
5	EMPLOYEE MEALS (PER DIEM)	26	EA	35.00	\$910.00
6	EMPLOYEE TRAVEL & LODGING	24	EA	55.00	\$1,320.00
7	AIRFARE	1	EA	200.00	\$200.00
Equipment					
7	TRUCK, PU, 1 TON CREW CAB	60	HR	6.50	\$390.00
8	TRUCK, BOOM, ART, TELESCOPING	4	HR	55.95	\$223.80
9	BACKHOE, 2WD, 95 HP	4	DY	250.00	\$1,000.00
10	EQUIPMENT DELIVERY/PICKUP	2	LS	50.00	\$100.00
	SUBTOTAL-LABOR				\$4,308.48
	SUBTOTAL-EXPENSES/EQUIPMENT				\$4,143.80
	G&A BURDEN FOR LABOR				\$7,884.52
	FIXED FEE				\$1,633.68
	CONSTRUCTION TOTAL				\$17,970.48

MATERIALS					
Line No.	Description	Qty	UOM	Cost	Total Cost
1	MATERIAL PACKAGE	1	LOT	95,000.00	\$95,000.00
	MATERIAL TOTAL				\$95,000.00

TOTAL PROJECT COST (CTC)					\$126,579.64
---------------------------------	--	--	--	--	---------------------



UNDERGROUND UTILITIES
 TWO WORKING DAYS
BEFORE YOU DIG
 CALL 1-800-362-2761 (TOLL FREE)
 OHIO UTILITIES PROTECTION SERVICE
 NON-MEMBERS
 MUST BE CALLED DIRECTLY

APPROACH AND WARNING TIME CALCULATION	TRACK 1
MINIMUM WARNING TIME	20 SEC
PLUS CLEARANCE TIME	2 SEC
PLUS BUFFER TIME	5 SEC
TOTAL WARNING TIME	27 SEC
TOTAL WARNING TIME	27 SEC
PLUS EQUIPMENT RESPONSE	5 SEC
PLUS ADVANCE PREEMPT	NA SEC
TOTAL APPROACH TIME	32 SEC
MAXIMUM TRAIN SPEED	40 MPH
TIMES RATION OF FT/SEC TO MPH	1.4667
TOTAL (MINIMUM) APPROACH DISTANCE	1,877 FT.

APPROACH LENGTH INSTALLED TO 2,000 FT.
 THIS MEETS/EXCEEDS REQUIRED MINIMUM
 PREDICTOR SET FOR 27 SECOND WARNING TIME.

NOTE 1: SITE WILL OVERLAP TO THE WEST WITH BEAT RD CROSSING 452HZ
 NOTE 2: SITE WILL OVERLAP TO THE EAST WITH VANDERMARK CROSSING 210HZ
 NOTE 3: DISTANCE FROM CENTER OF STONE RD WEST 2,111 FEET TO VANDERMARK RD

W&LE
Wheeling & Lake Erie
Railroad

LOCATION: STONE ROAD/TOWNSHIP RD. 74
 LITCHFIELD, OHIO

DESIGNED BY: 11/01/2009
 DRAWN BY: [blank]
 CHECKED BY: [blank]
 DATE: 11/01/09
 SHEET: 01 OF 18

REVISION
 BLOCK

CONSTRUCTION NOTES

- 1.) REMOVE EXISTING DHWS FOR VANDERMARK RD. AND INSTALL NEW 210HZ SHUNT 75' FROM CENTER OF STONE RD.
- 2.) RECALIBRATE AT VANDERMARK RD. FOR NEW TNBS
- 3.) NEAREST ADDRESSES TO THE WEST OF CROSSING IS 8518 STONE ROAD AND TO THE EAST OF CROSSING IS 8523 STONE RD.
- 4.) NEAREST ELECTRIC POLE IS APPROX. 600±; PROVIDER OF SERVICE IS LORAIN MEDINA RURAL ELECTRIC, 2_15_18

W&LE

**Wheeling & Lake Erie
Railway**

LOCATION

STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

DESIGN DATE 11/04/2009	FILE	SITE LAYOUT NOTES
DESIGNER W&LE	BY JARON	FIG NO.
DATE 11/04/2009	DATE 11/04/2009	SCALE N.T.S.
PROJECT NO. 002 0906	DATE 11/04/2009	FIG. OF 18

REVISION
BLOCK



* - FIELD ADJUSTMENT TO BE MADE ACCORDING TO THE HXP-3 INSTRUCTION MANUAL.

