



**Iowa Interstate Railroad, LTD.**  
5900 6<sup>th</sup> Street Southwest  
Cedar Rapids, Iowa 52404-4804  
Office: (319) 298-5417  
FAX: (319) 298-5457

**RECEIVED**  
APR 22 2009

Illinois Commerce Commission  
RAIL SAFETY SECTION

April 13, 2009

Rod Bergeron  
Railroad Safety Specialist, Crossing Warning Devices  
Illinois Commerce Commission  
Transportation Division – Railroad Section  
527 East Capitol Avenue  
Springfield, Illinois 62701

Re: Form 3 Petition for the Route 17 (Ferry Street) crossing of Iowa Interstate Railroad Ltd. In Sparland, Illinois.

Mr. Bergeron,

Attached is a Form 3 Petition for the signal upgrade project at the Route 17 (Ferry Street) crossing of the Iowa Interstate Railroad, Ltd. in Sparland, Illinois, DOT inventory 603 989P.

Please feel free to call me at 319-298-5417 (office) or 319-430-2351 (cell) with any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "TKlemm", written in a cursive style.

Thomas R. Klemm P.E.  
Engineer Public Works / Real Estate  
Iowa Interstate Railroad Ltd.

**ORIGINAL**

Form 3

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

**RECEIVED**  
APR 22 2009

Illinois Commerce Commission  
RAIL SAFETY SECTION

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d)

X-11874

Date: April 13, 2009

T09-0052

603989P

To the Illinois Commerce Commission:

The petitioner Iowa Interstate Railroad, Ltd. shows

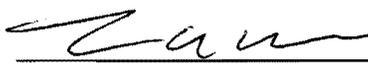
- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, the nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are

to upgrade the crossing warning protection from the current system in place.

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Iowa Interstate Railroad, Ltd.

By   
Thomas Klemm P. E.  
Engineer Public Works / Real Estate  
319-298-5417

Ed Krug  
(Attorney for Petitioner)

Krug Law Firm, plc  
P.O. Box 888  
6 Hawkeye Drive, Suite 103  
North Liberty, IA 52317  
(Attorney's Address)

**DOCKETED**

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Ill. Adm. Code 1535.400(d).

1. Name of Railroad Company Iowa Interstate Railroad, Ltd.
2. Crossing Number 603 989P
3. Village or City in Sparland
4. Name of Street or Highway Ferry St
5. Public Agency Maintaining Highway Illinois Department of Transportation
6. Protection now established: (Give full description. Indicate the hours of any manual protection.)  
Flashing Lights
7. Protection desired: (Give details)  
Flashing light signals with LED's with motion sensor equipment
8. Number of main tracks 1 Other tracks 1
9. Number of passenger train movements: 6 a.m. to 6 p.m. 0 6 p.m. to 6 a.m. 0
10. Number of freight train movements: 6 a.m. to 6 p.m. 2 6 p.m. to 6 a.m. 0
11. Approximate number of switch movements: 6 a.m. to 6 p.m. 0 6 p.m. to 6 a.m. 0
12. Maximum speed of trains at crossing on each track in each direction  
Track 1 N/E Bound 25 mph S/W Bound 25 mph  
Track 2 N/E Bound \_\_\_\_\_ mph S/W Bound \_\_\_\_\_ mph  
Track 3 N/E Bound \_\_\_\_\_ mph S/W Bound \_\_\_\_\_ mph
13. Passenger platforms served by tracks within the limits of track circuits, if any 0
14. Where automatic signals or gates are proposed, approximately number of train or engine movements daily which would cause false indications or operation 0

15. Nature and approximate amount of street or highway traffic over crossing

---

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

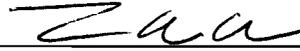
- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (sidelights, cantilevers, etc., if any).
- (e) Show the length of each operation track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

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VERIFICATION

I, **Thomas Klemm**, first being duly sworn upon oath depose and say that I am **Engineer Public Works / Real Estate of Iowa Interstate Railroad, Ltd.**, an **Delaware** corporation; that I have read the above and foregoing petition by me subscribed and know the contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon information and belief, and as to those, I believe same to be true.



---

**Engineer Public Works / Real Estate**

**COPY** Form 3

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

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NOV 14 2002

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d)

X-11874

Illinois Commerce Commission  
CROSSING PROTECTION

Date: November 8, 2002

To the Illinois Commerce Commission:

603989P

The petitioner Iowa Interstate Railroad shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, the nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are:

**Installation of flashing light upgrade and motion sensor circuitry.**

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Iowa Interstate Railroad

By

Pat Sheldon  
Assistant Vice President  
Engineering & Mechanical  
319-339-9504

T. Scott Bannister  
Attorney and Counselor at Law  
1300 Des Moines Building  
405 Sixth Avenue  
Des Moines, IA 50309

**DOCKETED**

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Ill. Adm. Code 1535.400(d).

1. Name of Railroad Company Iowa Interstate Railroad
2. Crossing Number 603 989P
3. Village or City Sparland, Illinois
4. Name of Street or Highway Route 17 (Ferry Street)
5. Public Agency Maintaining Highway D.O.T.
6. Protection now established:  
Flashing light signals.
7. Protection desired: Flashing light signal upgrade with motion sensor circuitry.
8. Number of main tracks 1 Other tracks 0
9. Number of passenger train movements:  
6 a.m. to 6 p.m. 0 6 p.m. to 6 a.m. 0
10. Number of freight train movements:  
6 a.m. to 6 p.m. 3 6 p.m. to 6 a.m.
11. Approximate number of switch movements:  
6 a.m. to 6 p.m. 0 6 p.m. to 6 a.m. 0
12. Maximum speed of trains at crossing on each track in each direction  
Track 1 N/E Bound 25 mph S/W Bound 25 mph  
Track 2 N/E Bound  mph S/W Bound  mph  
Track 3 N/E Bound  mph S/W Bound  mph
13. Passenger platforms served by tracks within the limits of track circuits, if any 0
14. Where automatic signals or gates are proposed, approximately number of train or engine movements daily which would cause false indications or operation 0

15. Nature and approximate amount of street or highway traffic over crossing

**Unknown**

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16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

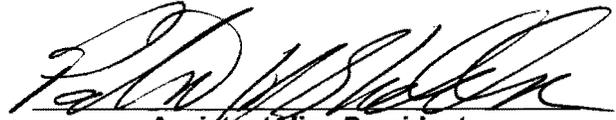
- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (sidelights, cantilevers, etc., if any).
- (e) Show the length of each operation track section within the control limits of the crossing protection and its function.

