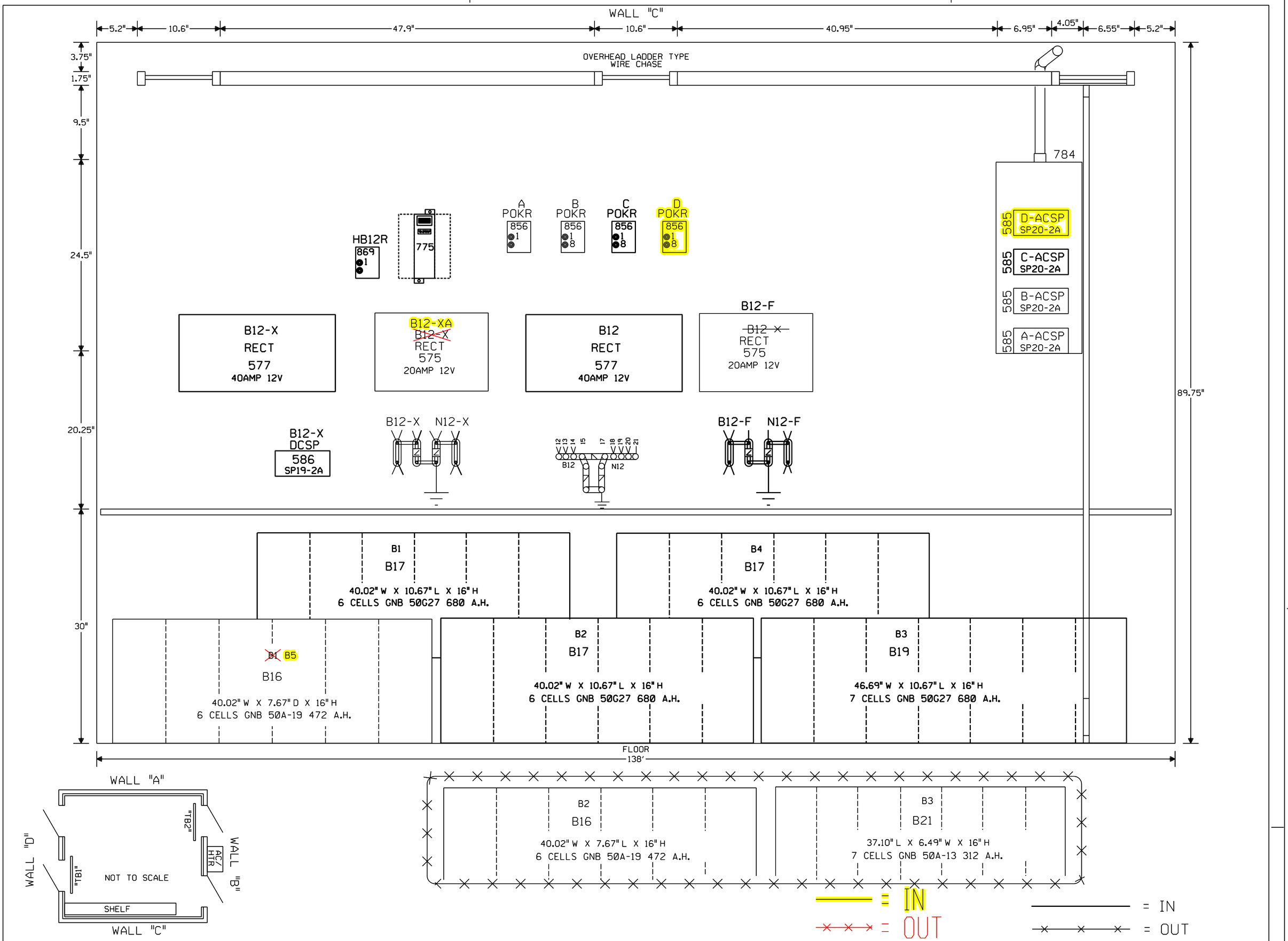


Designed: 10-10-16
REVISE W(S) APPROACH ON SIDING AND WYE TRACKS
Rec#: WO#: 10925
IS: /NBT /WIT/JVJ

Designed: 01/20/14
TIER 6
HIGH SPEED RAIL
M.P. 38 TO 48
Rec#: WO#: 10925 /MWK
IS: / / RC/JVJ

