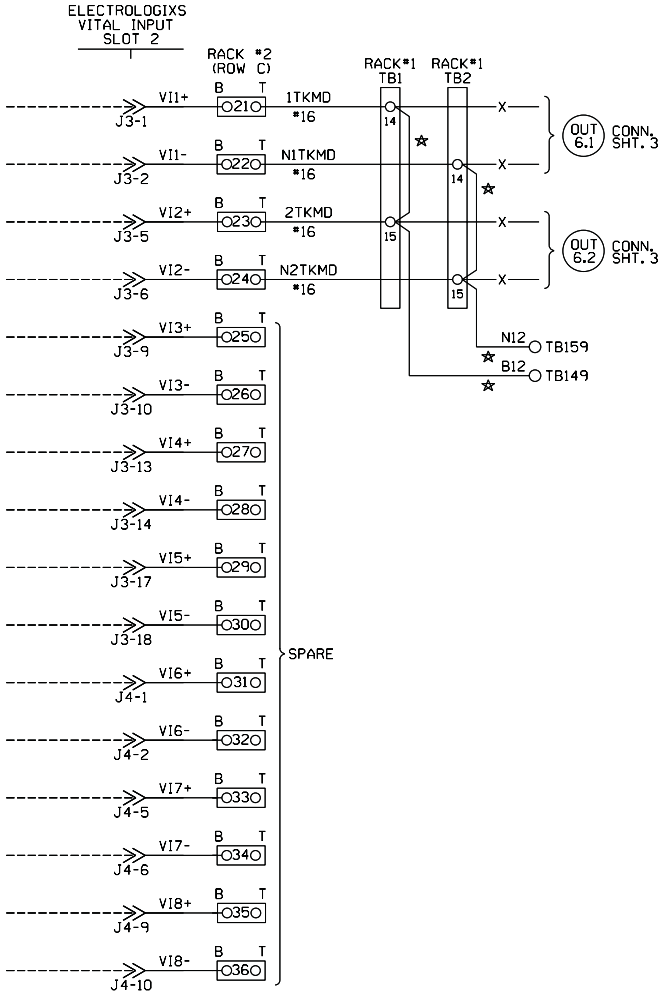


-X- = TAPE & DISCONNECT UNTIL 2ND MAIN LINE IS INSTALLED

★ = TEMPORARY JUMPER. REMOVE WHEN 2ND MAIN LINE IS INSTALLED.

NEW SHEET

Designed: 7-15-15
HIGH SPEED RAIL
TIER 6
M.P. 45.77 TO 54.85
Rec#:
IS:
WO#: 10925
/NBT
/ /WIT/JVJ

