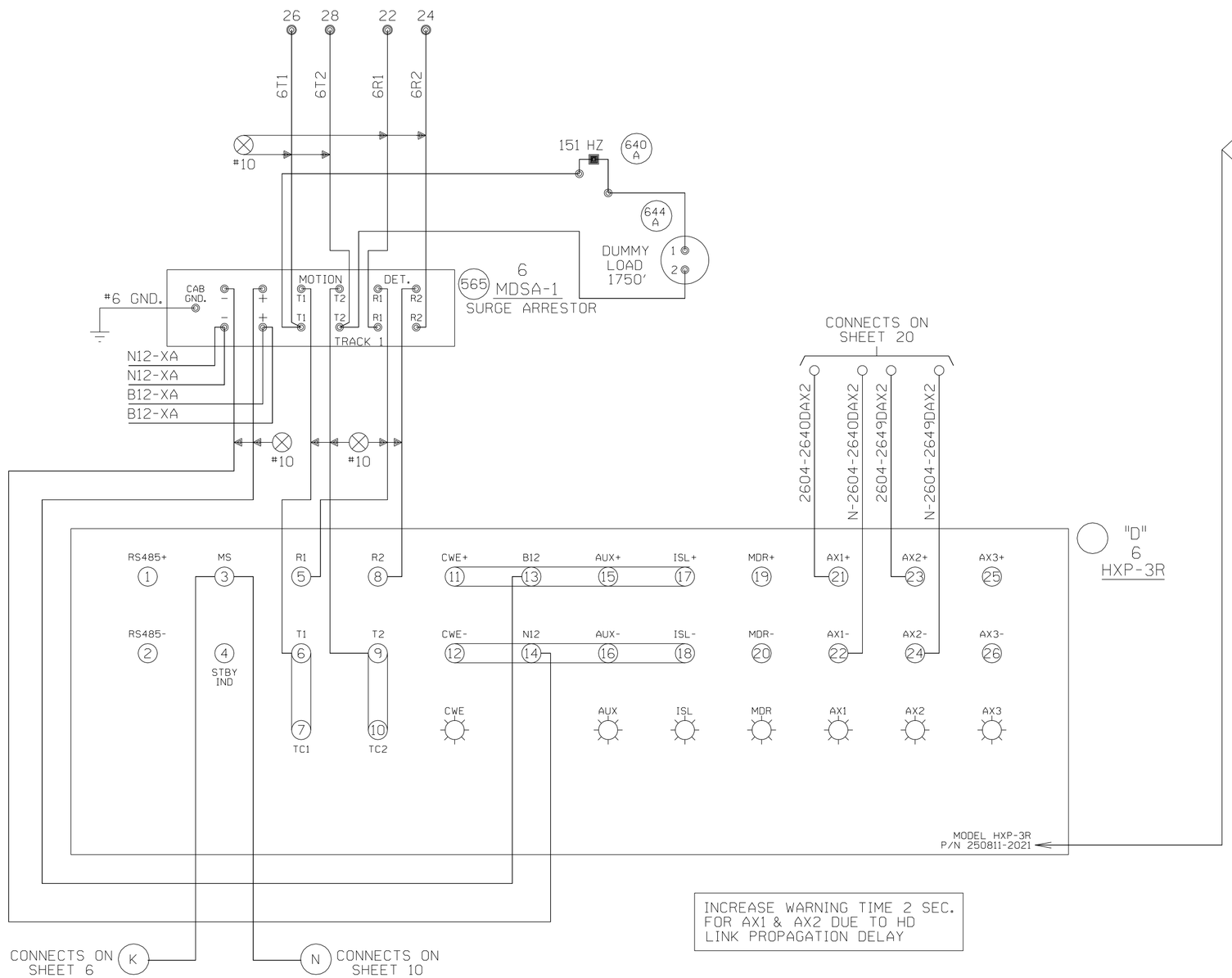
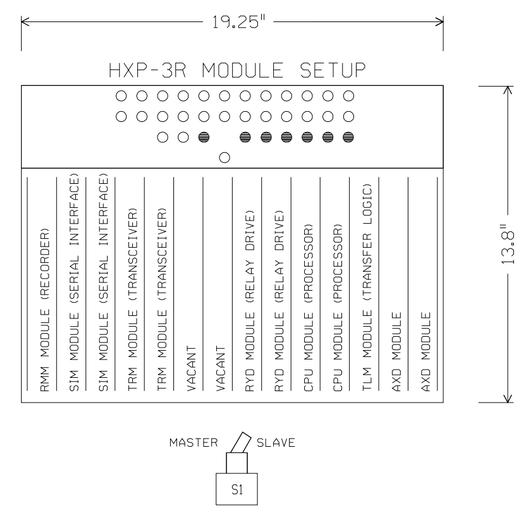


NOTE:
THIS DRAWING WAS DESIGNED FOR A SPECIFIC APPLICATION. IF A MODIFICATION OR REDESIGN OF THIS DRAWING CAUSES ANY MODULES TO CHANGE, THE UNIT'S PART NUMBER MUST BE CHANGED TO CORRESPOND ACCORDINGLY.



INCREASE WARNING TIME 2 SEC. FOR AX1 & AX2 DUE TO HD LINK PROPAGATION DELAY

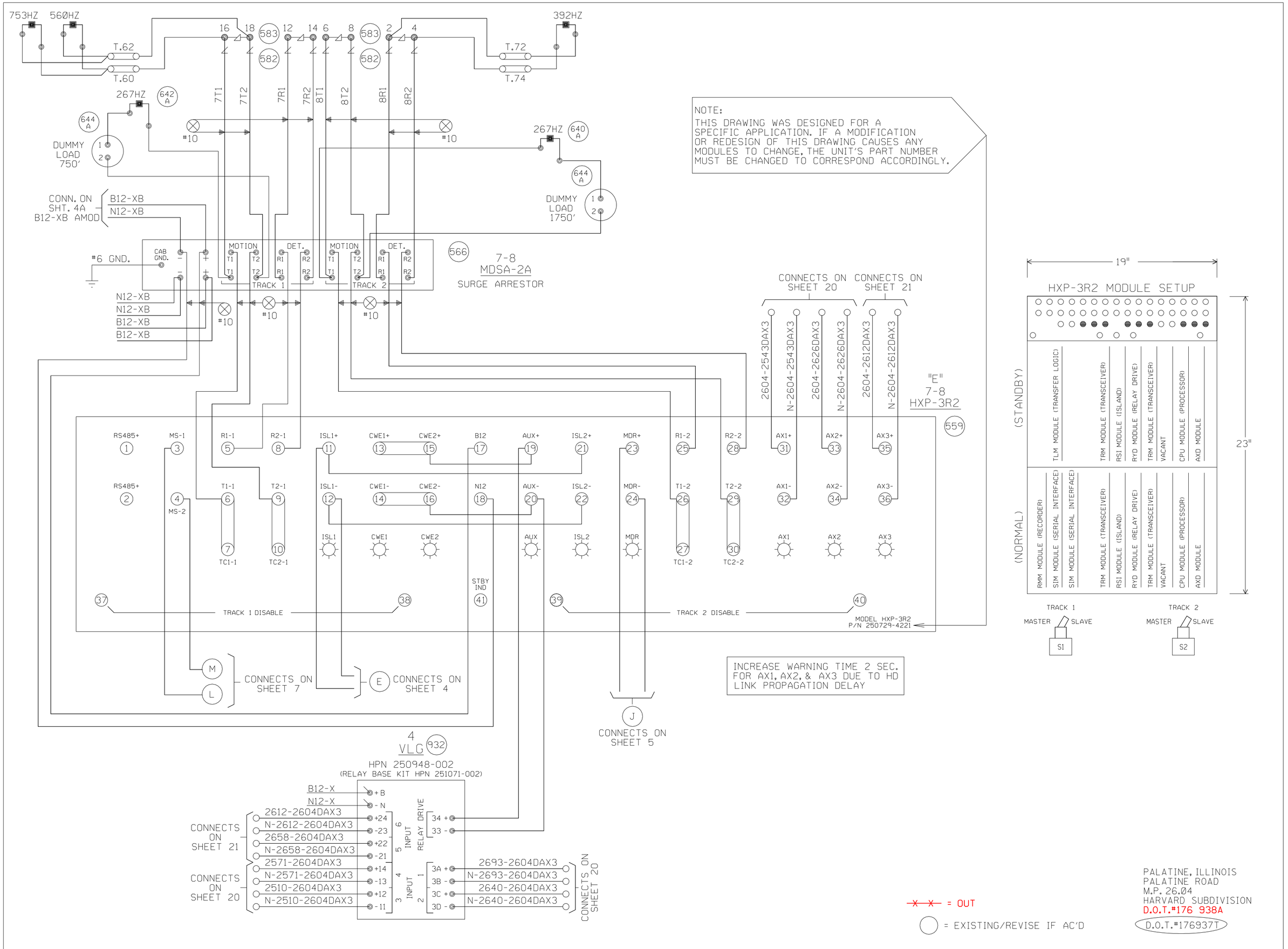
PALATINE, ILLINOIS
PALATINE ROAD
M.P. 26.04
HARVARD SUBDIVISION
D.O.T.#176 938A
D.O.T.#176937T

