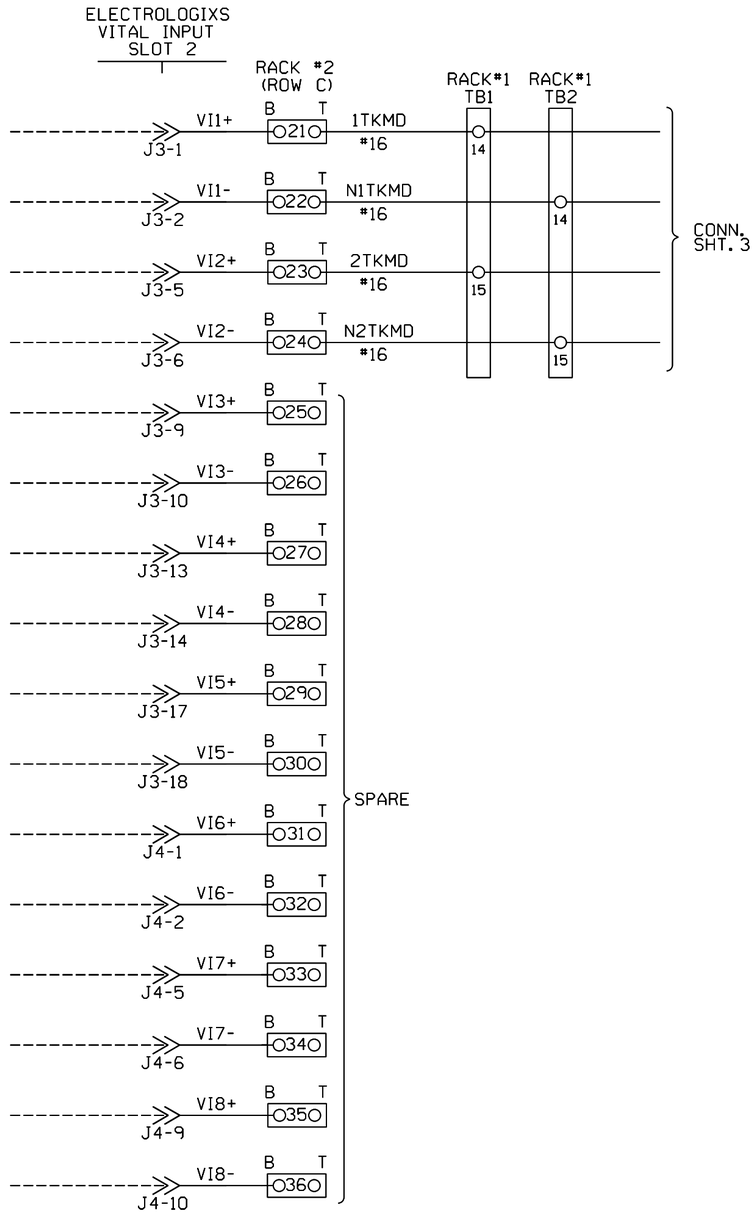
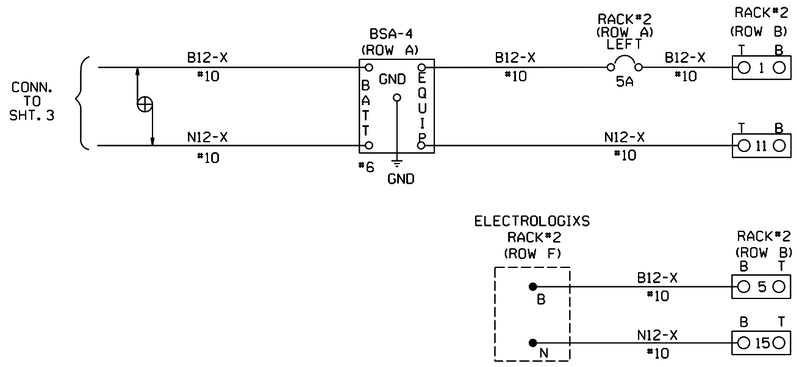
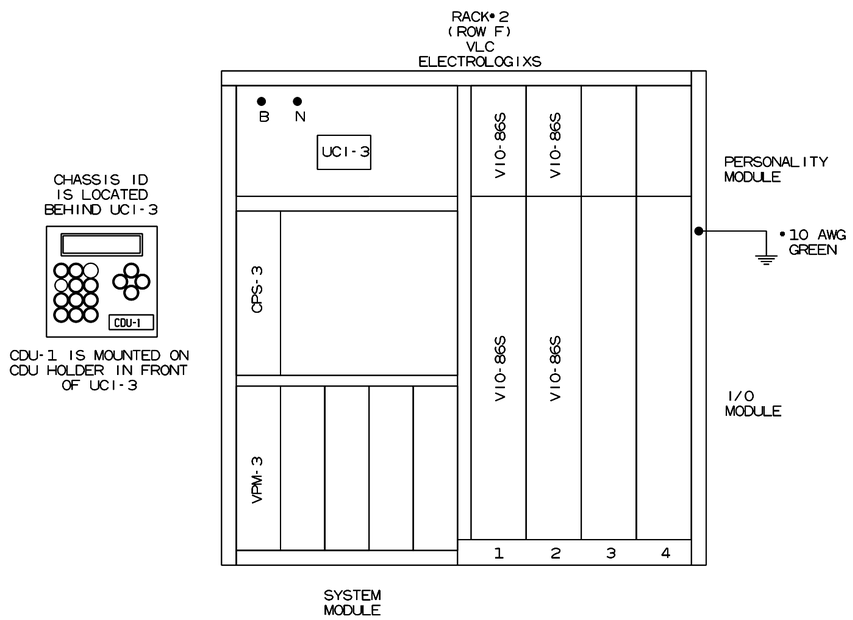