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

DATE:	07-15-15
DES:	WIT
CHK:	NBT
A.F.E.	10925

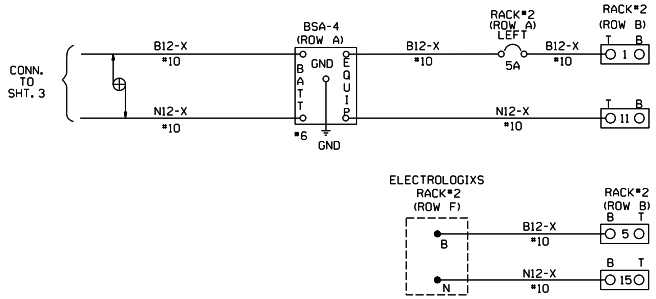
UNION PACIFIC RAILROAD

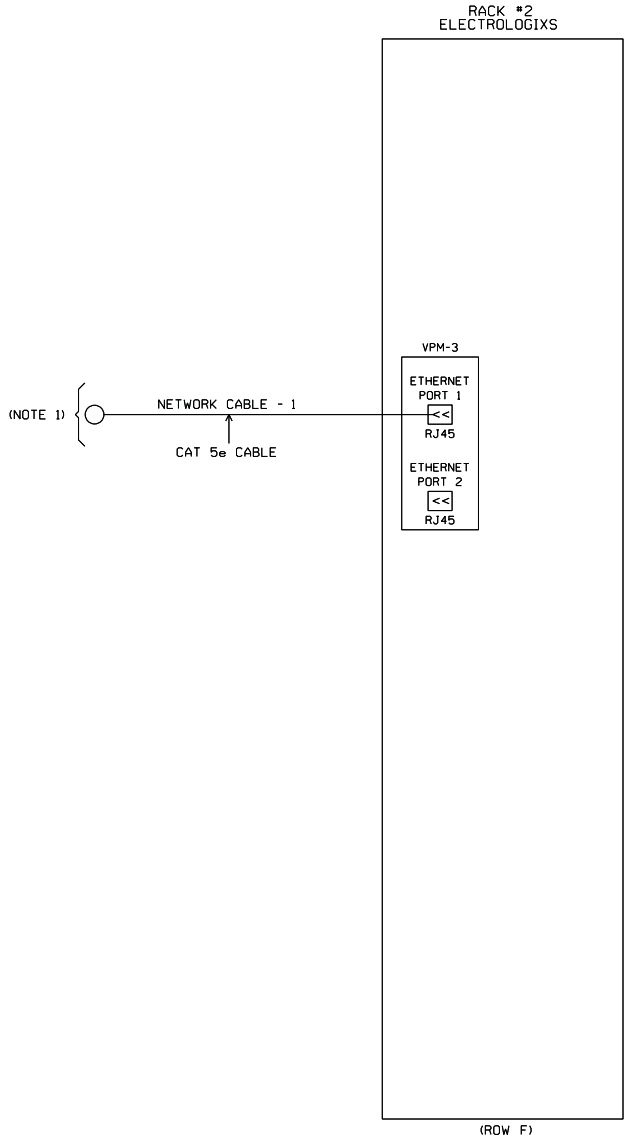
WILMINGTON, ILLINOIS
COAL CITY ROAD
JOLIET SUBDIVISION

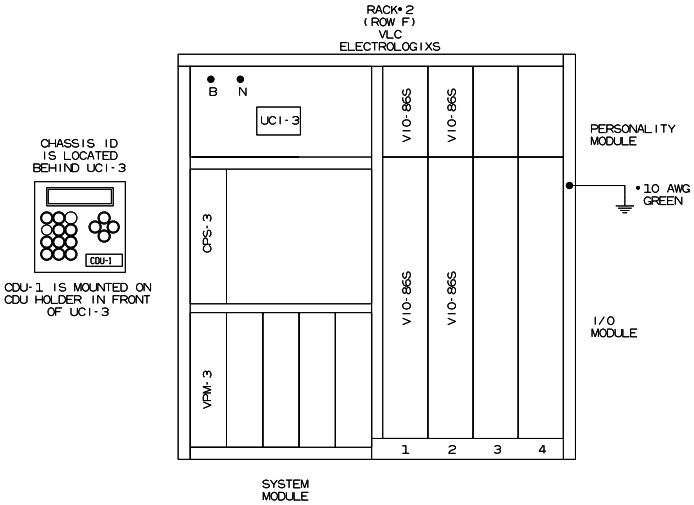
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

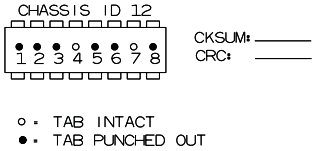
SH.	10A
DOT	290505E
M.P.	54.85
ID=	CSL5485.10AX

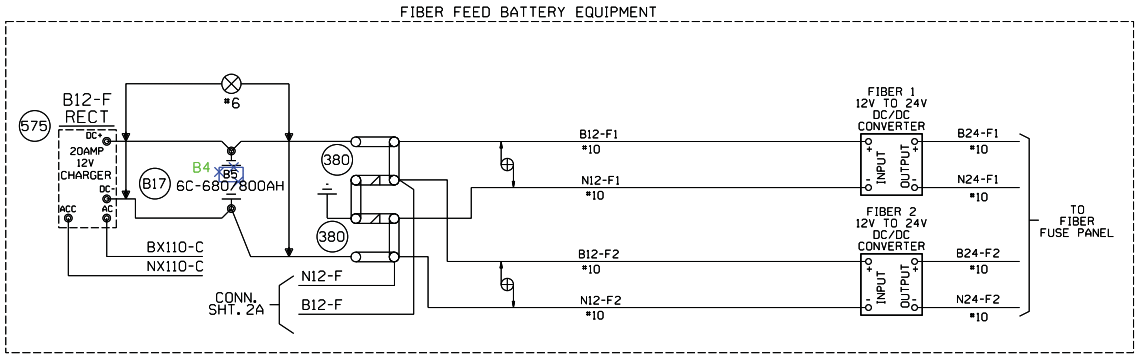
WIRING NOTE:
WIRE 30' LONG WIRES TO BSA-4











NOTES:

DENOTES TWISTED PAIR

O?? O 2 POSITION WAGO BLOCK

NEW SHEET

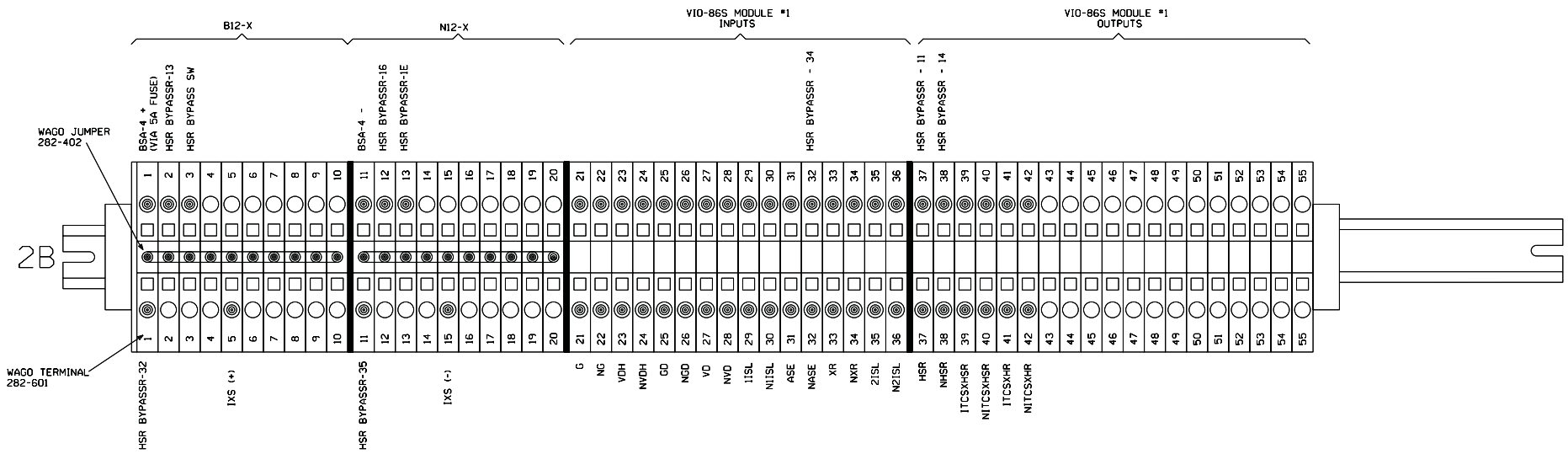
Designed: 7-15-15
HIGH SPEED RAIL
TIER 6
M.P. 45.77 TO 54.85
Rec#: 15:
WO#: 10925 /NBT
/ WIT/JVJ