-X-X- = OUT

○ = EXISTING/REVISE IF AC'D

				Designed: 08-06-09 INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION. Rec#: WO#: 87693 IS: /WSD / /JMM/JTB	REV. 11-15-02 UPGRADED CROSSING CONTROL AS PER THE PALATINE, IL CORRIDOR PROJECT REC. #11126 5-30-02 JJF JLK/WITT/WITT/JNM	MODIFICATION LEVEL		UNION PACIFIC QUALITY PRODUCTIVITY SAFETY SIGNAL DESIGN	DES: WITT.IND. DIG: WITT.IND. CHK: J.J.F. A.F.E. 34166 ID= HAR2604.8X	UNION PACIFIC RAILROAD EVANSVILLE, WISCONSIN TO CHICAGO, ILLINOIS C.T.C. CIRCUITS Office of Sr.AVP Engineering - Signal/TCO OMAHA NEBR.	DATE 3-21-00 SHEET 8 DWG 26.04 HAR
						Q.A. LAST LEVEL CHK'D.	CY				
						LAST LEVEL MOD. THIS TYP.	CK				
						LAST LEVEL BY DESIGNER.	CZ				
						CHANGED FROM TYP.? Y/N	Y				

(REV. 4-4-00) (HX31TKBG.DGN)



~~X~~ ~~X~~ = OUT

◯ = EXISTING/REVISE IF AC'D

PALATINE, ILLINOIS
PALATINE ROAD
M.P. 26.04
HARVARD SUBDIVISION
D.O.T.#176 938A

D.O.T.#176937T

Designed: 08-06-09 INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.	REV. 11-15-02 UPGRADED CROSSING CONTROL AS PER THE PALATINE, IL CORRIDOR PROJECT REC. #11126	MODIFICATION LEVEL	
Rec#: WO#: 87693	5-30-02 JJF	Q.A. LAST LEVEL CHK'D.	CI
IS: /WSD	JLK/WITT/WITT/JNM	LAST LEVEL MOD. THIS TYP.	CK
/ /JMM/JTB		LAST LEVEL BY DESIGNER.	CZ
		CHANGED FROM TYP.? Y/N	Y

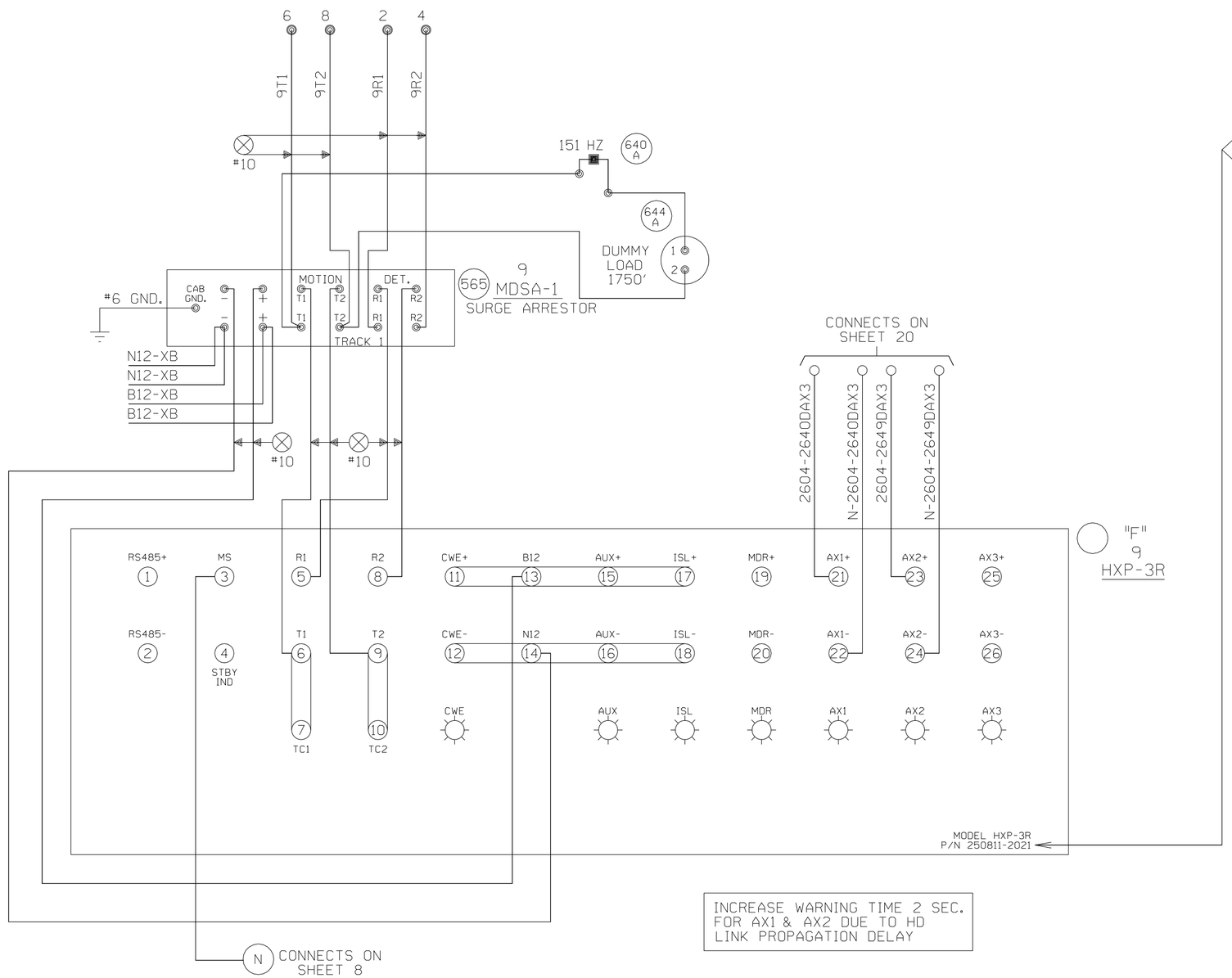
UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

DES: WITT.IND.
DIG: WITT.IND.
CHK: J.J.F.
A.F.E. 34166
ID= HAR2604.9X

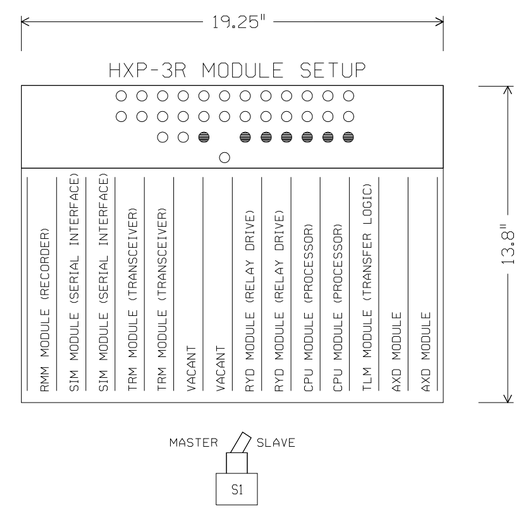
UNION PACIFIC RAILROAD
EVANSVILLE, WISCONSIN TO CHICAGO, ILLINOIS
C.T.C. CIRCUITS
Office of Sr.AVP Engineering - Signal/TCO OMAHA NEBR.