Revised: 10/14/10
JOLIET INTERMODAL
REVISED PER TRACK REDESIGN- FUTURE DOUBLE TRACK #24 XOVERS JOLIET TO ELWOOD
Rec#: 17182 WO#: 87545
IS: 09/09/10 MWK/MWK JWS/WIT/EEM/RLL

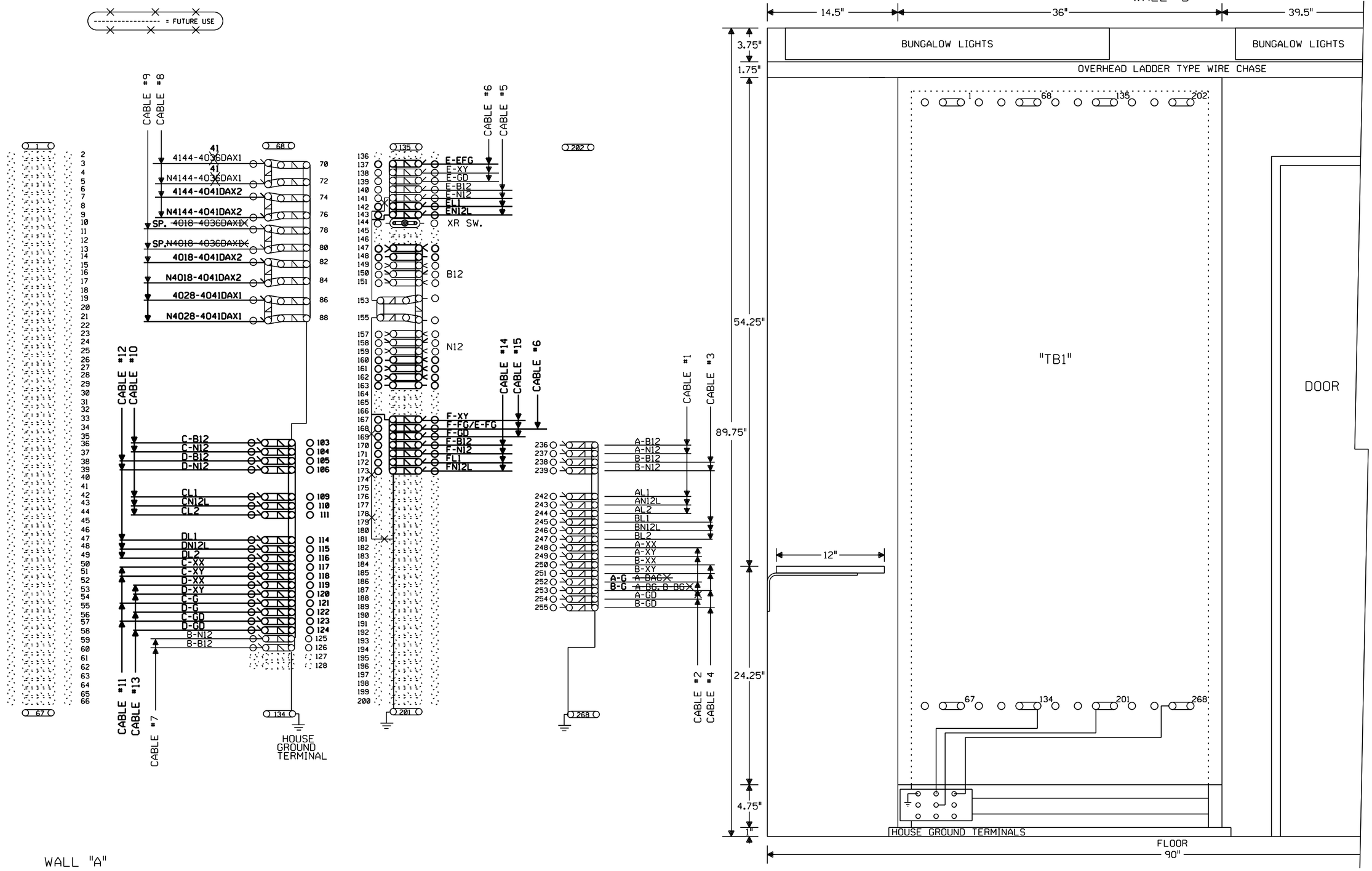
CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN

Date: 9/1/09
Des: WSD
Chk: MWK
AFE: 87545

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

Sh.: ~~10X~~ 14
DOT 289771E
MP: 40.36
ID: CSL4036.~~10XX~~

14X



NOTE: ALL DIMENSIONS SHOWN ARE APPROXIMATE.