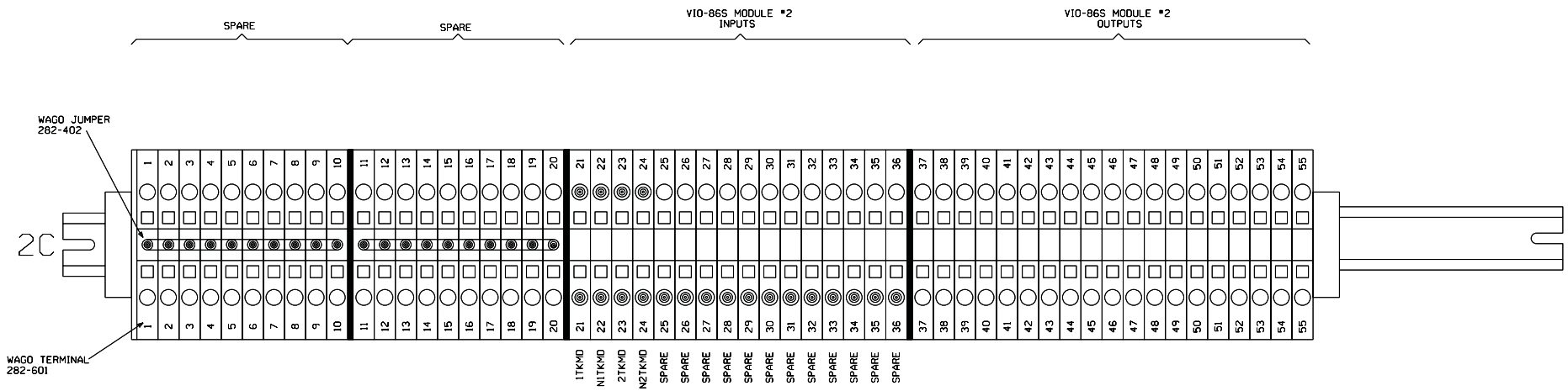
CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN

DATE:	07-15-15
DES:	WIT
CHK:	NBT
A.F.E.	10925

UNION PACIFIC RAILROAD
WILMINGTON, ILLINOIS
COAL CITY ROAD
JOLIET SUBDIVISION
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

SH.	10B
DOT	290505E
M.P.	54.85
ID=	CSL5485.10BX





ELECTROLOGIXS WAGO BLOCKS

NEW SHEET

Designed: 7-15-15
HIGH SPEED RAIL
TIER 6
M.P. 45.77 TO 54.85
Rec*: WO*: 10925
IS: /NBT
/ /WIT/JVJ

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

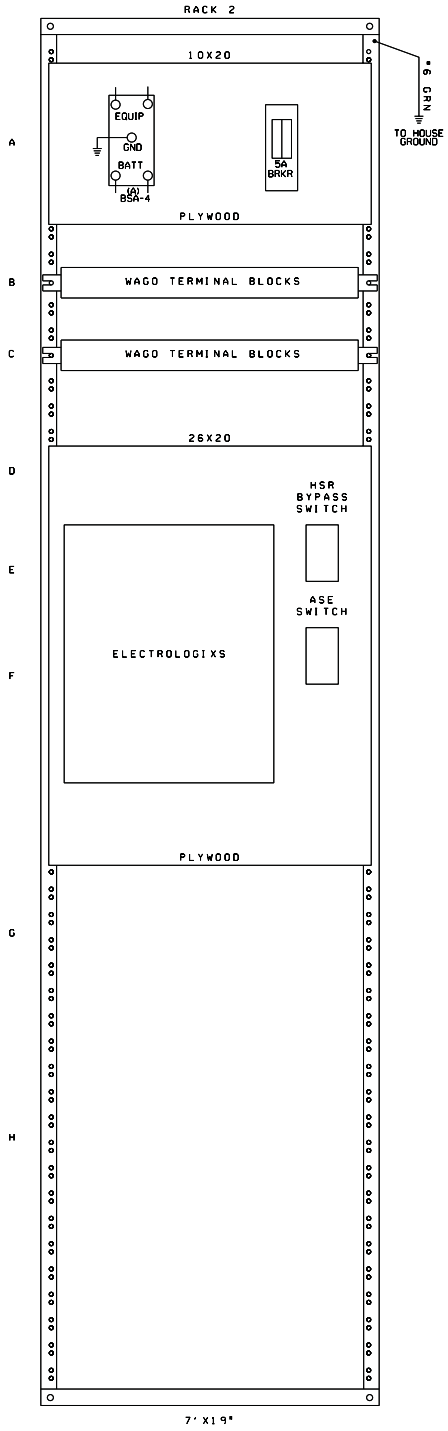
DATE:	07-15-15
DES:	WIT
CHK:	NBT
A.F.E.	10925

UNION PACIFIC RAILROAD

WILMINGTON, ILLINOIS
COAL CITY ROAD
JOLIET SUBDIVISION

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

SH.	10C
DOT	290505E
M.P.	54.85
ID=	CSL5485.10CX



NEW SHEET

Designed: 7-15-15
HIGH SPEED RAIL
TIER 6
M.P. 45.77 TO 54.85
Rec*:
IS:
WO*: 10925
/NBT
/ WIT/JVJ

