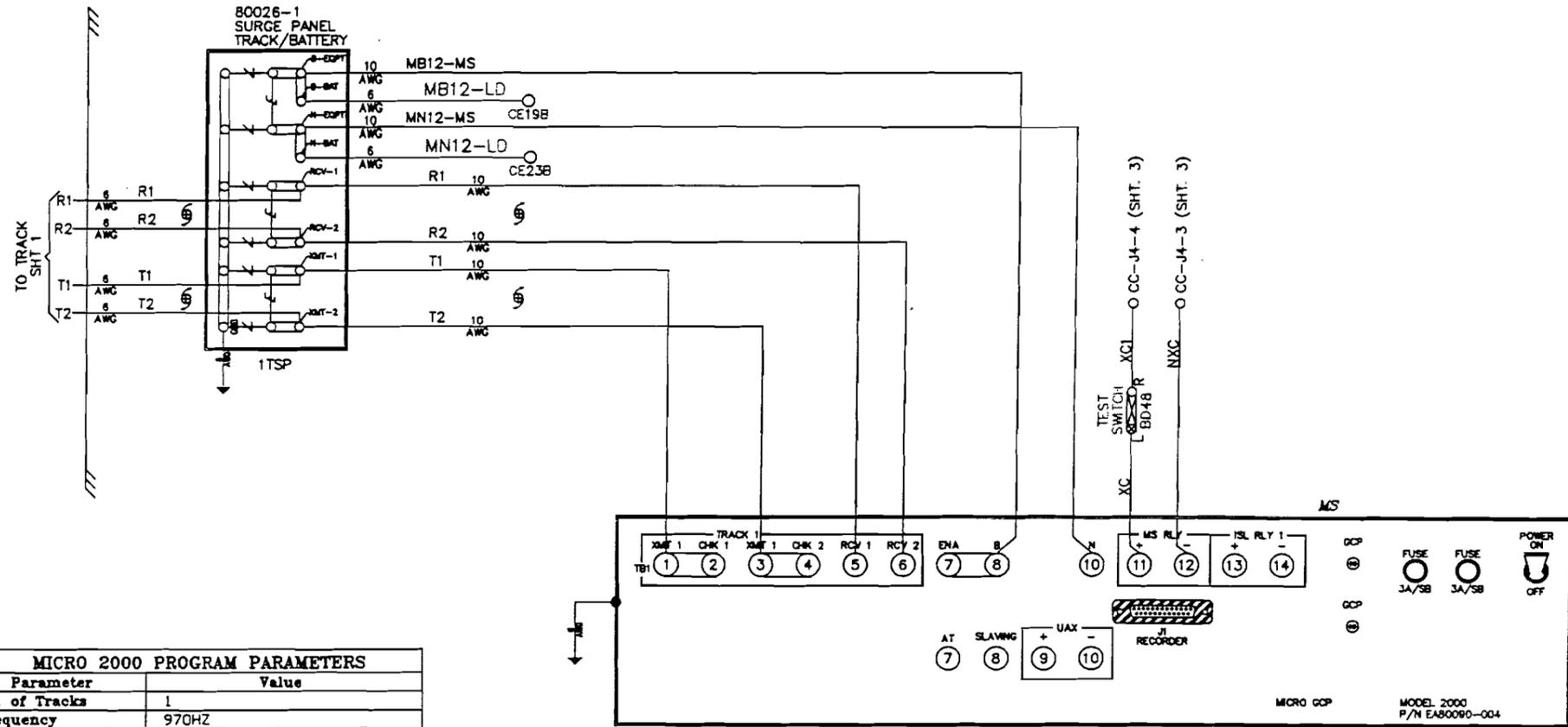


NOTE:
 All traffic control devices shall be consistent with the design and application of the standards contained in the "Manual on Uniform Traffic Control Devices", provided by the U.S. Department of Transportation and Federal Highway Administration.

- LEGEND
- 1. = TWO WAY INDICATION FLASHING LIGHT SIGNAL
 - 2. XX = BELL
 - 3. = RING 10 TRACK RECTIFIER
 - 4. = INSULATED RAIL JOINT

RECEIVED
 MAR 4 2008
 Illinois Commerce Commission
 RAIL SAFETY SECTION

	REVISIONS	THE OPERATION OF THE CIRCUITS AND EQUIPMENT REPRESENTED CANNOT BE FINALLY CHECKED UNTIL CONNECTED TO FORM A COMPLETE SYSTEM OR PORTION OF SUCH SYSTEM. SUCH SYSTEM OR PORTION OF SUCH SYSTEM MUST UNDERGO A COMPLETE CIRCUIT CONTACT SELECTION (BREAKDOWN) & SERVICE (OPERATIONAL) TEST PRIOR TO BEING PLACED INTO SERVICE.	THE BLOOMER LINE GIBSON CITY, IL																																
	REVISED PER AS INSTALLED PLANS 06/26/03	L&W INDUSTRIES, INC. SPRINGFIELD, MO	ILLINOIS STATE ROUTE 9 GIBSON CITY, IL RAIL-HIGHWAY GRADE CROSSING WARNING SYSTEM TRACK LAYOUT AND PLAT PLAN																																
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">DATE</td> <td style="width: 50%;">09/15/01</td> </tr> <tr> <td>DESIGNED</td> <td>ROLLO WATKINS</td> </tr> <tr> <td>DRAWN:</td> <td>ROLLO WATKINS</td> </tr> <tr> <td>CHECKED</td> <td></td> </tr> </table>	DATE	09/15/01	DESIGNED	ROLLO WATKINS	DRAWN:	ROLLO WATKINS	CHECKED		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DRAWN</td> <td style="width: 25%;">L&W INDS.</td> <td style="width: 25%;">DATE</td> <td style="width: 25%;"></td> </tr> <tr> <td>CHECKED</td> <td></td> <td>SIZE</td> <td>REF. No.</td> </tr> <tr> <td>APPROVED</td> <td></td> <td>C</td> <td>BL011-01</td> </tr> <tr> <td></td> <td></td> <td>DWG NO.</td> <td>BL011</td> </tr> <tr> <td></td> <td></td> <td>REV</td> <td></td> </tr> <tr> <td></td> <td></td> <td colspan="2" style="text-align: right;">SHEET 1 OF 13</td> </tr> </table>	DRAWN	L&W INDS.	DATE		CHECKED		SIZE	REF. No.	APPROVED		C	BL011-01			DWG NO.	BL011			REV				SHEET 1 OF 13	
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		SHEET 1 OF 13																																	