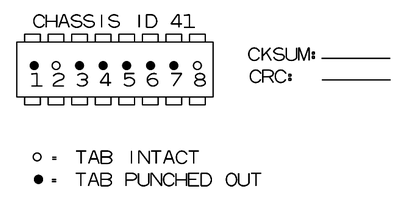
NEW SHEET

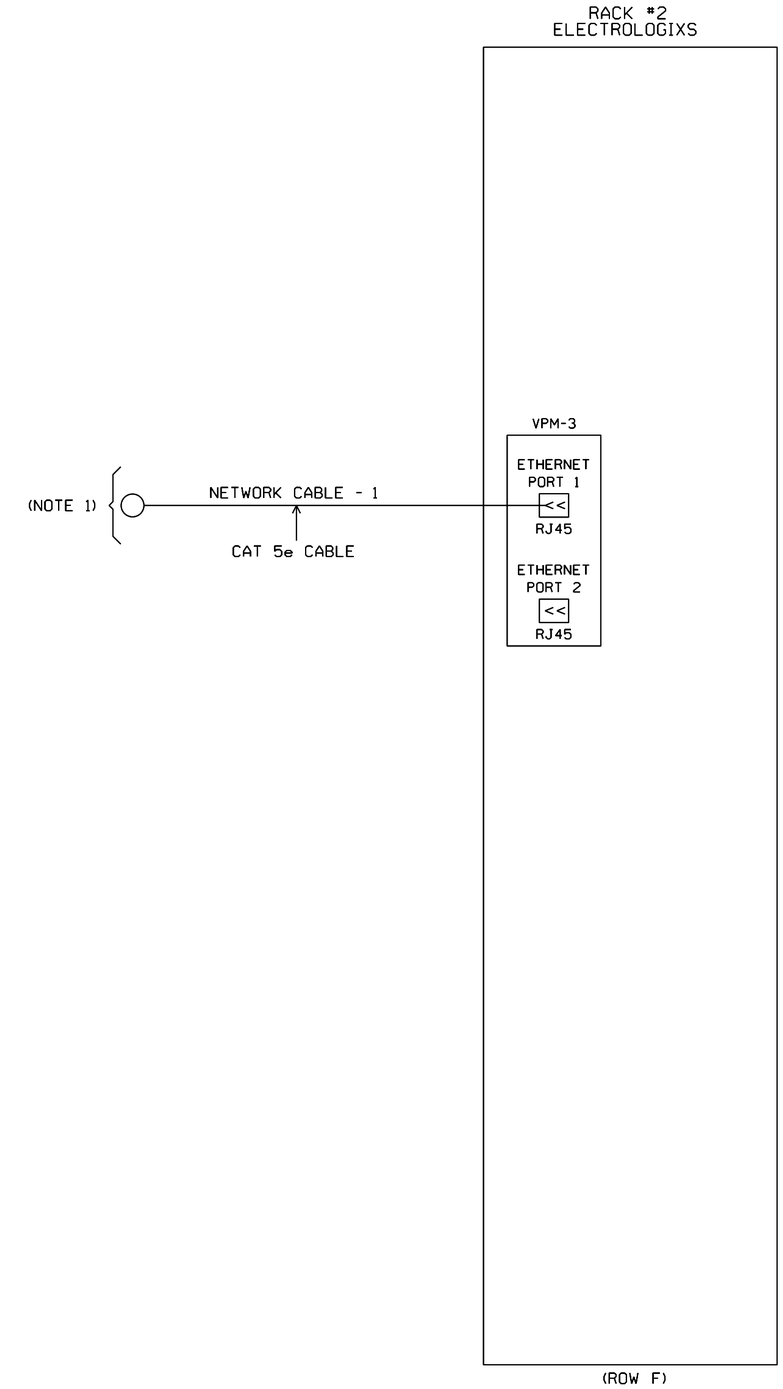
							Designed: 3/25/15 UPGRADE ELECTROLOGIXS AND DESIGN FOR FUTURE FIBER Rec#: WO#: 12780 IS: /NBT / / WIT/JVJ	CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN	DATE: 3/25/15 DES: WIT CHK: NBT A.F.E. 12780	UNION PACIFIC RAILROAD PONTIAC, ILLINOIS 1500N JOLIET SUBDIVISION Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska	SH. 10A DOT 290762C M.P. 94.71 ID= CSL9471.10AX

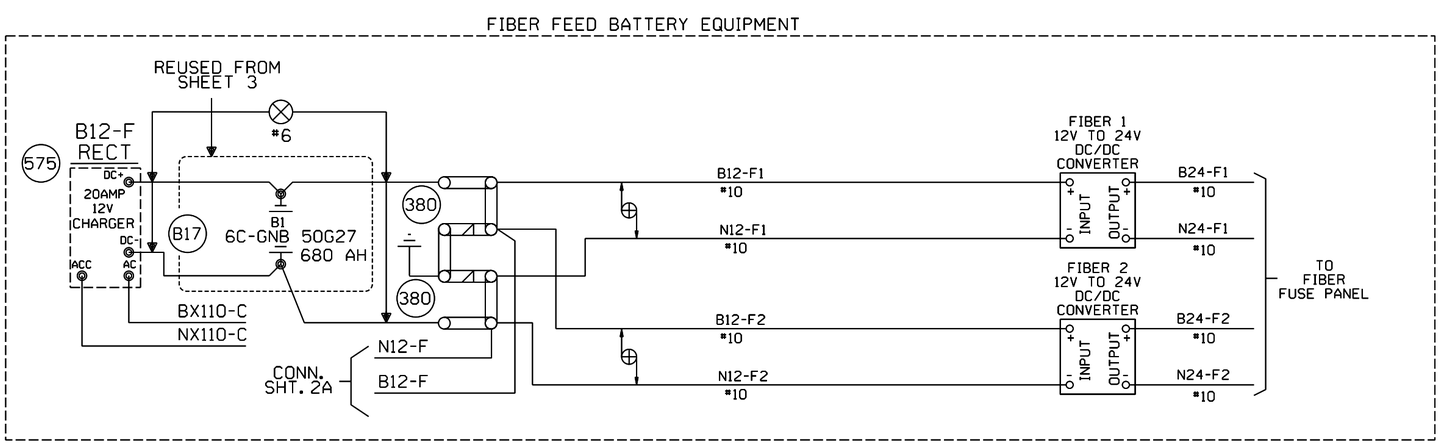
WIRING NOTE:
WIRE 30' LONG WIRES TO BSA-4