= IN

= OUT

Designed: 01/20/14 TIER 6 HIGH SPEED RAIL M.P. 38 TO 48 Rec#: WO#: 10925 IS: WIT/MWK / / RC/JVJ	Revised: 10/14/10 JOLIET INTERMODAL REVISED PER TRACK REDESIGN- FUTURE DOUBLE TRACK #24 XOVERS JOLIET TO ELWOOD Rec#: 17182 WO#: 87545 IS: 09/09/10 MWK/MWK JWS/WIT/EEM/RLL	CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN	Date: 9/1/09 Des: WSD Chk: MWK AFE: 87545	UNION PACIFIC RAILROAD JOLIET, ILLINOIS LARAWAY ROAD JOLIET SUBDIVISION Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska	Sh.: ~~11X~~ 15 DOT 289771E MP: 40.36 ID: CSL4036.~~11XX~~			

15X

Minimum Program Steps Report

Location and SIN

DOT Number: 289771E
Milepost Number: 40.41
Site Name: JOLIET, IL GCPA

SIN: 762010010016 *

* Parameter is part of office check number calculation.

MCF and Template Selection

MCF Name: GCP-T6X-02-1.mcf
MCF Revision: 021
MCFCRC: 6076E435

Template = 2G:Bi,4 Uni, Rem *

* Parameter is part of office check number calculation.

Minimum Program Steps

BASIC: module configuration
Track 5/RIO 2 Slot = Track *
Track 6/RIO 3 Slot = Track *

PREDICTORS: track 4
Track 4 : Prime Used = No *
Track 4 : Dax A Used = Yes *

GCP: track 1
Track 1 : GCP Frequency = 645 Hz *
Track 1 : Approach Distance = 690 ft *
Track 1 : Island Distance = 189 ft *

GCP: track 1 prime
Track 1 : Prime Warning Time = 42 sec *
Track 1 : Prime UAX = IP *
Track 1 : Prime UAX Pickup = 15 sec *

GCP: track 2
Track 2 : GCP Frequency = 525 Hz *
Track 2 : Approach Distance = 1821 ft *
Track 2 : Island Distance = 189 ft *

GCP: track 2 prime
Track 2 : Prime Warning Time = 42 sec *
Track 2 : Prime UAX = IP *
Track 2 : Prime UAX Pickup = 15 sec *

GCP: track 3
Track 3 : GCP Frequency = 86 Hz *
Track 3 : Approach Distance = 4440 ft *