MICRO 2000 PROGRAM PARAMETERS	
Parameter	Value
No. of Tracks	1
Frequency	970HZ
Uni/Bidirectional	T1=B1 T2
Xmit Level	T1=MED T2
Predictor/MS	T1=MS T2
Warning Time	38
Approach	500
UAX Pickup Delay	0
Island	T1=120 T2
ENA/UAX2 DELAY	0
No. of DAX's	0
DAX (T1 or T2?)	A= B= C= D=
DAX DISTANCE	A= B= C= D=
DAX WARNING TIME	A= B= C= D=
Slaving	MASTER
Password	DISABLED
Data Recorder	NOT INSTALLED

REVISIONS
REVISED PER
AS INSTALLED
PLANS
06/26/03

THE OPERATION OF THE CIRCUITS AND EQUIPMENT REPRESENTED CANNOT BE FINALLY CHECKED UNTIL CONNECTED TO FORM A COMPLETE SYSTEM OR PORTION OF SUCH SYSTEM. SUCH SYSTEM OR PORTION OF SUCH SYSTEM MUST UNDERGO A COMPLETE CIRCUIT CONTACT SELECTION (BREAKDOWN) & SERVICE (OPERATIONAL) TEST PRIOR TO BEING PLACED INTO SERVICE.

L&W INDS., INC,
SPRINGFIELD, MO

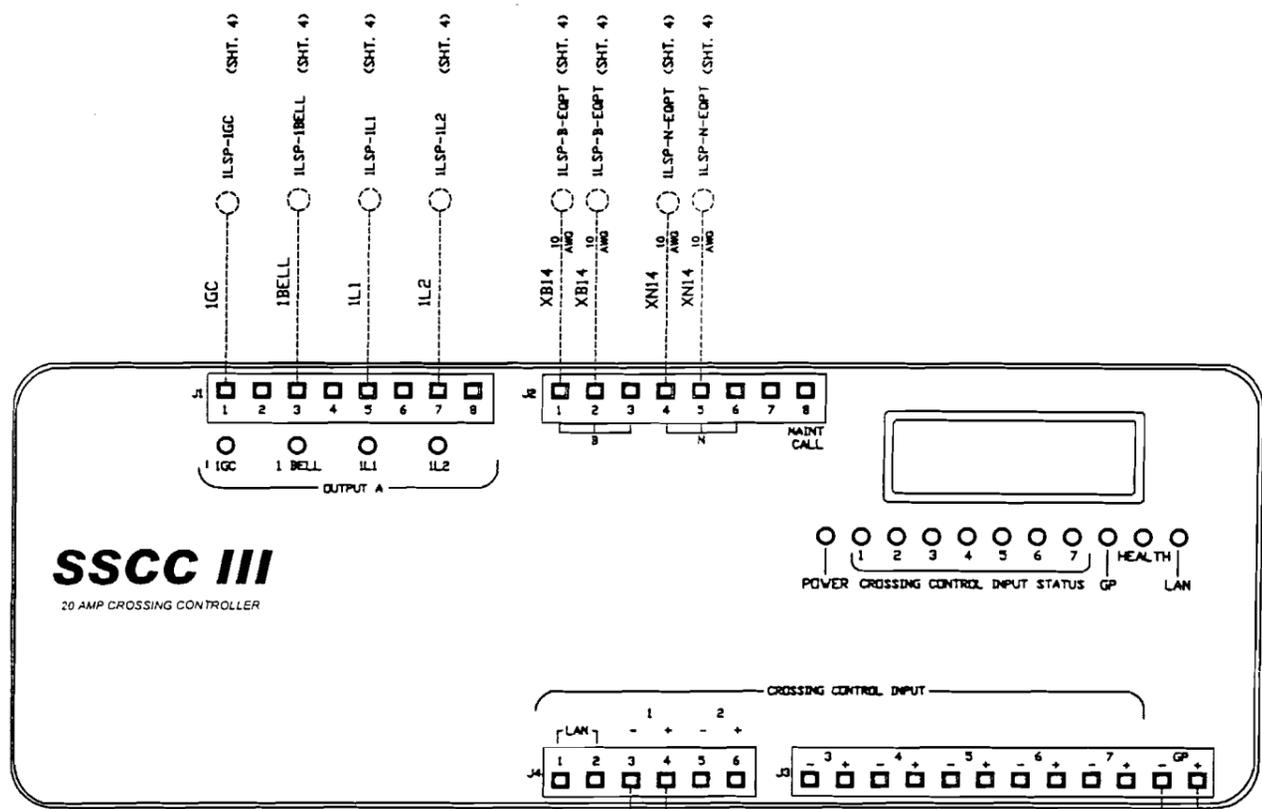
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CHECKED	

BLOOMER LINE RAILROAD
GIBSON CITY, ILLINOIS

DRAWN	L&W INDS.	DATE	09/15/01
CHECKED		SIZE	C
APPROVED		REF. No.	BL011-02
		DRG NO.	BL011
		REV	

ILLINOIS STATE HIGHWAY #9
RAIL-HIGHWAY GRADE CROSSING WARNING SYSTEM
MOTION SENSOR CIRCUITS

SHEET 02 OF 13



CROSSING CONTROLLER PROGRAM PARAMETERS	
Parameter	Value
Flash Rate	50fpm
Gate Control Delay	3-sec.
Bell on During Gate Up	Enabled
Enabled Inputs	Input #1 to Input #1
Low Battery Detection	Disabled
Daylight Savings	ON
Password	Disabled