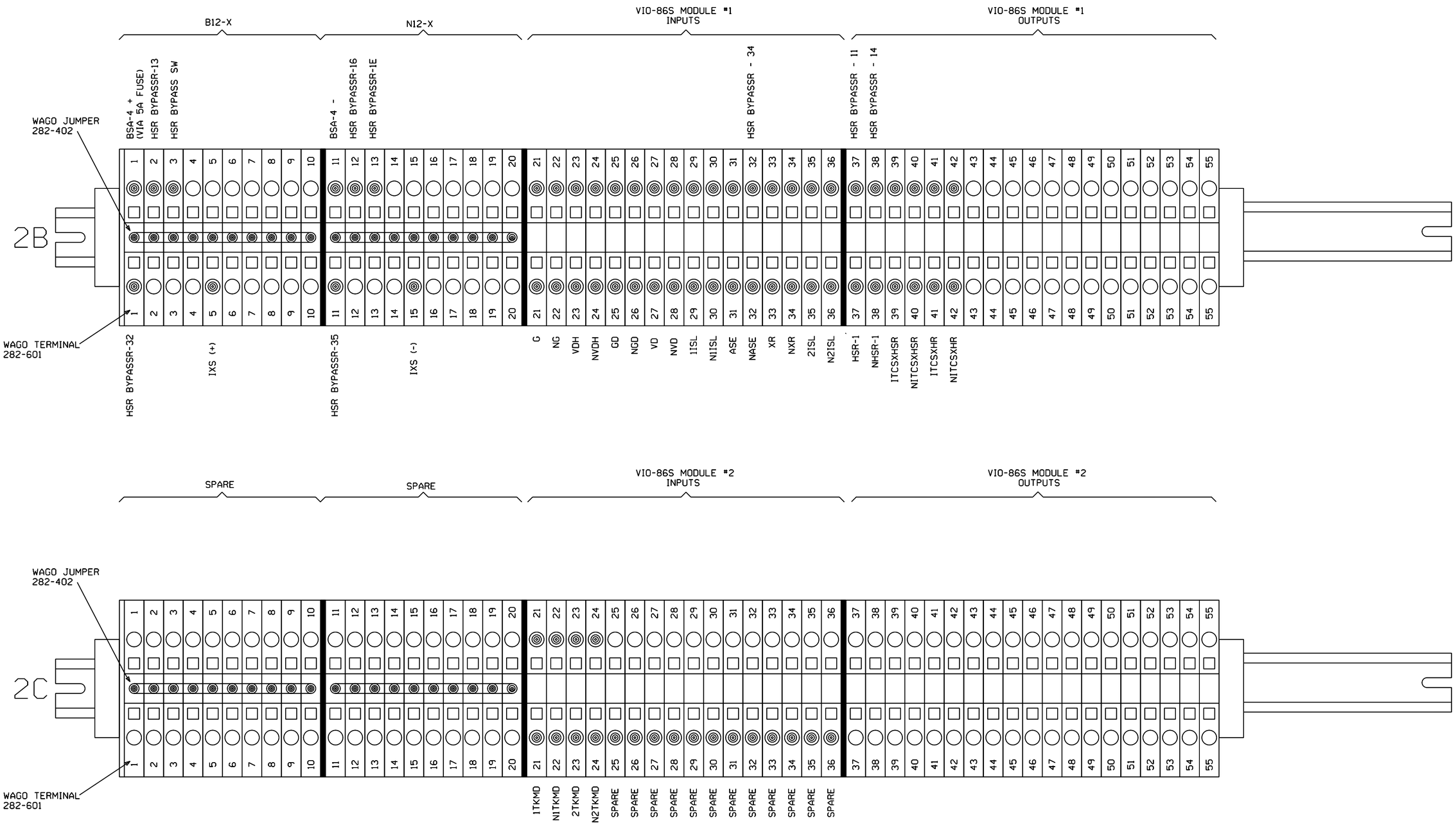
NOTES:

DENOTES TWISTED PAIR

2 POSITION WAGO BLOCK

NEW SHEET

							Designed: 3/25/15 UPGRADE ELECTROLOGIXS AND DESIGN FOR FUTURE FIBER Rec#: WO#: 12780 IS: /NBT / / WIT/JVJ	CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN	DATE: 3/25/15 DES: WIT CHK: NBT A.F.E. 12780	UNION PACIFIC RAILROAD PONTIAC, ILLINOIS 1500N JOLIET SUBDIVISION Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska	SH. 10B DOT 290762C M.P. 94.71 ID= CSL9471.10BX



ELECTROLOGIXS WAGO BLOCKS

NEW SHEET

Designed: 3/25/15
UPGRADE ELECTROLOGIXS AND DESIGN FOR FUTURE FIBER
Rec*: WO*: 12780
IS: / /NBT / WIT/JVJ

CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN

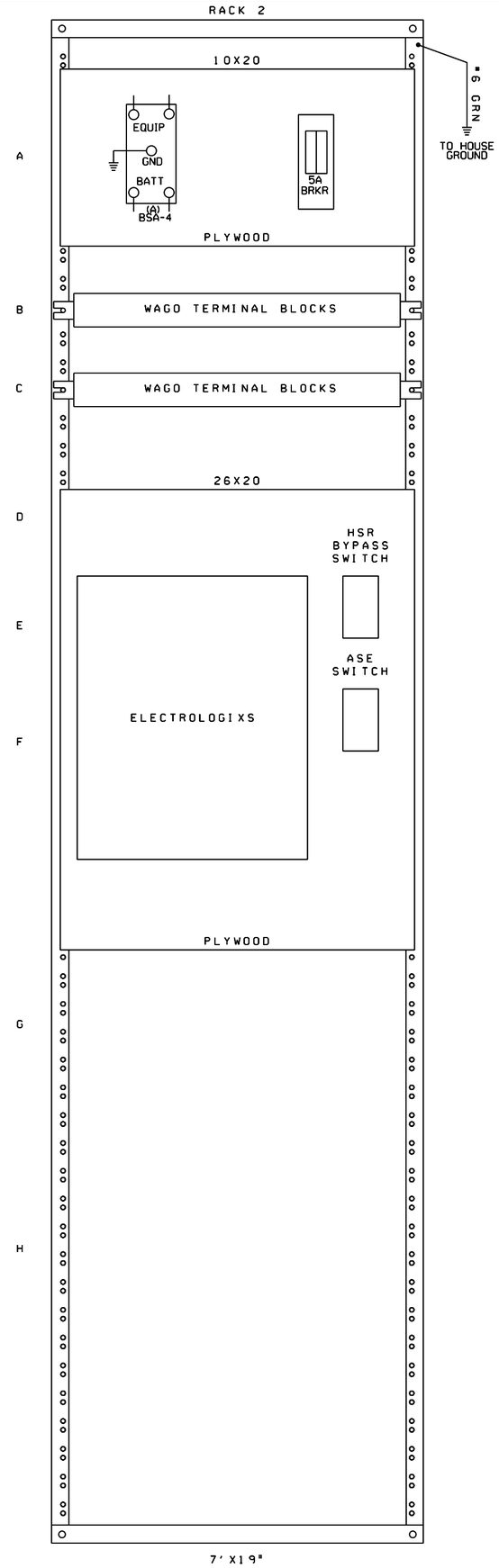
DATE:	3/25/15
DES:	WIT
CHK:	NBT
A.F.E.	12780