#### ADDITIONAL INFORMATION

- a) 38'
- b) IL 29 – 41' West of Tracks
- c) see layout
- d) see layout
- e) see layout

VERIFICATION

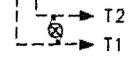
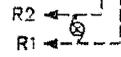
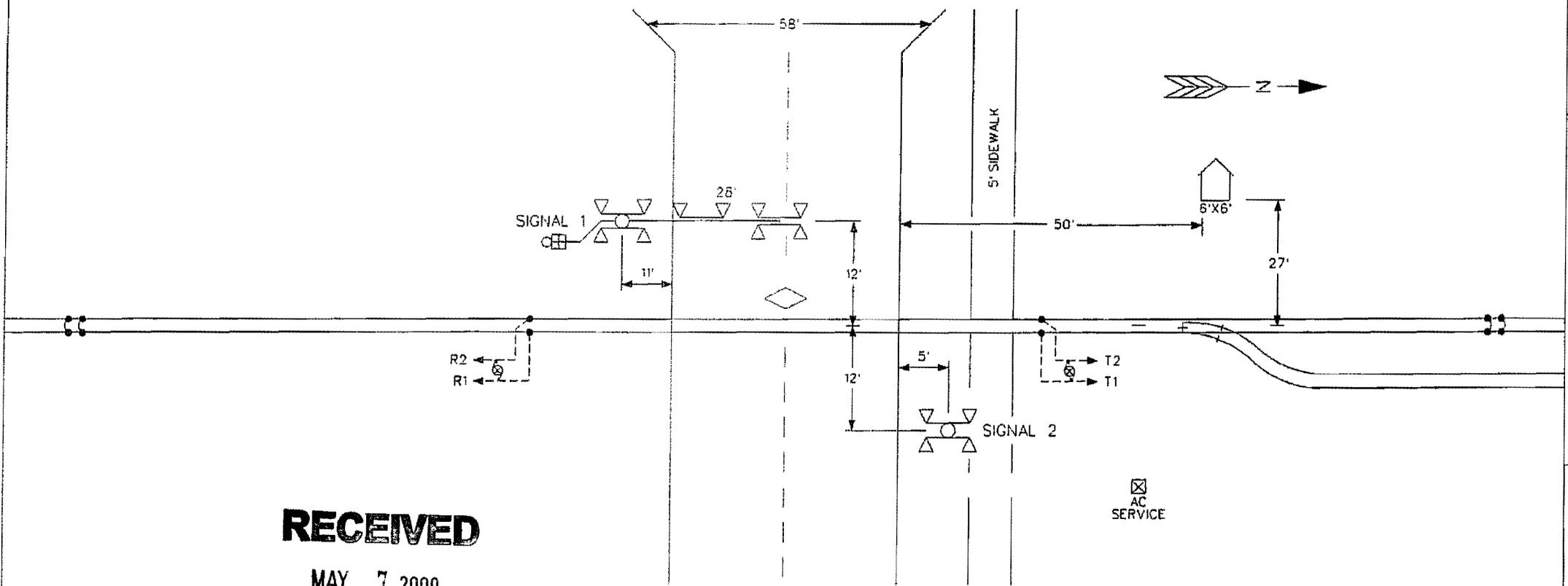
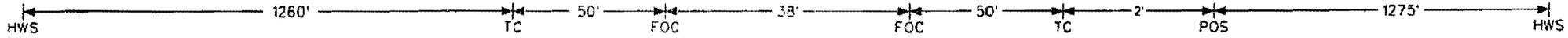
I, Pat Sheldon, first being duly sworn upon oath depose and say that I am **Assistant Vice President, Engineering and Mechanical** of **Iowa Interstate Railroad** a **Delaware** Corporation; that I have read the above and foregoing petition by me subscribed and know the contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon information and belief, and as to those, I believe same to be true.

A handwritten signature in black ink, appearing to read 'Pat Sheldon', written over a horizontal line.

**Assistant Vice President  
Engineering & Mechanical**

REVISIONS

04-09-03  
BBR/CHA



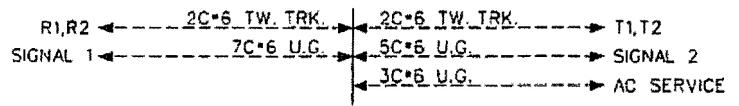
**RECEIVED**

MAY 7 2009

Illinois Commerce Commission  
RAIL SAFETY SECTION

NOTES:

1. FOC - FACE OF CURB
2. POS - POINT OF SWITCH
3. TC - TRACK CONNECTION
4. HWS - HARD WIRE SHUNT
5. - TWIST AT LEAST 2 TURNS PER FOOT
6. - BELL
7. - HARMON HXP-3R, 522 HZ, 8.0 KHZ



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IOWA CITY, IOWA 52240-4806  
**Balfour Beatty**  
Rail Systems, Inc.  
4390 WILSON ROAD  
JACKSONVILLE, FL 32219