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

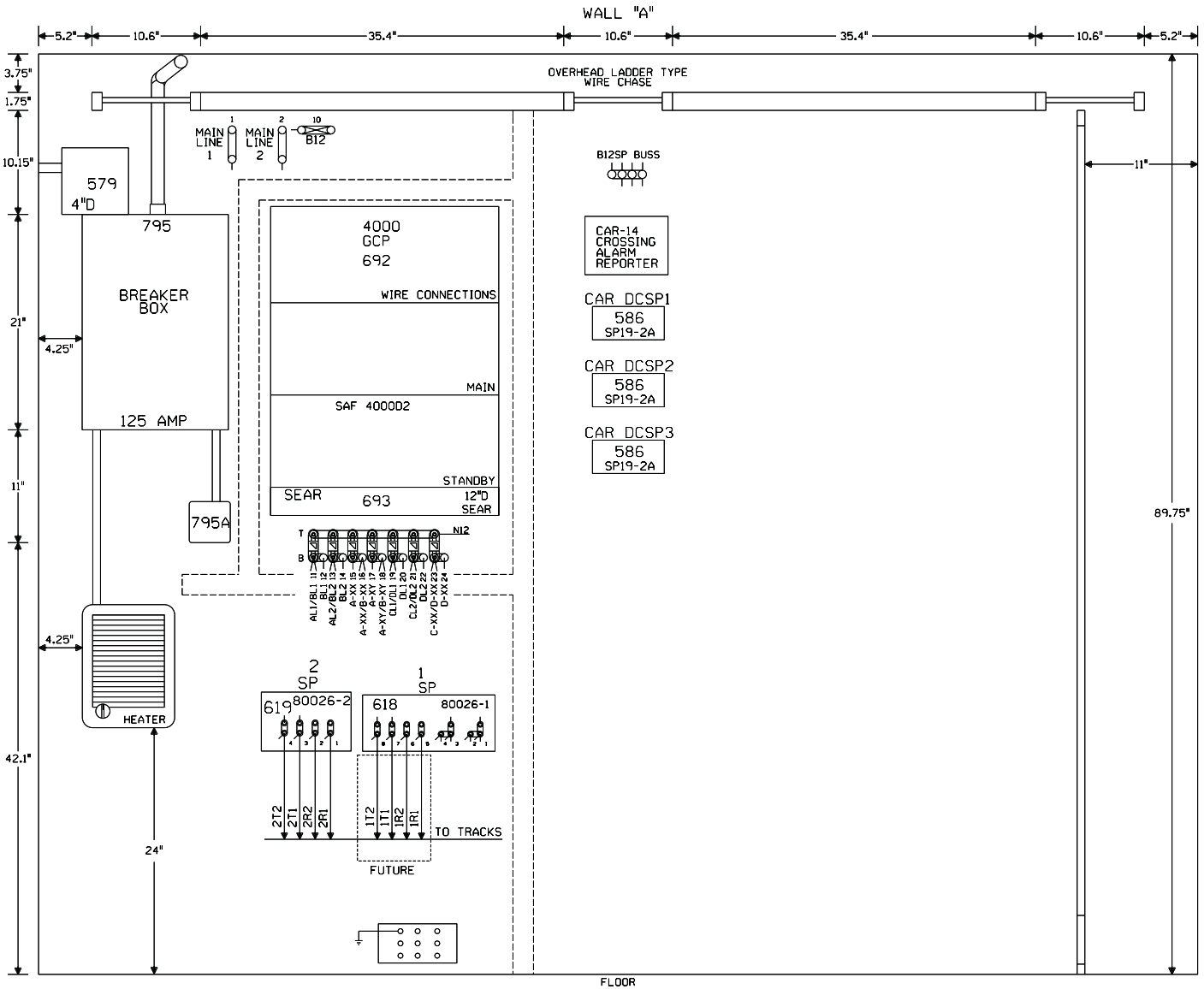
DATE:	07-15-15
DES:	WIT
CHK:	NBT
A.F.E.	10925