UNION PACIFIC RAILROAD

PONTIAC, ILLINOIS
1500N
JOLIET SUBDIVISION

Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

SH.	10C
DOT	290762C
M.P.	94.71
ID=	CSL9471.10CX



NEW SHEET

Designed: 3/25/15

UPGRADE ELECTROLOGIXS AND DESIGN FOR FUTURE FIBER

Rec#: WO#: 12780

IS: / / WIT/JVJ /NBT

CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN

DATE:	3/25/15
DES:	WIT
CHK:	NBT
A.F.E.	12780

UNION PACIFIC RAILROAD

PONTIAC, ILLINOIS
1500N
JOLIET SUBDIVISION

Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

SH.	10D
DOT	290762C
M.P.	94.71
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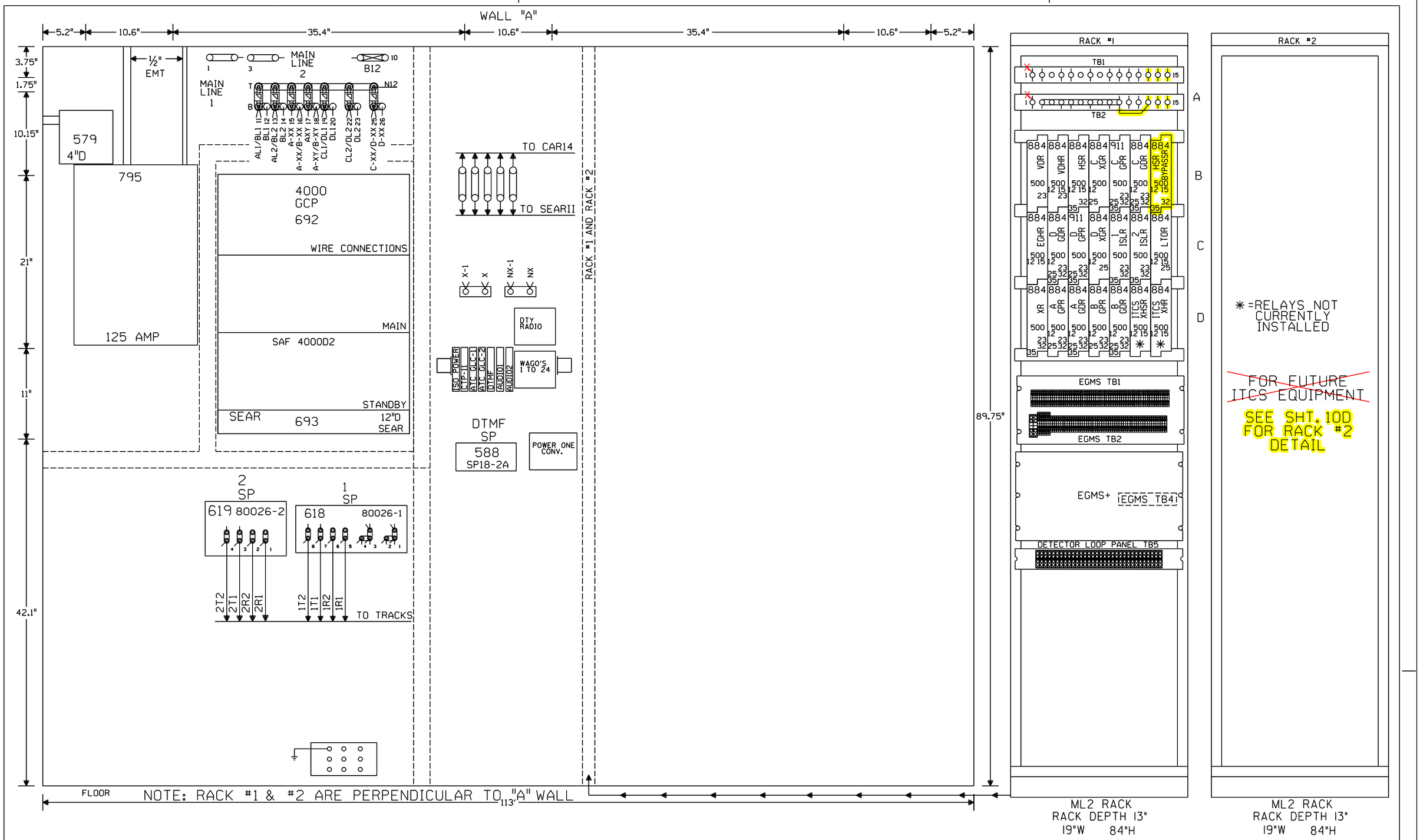
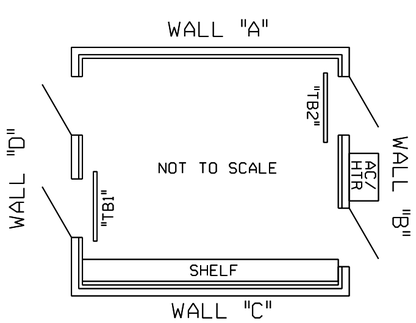