GCP: track 3 prime
Track 3 : Prime Warning Time = 42 sec *

GCP: track 4
Track 4 : GCP Frequency = 790 Hz *
Track 4 : Approach Distance = 423 ft *

```
GCP:  track 4 Dax A
Track 4 : Dax A Warning Time = 42 sec *
Track 4 : Dax A Offset Distance = 347 ft *

GCP:  track 5
Track 5 : GCP Frequency = 525 Hz *
Track 5 : Approach Distance = 1821 ft *
Track 5 : Island Distance = 189 ft *

GCP:  track 5 prime
Track 5 : Prime Warning Time = 42 sec *
Track 5 : Prime UAX = IP *
Track 5 : Prime UAX Pickup = 15 sec *

GCP:  track 6
Track 6 : GCP Frequency = 86 Hz *
Track 6 : Approach Distance = 4440 ft *

GCP:  track 6 prime
Track 6 : Prime Warning Time = 42 sec *

ISLAND:  track 1
Track 1 : Isl Frequency = 13.2 kHz *
Track 1 : Pickup Delay (2s +) = 2 sec *

ISLAND:  track 2
Track 2 : Isl Frequency = 10.0 kHz *
Track 2 : Pickup Delay (2s +) = 2 sec *

ISLAND:  track 5
Track 5 : Isl Frequency = 11.5 kHz *
Track 5 : Pickup Delay (2s +) = 2 sec *

AND:  track Anding
AND 2 Used = Yes *
AND 3 Used = Yes *

AND:  AND 1 XR
AND 1 XR Track 4 = Dax A *
AND 1 Enable Used = Yes *

AND:  AND 2
AND 2 Track 2 = Prime *
AND 2 Track 3 = Prime *

AND:  AND 3
AND 3 Track 5 = Prime *
AND 3 Track 6 = Prime *

ADVANCED:  out of service
OOS Control = OOS IPs *

ADVANCED:  out of service 2
T1 OOS Control = OOS Input 3 *
T2 OOS Control = OOS Input 1 *
T3 OOS Control = OOS Input 1 *
T4 OOS Control = None *
T5 OOS Control = OOS Input 2 *
T6 OOS Control = OOS Input 2 *

ADVANCED:  internal I/O 1
Int.1 Sets = AND 1 XR Enable *
```

```
Int.1 Set by = T4 Dax A *

SSCC:  2
SSCC-2 Number of GPs = 2 *
SSCC-2 Number of GDs = 2 *

OUTPUT:  assignment page 1
OUT 1.1 = AND 1 XR *
OUT 2.1 = T2 Island *
OUT 2.2 = T5 Island *
OUT 3.1 = T1 Island *

OUTPUT:  assignment page 2
OUT 5.1 = AND 2 *
OUT 5.2 = AND 3 *
OUT 6.1 = T1 Prime *

INPUT:  assignment page 1
IN 1.1 = AND 1 XR Enable *
IN 1.2 = Out Of Service IP 1 *
IN 2.1 = Out Of Service IP 2 *
IN 2.2 = Out Of Service IP 3 *
IN 3.1 = T2 Prime UAX *
IN 3.2 = T2 Prime UAX *

INPUT:  assignment page 2
IN 5.1 = GP 1.1 *
IN 5.2 = T1 Prime UAX *
IN 6.1 = T5 Prime UAX *
IN 6.2 = T5 Prime UAX *

IO:  assignment SSCC
IN 7.1 = AND 1 XR Enable *
IN 7.2 = GD 1.1 *
IN 7.4 = GD 1.2 *
IN 8.2 = GD 2.1 *
IN 8.3 = GP 2.1 *
IN 8.4 = GD 2.2 *
IN 8.5 = GP 2.2 *

SEAR
DI 1 = General 1 *
DI 2 = General 2 *

SEAR:  inputs
SP 3.1 = General 3 *
SP 4.1 = General 4 *
SP 5.1 = General 2 *
SP 6.1 = General 3 *

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

SEAR:  slot 7-8 inputs
IN 8.1 = General 1 *

* Parameter is part of office check number calculation.

Check Numbers
-------------
Office Check No. (DT 4.6.0): 1649E687
Office Check Number: 1649E687
```

Config. Check Number: 3525DAB2
(Based on MCF Revision 021)

Parameters not part of office check number calculation:

Comments

Input DI1 assigned to general 1 for PED gate E GD.
Input DI2 assigned to general 2 for PED gate F GD.
Input 6.1 assigned to general 3 for PED gates GP.

Configuration Package File

Filename: CSL4041_289771E_A.pac
Path: C:\PAC File\
Date/Time: 10/13/2016 13:57:48
DT Version: 5.7.3

Minimum Program Steps Report

Location and SIN

DOT Number: 289771E
Milepost Number: 40.41
Site Name: JOLIET, IL GCPB

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 = 4A:6 Remotes (OCCN) *

* Parameter is part of office check number calculation.

Minimum Program Steps

MS4000 configuration
Track 1 : GCP Frequency = 970 Hz (OCCN,TCN) (Hidden) *

BASIC: module configuration
Chassis Type = Dual Two Track (OCCN) *
SEAR Used = Yes (OCCN) *

GCP: track 1
Track 1 : GCP Frequency = 970 Hz (OCCN,TCN) *
Track 1 : Approach Distance = 690 ft (OCCN,TCN) *

GCP: track 1 Dax A
Track 1 : Dax A Warning Time = 42 sec (OCCN) *
Track 1 : Dax A Offset Distance = 0 ft (OCCN) *

OUTPUT: assignment page 1
OUT 1.1 = T1 Dax A (OCCN) *

Express: MS4000 configuration
Track 1 : GCP Frequency = 970 Hz (OCCN,TCN) (Hidden) *

* Parameter is part of office check number calculation.

Check Numbers

Office Check Number: 67C80C68
Config. Check Number: 4EA799B3
(Based on MCF Revision 26)

Parameters not part of office check number calculation:

Comments

<none>

Configuration Package File

Filename: CSL4041_289771E_B.pac
Path: C:\PAC File\
Date/Time: 10/13/2016 13:33:44
DT Version: 5.7.3