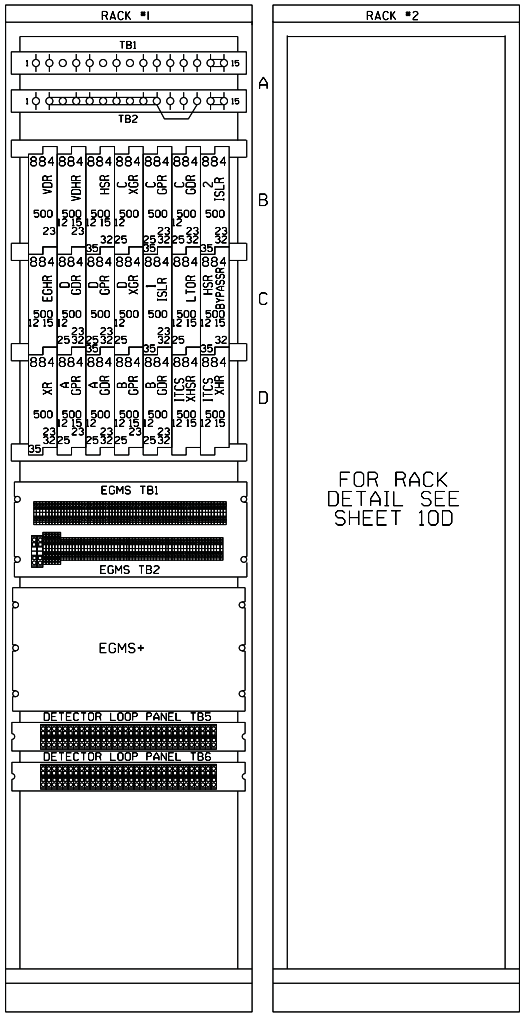
UNION PACIFIC RAILROAD

WILMINGTON, ILLINOIS
COAL CITY ROAD
JOLIET SUBDIVISION

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

SH.	10D
DOT	290505E
M.P.	54.85
ID=	CSL5485.10DX

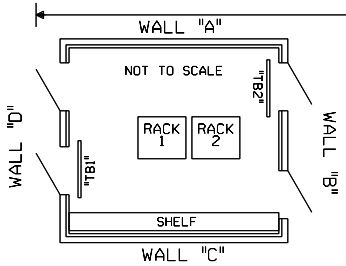




ML2 RACK
RACK DEPTH 13"
19"W 84"H

ML2 RACK
RACK DEPTH 13"
19"W 84"H

8X10 HOUSE WITH HEATER AND BLOWER U.P. PART#520-2532



NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.

NEW SHEET

Designed: 7-15-15
HIGH SPEED RAIL
TIER 6
M.P. 45.77 TO 54.85
Rec'd: ISI
WO#: 10925
NBT
WIT/JVJ

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

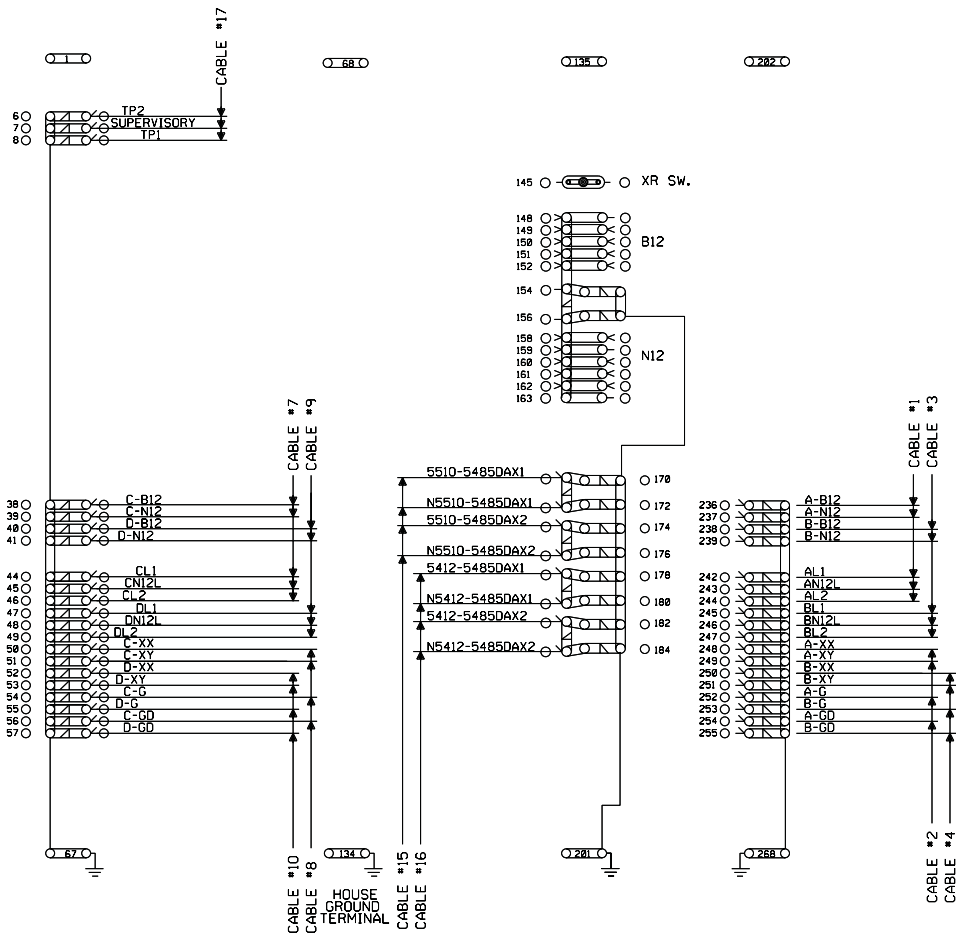
DATE:	07-15-15
DES:	WIT
CHK:	NBT
A.F.E.	10925