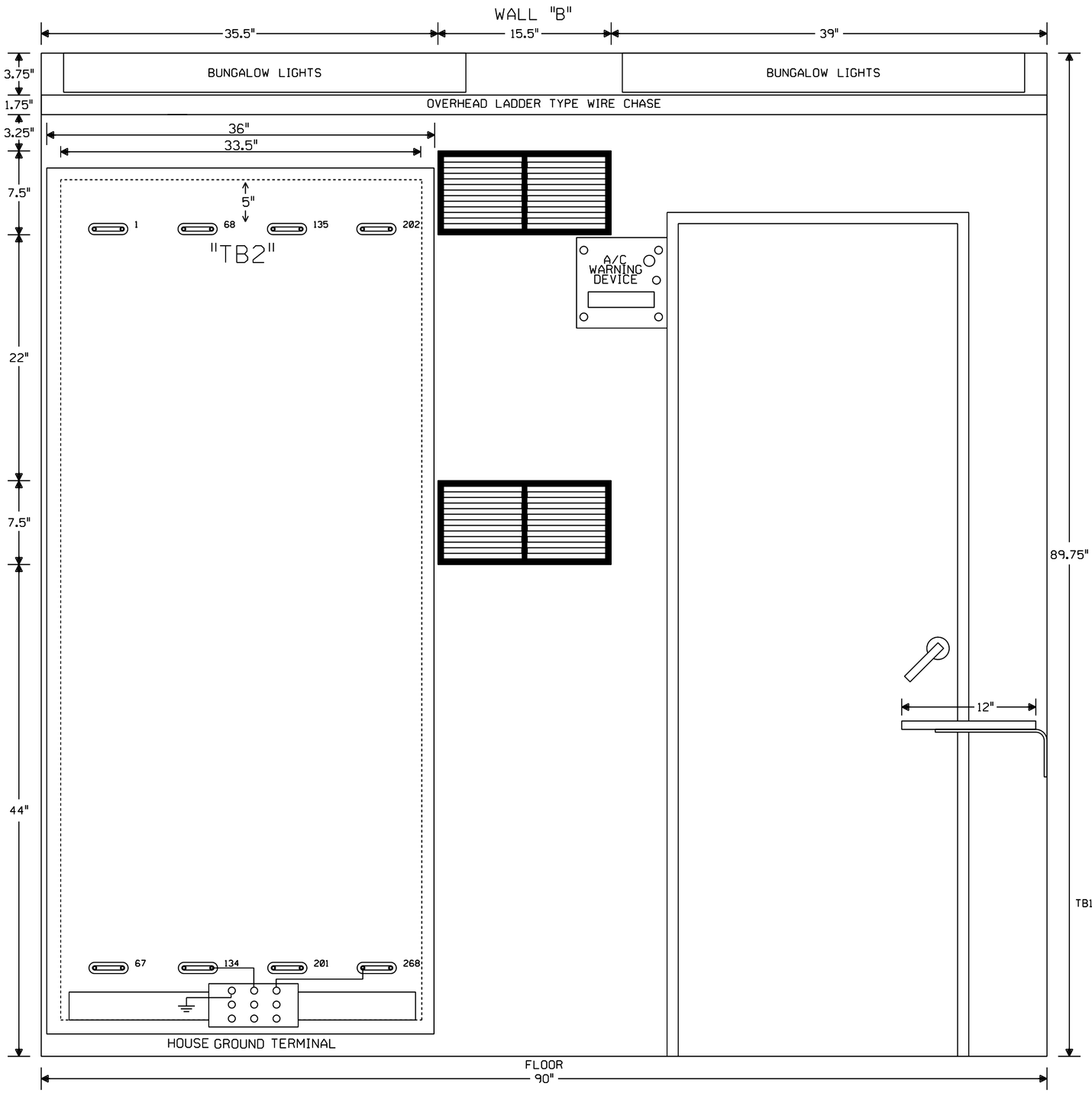


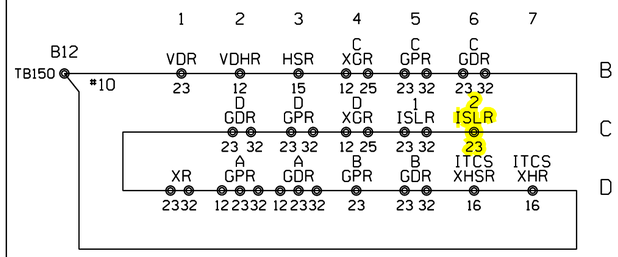
NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.

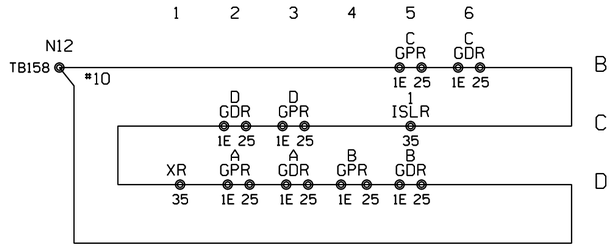
= IN

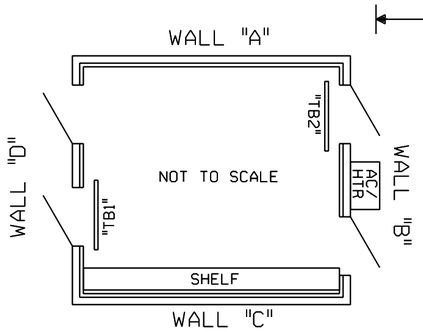
= OUT

						Designed: 3/25/15 UPGRADE ELECTROLOGIXS AND DESIGN FOR FUTURE FIBER Rec#: WO#: 12780 IS: /NBT / / WIT/JVJ	Revised: 3/30/15 INSTALLED ACS AND UPGRADED THE XINGS FROM M.P. 90-95 WITH QUAD GATES AND EGMS. Rec#: 20776 WO#: 05751 IS: 2/3/14 /MWK JH/WIT/WIT/MJF	CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN	Date: 01/10/12 Des: WIT Chk: MWK AFE: 05751	UNION PACIFIC RAILROAD PONTIAC, ILLINOIS 1500N JOLIET SUBDIVISION Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska	Sh.: ~~10~~ 11 DOT 290762C MP: 94.71 ID: CSL9471.10~~X~~ 11X