DATE 3-21-00
SHEET 9
DWG 26.04
HAR

(REV. 6-1-98)(HX32TKUG.3)



NOTE:
THIS DRAWING WAS DESIGNED FOR A SPECIFIC APPLICATION. IF A MODIFICATION OR REDESIGN OF THIS DRAWING CAUSES ANY MODULES TO CHANGE, THE UNIT'S PART NUMBER MUST BE CHANGED TO CORRESPOND ACCORDINGLY.



INCREASE WARNING TIME 2 SEC. FOR AX1 & AX2 DUE TO HD LINK PROPAGATION DELAY

~~X~~ ~~X~~ = OUT

◯ = EXISTING/REVISE IF AC'D

PALATINE, ILLINOIS
PALATINE ROAD
M.P. 26.04
HARVARD SUBDIVISION
D.O.T.#176 938A
D.O.T.#176937T

Designed: 08-06-09
INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.
Rec#: WO#: 87693
IS: /WSO
/ /JMM/JJF

REV. 11-15-02
UPGRADED CROSSING CONTROL AS PER THE PALATINE, IL CORRIDOR PROJECT
REC. #11126
5-30-02 JJF
JLK/WITT/WITT/JNM

MODIFICATION LEVEL	
Q.A. LAST LEVEL CHK'D.	CY
LAST LEVEL MOD. THIS TYP.	CK
LAST LEVEL BY DESIGNER.	CZ
CHANGED FROM TYP.? Y/N	Y

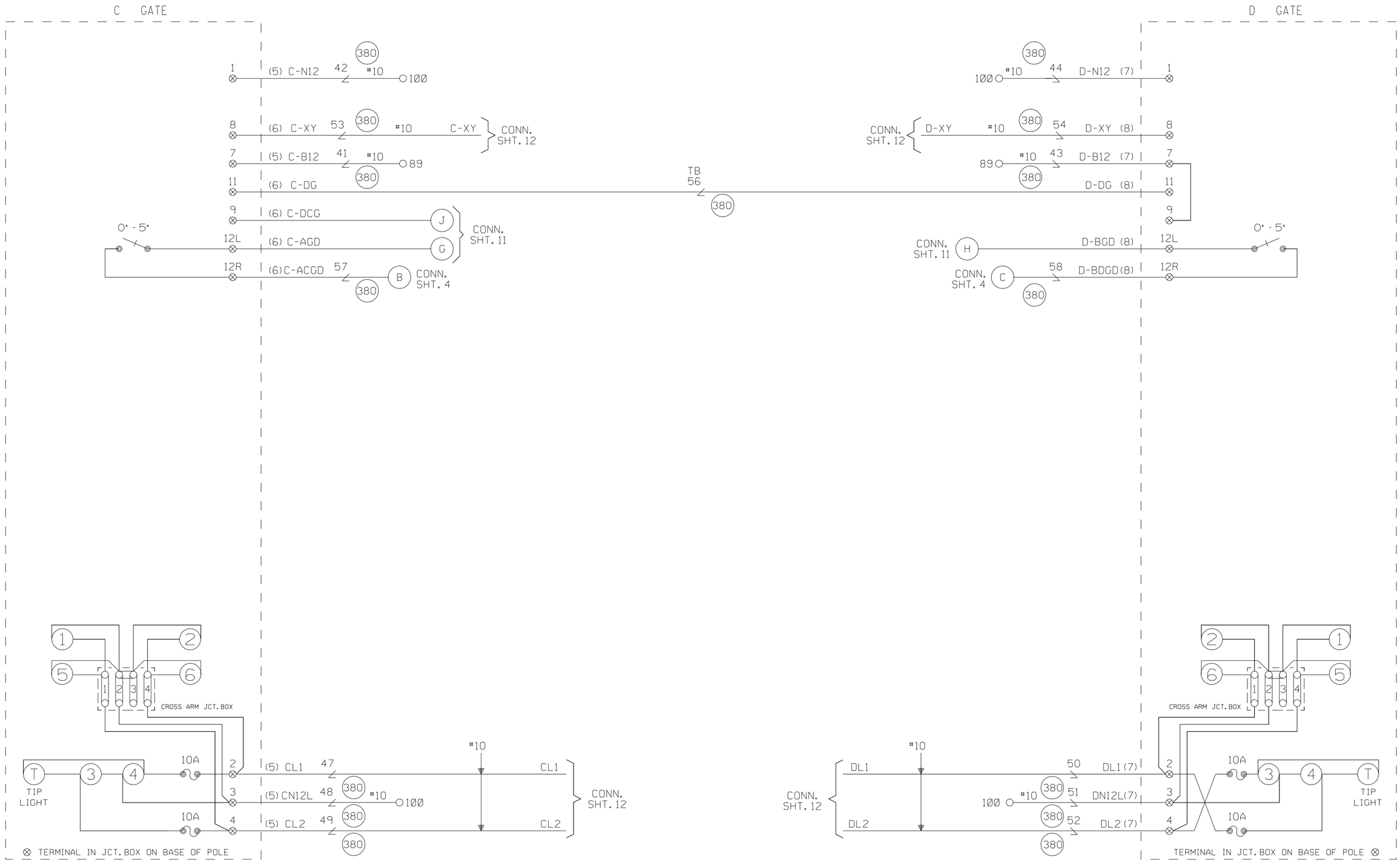
UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

DES: WITT.IND.
DIG: WITT.IND.
CHK: J.J.F.
A.F.E. 34166
ID= HAR2604.10X

UNION PACIFIC RAILROAD
EVANSVILLE, WISCONSIN
TO CHICAGO, ILLINOIS
C.T.C. CIRCUITS
Office of Sr.AVP Engineering - Signal/TCO OMAHA NEBR.

DATE 3-21-00
SHEET 10
DWG 26.04
HAR

(REV. 4-4-00) (HX31TKBG.DGN)



CABLE TABULATION

CABLE NO. 5 5C. NO.6 U.G.B.T.
CABLE NO. 6 7C. NO.14 U.G.B.T.
CABLE NO. 7 5C. NO.6 U.G.B.T.
CABLE NO. 8 7C. NO.14 U.G.B.T.

NEW SHEET

Designed: 08-06-09
INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.

Rec#: WO#: 87693
IS: /WSD
/JMM/JJF

MODIFICATION LEVEL	
Q. A. LAST LEVEL CHECKED	DS
LAST LEVEL MOD THIS TYPICAL	DS
LAST LEVEL BY DESIGNER	DS
CHANGED FROM TYPICAL?	Y