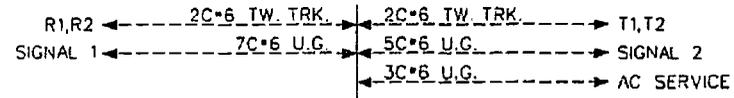
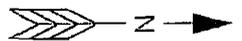
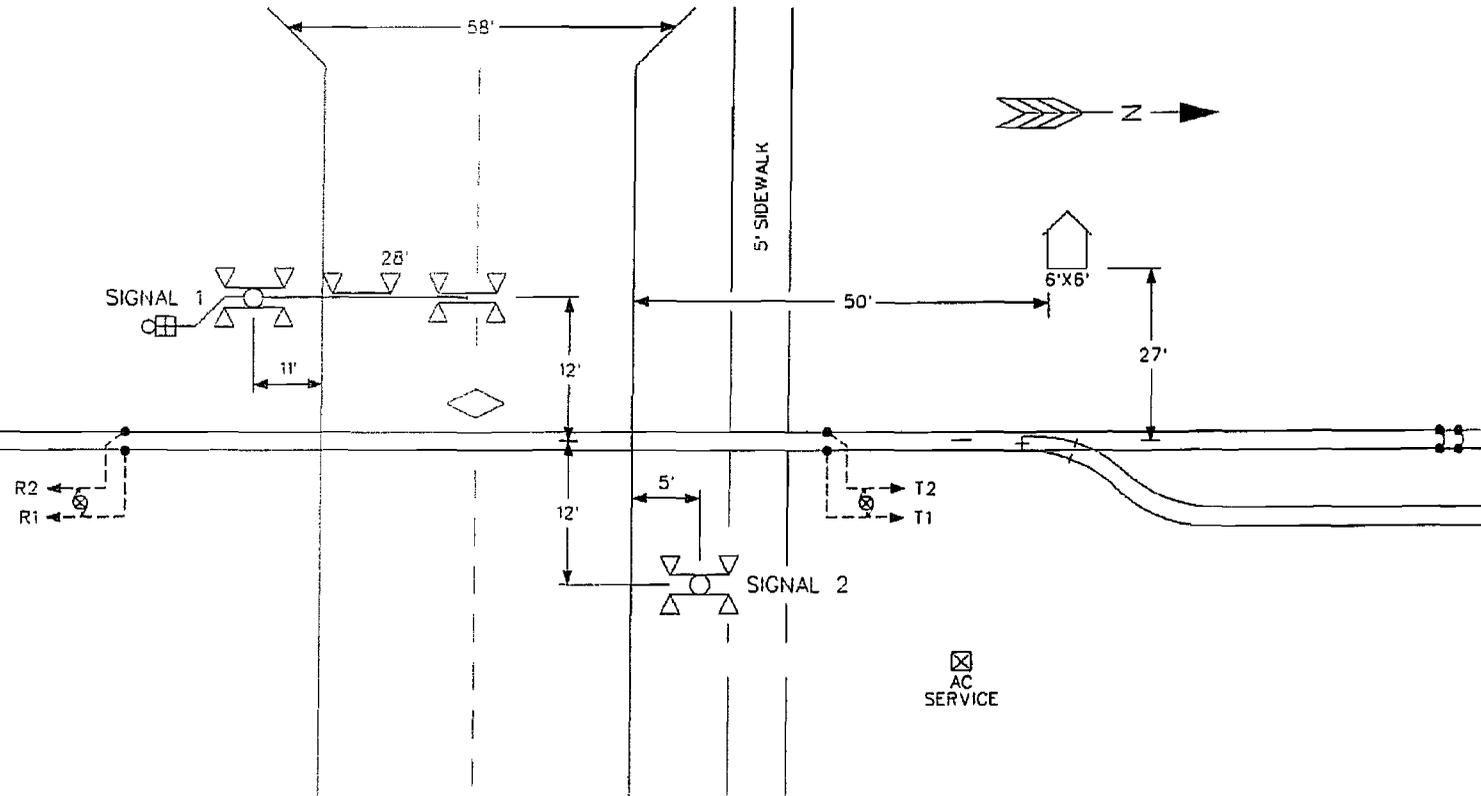
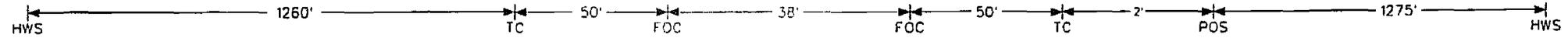
ROUTE 17 (FERRY STREET)  
SIGNAL LOCATION PLAN  
HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

DATE: 08-08-02	DESIGN BY: J.L.M.
SCALE: NONE	DRAWN BY: J.L.M.
DOT/AAR NO: 503 989P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	IA102-03979-200
BBR/JAX JOB NO.:	

DRAWING NO.:  
134.73  
SHEET NO.:  
1 OF 9

REVISIONS

04-09-03  
BBR/CHA



- NOTES:**
1. FOC - FACE OF CURB
  2. POS - POINT OF SWITCH
  3. TC - TRACK CONNECTION
  4. HWS - HARD WIRE SHUNT
  5. - TWIST AT LEAST 2 TURNS PER FOOT
  6. - BELL
  7. - HARMON HXP-3R, 522 HZ, 8.0 KHZ

IOWA INTERSTATE R.R. LTD  
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IOWA CITY, IOWA 52240-4806  
**Balfour Beatty**  
Rail Systems, Inc.  
4390 WESON ROAD  
JACKSONVILLE, FL 32218

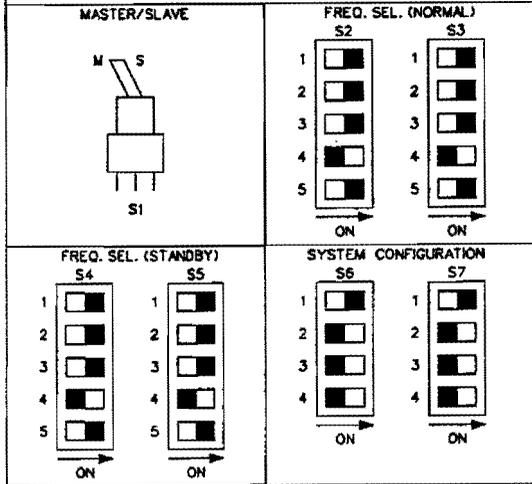
ROUTE 17 (FERRY STREET)  
SIGNAL LOCATION PLAN  
HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

DATE: 08-08-02	DESIGN BY: J.L.M.
SCALE: NONE	DRAWN BY: J.L.M.
DOT/AAR NO: 6D3 989P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	
BBR/JAX JOB NO.:	IA102-03979-200