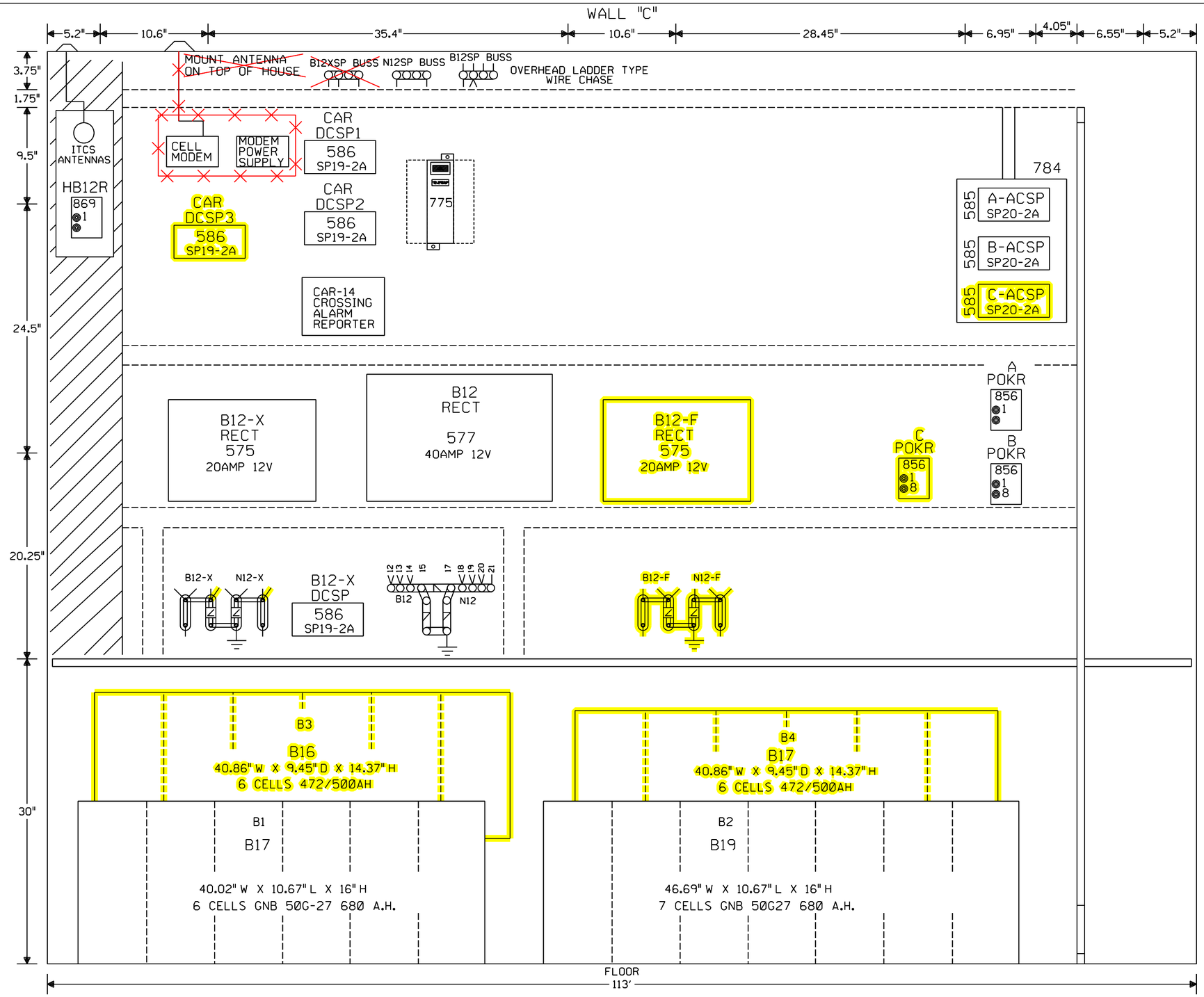


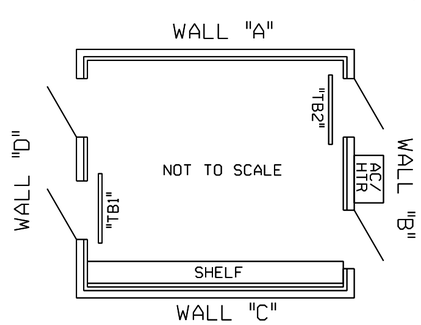
NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.

= IN

= OUT

Designed: 3/25/15 UPGRADE ELECTROLOGIXS AND DESIGN FOR FUTURE FIBER Rec#: WO#: 12780 IS: /NBT / / WIT/JVJ	Revised: 3/30/15 INSTALLED ACS AND UPGRADED THE XINGS FROM M.P. 90-95 WITH QUAD GATES AND EGMS. Rec#: 20776 WO#: 05751 IS: 2/3/14 /MWK JH/WIT/WIT/MJF	CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN	Date: 01/10/12 Des: WIT Chk: MWK AFE: 05751	UNION PACIFIC RAILROAD PONTIAC, ILLINOIS 1500N JOLIET SUBDIVISION Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska	Sh.: ~~11~~ 12 DOT 290762C MP: 94.71 ID: CSL9471.1~~1X~~ 12X