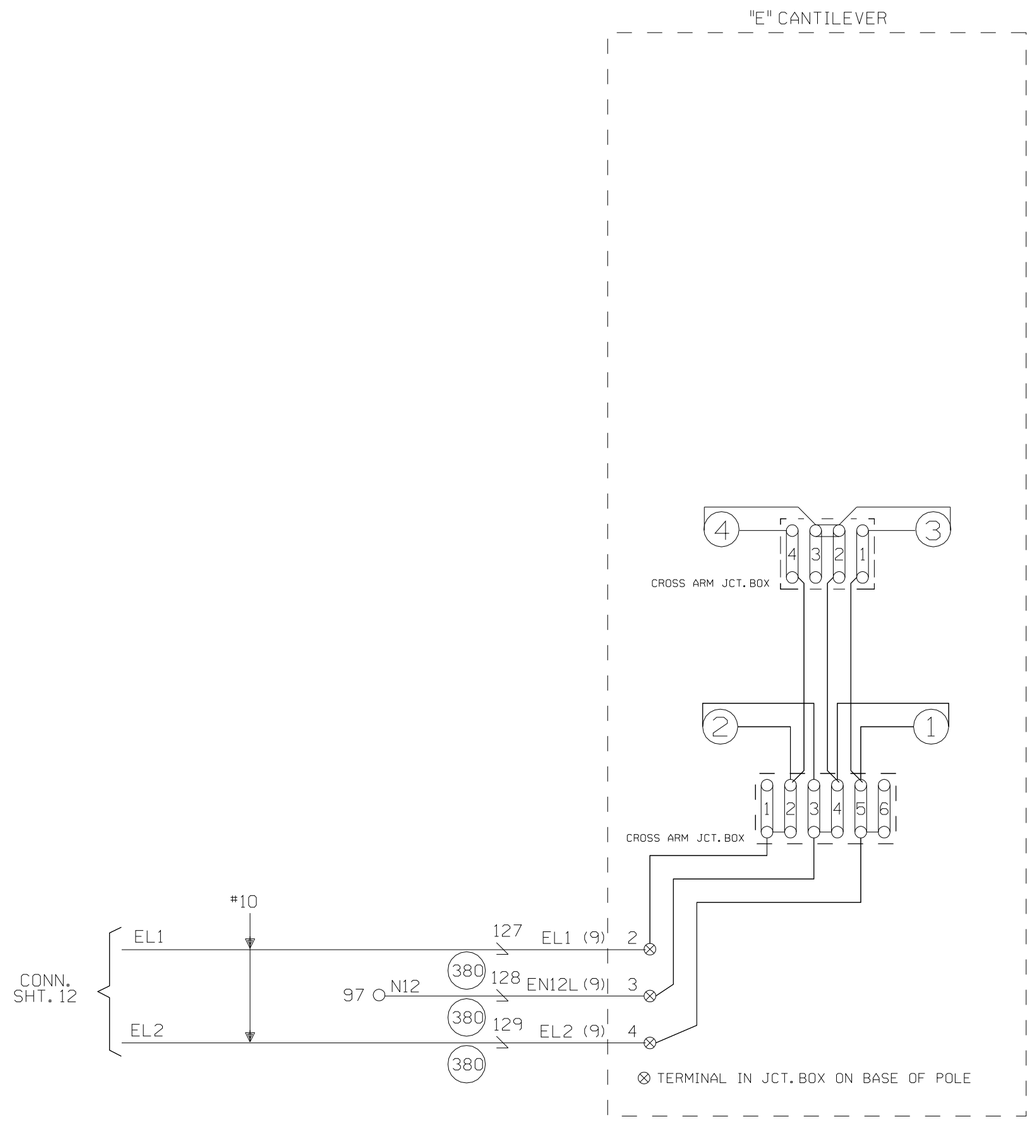
REV 09.02.09 4K 4GFTYP.6

UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

Date: 08-06-09
Des: JMM
Chk: WSD
AFE: 87693

UNION PACIFIC RAILROAD
PALATINE, ILLINOIS
PALATINE ROAD
HARVARD SUBDIVISION
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

Sh.: 11A
DOT 176937T
MP: 26.04
ID: HAR2604.11AX



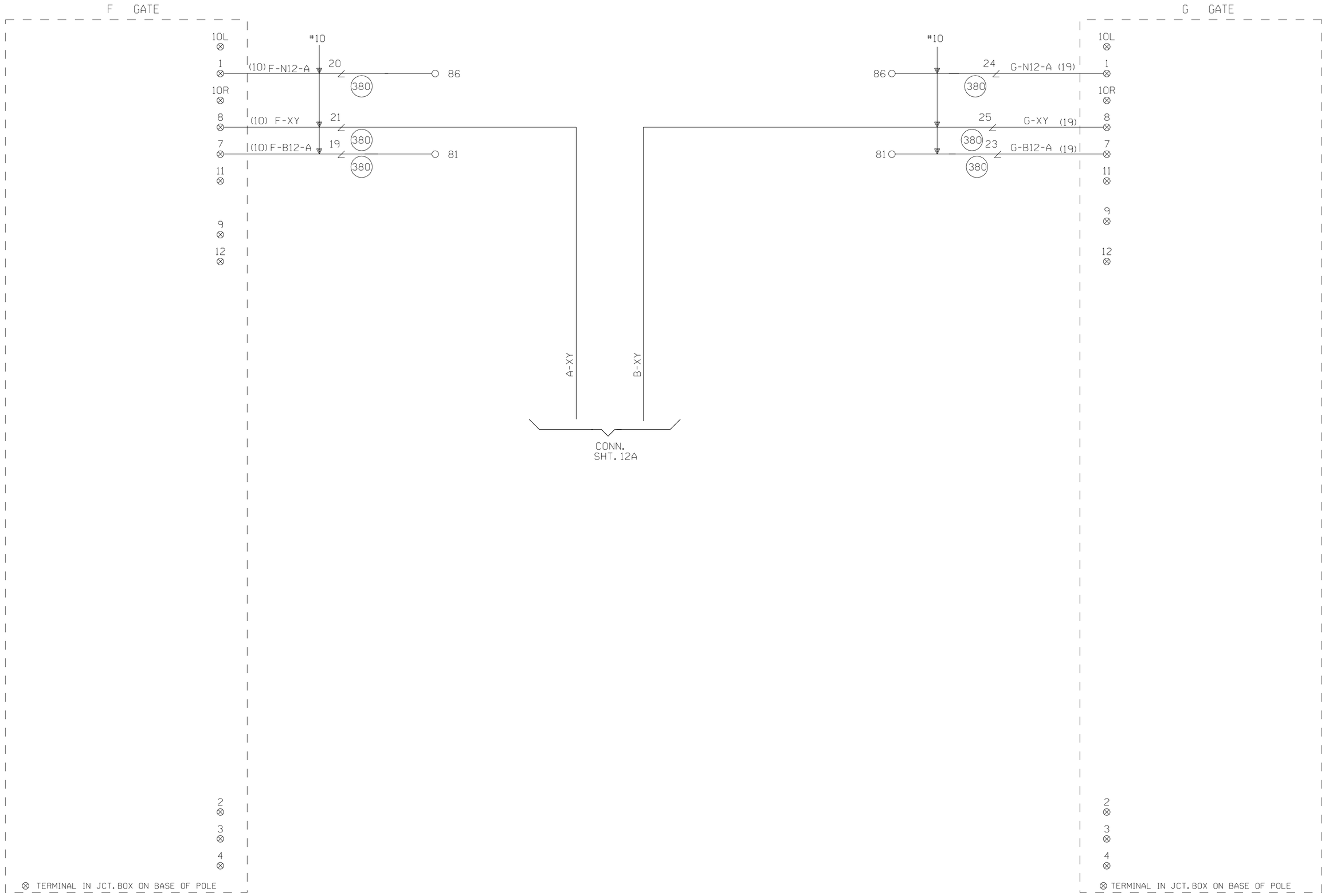
CABLE TABULATION

CABLE NO. 9 5C NO.6 U.G.B.T.

NEW SHEET

Designed: 08-06-09 INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.	MODIFICATION LEVEL		UNION PACIFIC	Date: 08-06-09	UNION PACIFIC RAILROAD
	Q. A. LAST LEVEL CHECKED	DR	QUALITY PRODUCTIVITY SAFETY	Des: JMM	PALATINE, ILLINOIS PALATINE ROAD HARVARD SUBDIVISION
	LAST LEVEL MOD THIS TYPICAL	DR		Chk: WSD	
	LAST LEVEL BY DESIGNER	DR			
Rec": WO": 87693 /WSD IS: / /JMM/JJF	CHANGED FROM TYPICAL?	Y	SIGNAL DESIGN	AFE: 87693	Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska
	REV 02.01.09 4K 2TUCGTYP.1				

Sh.:	11B
DOT	176937T
MP:	26.04
ID:	HAR2604.11BX



CABLE TABULATION

CABLE NO. 10 5C. NO. 6 U.G.B.T.
CABLE NO. 19 5C. NO. 6 U.G.B.T.

NEW SHEET

Designed: 08-06-09
INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.