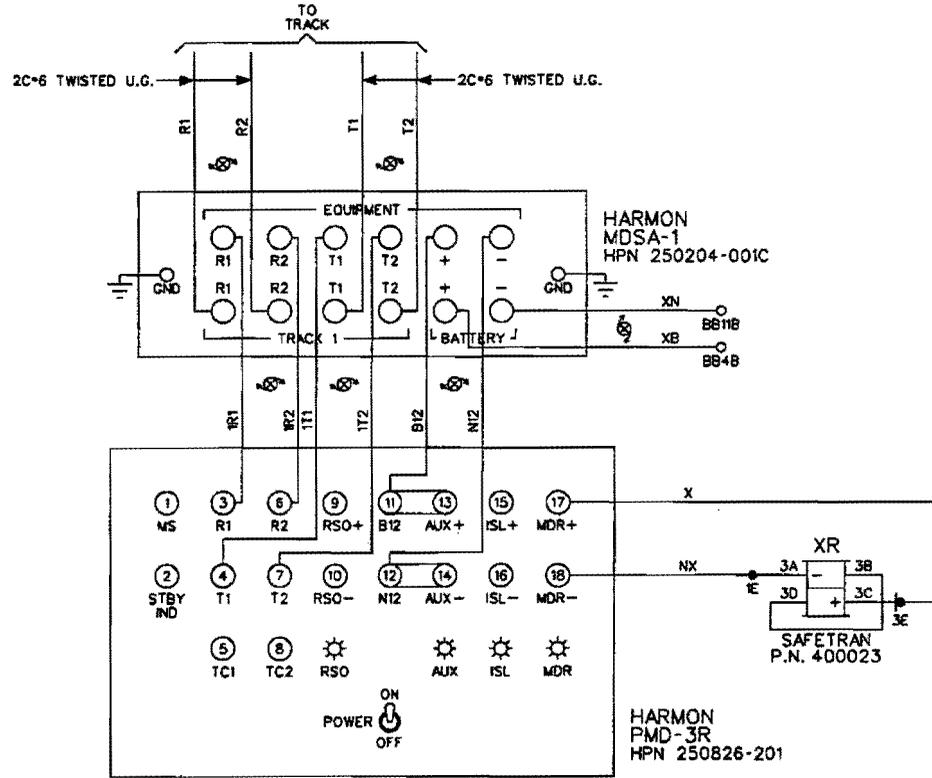
DRAWING NO.:  
134.73  
SHEET NO.:  
1 OF 9

REVISIONS

ENCLOSURE SWITCH ADJUSTMENTS



MODEL PMD-3R MODULE ASSEMBLIES										
MODULE POSITION	1	2	3	4	5	6	7	8	9	10
MODULE PART NUMBER	226739-000	226734-000	226734-000	226736-00	226736-00	226735-000	226735-000	226732-000	226732-000	226738-001
MODULE LIST	RECORDER MEMORY	TRANSMITTER/RECEIVER (NRML)	TRANSMITTER/RECEIVER (STBY)	RANDOM SIGNATURE ISLAND (NRML)	RANDOM SIGNATURE ISLAND (STBY)	RELAY DRIVE (NRML)	RELAY DRIVE (STBY)	CENTRAL PROCESSOR (NRML)	CENTRAL PROCESSOR (STBY)	TRANSFER LOGIC
MODULES USED	x	x	x	x	x	x	x	x	x	x



NOTES:

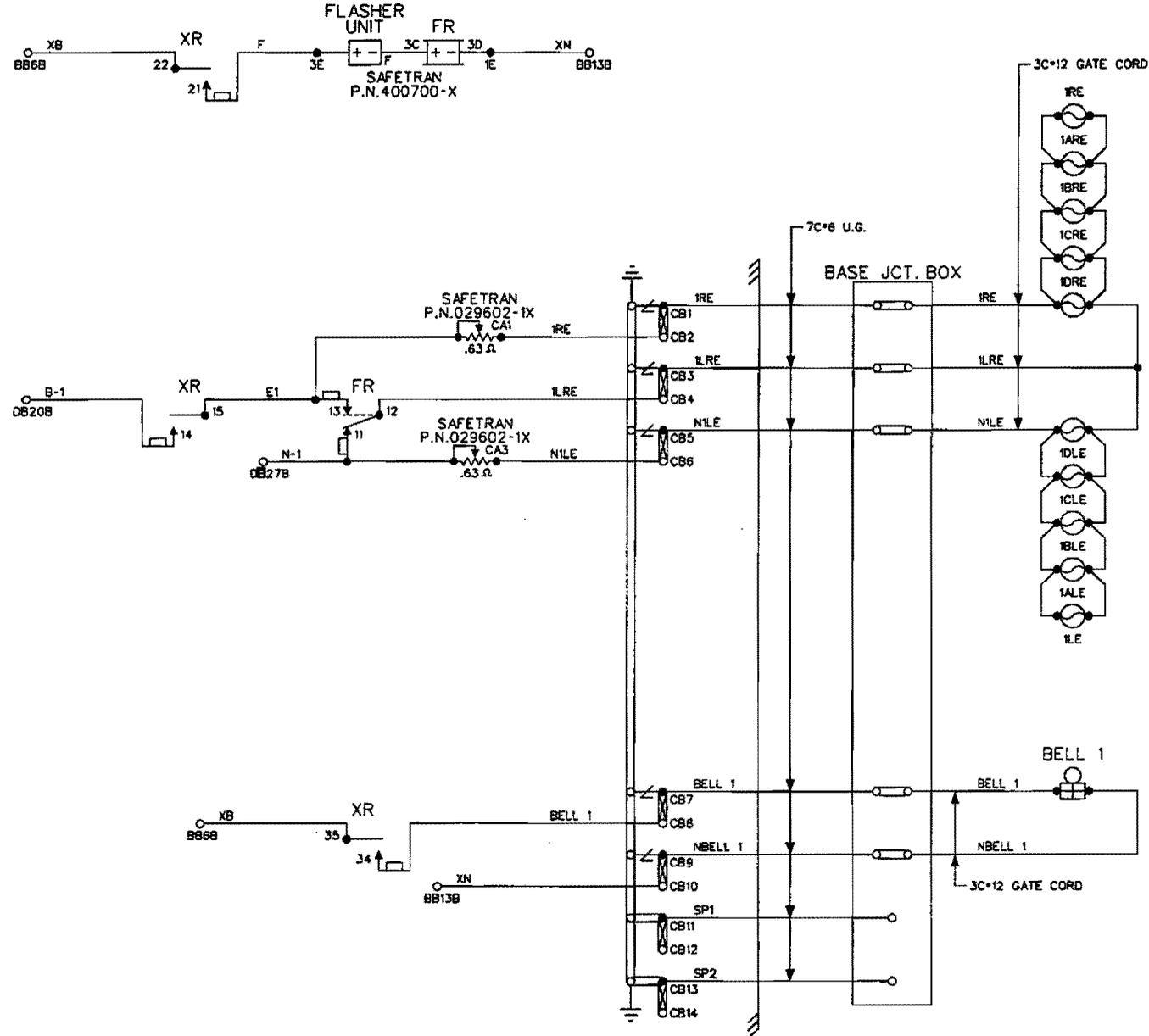
1. - TWIST AT LEAST 2 TURNS PER FOOT
2. ALL WIRE #10 FLEX.