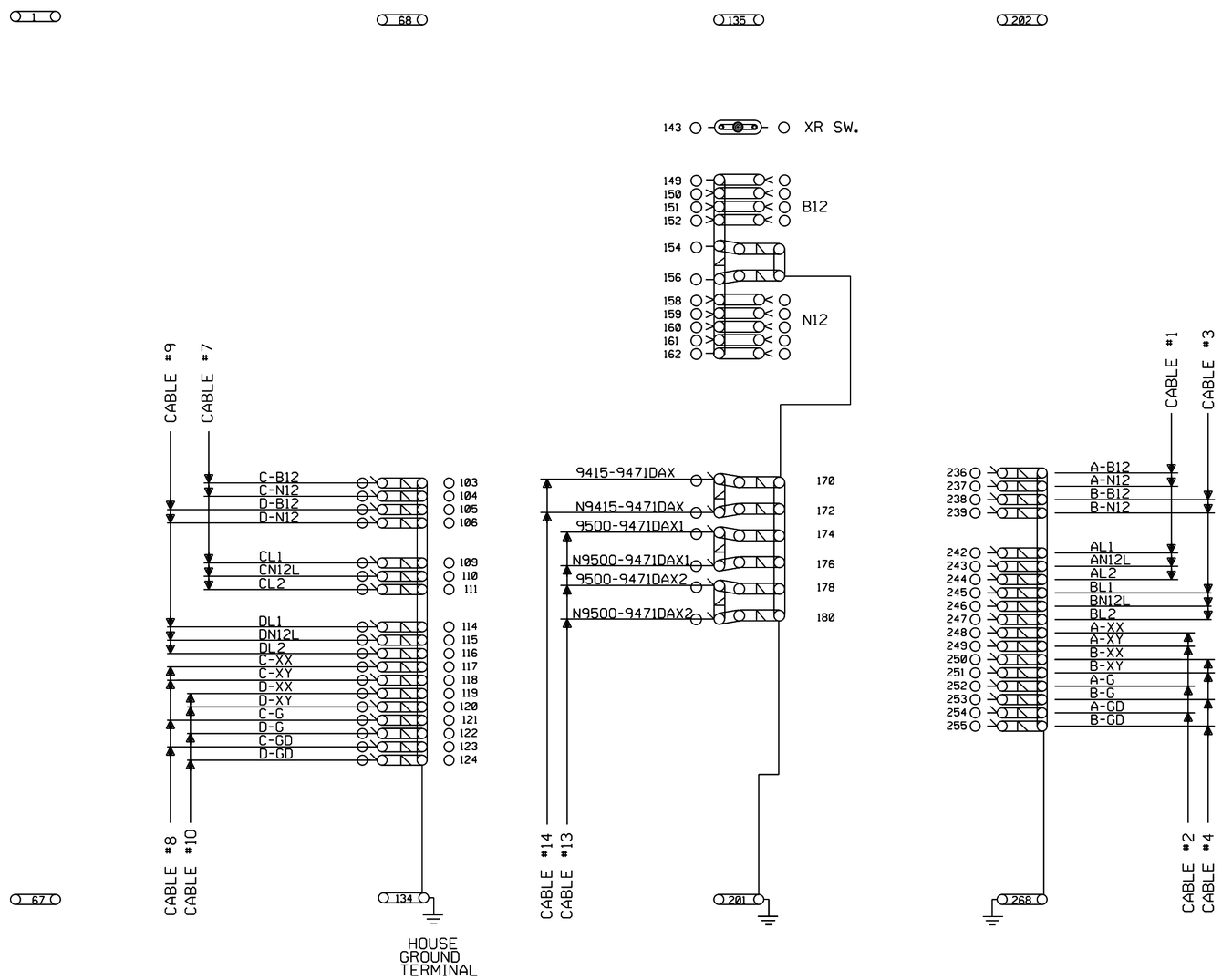


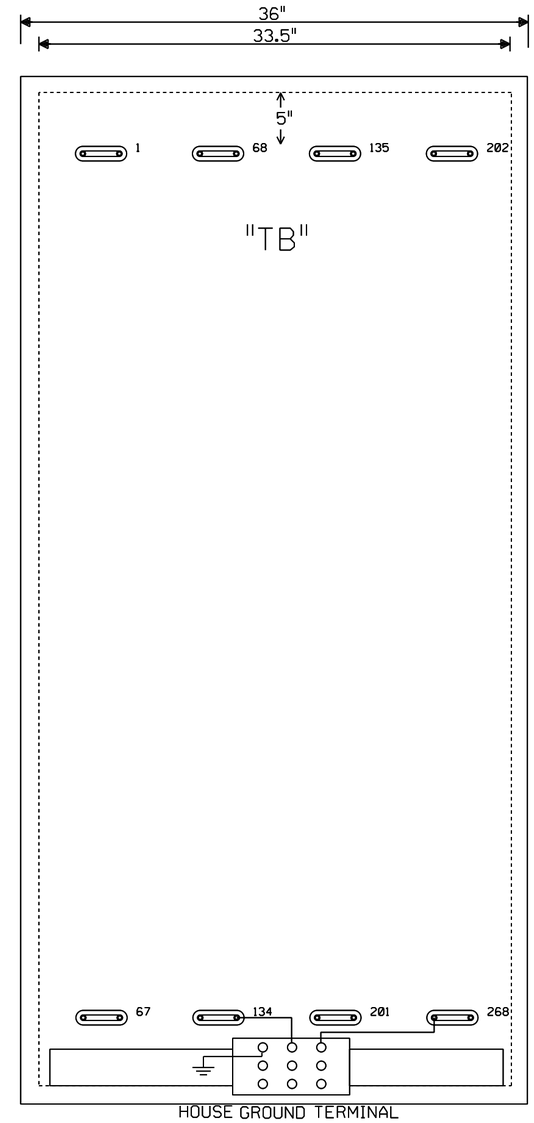
NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.

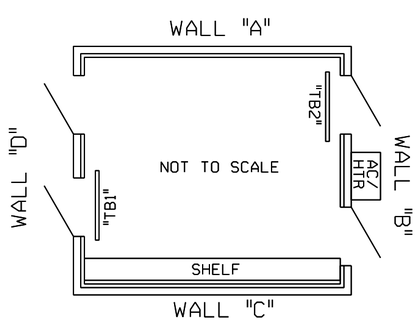
= IN

= OUT

Designed: 3/25/15 UPGRADE ELECTROLOGIXS AND DESIGN FOR FUTURE FIBER Rec#: WO#: 12780 IS: /NBT / / WIT/JVJ	Revised: 3/30/15 INSTALLED ACS AND UPGRADED THE XINGS FROM M.P. 90-95 WITH QUAD GATES AND EGMS. Rec#: 20776 WO#: 05751 IS: 2/3/14 /MWK JH/WIT/WIT/MJF	CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN	Date: 01/10/12	UNION PACIFIC RAILROAD	Sh.: ~~12~~ 13
			Des: WIT	PONTIAC, ILLINOIS	DOT 290762C
			Chk: MWK	1500N	MP: 94.71
			AFE: 05751	JOLIET SUBDIVISION	ID: CSL9471.~~12X~~ 13X
				Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska	







NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.