Rec#: WO#: 87693
IS: /WSD
/ /JMM/JJF

MODIFICATION LEVEL	
Q.A. LAST LEVEL CHECKED	DS
LAST LEVEL MOD THIS TYPICAL	DS
LAST LEVEL BY DESIGNER	DS
CHANGED FROM TYPICAL?	Y

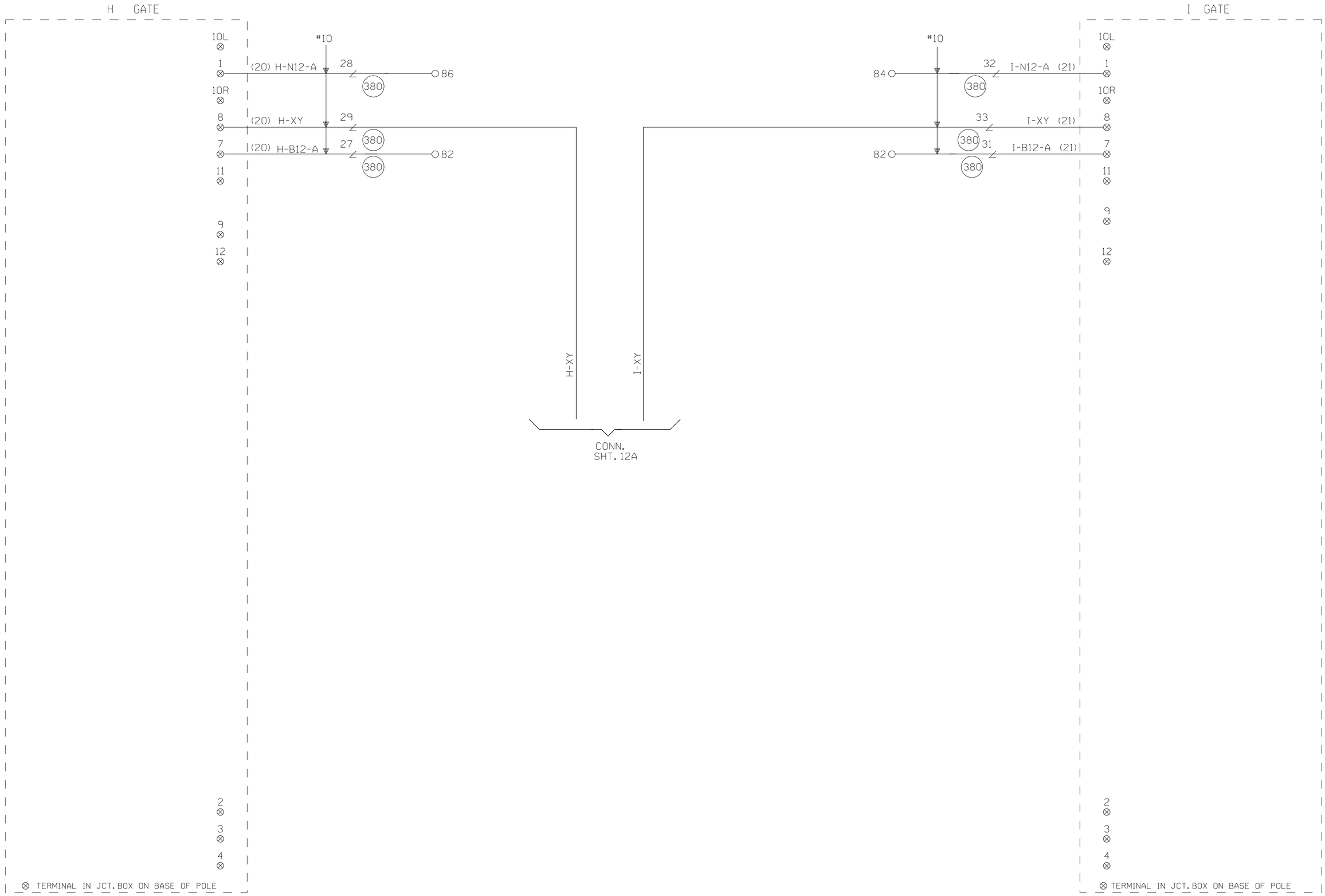
REV 09.02.09 4K 4GFTYP.5

UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

Date: 08-06-09
Des: JMM
Chk: WSD
AFE: 87693

UNION PACIFIC RAILROAD
PALATINE, ILLINOIS
PALATINE ROAD
HARVARD SUBDIVISION
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

Sh.: 11C
DOT 176937T
MP: 26.04
ID: HAR2604.11CX



CABLE TABULATION

CABLE NO. 20 5C. NO.6 U.G.B.T.
CABLE NO. 21 5C. NO.6 U.G.B.T.

NEW SHEET

Designed: 08-06-09
INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.

Rec#: WO#: 87693
IS: /WSD
/JMM/JJF

MODIFICATION LEVEL	
Q.A. LAST LEVEL CHECKED	DS
LAST LEVEL MOD THIS TYPICAL	DS
LAST LEVEL BY DESIGNER	DS
CHANGED FROM TYPICAL?	Y