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 JACKSONVILLE, FL 32218

ROUTE 17 (FERRY STREET)  
 PMD-3R CIRCUIT PLAN  
 HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
 CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

DATE: 08-08-02	DESIGN BY: J.L.M.
SCALE: NONE	DRAWN BY: J.L.M.
DOT/AAR NO: 603 988P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	
BBR/JAX JOB NO.:	IA02-03979-200
DRAWING NO.:	134.73
SHEET NO.:	2 OF 9

REVISIONS



NOTES:

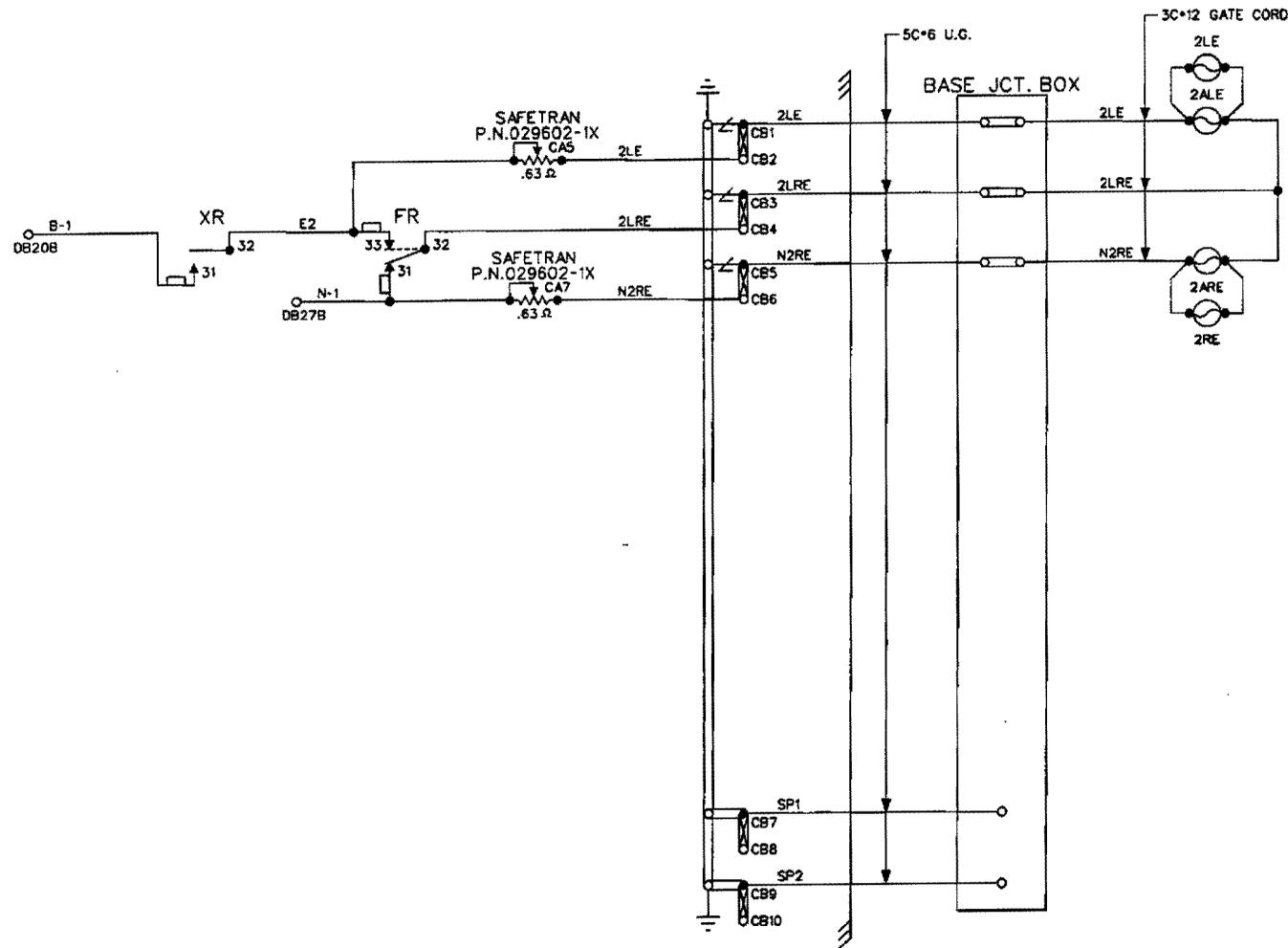
1. ⚡ - HIGH VOLTAGE ARRESTER
2. ALL UNMARKED HOUSE WIRING TO BE \*10 FLEX.

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 JACKSONVILLE, FL 32219

ROUTE 17 (FERRY STREET)  
 SIGNAL 1 CIRCUIT PLAN  
 HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
 CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

DATE: 08-08-02	DESIGN BY: J.L.M.
SCALE: NONE	DRAWN BY: J.L.M.
DOT/APP NO: 603 988P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	
BBR/JAX JOB NO.: IA102-03979-200	
DRAWING NO.:	
134.73	
SHEET NO.:	
3 OF 9	

REVISIONS



NOTES:

1. ⚡ - HIGH VOLTAGE ARRESTER
2. ALL UNMARKED HOUSE WIRING TO BE #10 FLEX.