- NOTES -

- UNLESS OTHERWISE NOTED, USE #10 AVG STRANDED WIRE.
- ⊖ 10 VOLT, 18 WATT BULB.
- ⊕ GROUND TO BE #6 AVG TO GROUND BAR.
- GCP - MODEL 3000D2 GRADE CROSSING PREDICTOR UNIT
- CC - SOLID STATE CROSSING CONTROLLER
- DRI - DATA RECORDER INTERFACE
- STR - SIDE TRACK RELAY
- ILSP - LIGHTING SURGE PANEL 1
- ILSP - LIGHTING SURGE PANEL 1

REVISIONS

REVISED PER AS INSTALLED PLANS
06/26/03

THE OPERATION OF THE CIRCUITS AND EQUIPMENT REPRESENTED CANNOT BE FINALLY CHECKED UNTIL CONNECTED TO FORM A COMPLETE SYSTEM OR PORTION OF SUCH SYSTEM. SUCH SYSTEM OR PORTION OF SUCH SYSTEM MUST UNDERGO A COMPLETE CIRCUIT CONTACT SELECTION (BREAKDOWN) & SERVICE (OPERATIONAL) TEST PRIOR TO BEING PLACED INTO SERVICE.

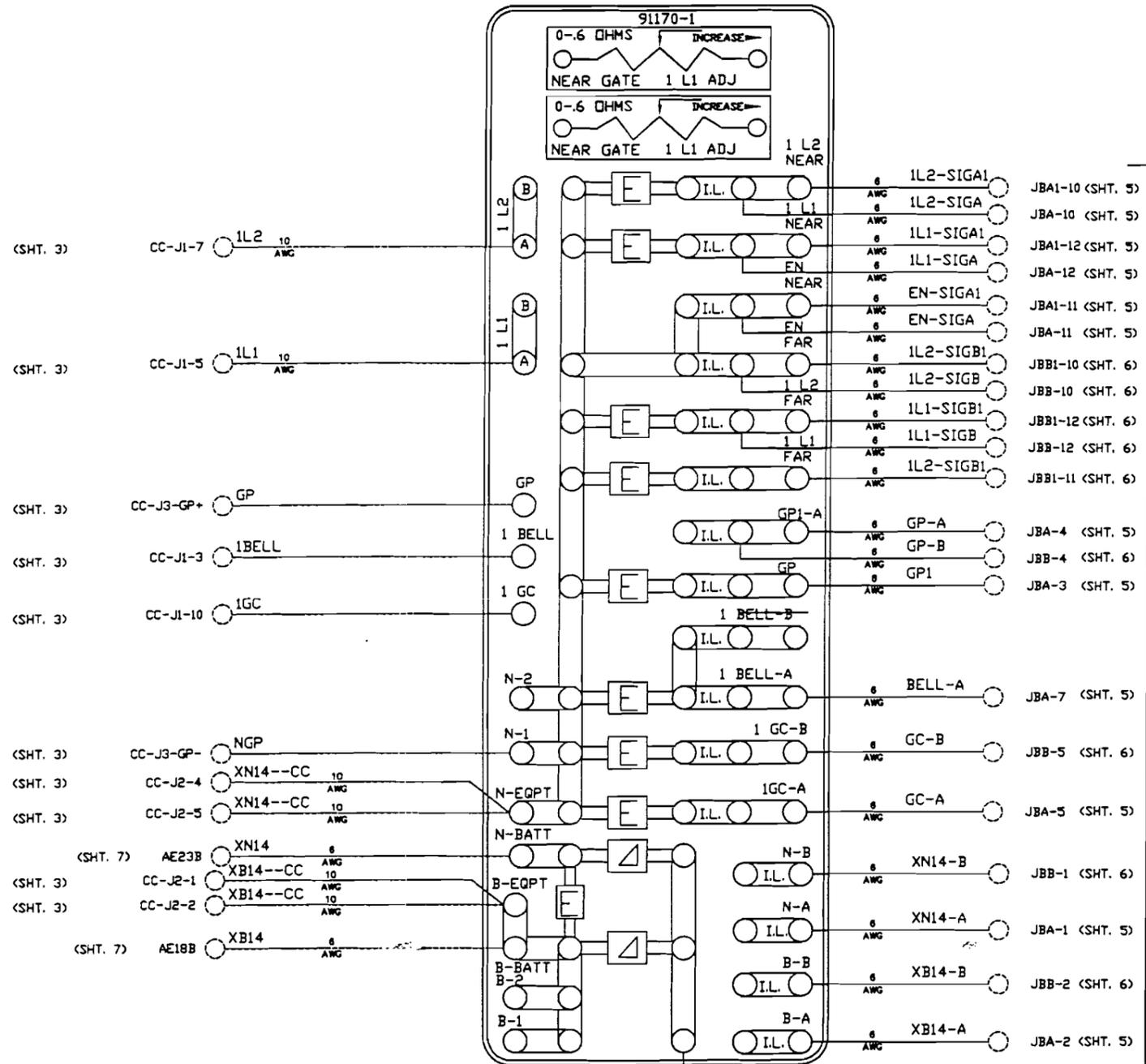
L&W INDUSTRIES, INC.
SPRINGFIELD, MO

DATE	09/15/01
DESIGNED	ROLLO WATKINS
DRAWN:	ROLLO WATKINS
CHECKED	

**THE BLOOMER LINE
GIBSON CITY, IL**

RAIL-HIGHWAY GRADE CROSSING WARNING SYSTEM
ILLINOIS STATE HIGHWAY #9
CROSSING CONTROLLER CIRCUITS

DRAWN	L&W INDS., INC	DATE	09/15/01
CHECKED		SIZE	C
APPROVED		REF. No.	BL011-03
		DWG NO.	BL011
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(SHT. 3)

(SHT. 7)

(SHT. 3)

(SHT. 3)

(SHT. 7)

- NOTES -
 USE #10 AWG STRANDED WIRE UNLESS OTHERWISE NOTED.
 / LIGHTNING ARRESTER.
 E TRACK EQUALIZER
 GROUND TO BE #6 AWG TO GROUND BAR.