NO.	ADJUSTMENT NAME	TRACK 1	TRACK 2
1	APP. LENGTH	2000'	
2	WARNING TIME	37 SEC	
3	L/A	.	
4	TC	.	
5	MD RESTART	0	

NO.	ABBREVIATION	TRACK 1	TRACK 2
1	TK-ENA	UP	
2	TK FO	328 HZ	
3	GW/MD	C	
4	UW-BI	b (BI)	
5	NES-C	*	
6	CWEVT	DL (50 SEC.)	
7	LOS	DL (18 SEC.)	
8	N-LOS	DL (3 SEC.)	
9	GC	1.33 *	
10	P-COMP	*	
11	AX1	N/A	
12	AX2	N/A	
13	AX3	N/A	
17	MDR-AX	"an"	
	DI-TK 1 OR 2	DL (0)	
	C2-LOS	DL (0)	
	PA-DET	DL (15)	
	PJ-RX	DL (15)	
18	MD-IMR	DL (10)	
19	MIN-TM	DL (0)	
20	FS-DET	"an"	
	FS-RX	DL (0)	
	FS-TM	DL (10)	
21	POS-ST	"an"	
	POS-RX	DL (0)	
	POS-TM	DL (0)	
22	AR-IMR	"an"	
	AR-RX	DL (0)	
	AR-TM	DL (10)	
47	AIO-RX	UP	
48	SE-FXA	"an"	

NO	ABBREVIATION	AX 1	AX 2	AX 3
1	TK-ASN			
2	QF-TK1			
3	QF-TK2			
4	WT			
5	MD-RST			
6	CM/MD			
7	CI-LNS			
8	PJ-DET			
9	PJ-RX			
10	POS-ST			

SWITCH	TRACK 1	TRACK 2
MASTER/SLAVE	MASTER	
RSI FAULT JUMPER	0	
RS-LOS JUMPER	1	
TLM W1 JUMPER	PINS 1-2	
TLM W2 JUMPER	PINS 1-2	
TLM W3 JUMPER	PINS 2-3	
UNLITE TIMEOUT	5 MIN	
CW/MD	CW	
STANDBY AUTO/MORMAN	AUTO	

NOTE: DL= DEFAULT LEVEL
NA= NON APPLICABLE

S2

1	2	3	4	5
ON	OFF	ON	OFF	ON

S3

1	2	3	4	5
ON	OFF	ON	OFF	ON

S6

1	2	3	4
ON	OFF	ON	OFF

FREQ. = 32KHZ
NORMAL/SHORT APPROACH

57

1	2	3	4
OFF	ON	ON	ON

54

1	2	3	4	5
OFF	ON	ON	ON	ON

55

1	2	3	4	5
OFF	ON	ON	ON	ON

FREQ. = 325 HZ

NORMAL/SHORT APPROACH

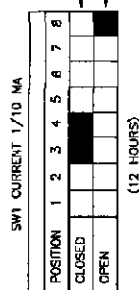
- 1) ACTUATOR 1 SELECTS NORMAL APPROACH WHEN SET TO ON POSITION.
- 2) WITH ACTUATOR 1 IN OFF POSITION ACTUATOR 2 SELECTS SHORT APPROACH WHEN OFF AND SELECTS VERY SHORT WHEN ON.
- 3) ACTUATOR 3 AND 4 RESERVED FOR FUTURE USE.

784

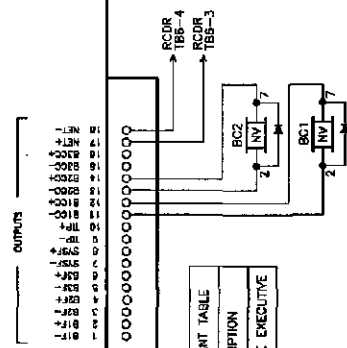
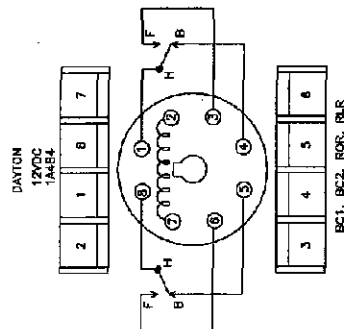
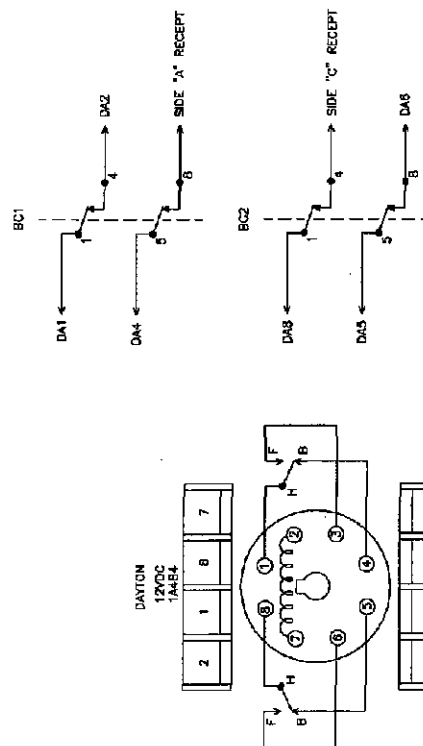
Whitcomb & Lohr Etc Railway

STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

ORDER DATE	11/04/2008	MIL		HCB PROGRAM INFORMATION	
DESIGNER		BLB	A132.40		CT10010
DRAWN		WAP	A132.40		N.T.S.
CHECKER		DAF	NO. 002 0860		03 OF 18

SWITCH VALUES CLOSED
POSITION (BINARY)