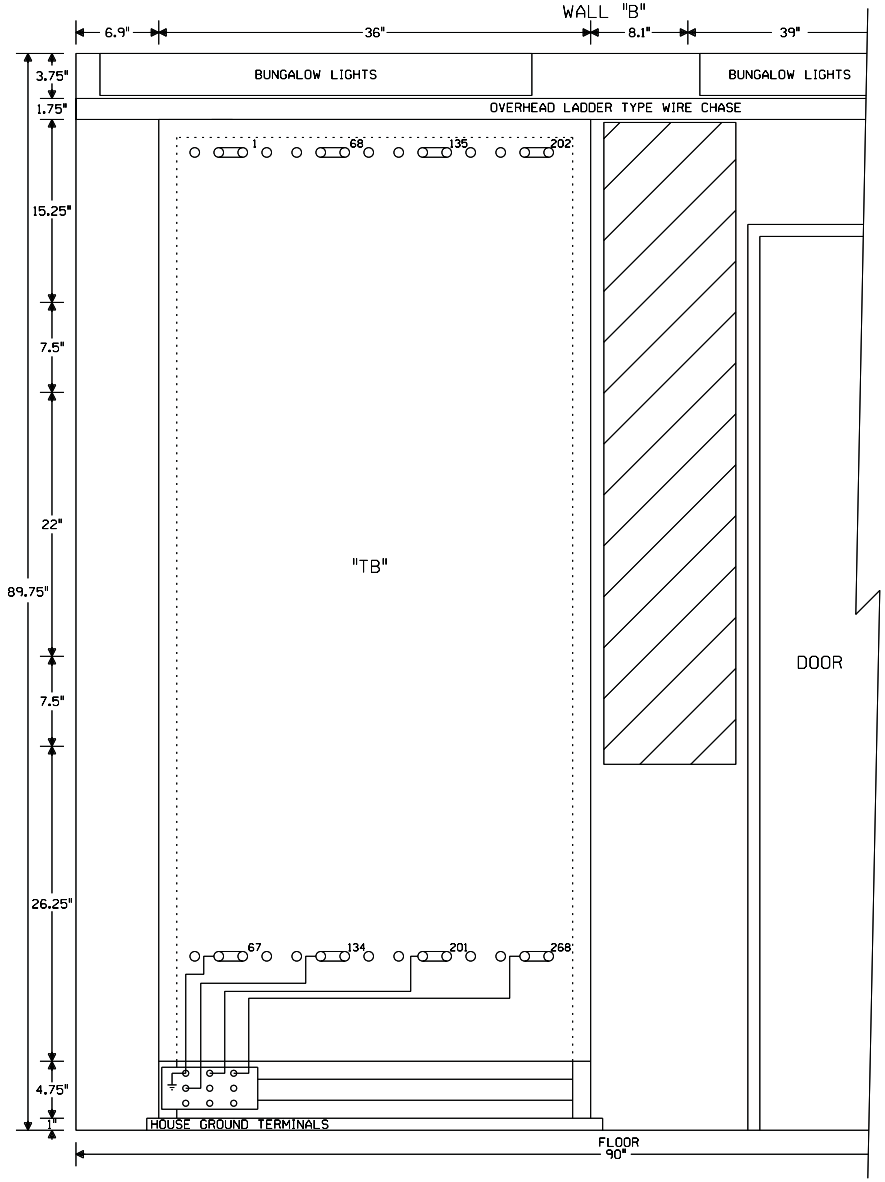
UNION PACIFIC RAILROAD

WILMINGTON, ILLINOIS
COAL CITY ROAD
JOLIET SUBDIVISION

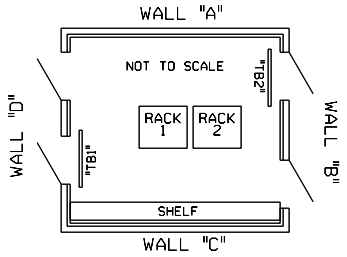
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

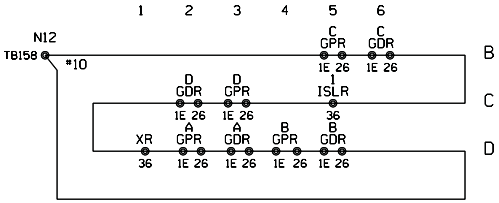
SH.	11
DOT	290505E
M.P.	54.85
ID=	CSL5485.11X

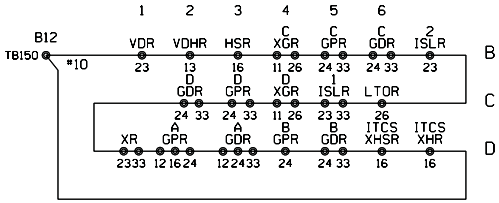




NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.







NEW SHEET

Designed: 7-15-15
HIGH SPEED RAIL
TIER 6
M.P. 45.77 TO 54.85
Rec#: 151
WO#: 10925
NBT
WIT/JVJ