= IN

= OUT

SEE SIGNAL STANDARD DRAWING 846120UP FOR HOUSE GROUNDING SCHEME

						Designed: 3/25/15 UPGRADE ELECTROLOGIXS AND DESIGN FOR FUTURE FIBER Rec#: WO#: 12780 IS: /NBT / / WIT/JVJ	Revised: 3/30/15 INSTALLED ACS AND UPGRADED THE XINGS FROM M.P. 90-95 WITH QUAD GATES AND EGMS. Rec#: 20776 WO#: 05751 IS: 2/3/14 /MWK JH/WIT/WIT/MJF	CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN	Date: 01/10/12 Des: WIT Chk: MWK AFE: 05751	UNION PACIFIC RAILROAD PONTIAC, ILLINOIS 1500N JOLIET SUBDIVISION Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska	Sh.: ~~13~~ 14 DOT 290762C MP: 94.71 ID: CSL9471.~~13X~~ 14X

Minimum Program Steps Report

Location and SIN

DOT Number: 290762C
Milepost Number: MP 94.71
Site Name: 1500N PONTIAC IL

SIN: 762010010016 *

* Parameter is part of office check number calculation.

MCF and Template Selection

MCF Name: GCP-T6X-02-4.mcf
MCF Revision: 24
MCFCRC: 09FC363B
UCN: FFFFFFFF

Template = 1A:6 Trk Bi (OCCN) *

* Parameter is part of office check number calculation.

Minimum Program Steps

TEMPLATE: module configuration
Track 2/RIO 1 Slot = Track (OCCN) *
Track 5/RIO 2 Slot = RIO (OCCN) *
Track 6/RIO 3 Slot = RIO (OCCN) *

TEMPLATE: track 1-Bi, Island
Track 1 : GCP Frequency = 156 Hz (Field,TCN)
Track 1 : Approach Distance = 2886 ft (Set in Field,TCN)
Track 1 : Prime Warning Time = 38 sec (OCCN) *
Track 1 : Prime UAX = IP (OCCN) *
Track 1 : Prime UAX Pickup = 15 sec (OCCN) *
Track 1 : GCP Transmit Level = High (Set in Field,TCN)
Track 1 : Isl Frequency = 10.0 kHz (Set in Field)

TEMPLATE: track 2-Bi, Island
Track 2 : GCP Frequency = 211 Hz (Field,TCN)
Track 2 : Approach Distance = 3156 ft (Set in Field,TCN)
Track 2 : Prime Warning Time = 38 sec (OCCN) *
Track 2 : Prime UAX = IP (OCCN) *
Track 2 : Prime UAX Pickup = 15 sec (OCCN) *
Track 2 : GCP Transmit Level = High (Set in Field,TCN)
Track 2 : Isl Frequency = 8.3 kHz (Set in Field)

TEMPLATE: AND 1 XR
AND 1 Enable Used = Yes (OCCN) *

TEMPLATE: SSCC
SSCC-2 Number of GPs = 2 (OCCN) *
SSCC-2 Number of GDs = 2 (OCCN) *
SSCC 1 : Lamp Neutral Test = Off (Set in Field)
SSCC 2 : Lamp Neutral Test = Off (Set in Field)

TEMPLATE: OOS
OOS Control = OOS IPs (OCCN) *

TEMPLATE: OP assignment 1
OUT 1.1 = AND 1 XR (OCCN) *

OUT 1.2 = T1 Island (OCCN) *
OUT 2.1 = T2 Island (OCCN) *
OUT 2.2 = T2 Island (OCCN) *

TEMPLATE: OP assignment 2
OUT 6.1 = T1 Prime (OCCN) *
OUT 6.2 = T2 Prime (OCCN) *

TEMPLATE: IP assignment 1
IN 1.1 = AND 1 XR Enable (OCCN) *
IN 1.2 = Out Of Service IP 1 (OCCN) *
IN 2.1 = T2 Prime UAX (OCCN) *
IN 2.2 = Out Of Service IP 2 (OCCN) *

TEMPLATE: IP assignment 2
IN 5.2 = GP 1.1 (OCCN) *
IN 6.1 = T1 Prime UAX (OCCN) *
IN 6.2 = T1 Prime UAX (OCCN) *
IN 6.3 = T2 Prime UAX (OCCN) *

TEMPLATE: IP assignment SSCC
IN 7.1 = AND 1 XR Enable (OCCN) *
IN 8.2 = GD 2.2 (OCCN) *
IN 8.3 = GP 2.2 (OCCN) *
IN 8.4 = GD 2.1 (OCCN) *
IN 8.5 = GP 2.1 (OCCN) *

TEMPLATE: SEAR
SP 3.1 = General 3 (OCCN) *
SP 4.1 = General 4 (OCCN) *

GCP: track 1
Track 1 : Island Distance = 140 ft (Set in Field,TCN)

GCP: track 2
Track 2 : Island Distance = 140 ft (Set in Field,TCN)

ISLAND: track 1
Track 1 : Pickup Delay (2s +) = 2 sec (OCCN) *

ISLAND: track 2
Track 2 : Pickup Delay (2s +) = 2 sec (OCCN) *

ADVANCED: site options
Daylight Savings = Off (Set in Field)

SSCC
Bell On Gate Rising = Yes (OCCN) *

IO: assignment SSCC
OUT GC 2 = Not Used (OCCN) *

SEAR: slot 1-4 inputs
IN 4.1 = Vehicle Det Hlth (OCCN) *
IN 4.2 = 3 Vehicle Detect (OCCN) *

SEAR: inputs slot 5
IN 5.3 = General 1 (OCCN) *
IN 5.4 = General 2 (OCCN) *

* Parameter is part of office check number calculation.

Check Numbers

Office Check Number: 0D72F73A
Config. Check Number: 72DDDE8C
(Based on MCF Revision 24)

Parameters not part of office check number calculation:

Track 1 : GCP Frequency = 156 Hz
Track 1 : Approach Distance = 2886 ft (Set in Field)
Track 1 : GCP Transmit Level = High (Set in Field)
Track 1 : Isl Frequency = 10.0 kHz
Track 2 : GCP Frequency = 211 Hz
Track 2 : Approach Distance = 3156 ft (Set in Field)
Track 2 : GCP Transmit Level = High (Set in Field)
Track 2 : Isl Frequency = 8.3 kHz
SSCC 1 : Lamp Neutral Test = Off (Set in Field)
SSCC 2 : Lamp Neutral Test = Off (Set in Field)
Track 1 : Island Distance = 140 ft (Set in Field)
Track 2 : Island Distance = 140 ft (Set in Field)
Daylight Savings = Off (Set in Field)

Comments

<none>

Configuration Package File

Filename: CSL9471_290762C.pac
Path: C:\PAC File\
Date/Time: 4/28/2016 7:22:48