SW1 = 1
SW2 = 2
SW3 = 4
SW4 = 8
SW5 = 16
SW6 = 32
SW7 = 64
SWB OPEN



WILEY

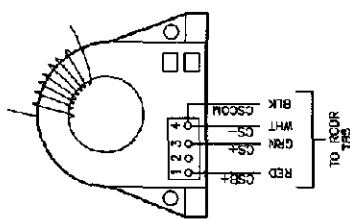
Wheeling & Lake Erie Railway

STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

UNSWING DATE 11/04/2008	FILE	BOD	CIC NO.	CT10010
RESERVE	FILE	AKRON	9017	
DISPATCH	NOOP	A132.40		N.T.S.
DEPART	DOT NO.	002	DRAG	
			SHIRT	
				N.E. OF 1/2

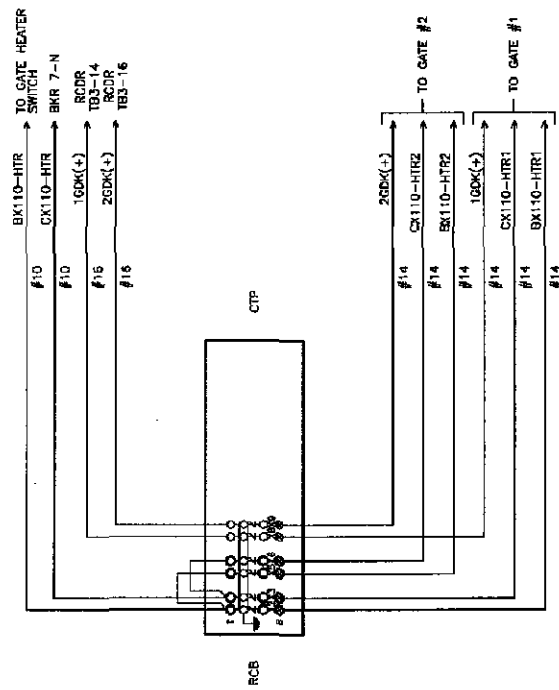
NOTES





378/4

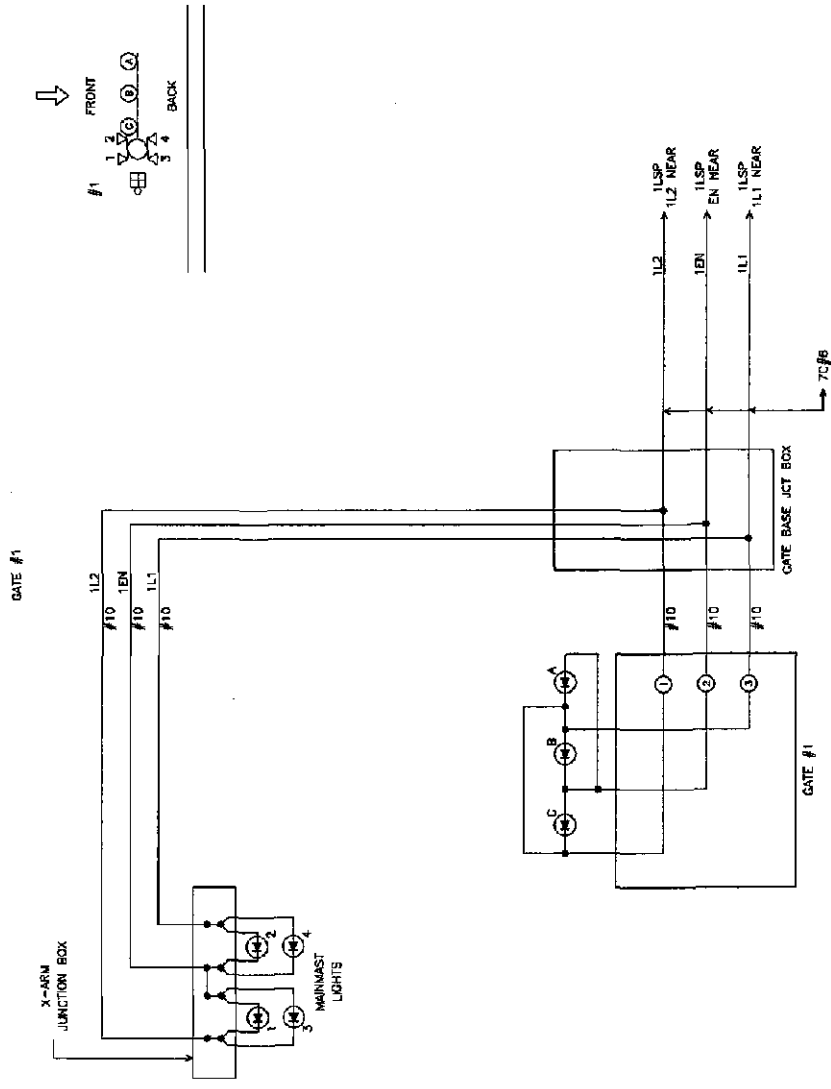
REPORT DATE	11/04/2009	TIME	11:50
DESIGNER	SUN AKRON	DWG NO.	CT1001D
DATE/ISSUE	11/04/09	SCALE	N.T.S.
CHECKER	RAY NO. 032 056C	DATE	07 of 18