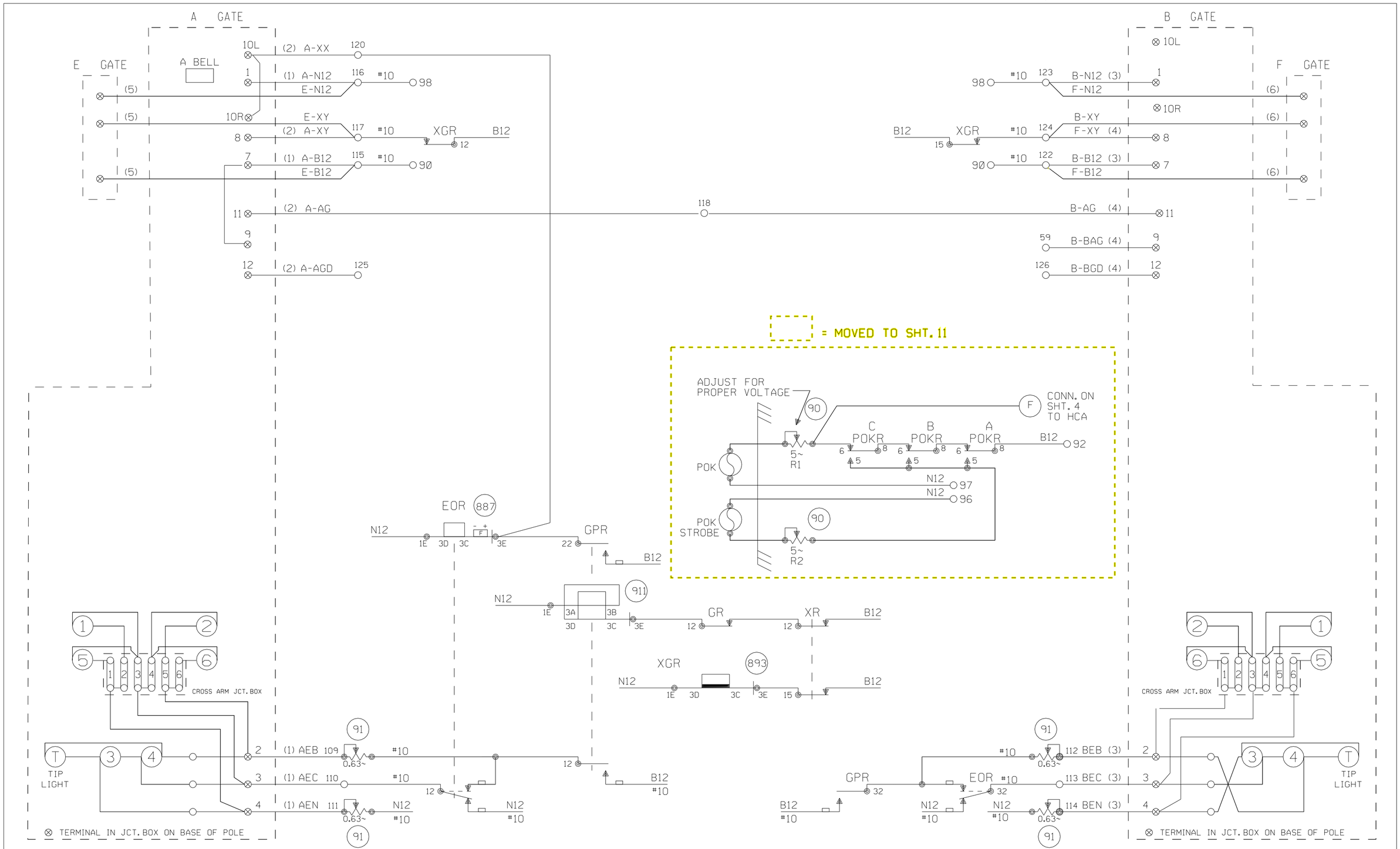
REV 09.02.09 4K 4GFTYP.5

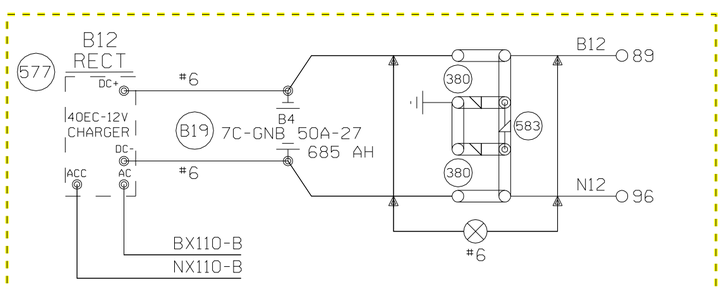
UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

Date: 08-06-09
Des: JMM
Chk: WSD
AFE: 87693

UNION PACIFIC RAILROAD
PALATINE, ILLINOIS
PALATINE ROAD
HARVARD SUBDIVISION
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

Sh.: 11D
DOT 176937T
MP: 26.04
ID: HAR2604.11DX





= MOVED TO SHT. 12

TO BE VOIDED

CABLE NO. 1 5C. NO.6 B.T.
CABLE NO. 2 7C. NO.14 B.T.
CABLE NO. 3 5C. NO.6 B.T.
CABLE NO. 4 7C. NO.14 B.T.
CABLE NO. 5 5C. NO.6 B.T.
CABLE NO. 6 5C. NO.6 B.T.

PALATINE, ILLINOIS
PALATINE ROAD
M.P. 26.04
HARVARD SUBDIVISION
D.O.T.#176 938A

REV. 2-17-09 LODS REMOVED AND POK STROBE INSTALLED. REC. #15606 I.S. 12-5-08 JAM/WITT	REV. 11-15-02 UPGRADED CROSSING CONTROL AS PER THE PALATINE, IL CORRIDOR PROJECT REC. #11126 5-30-02 JJF JLK/WITT/WITT/JNM

MODIFICATION LEVEL	
Q.A. LAST LEVEL CHK'D.	CY
LAST LEVEL MOD. THIS TYP.	CY
LAST LEVEL BY DESIGNER.	CZ
CHANGED FROM TYP.? Y/N	Y

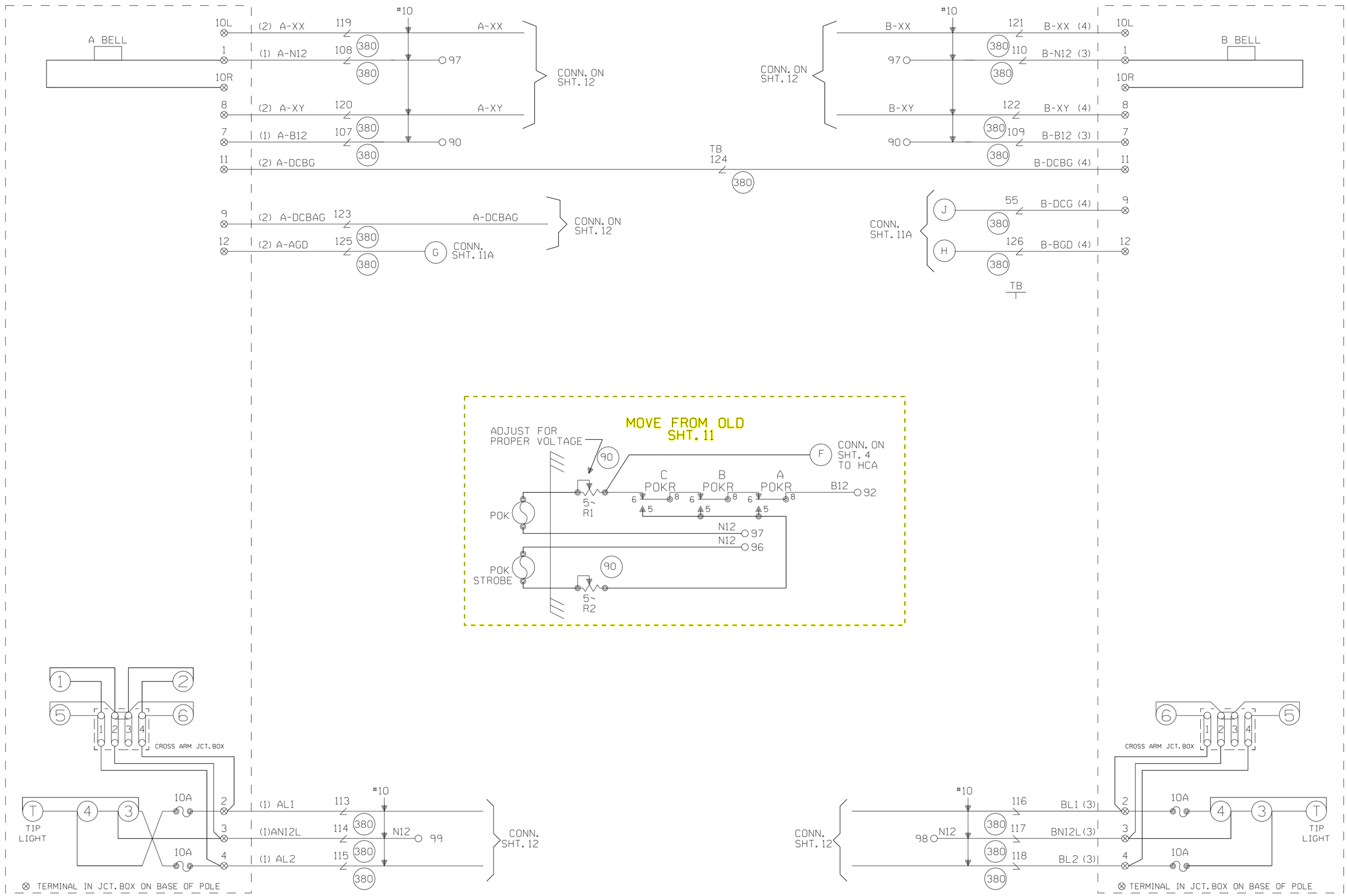
UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

DES: WITT.IND.
DIG: WITT.IND.
CHK: J.J.F.
A.F.E. 34166
ID= HAR2604.11X

UNION PACIFIC RAILROAD
EVANSVILLE, WISCONSIN TO CHICAGO, ILLINOIS
C.T.C. CIRCUITS
Office of Sr.AVP Engineering - Signal/TCO OMAHA NEBR.

DATE 3-21-00
SHEET 11
DWG 26.04
HAR

(REV. 4-4-00)(4GTYP.4)



CABLE TABULATION

CABLE NO. 1 5C. NO.6 U.G.B.T.
CABLE NO. 2 7C. NO.14 U.G.B.T.
CABLE NO. 3 5C. NO.6 U.G.B.T.
CABLE NO. 4 7C. NO.14 U.G.B.T.

NEW SHEET

Designed: 08-06-09
INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.