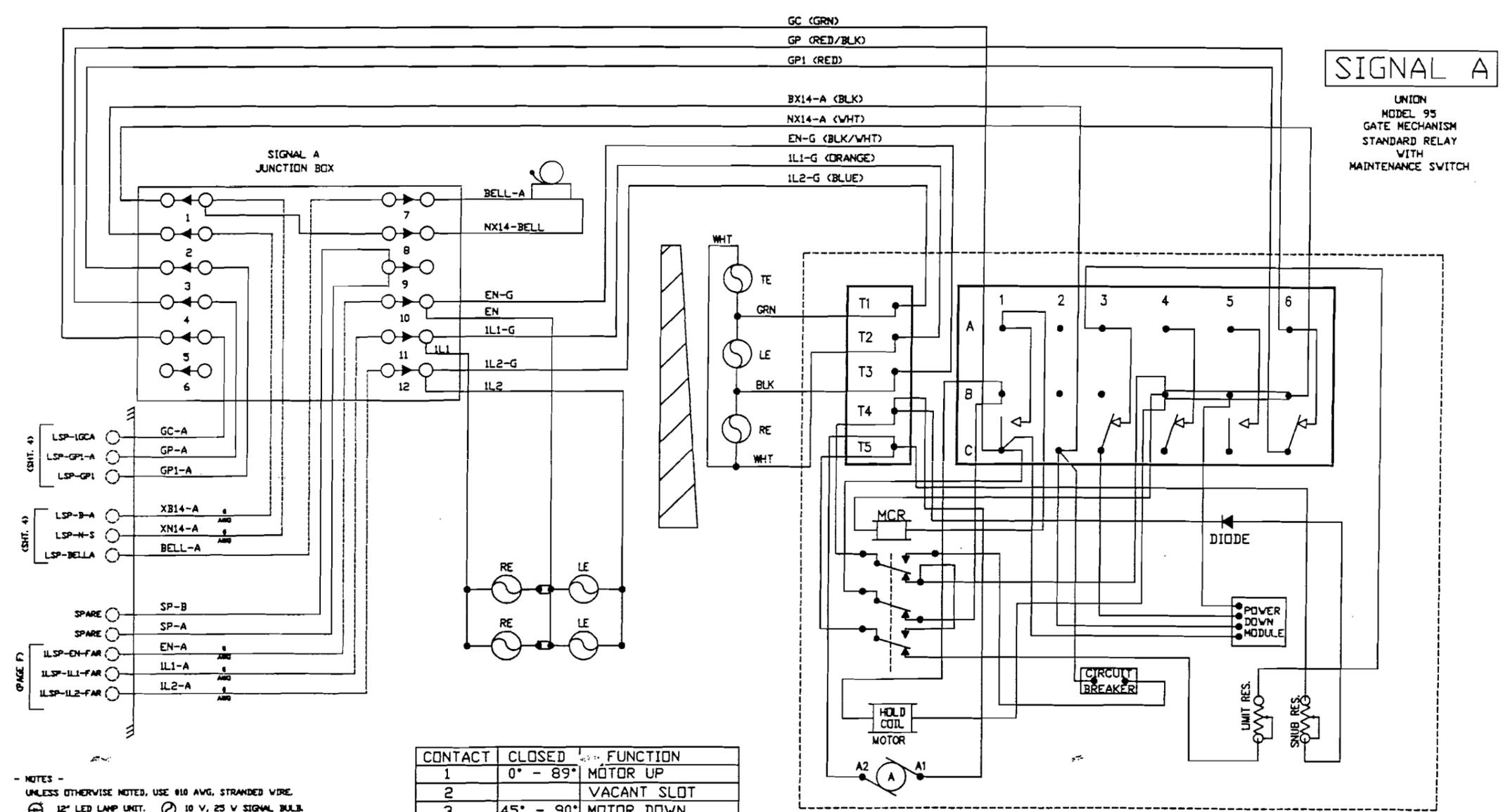
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L&W INDUSTRIES, INC.
 SPRINGFIELD, MO

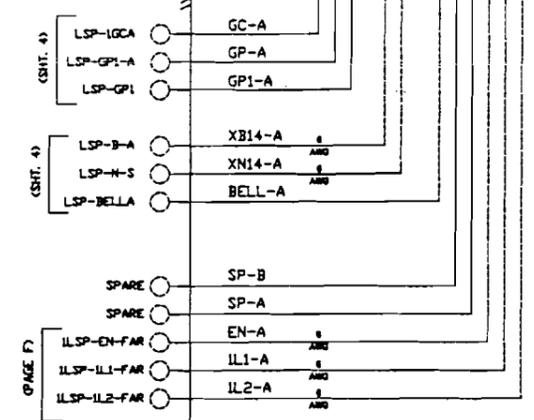
DATE	09/15/01
DESIGNED	ROLLO WATKINS
DRAWN	ROLLO WATKINS
CHECKED	

THE BLOOMER LINE GIBSON CITY, IL			
RAIL-HIGHWAY GRADE CROSSING WARNING SYSTEM ILLINOIS STATE HIGHWAY #9 CABLE INTERFACE AND SURGE SUPPRESSION CIRCUITS			
DRAWN	L&W INDS., INC.	DATE	09/15/01
CHECKED		SIZE	C
APPROVED		REF. No.	B011-04
		DWG. NO.	BLO11
		REV	
			SHEET 04 of 13

UNDERGROUND CABLES TO SIGNALS A & B



SIGNAL A
 UNION
 MODEL 95
 GATE MECHANISM
 STANDARD RELAY
 WITH
 MAINTENANCE SWITCH



NOTES -
 UNLESS OTHERWISE NOTED, USE #10 AWG, STRANDED WIRE.
 12" LED LAMP UNIT. 10 V, 25 V SIGNAL BULB.
 ELECTRONIC CROSSING BELL, MAST TOP MOUNT.