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 JACKSONVILLE, FL 32219

ROUTE 17 (FERRY STREET)  
 SIGNAL 2 CIRCUIT PLAN

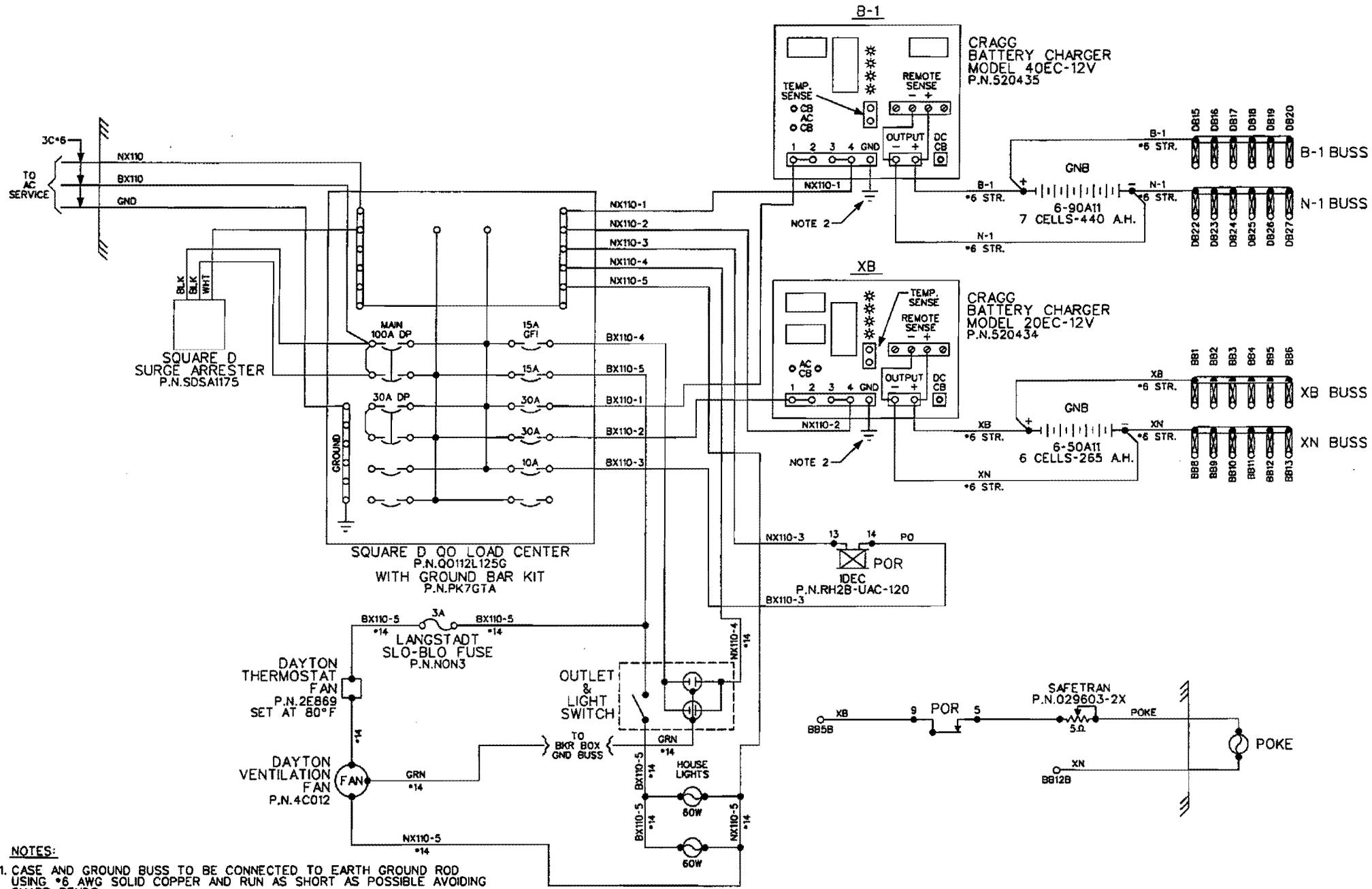
HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
 CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

DATE: 08-08-02	DESIGN BY: J.L.M.
SCALE: NONE	DRAWN BY: J.L.M.
DOT/PAK NO: 603 988P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	
BBR/JAX JOB NO.:	IAD2-03979-200

DRAWING NO.:  
 134.73

SHEET NO.:  
 4 OF 9

REVISIONS



NOTES:

1. CASE AND GROUND BUSS TO BE CONNECTED TO EARTH GROUND ROD USING #6 AWG SOLID COPPER AND RUN AS SHORT AS POSSIBLE AVOIDING SHARP BENDS.
2. GROUND WIRE TO BE #6 AWG NON-INSULATED BONDSTRAND AND RUN AS SHORT AS POSSIBLE AVOIDING SHARP BENDS.
3. ALL WIRE THIS SHEET #10 FLEX UNLESS OTHERWISE NOTED.

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ROUTE 17 (FERRY STREET)  
 POWER DISTRIBUTION PLAN  
 HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
 CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

DATE: 08-08-02	DESIGN BY: J.L.M.
SCALE: NONE	DRAWN BY: J.L.M.
DOT/MAR NO: 603 988P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	
BBR/JAX JOB NO.:	IA102-03979-200
DRAWING NO.: 134.73	
SHEET NO.: 5 OF 9	

**Balfour Beatty**  
 Rail Systems, Inc.  
 4390 MESON ROAD  
 JACKSONVILLE, FL 32219

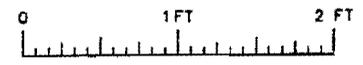
REVISIONS

SIDE B

6 CELLS GMB  
XB BATTERIES

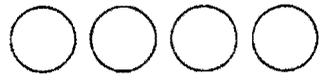
SHELF

SIDE A



SIDE C

TERMINAL BOARD



SHELF

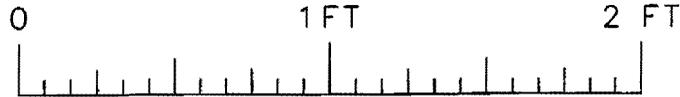
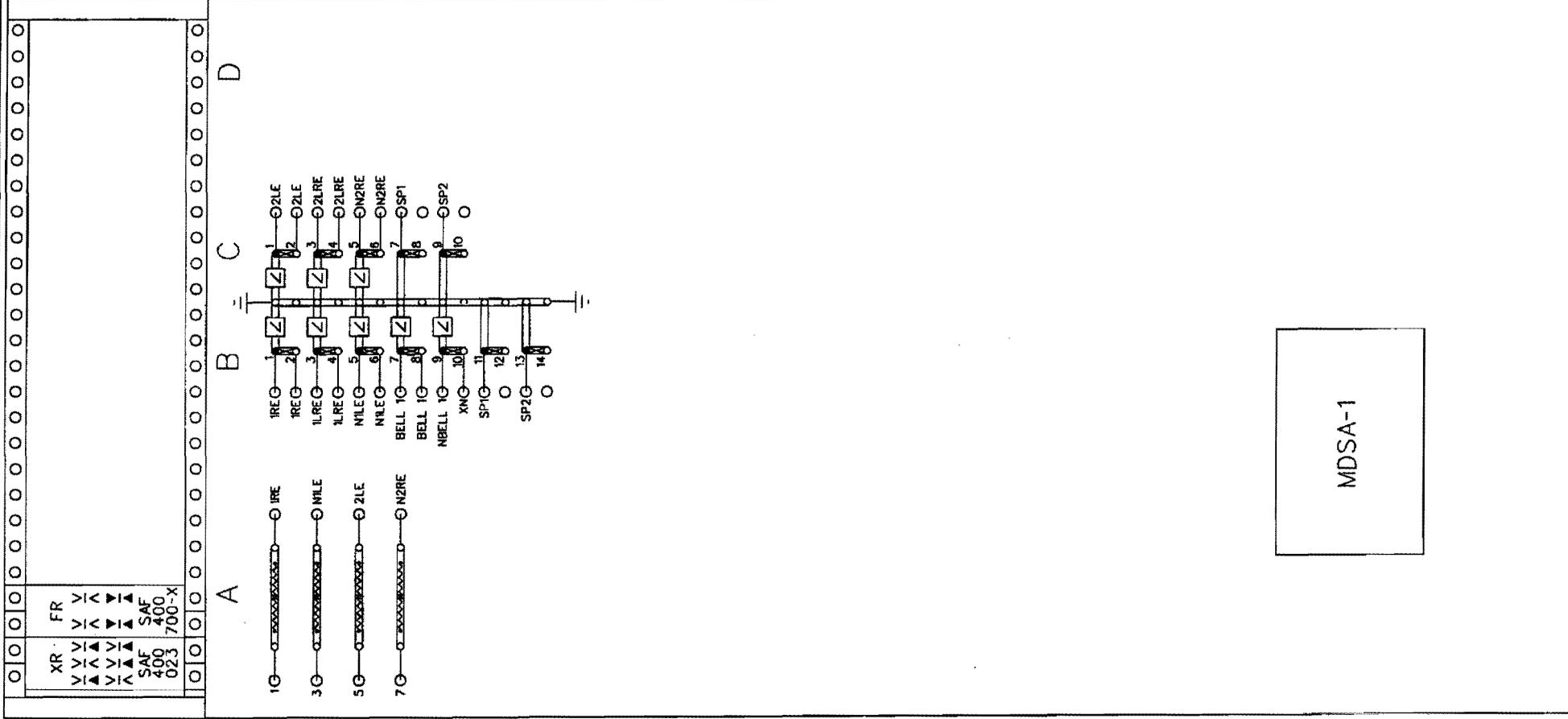
SIDE D