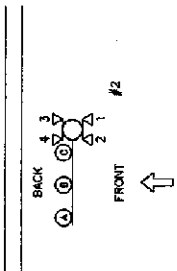
W&LE
Wheeler & LaPorte
Railway

LOCATION: STONE ROAD/TOWNSHIP RD. 74
 LITCHFIELD, OHIO

DATE: 01/17/04/2009	TIME: 10:30	CTP	DATE: 01/17/04/2009	TIME: 10:30	CTP
REVISION: 001	REVISION: 001	REVISION: 001	REVISION: 001	REVISION: 001	REVISION: 001
DESIGNER: W&LE	DESIGNER: W&LE	DESIGNER: W&LE	DESIGNER: W&LE	DESIGNER: W&LE	DESIGNER: W&LE
CHECKED: W&LE	CHECKED: W&LE	CHECKED: W&LE	CHECKED: W&LE	CHECKED: W&LE	CHECKED: W&LE
APPROVED: W&LE	APPROVED: W&LE	APPROVED: W&LE	APPROVED: W&LE	APPROVED: W&LE	APPROVED: W&LE



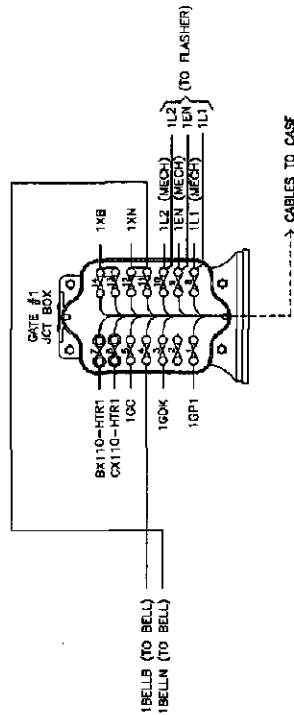
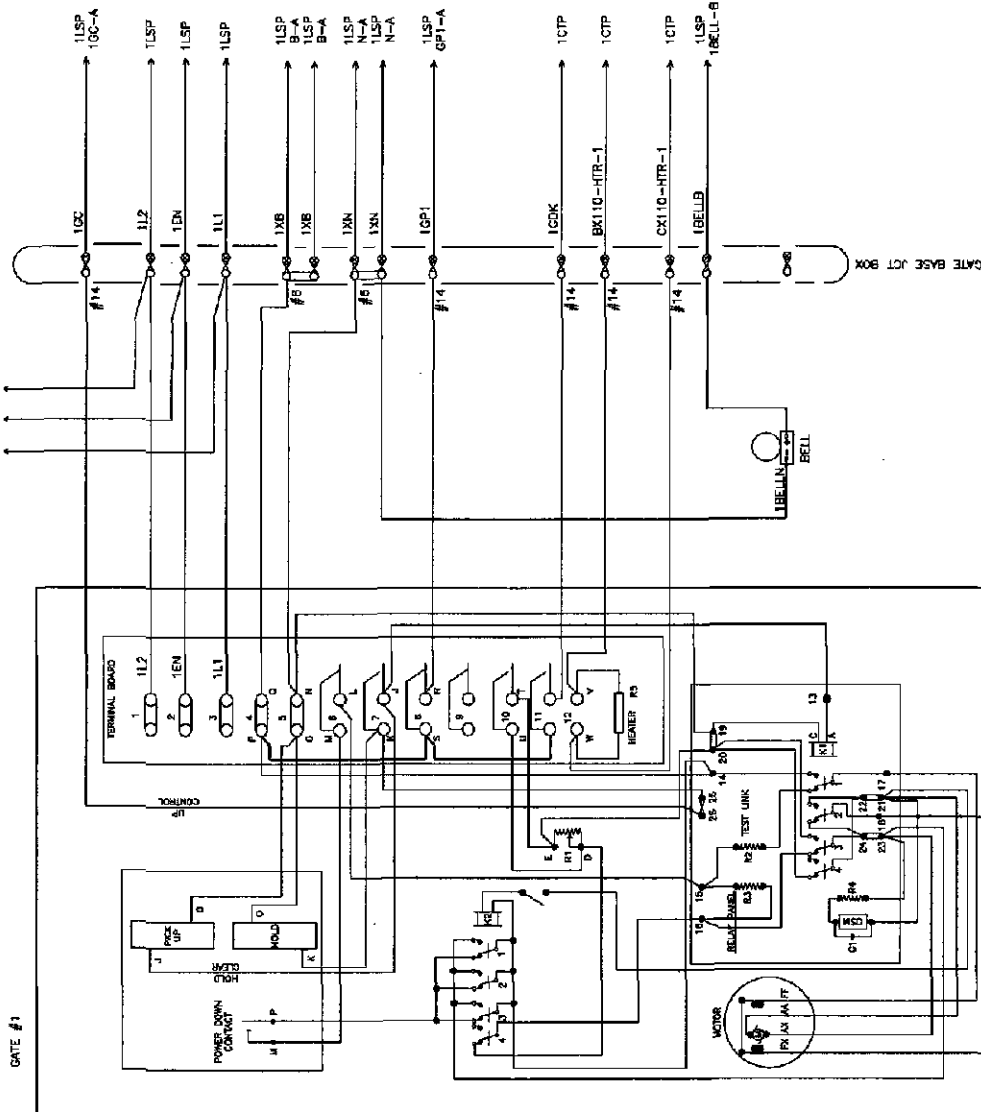
W&LE		Wheeling & Lake Erie Railway	
LOCATION		STONE ROAD/TOWNSHIP RD. 74 LITCHFIELD, OHIO	
PROJECT NO.	11/04/2009	WIT	GATE #1 LIGHTS (N&E SIDE)
DESIGNER	NSP	APPROV	NSP
DATE	11/04/2009	SCALE	CT10010
PROJECT	11/04/2009	DATE	N.T.S.
PROJECT	11/04/2009	DATE	08/08/10