CONTACT	CLOSED	FUNCTION
1	0° - 89°	MOTOR UP
2		VACANT SLOT
3	45° - 90°	MOTOR DOWN
4	5° - 90°	BELL
5	0° - 5°	GATE DN IND
6	83° - 90°	FLASHING LIGHT

CIRCUIT SHOWN WITH GATE MECHANISM
 IN CLEAR POSITION (90°).

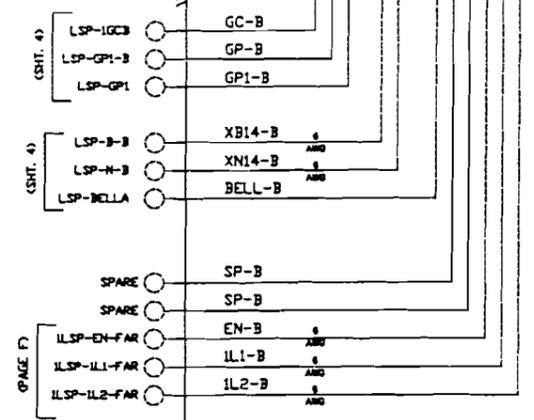
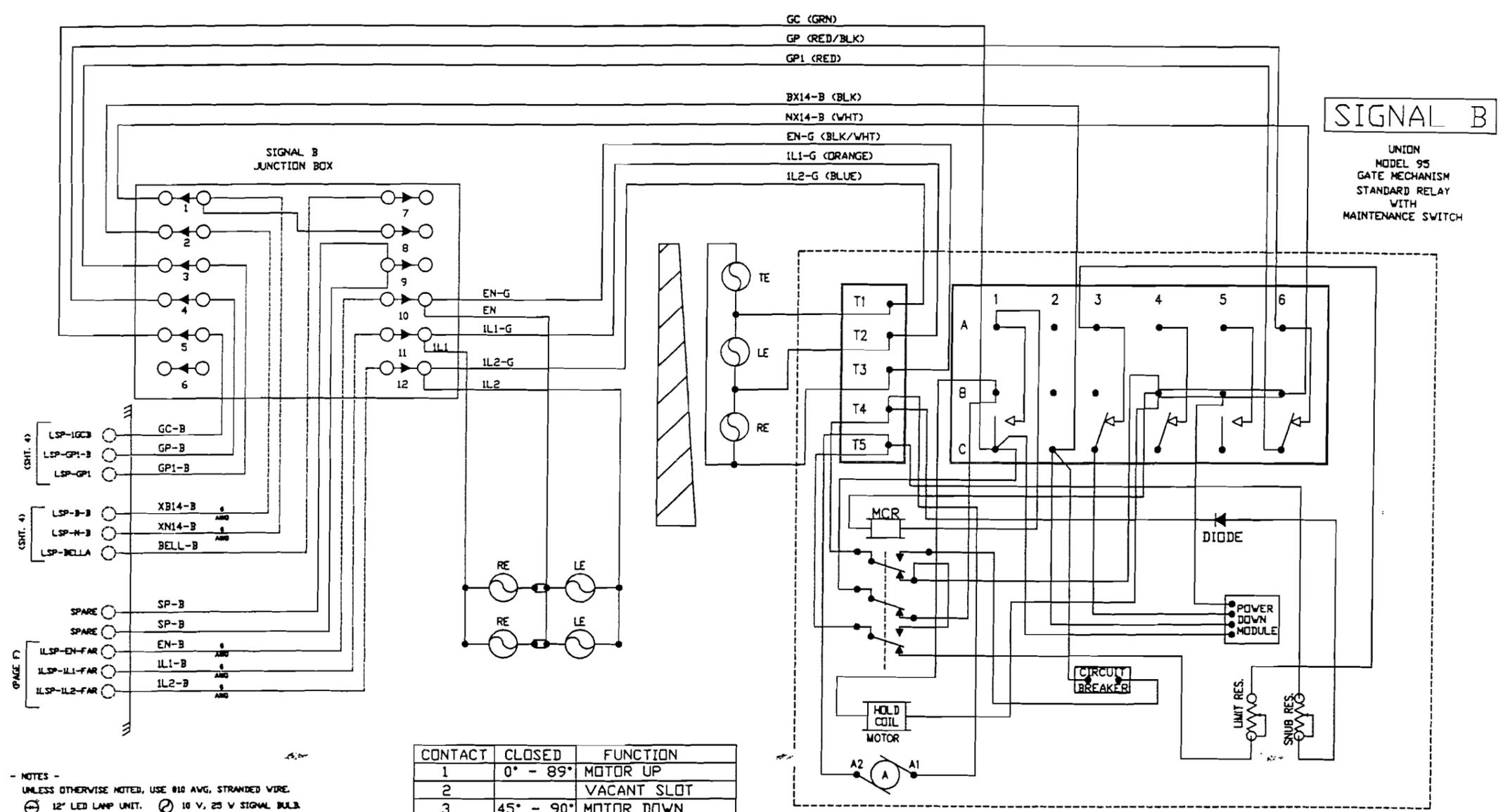
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**THE BLOOMER LINE
 GIBSON CITY, IL**

RAIL-HIGHWAY GRADE CROSSING WARNING SYSTEM
 ILLINOIS STATE HIGHWAY #9
 SIGNAL & GATE #1 CIRCUITS

DATE	09/15/01	DRAWN	LAW INDS.	DATE	09/15/01
DESIGNED	ROLLO WATKINS	CHECKED		SIZE	C
DRAWN	ROLLO WATKINS	APPROVED		REF. No.	BL011
CHECKED				DWG NO.	BL011
				REV	
				SHEET	05 OF 12

L&W INDUSTRIES, INC.
 SPRINGFIELD, MO



- NOTES -
 UNLESS OTHERWISE NOTED, USE #10 AWG, STRANDED WIRE.
 (L) 12" LED LAMP UNIT. (S) 10 V, 25 V SIGNAL BULB.
 (B) ELECTRONIC CROSSING BELL, MAST TOP MOUNT.