7 CELLS GMB  
B-1 BATTERIES

DATE: 08-08-02	DESIGN BY: J.L.M.	IOWA INTERSTATE R.R. LTD 800 WEBER STREET IOWA CITY, IOWA 52240-4806
SCALE: AS SHOWN	DRAWN BY: J.L.M.	<b>Balfour Beatty</b> <i>Rail Systems, Inc.</i>
DOT/AAR NO: 603 988P	CHECKED BY: C.A.L.	4390 WESON ROAD JACKSONVILLE, FL 32219
BBR/VER JOB NO.:		
BBR/JAX JOB NO.: 1A102-03979-200		
DRAWING NO.: 134.73		
SHEET NO.: 6 OF 9		
ROUTE 17 (FERRY STREET) 6' X 6' HOUSE LAYOUT HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS		

REVISIONS

SIDE C

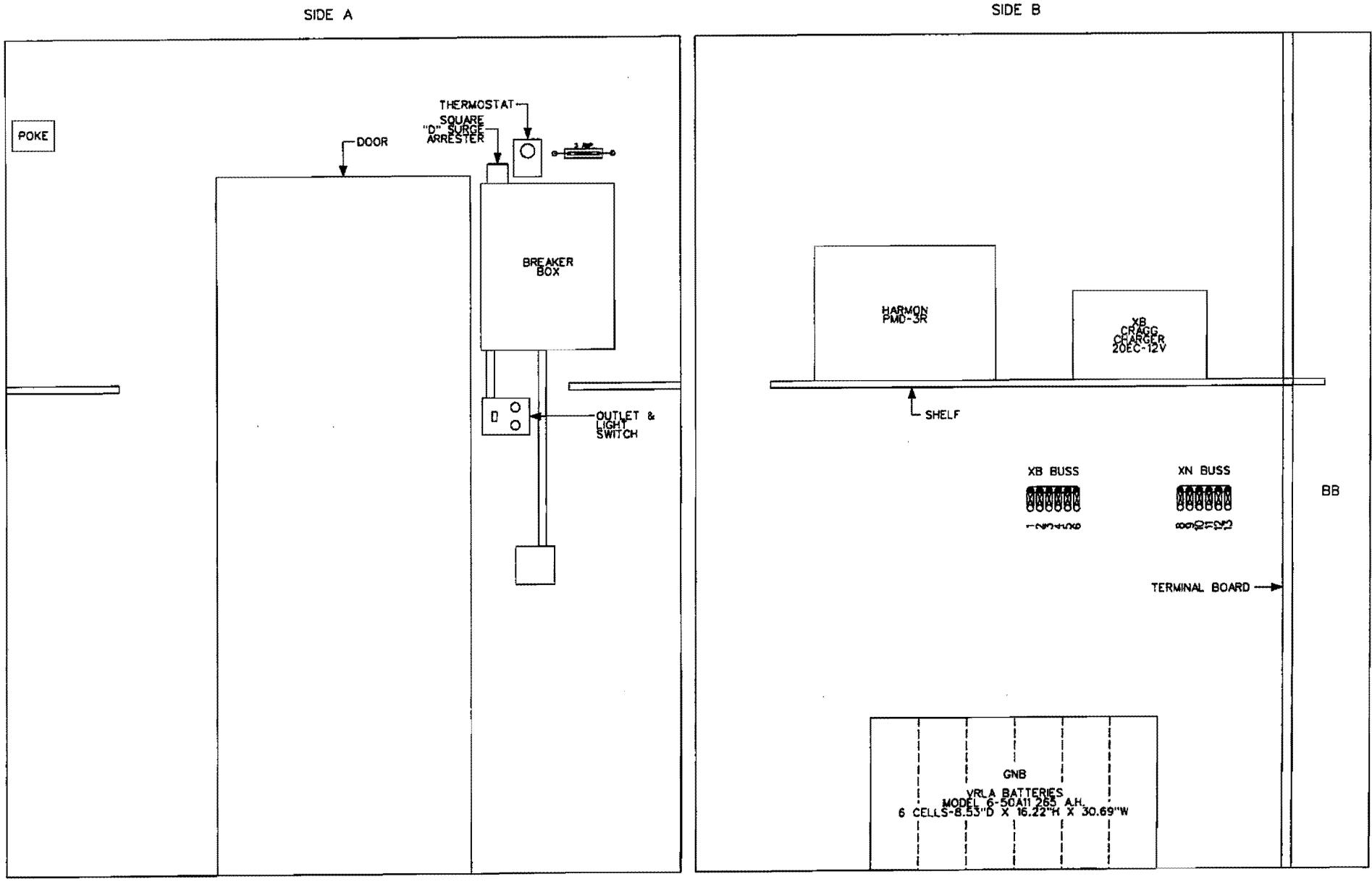


DATE: 06-08-02	DESIGN BY: J.L.M.
SCALE: AS SHOWN	DRAWN BY: J.L.M.
DOT/AAR NO: 603 889P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	
BBR/JAX JOB NO.:	IA102-03979-200
DRAWING NO.:	134.73
SHEET NO.:	7 OF 9