ORDERING UNIT	11/04/2000	TITLE	GATE #2 LIGHTS (FAR SIDE)
REORDER	SBS	AKRON	CYC NO.
DATE ORDER	6/20/01	A132.40	SCALE
CHECKED	BOF NR 002	0565G	SHEET
			10

W8

TO MAST MOUNTED FLASHERS
1L1 1EN 1L2



SMETMAN MODEL S-40
GATE MECHANISM

CONTACT	CLOSED	FUNCTION
6	45°-90°	POWER DOWN
7	0°-80°	POWER UP
8	85°-90°	FLASHING LIGHT
9	5°-80°	BELL (NOT USED)
10	0°-5°	HORIZONTAL SNUB
11	0°-5°	GATE DOWN INDICATION

WITH GATE IN UP POSITION

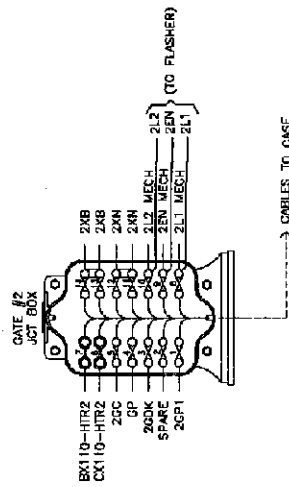
W&LE
Wheeling & Lake Erie
Railway

W&LE

LOCATION
STONE ROAD/TOWNSHIP RD. 74
UTICHFIELD, OHIO

DATE: 11/04/2009
DRAWN BY: JMC
CHECKED BY: JMC
DESIGNED BY: JMC
PROJECT: 1132.40
SHEET: 11 OF 18

REVISION
BLOCK

SAFETRAIN MODEL S-40
GATE MECHANISM

CONTACT	CLOSED	FUNCTION
6	45°-90°	POWER DOWN
7	0°-88°	POWER UP
8	83°-90°	FLASHING LIGHT
9	5°-90°	BELL (NOT USED)
10	0°-5°	HORIZONTAL SHAFT
11	0°-5°	GATE DOWN INDICATION

WITH GATE IN UP POSITION

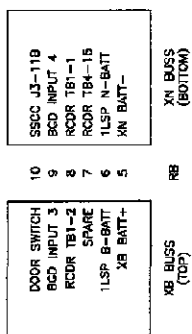
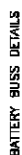
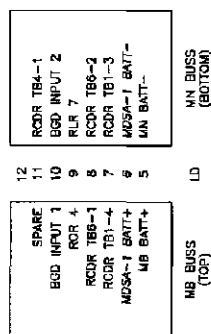
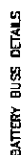
**Wheeling & Lake Erie
Railway**

W87E

STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

INVEST DATE	11/04/2008	WEEK		QUOTE #2 MEGACHAINISM (FAR SIDE)
TRADER	EDD	AVGON		DATE MK
DATE/PRICE		164P	1132.40	SCALE
12/03/08		100	002 098C	1"=1"
				UNIT
				12 of 18

**NOISE
BLOCK**



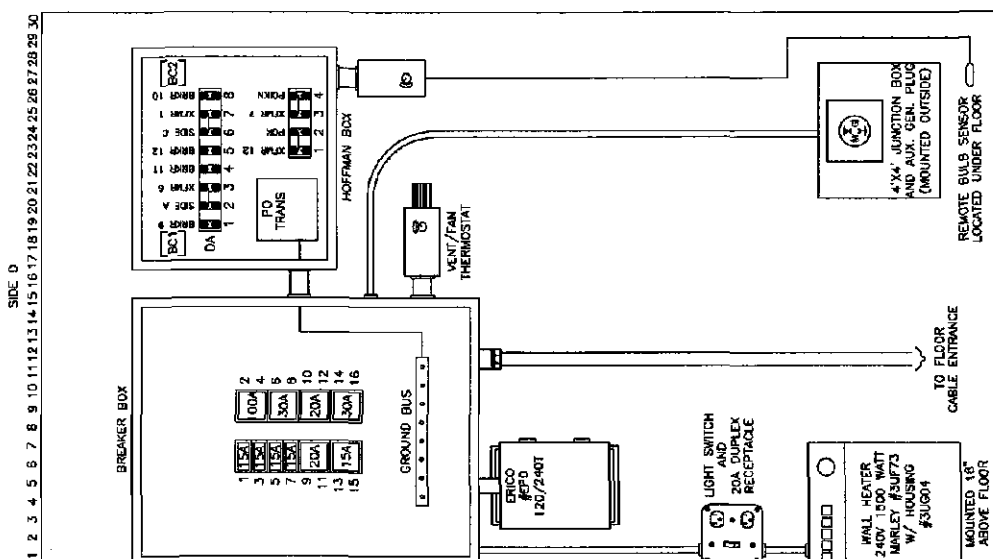
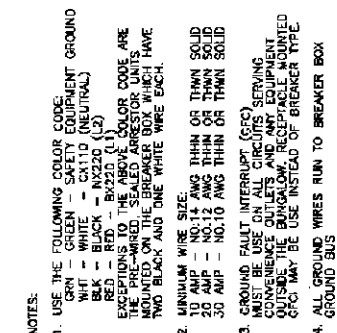
Английский язык

STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

NOTES

ISSUANCE DATE	11/04/2000	TITLE	BATTERY CHARGER
DESIGNER		SUBJ	AKRON
DESIGNATION		GROUP	A132.40
CLASSIFIER		SEC NO.	002 088G
CLASSIFICATION		SCALE	1"-2"
CLASSIFICATION		SHEET	13 OF 18

NUZZARELLI



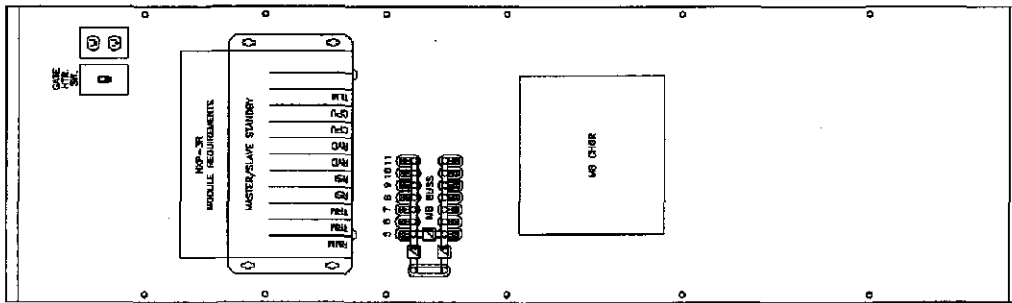
Wholesale & Retail

STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

AC POWER DISTRIBUTION
TITLE
DATE 11/04/2009
SHEET NO.
SUB ARCON
DRAWN BY A132.40
CHECKED BY
DATE 1-27-18

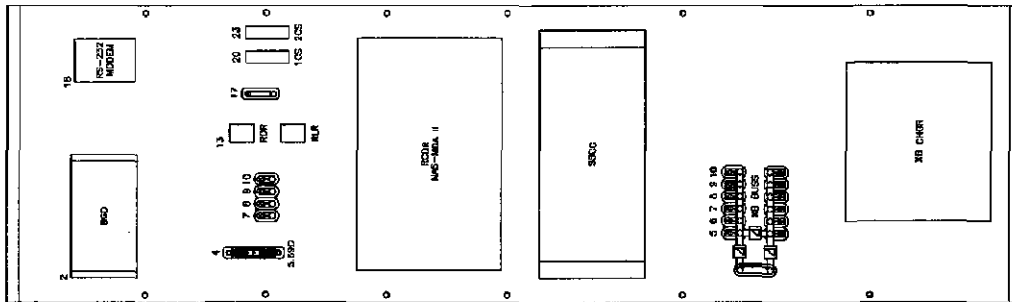
CONCLUSION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

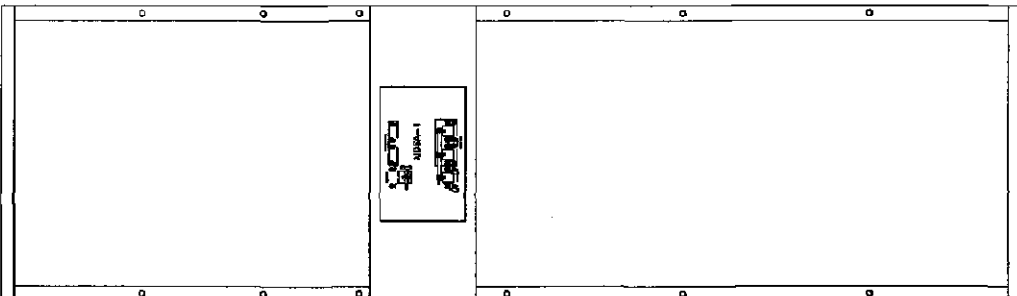
Wheeling & Lake Erie
Railway

LOCATION: STONE ROAD/TOWNSHIP RD. 74
LYCHFIELD, OHIO

DATE: 11/04/2009	TIME: 10:00 AM	PROJECT: RAILROAD	SCALE: 1"=2'
DESIGNER: J. L. BROWN	DRAWN: J. L. BROWN	CHECKED: J. L. BROWN	DATE: 11/04/2009
PROJECT: RAILROAD	SCALE: 1"=2'	DATE: 11/04/2009	TIME: 10:00 AM