CONTACT	CLOSED	FUNCTION
1	0° - 89°	MOTOR UP
2		VACANT SLOT
3	45° - 90°	MOTOR DOWN
4	5° - 90°	BELL
5	0° - 5°	GATE DN IND
6	83° - 90°	FLASHING LIGHT

CIRCUIT SHOWN WITH GATE MECHANISM IN CLEAR POSITION <90°>.

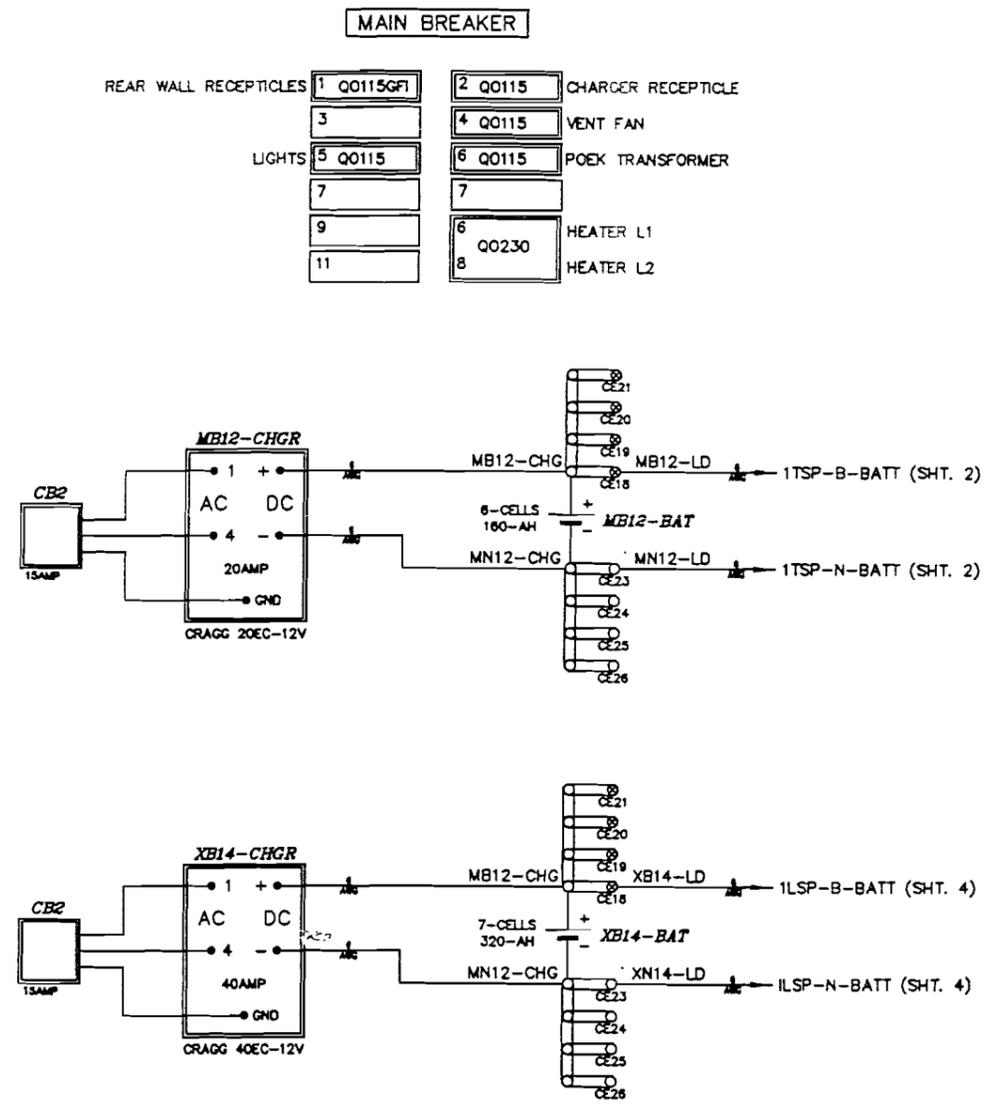
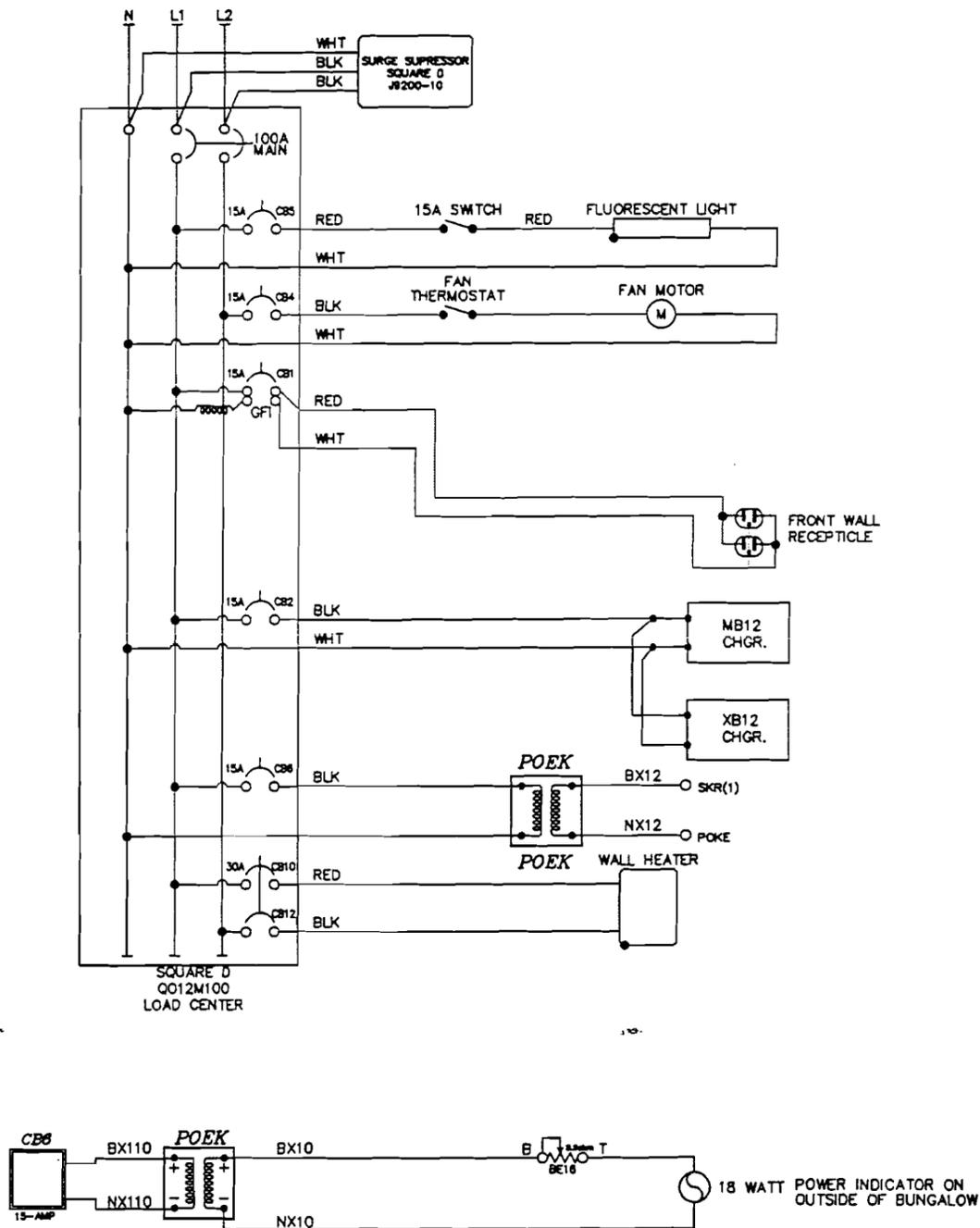
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L&W INDUSTRIES, INC.
 SPRINGFIELD, MO