ROUTE 17 (FERRY STREET)  
6' X 6' HOUSE LAYOUT  
HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

IOWA INTERSTATE R.R. LTD  
800 WEBER STREET  
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**Balfour Beatty**  
Rail Systems, Inc.  
4390 MESON ROAD  
JACKSONVILLE, FL 32219

REVISIONS



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**Balfour Beatty**  
*Rail Systems, Inc.*  
 4390 IOWA ROAD  
 JACKSONVILLE, FL 32219

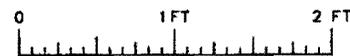
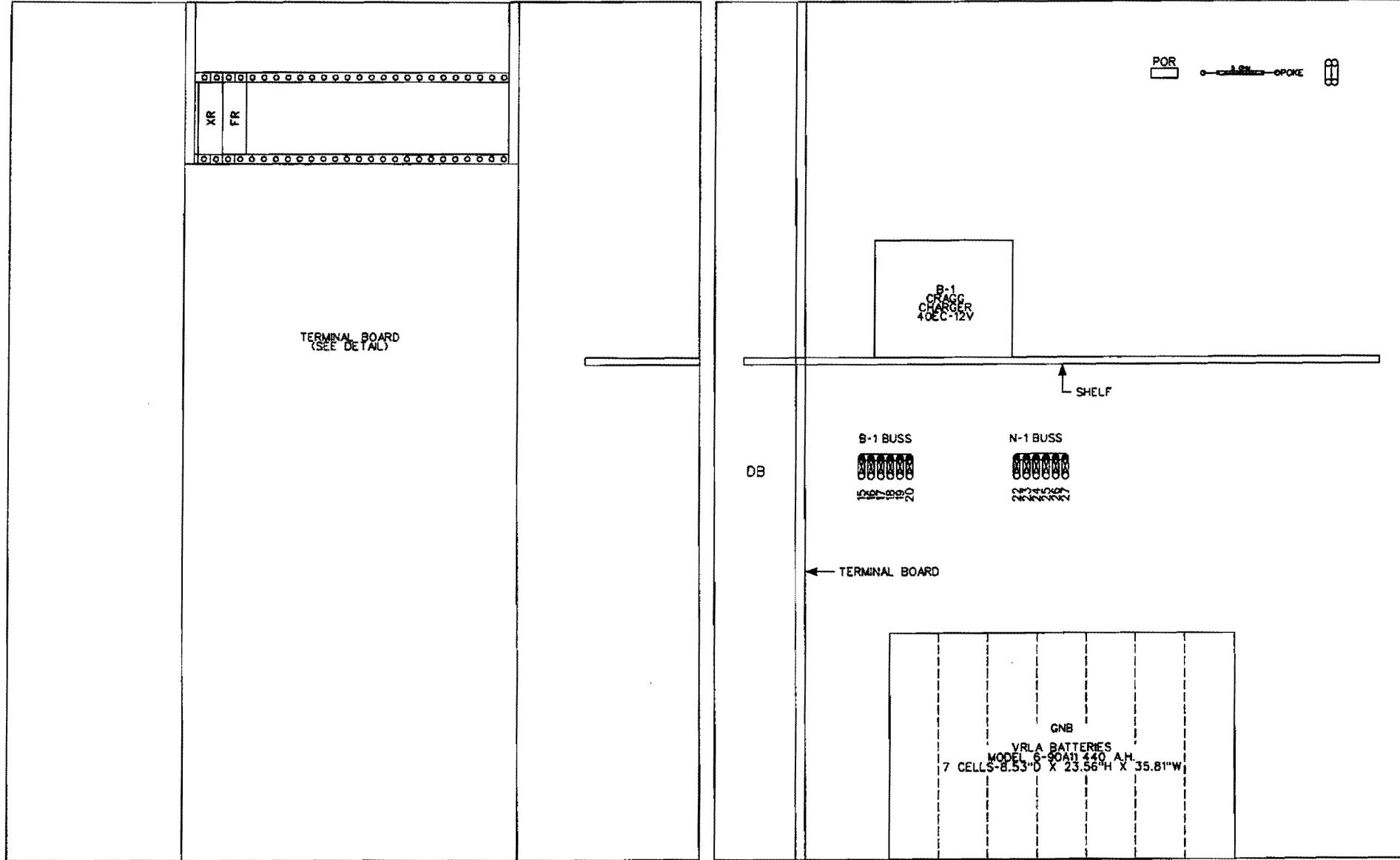
ROUTE 17 (FERRY STREET)  
 6' X 6' HOUSE LAYOUT  
 HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
 CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

DATE: 08-08-02	DESIGN BY: J.L.M.
SCALE: AS SHOWN	DRAWN BY: J.L.M.
DOT/ARR NO: 603 989P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	
BBR/JAX JOB NO.:	IA02-03979-200
DRAWING NO.:	
134.73	
SHEET NO.:	
08 OF 0	

REVISIONS

SIDE C

SIDE D



IOWA INTERSTATE R.R. LTD  
 800 WEBER STREET  
 IOWA CITY, IOWA 52240-4806  
**Balfour Beatty**  
 Rail Systems, Inc.  
 4390 IMESON ROAD  
 JACKSONVILLE, FL 32219

ROUTE 17 (FERRY STREET)  
 6' X 6' HOUSE LAYOUT  
 HIGHWAY-RAILROAD GRADE CROSSING WARNING SYSTEM  
 CITY OF SPARLAND MARSHALL COUNTY STATE OF ILLINOIS

DATE: 08-08-02	DESIGN BY: J.L.M.
SCALE: AS SHOWN	DRAWN BY: J.L.M.
DOT/AR NO: 603 989P	CHECKED BY: C.A.L.
BBR/VER JOB NO.:	
BBR/JAX JOB NO.:	IA102-03979-200
DRAWING NO.: 134.73	
SHEET NO.: 9 OF 9	