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

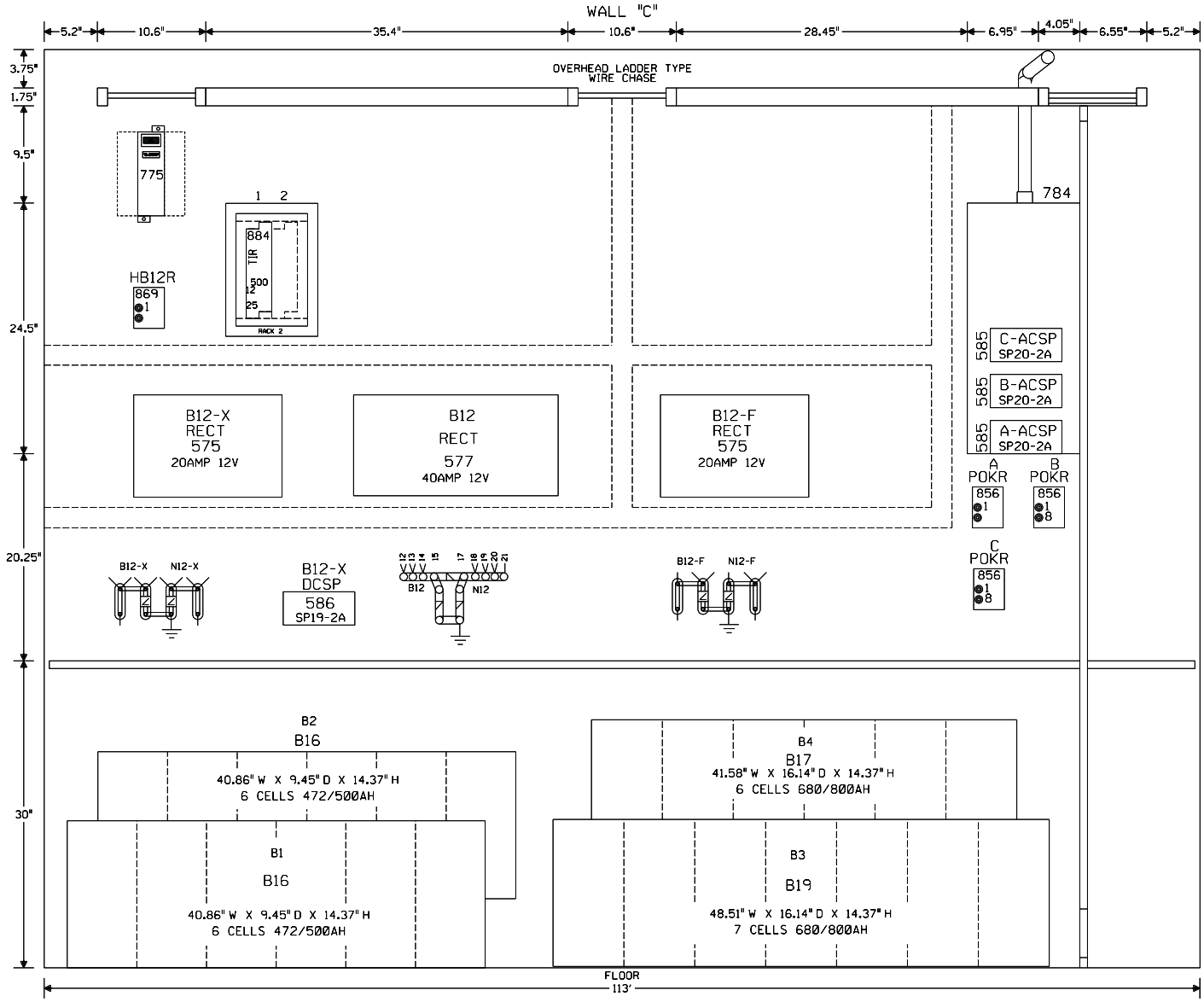
DATE:	07-15-15
DES:	WIT
CHK:	NBT
A.F.E.	10925

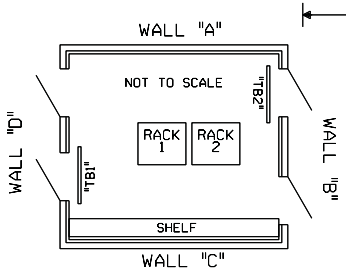
UNION PACIFIC RAILROAD

WILMINGTON, ILLINOIS
COAL CITY ROAD
JOLIET SUBDIVISION

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

SH.	12
DOT	290505E
M.P.	54.85
ID=	CSL5485.12X





NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.

NEW SHEET

Designed: 7-15-15
HIGH SPEED RAIL
TIER 6
M.P. 45.77 TO 54.85
Rec*: WO*: 10925
IS: /NBT
/ / WIT/JVJ

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

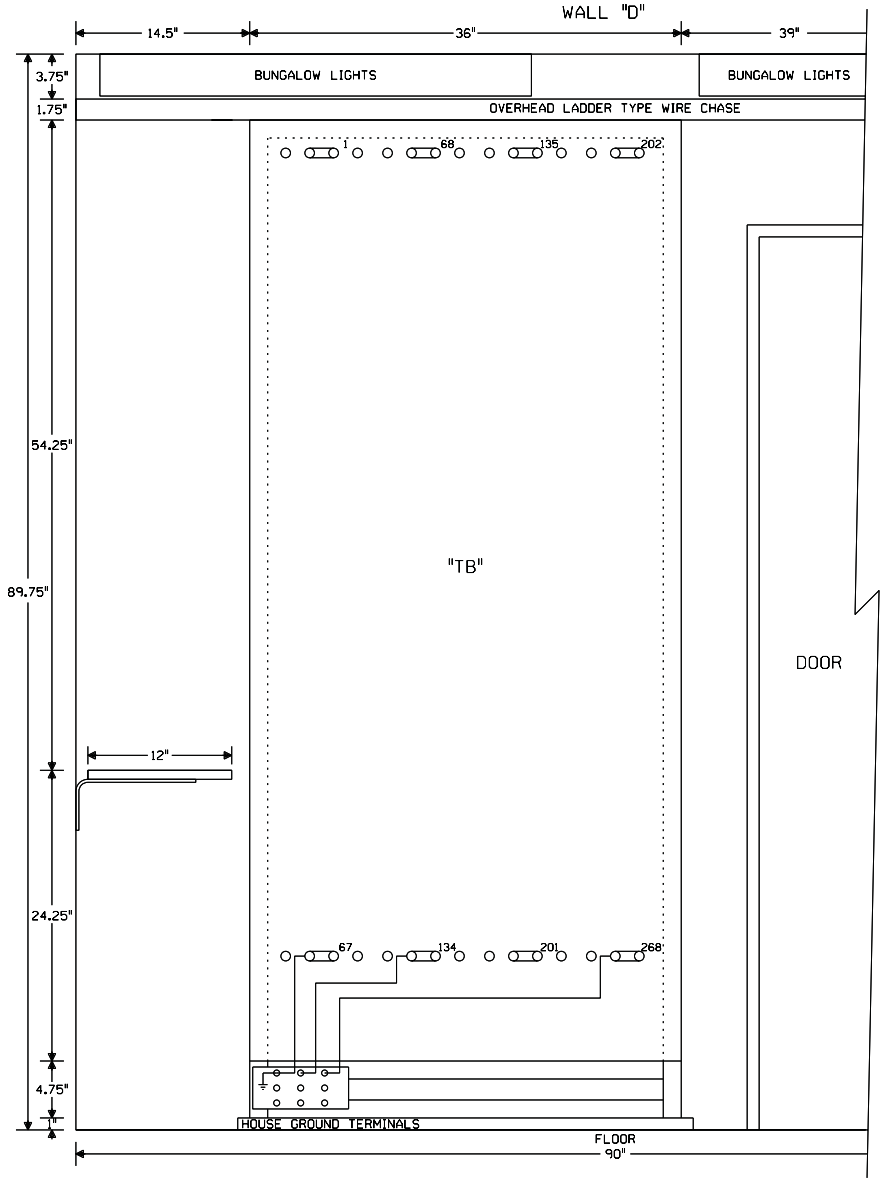
DATE:	07-15-15
DES:	WIT
CHK:	NBT
A.F.E.	10925