THE BLOOMER LINE
 GIBSON CITY, IL

RAIL-HIGHWAY GRADE CROSSING WARNING SYSTEM
 ILLINOIS STATE HIGHWAY #9
 SIGNAL & GATE-B CIRCUITS

DATE	09/15/01	DESIGNED	ROLLO WATKINS	DRAWN	ROLLO WATKINS	CHECKED		APPROVED		SIZE	C	REF. No.	BL011-06	DWG NO.	BL011	REV	
SHEET 06 of 13																	

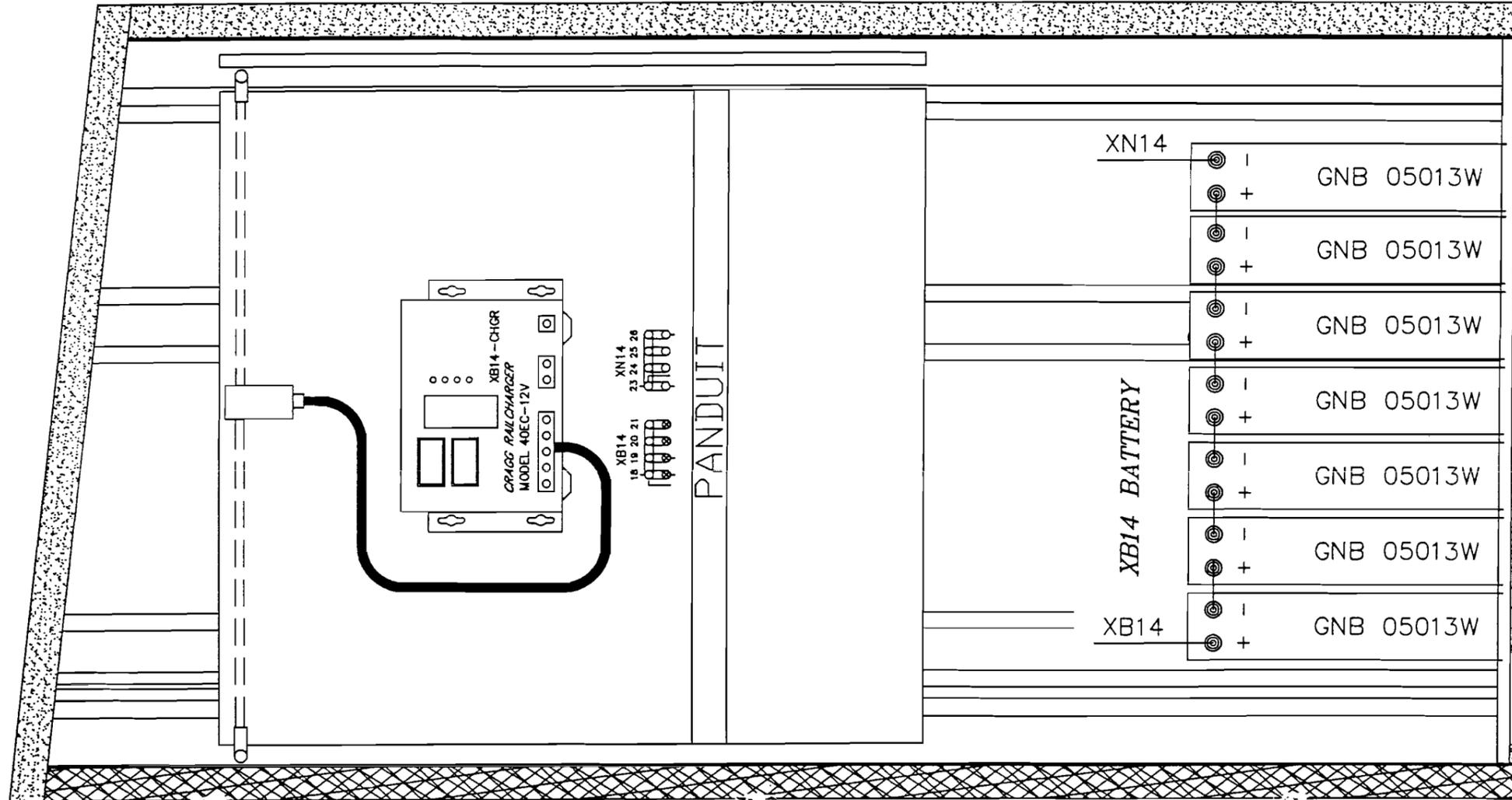


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L&W INDS., INC,
SPRINGFIELD, MO