Rec#: WO#: 87693
IS: /WSD
/JMM/JJF

MODIFICATION LEVEL	
Q.A. LAST LEVEL CHECKED	DS
LAST LEVEL MOD THIS TYPICAL	DS
LAST LEVEL BY DESIGNER	DS
CHANGED FROM TYPICAL?	Y

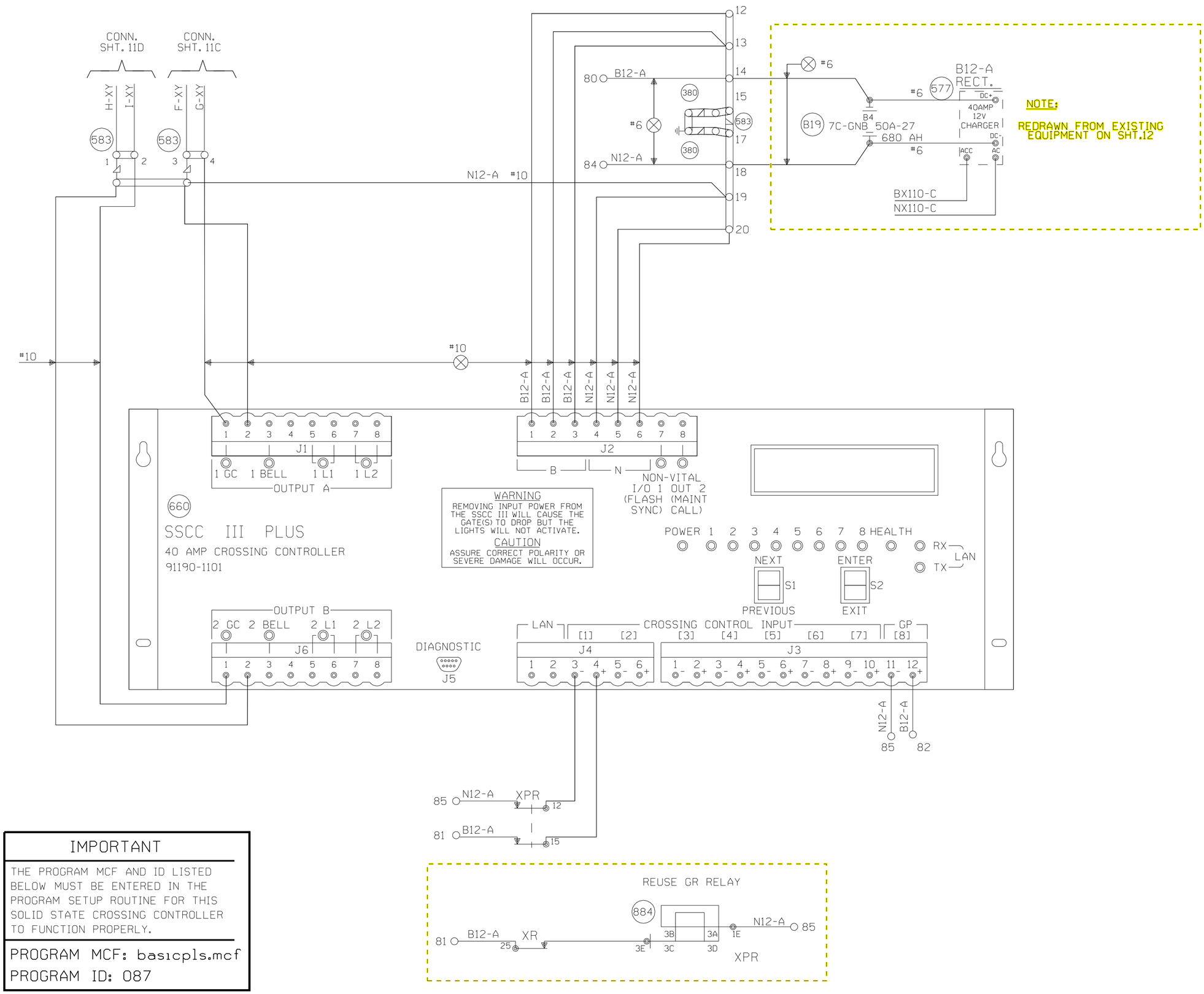
REV 09.02.09 4K 4GFTYP.5

UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

Date: 08-06-09
Des: JMM
Chk: WSD
AFE: 87693

UNION PACIFIC RAILROAD
PALATINE, ILLINOIS
PALATINE ROAD
HARVARD SUBDIVISION
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

Sh.: 11
DOT 176937T
MP: 26.04
ID: HAR2604.11X



IMPORTANT

THE PROGRAM MCF AND ID LISTED BELOW MUST BE ENTERED IN THE PROGRAM SETUP ROUTINE FOR THIS SOLID STATE CROSSING CONTROLLER TO FUNCTION PROPERLY.

PROGRAM MCF: basicpls.mcf

PROGRAM ID: 087

NEW SHEET

Designed: 08-06-09
INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.

Rec#: WO#:87693
IS: /WSD
/JMM/JJF

MODIFICATION LEVEL	
Q.A. LAST LEVEL CHECKED	DR
LAST LEVEL MOD THIS TYPICAL	DR
LAST LEVEL BY DESIGNER	DS
CHANGED FROM TYPICAL?	Y

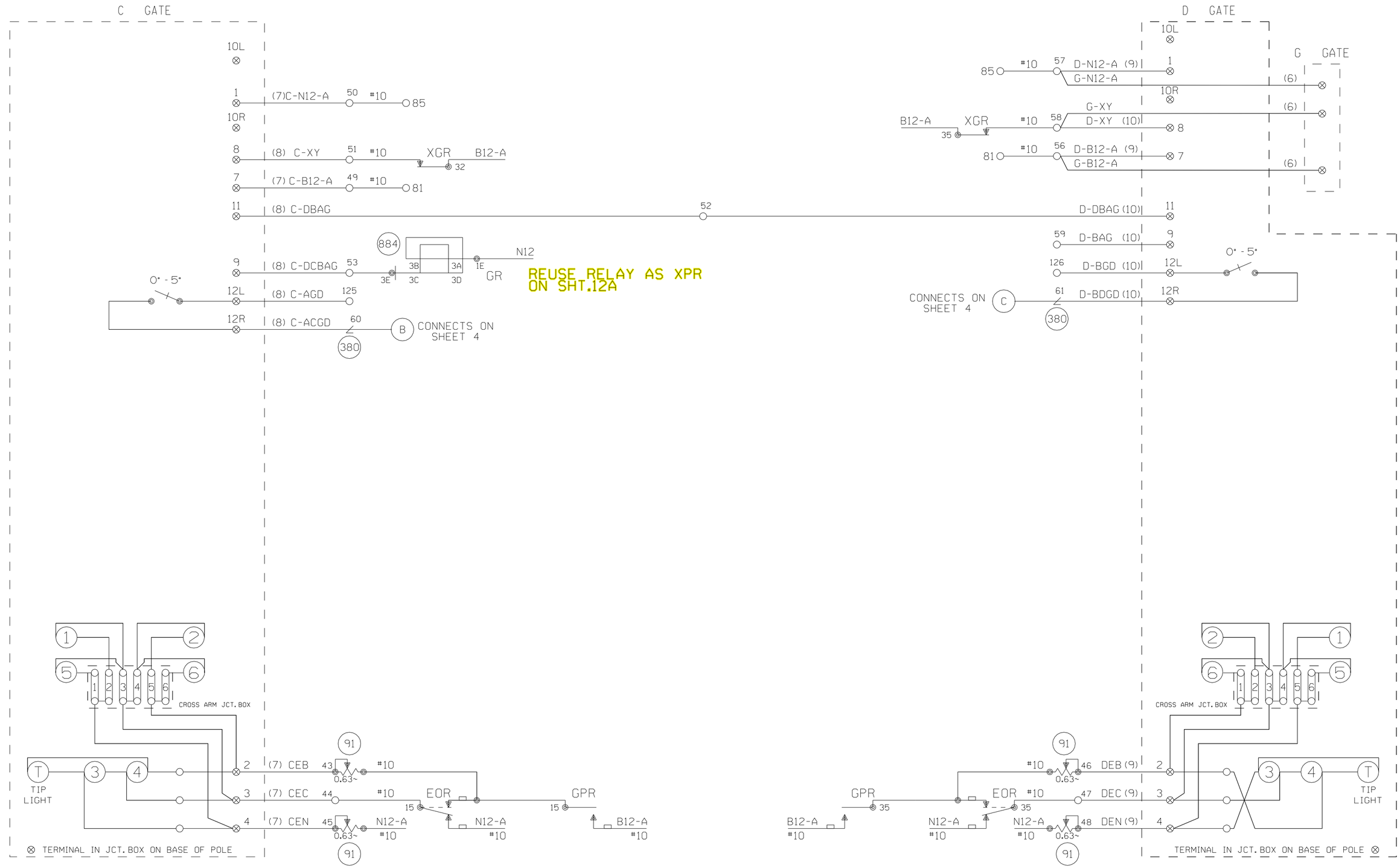
Rev 02.01.09 4K ACDCSSCC.5

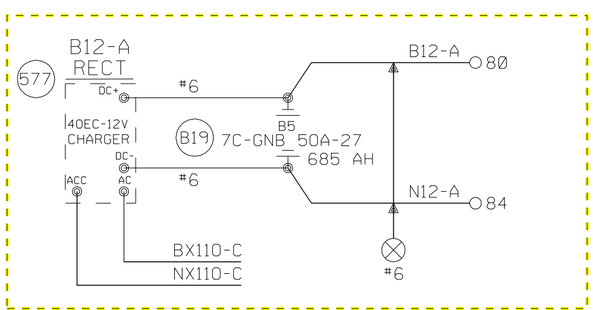
UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