UNION PACIFIC RAILROAD

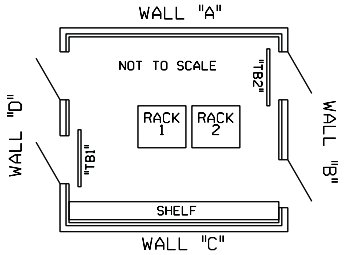
WILMINGTON, ILLINOIS
COAL CITY ROAD
JOLIET SUBDIVISION

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

SH.	13
DOT	290505E
M.P.	54.85
ID=	CSL5485.13X



NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.



NEW SHEET

Designed: 7-15-15 HIGH SPEED RAIL TIER 6 M.P. 45.77 TO 54.85 Rec*: WO*: 10925 IS: /NBT / / WIT/JVJ	CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN	DATE: 07-15-15 DES: WIT CHK: NBT A.F.E. 10925	**UNION PACIFIC RAILROAD** WILMINGTON, ILLINOIS COAL CITY ROAD JOLIET SUBDIVISION Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska	SH. 14 DOT 290505E M.P. 54.85 ID= CSL5485.14X	

Minimum Program Steps Report

Location and SIN

DOT Number: 290505E
Milepost Number: 54.85
Site Name: WILMINGTON, IL

SIN: 762010010016 *

* Parameter is part of office check number calculation.

MCF and Template Selection

MCF Name: GCP-T6X-02-6.mcf
MCF Revision: 26
MCFCRC: 494D2656

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: preemption
Preempt Logic = Simult (OCCN) *

TEMPLATE: track 1-Bi, Island
Track 1 : GCP Transmit Level = Medium (Set in Field,TCN)

TEMPLATE: track 2-Bi, Island
Track 2 : GCP Frequency = 86 Hz (OCCN) *
Track 2 : Approach Distance = 3733 ft (OCCN) *
Track 2 : Prime Warning Time = 40 sec (OCCN) *
Track 2 : Prime UAX = IP (OCCN) *
Track 2 : Prime UAX Pickup = 15 sec (OCCN) *
Track 2 : GCP Transmit Level = Medium (Set in Field,TCN)
Track 2 : Isl Frequency = 10.0 kHz (OCCN) *

TEMPLATE: AND 1 XR
AND 1 XR Track 1 = Not Used (OCCN) *
AND 1 Enable Used = Yes (OCCN) *

TEMPLATE: SSCC
SSCC-2 Number of GPs = 2 (OCCN) *
SSCC-2 Number of GDs = 2 (OCCN) *

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

TEMPLATE: OP assignment 1
OUT 1.1 = AND 1 XR (OCCN) *
OUT 2.1 = T2 Island (OCCN) *
OUT 2.2 = Sim Preempt (OCCN) *

TEMPLATE: IP assignment 1
IN 1.1 = AND 1 XR Enable (OCCN) *

IN 2.1 = Out Of Service IP 2 (OCCN) *
IN 2.2 = GP 1.1 (OCCN) *

TEMPLATE: IP assignment 2
IN 5.3 = Preempt Health (OCCN) *
IN 6.2 = T2 Prime UAX (OCCN) *
IN 6.4 = 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) *

MS4000 configuration
IN 1.1 = AND 1 XR Enable (OCCN) (Hidden) *

PREDICTORS: track 1
Track 1 : Prime Used = No (OCCN) *

GCP: track 2
Track 2 : Island Distance = 154 ft (Set in Field,TCN)

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) *

SEAR: slot 1-4 inputs
IN 3.1 = General 3 (OCCN) *
IN 3.2 = General 4 (OCCN) *
IN 4.1 = Vehicle Det Hlth (OCCN) *
IN 4.2 = 3 Vehicle Detect (OCCN) *

SEAR: inputs slot 5
IN 5.1 = General 2 (OCCN) *
IN 5.2 = General 1 (OCCN) *

Express: MS4000 configuration
IN 1.1 = AND 1 XR Enable (OCCN) (Hidden) *

* Parameter is part of office check number calculation.

Check Numbers

Office Check Number: 600230C7
Config. Check Number: 7CBC6EBB
(Based on MCF Revision 26)

Parameters not part of office check number calculation:

Track 1 : GCP Transmit Level = Medium (Set in Field)
Track 2 : GCP Transmit Level = Medium (Set in Field)
Track 2 : Island Distance = 154 ft (Set in Field)
Daylight Savings = Off (Set in Field)

Comments

<none>

Configuration Package File

Filename: CSL5485_290505E.pac
Path: C:\PAC Files\
Date/Time: 2/16/2016 13:22:02