DATE	09/15/01
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DRAWN	ROLLO WATKINS
CHECKED	

BLOOMER LINE RAILROAD GIBSON CITY, ILLINOIS			
ILLINOIS STATE HIGHWAY #9 RAIL-HIGHWAY GRADE CROSSING WARNING SYSTEM DC & AC POWER CIRCUITS			
DRAWN	L&W INDS.	DATE	09/15/01
CHECKED		SIZE	C
APPROVED		REF. No.	B011-07
		DWG NO.	B011
		REV	
			SHEET 07 OF 13



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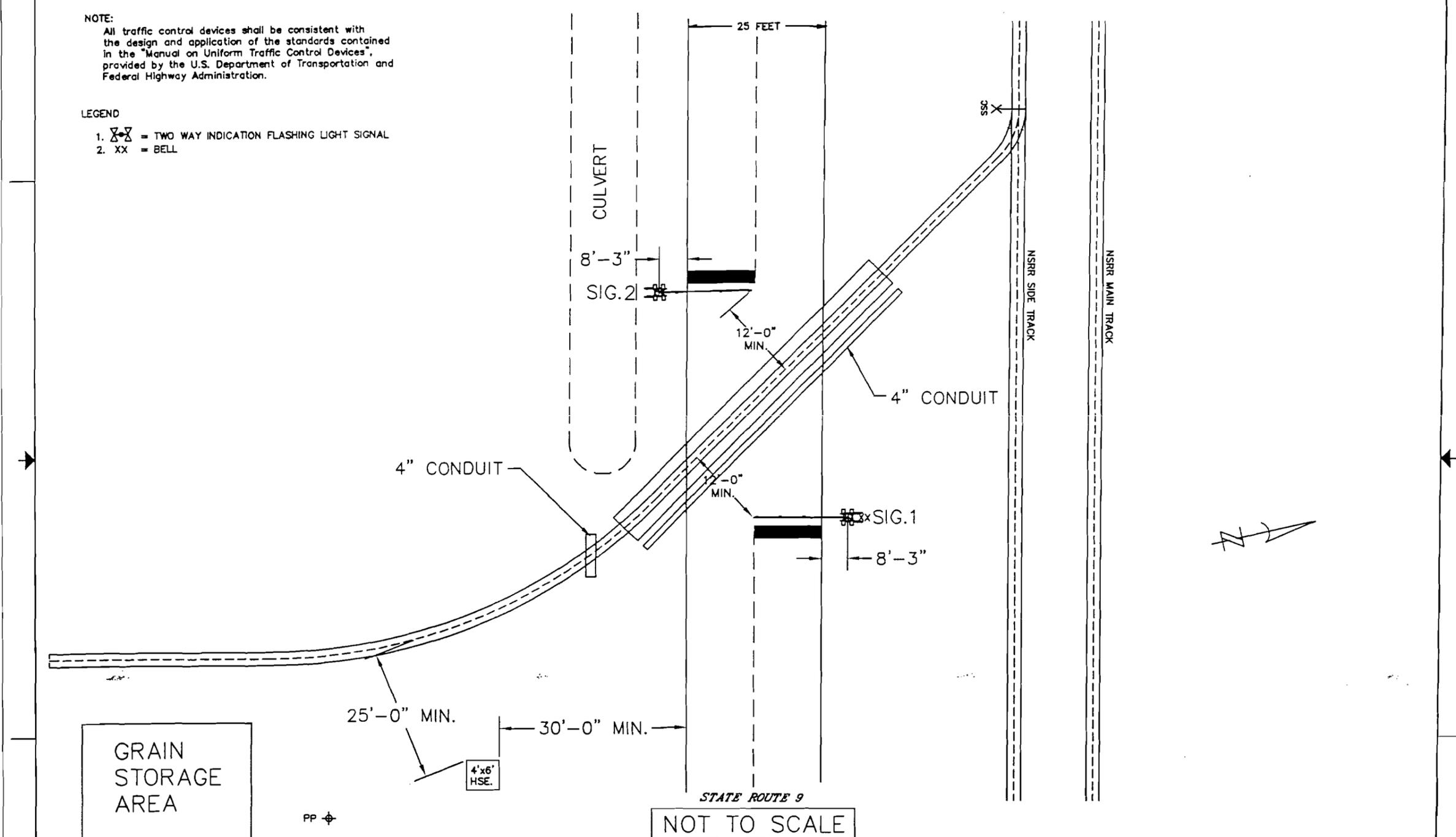
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APPROVED				REF. No.		B011-08	
				DWG. NO.		B011	
				REV			
				SHEET		08 of 13	

**BLOOMER LINE RAILROAD
GIBSON CITY, ILLINOIS**

ILLINOIS STATE HIGHWAY #9
RAIL-HIGHWAY GRADE CROSSING WARNING SYSTEM
SIDE-A EQUIPMENT LAYOUT DETAILS

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- LEGEND
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 2. XX = BELL



NOT TO SCALE

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	DESIGNED ROLLO WATKINS	DRAWN: ROLLO WATKINS	CHECKED	APPROVED	SIZE C	REF. No. BL011-13	DWG NO. BL011-13