Date: 08-06-09
Des: JMM
Chk: WSD
AFE: 87693

UNION PACIFIC RAILROAD
PALATINE, ILLINOIS
PALATINE ROAD
HARVARD SUBDIVISION
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

Sh.: 12A
DOT 176937T
MP: 26.04
ID: HAR2604.12AX





REUSE ON SHT. 12A

TO BE VOIDED

PALATINE, ILLINOIS
PALATINE ROAD
M.P. 26.04
HARVARD SUBDIVISION
D.O.T.#176 938A

CABLE NO. 7 5C. NO.6 B.T.
CABLE NO. 8 7C. NO.14 B.T.
CABLE NO. 9 5C. NO.6 B.T.
CABLE NO. 10 7C. NO.14 B.T.

REV. 2-17-09 LODS REMOVED AND POK STROBE INSTALLED. REC. #15606 I.S. 12-5-08 JAM/WITT	REV. 11-15-02 UPGRADED CROSSING CONTROL AS PER THE PALATINE, IL CORRIDOR PROJECT REC. #11126 5-30-02 JJF JLK/WITT/WITT/JNM	MODIFICATION LEVEL	
		Q.A. LAST LEVEL CHK'D.	CY
		LAST LEVEL MOD. THIS TYP.	CY
		LAST LEVEL BY DESIGNER.	CZ
		CHANGED FROM TYP.? Y/N	Y

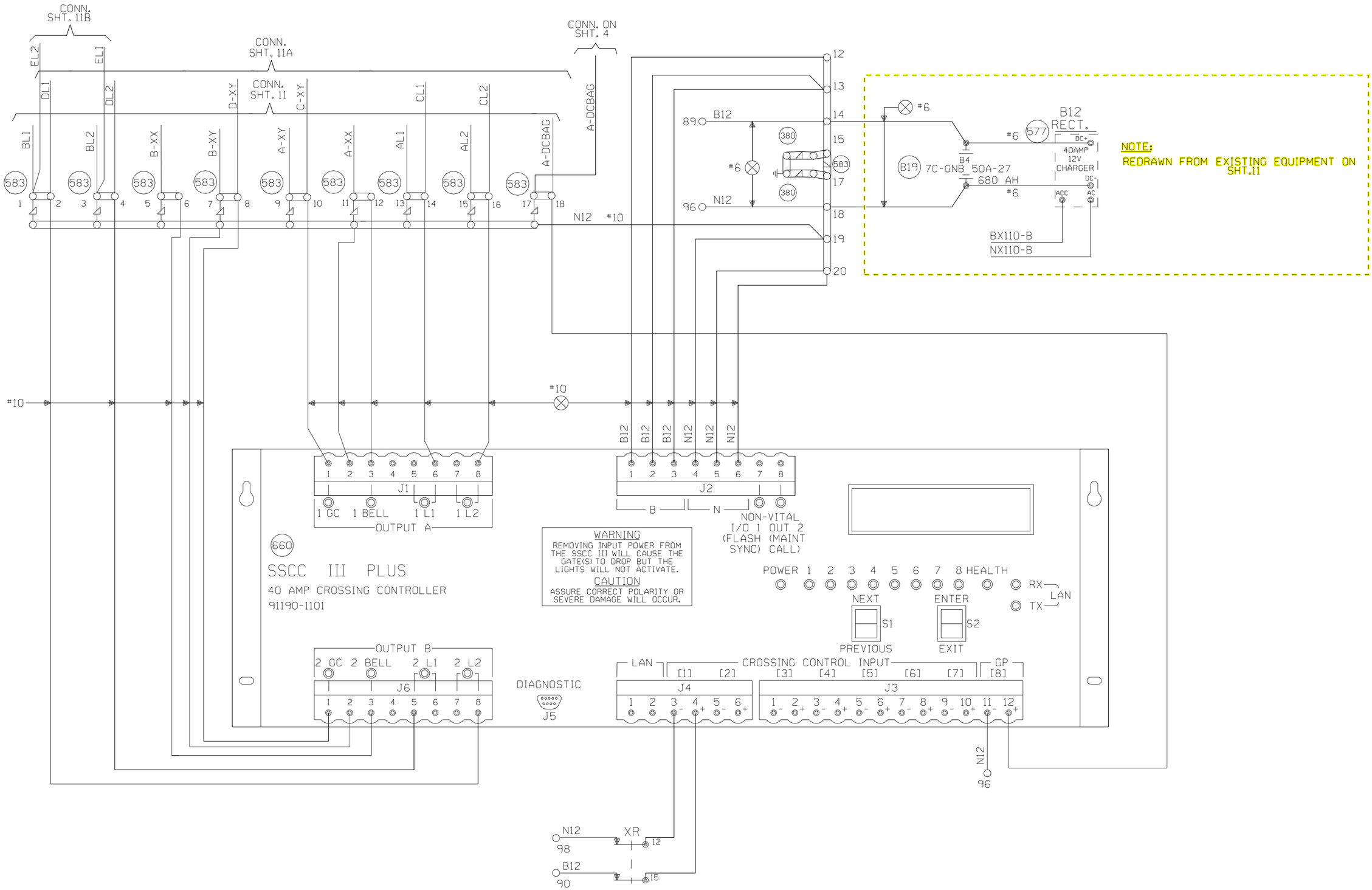
UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

DES: WITT.IND.
DIG: WITT.IND.
CHK: J.J.F.
A.F.E. 34166
ID= HAR2604.12X

UNION PACIFIC RAILROAD
EVANSVILLE, WISCONSIN TO
CHICAGO, ILLINOIS
C.T.C. CIRCUITS
Office of Sr.AVP Engineering - Signal/TCO OMAHA NEBR.

DATE 3-21-00
SHEET 12
DWG 26.04
HAR

(REV. 4-4-00)(4GTYP.4)



IMPORTANT

THE PROGRAM MCF AND ID LISTED BELOW MUST BE ENTERED IN THE PROGRAM SETUP ROUTINE FOR THIS SOLID STATE CROSSING CONTROLLER TO FUNCTION PROPERLY.

PROGRAM MCF: basicpls.mcf

PROGRAM ID: 087

NEW SHEET

Designed: 08-06-09
INSTALL CANTILEVER AND MEDIAN GATES FOR ROAD EXPANSION.

Rec#: WO#:87693
IS: /WSD / /JMM/JJF

MODIFICATION LEVEL	
Q.A. LAST LEVEL CHECKED	DR
LAST LEVEL MOD THIS TYPICAL	DR
LAST LEVEL BY DESIGNER	DS
CHANGED FROM TYPICAL?	Y

Rev 02.01.09 4K ACDCSSCC.5

UNION PACIFIC
QUALITY PRODUCTIVITY SAFETY
SIGNAL DESIGN

Date: 08-06-09
Des: JMM
Chk: WSD
AFE: 87693

UNION PACIFIC RAILROAD
PALATINE, ILLINOIS
PALATINE ROAD
HARVARD SUBDIVISION
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

Sh.: 12
DOT 176937T
MP: 26.04
ID: HAR2604.12X