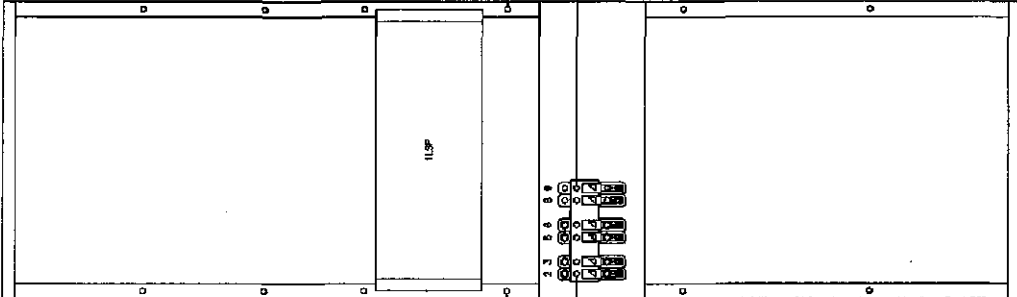
W&LE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

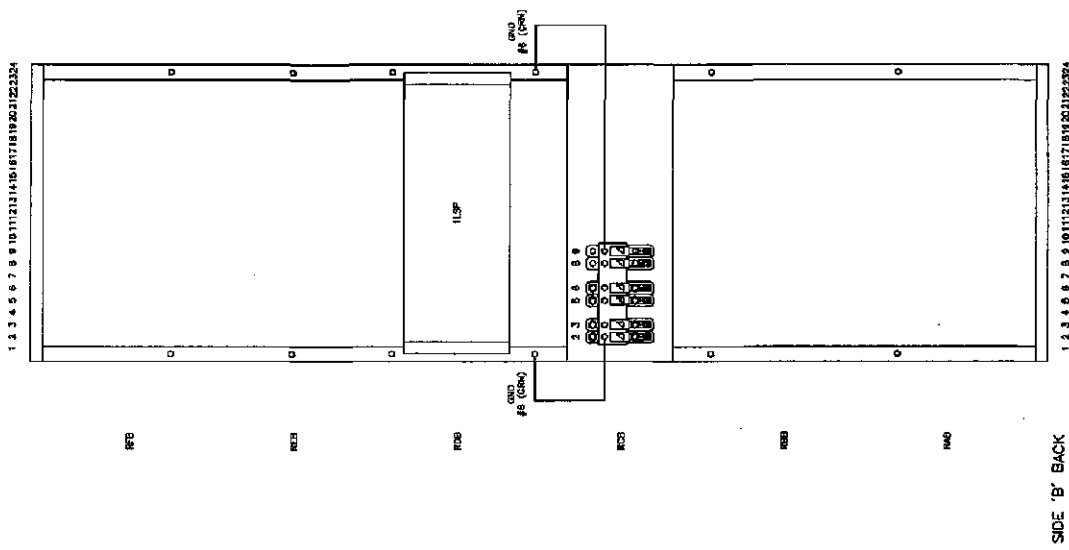


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



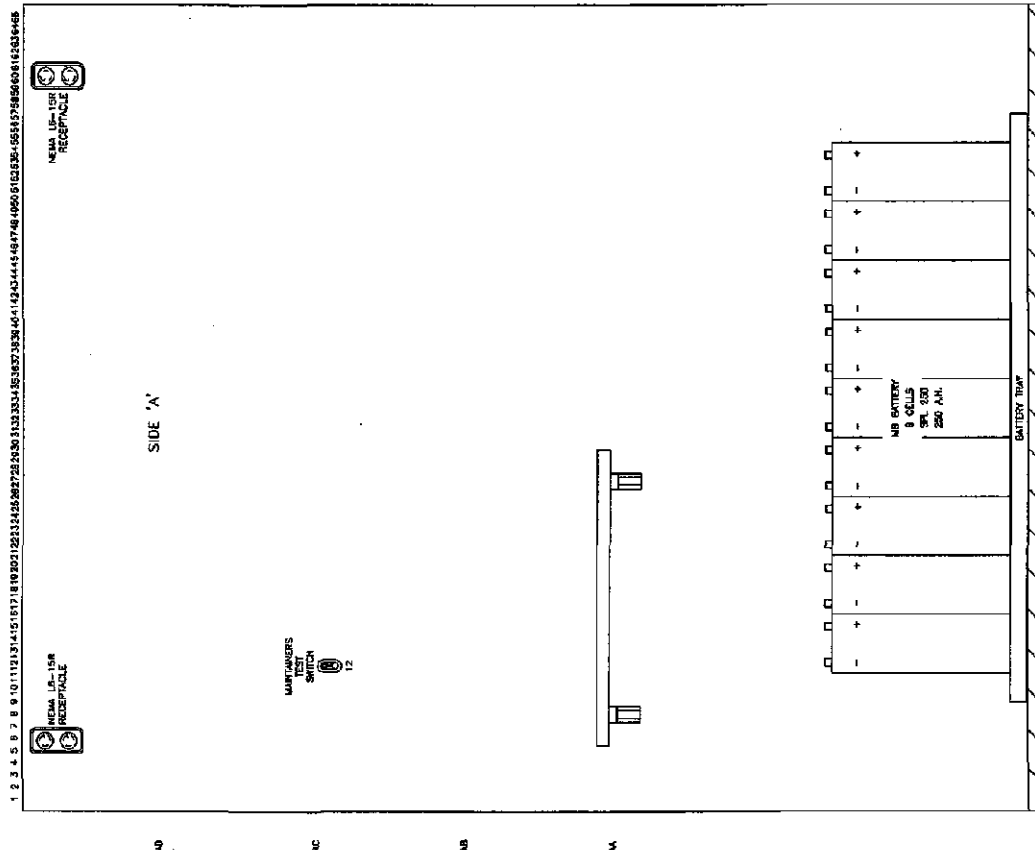
SIDE 'B' BACK

Wheeling & Lake Erie
Railway

LOCATION
STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

DATE	11/04/2009	TIME	BACK BACK VIEW
PROJECT	300	ADDITION	ONE OR
DATE	11/04/2009	TIME	11:00:10
DATE	11/04/2009	TIME	11:00:10
DATE	11/04/2009	TIME	11:00:10

W&LE



Whooling & Lark Pro Railway

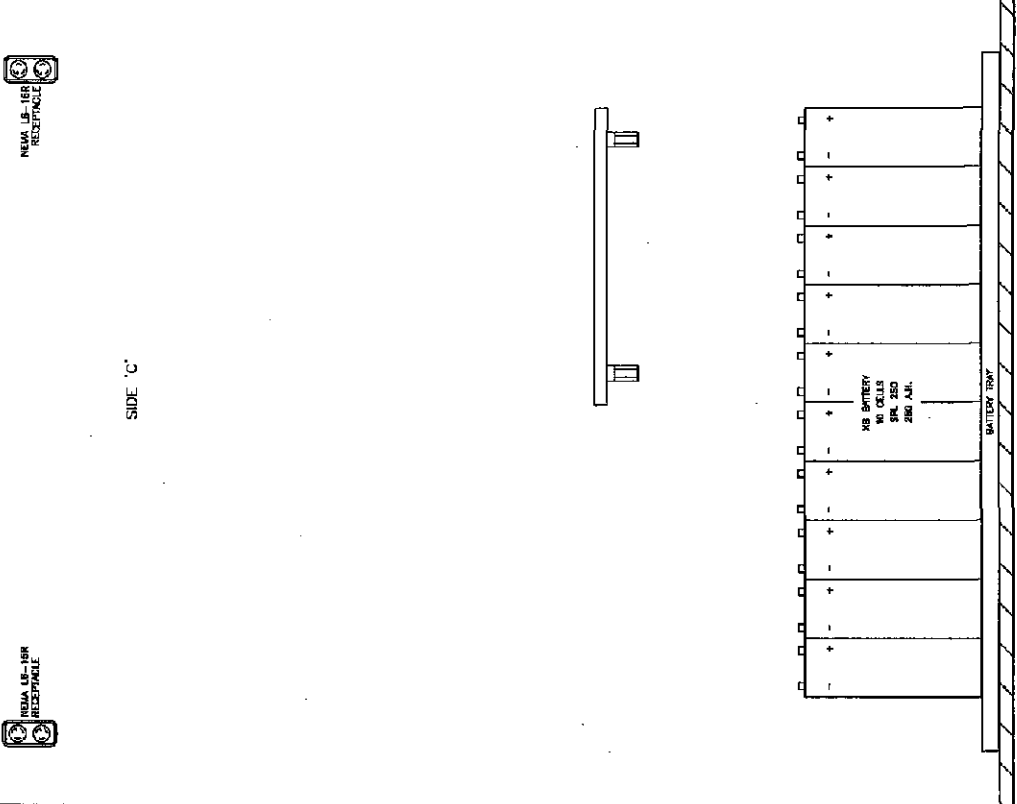
STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

WEIGHT	DATE	11/04/2006	WIND	SIDE	%
024547			919	ARGON	CT10010
004758			919P	A132.40	000L
014257			901	002 0462	1"=2"
014257			901	002 0462	17 of 18

W87E

NOTES

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'

SIDE 'B'

6' X 6' ALUMINUM
BUNGALOW
PT/1W PM15208 A

SIDE 'D'

SIDE 'A'
THIS SIDE TO TRACKS

THIS SIDE TO FIELD
SIDE 'C'

**Wheeling & Lake Erie
Railway**

LOCATION: STONE ROAD/TOWNSHIP RD. 74
LITCHFIELD, OHIO

DESIGN DATE: 11/04/2009
DESIGNER: W&LE
DRAWN BY: ATJ/2-00
CHECKED BY: JMT/02-05/09
SCALE: 1"=2'
SHEET: 18 OF 18



SECTION
BLOCK