Queuing Tracks
Field Kit
Basics - Conduit Fittings & Tie Marking

Conduit Boxes

- Type LB
- Type C
- Type T

Washers Locate Boxes

- Two 2” Fender Washers means a Type T box is nearby.
- One 2” Fender Washer means a Type C or Type LB box between the tracks.
- One 1” Washer means an Expansion Joint nearby.

Optional 2x4 Connection Box

Expansion Joint

Optional 2x4 Connection Box

2” Conduit pieces under Conduit
9. Queuing Track - Install Track Insulators

Track from Circle 10' 10' 40' 30' 30' 20'
2 Track Panels
3 Track Panels
3 Track Panels
4 Track Panels
1 Track Panel

SP

Spring Switch
9. Queuing Track - Install 2 Signal Foundations

- Signal Foundation 4’ from Center Line of Track
- Conduit on top of Plastic
9. Queuing Track - Install Track Boxes and Flex Conduits

- 2x4 Connection Box
- Type LB or C Boxes
9. Queuing Track - Where the Wires Go

For Your Information -- No Action required
9. Queuing Track - Install Conduit

Type LB or C Track Boxes
2x4 Connection Boxes

One Conduit from Enclosure to each end of Siding
Expansion Joints every 20’
Whatever Route Works

- 2x4 Connection Box
- Type T Box
- Type C or LB Box to let wires out between the Rails
9. Queuing Track - Pull Wire

Cat5 Pulls
- Enclosure to Queue Signal - Black
- Enclosure to N Track Box - Other
- Enclosure to Dist Signal - Blue & Other
- 6” Loops of wire in 2 Track Connection Boxes

Pull a String with the Cat5
Leave 2’ Wire & String at Ends

Note: The Track Team pulls all the wire that goes through an Expansion Joint. The Signal Team pulls the rest of the wire which includes all the 18 AWG wire. If there is a Remote Solar Panel, the Track Team pulls Red and Black 18AWG From the Solar Panel to the CP Board Enclosure.
## 9. Queuing Tracks - Pre Ballast Checklist

<table>
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| **Queuing Track**         | ____ 140’ plus to Signal Point  
                            | ____ Two 100’ radius Switches                                                  |
| **Spring Switches**       | ____ 1 Spring Switch                                                          |
| **Insulators**            | ____ 10 Track Insulators per diagram                                           |
| **Track Boxes**           | ____ 5 Track Boxes  
                            | ____ All Type C or Type LB  
                            | ____ All on 2” pieces of conduit                                               |
| **Connection Boxes**      | ____ 3 or more Connection Boxes (2”x4”)                                       |
| **Fender Washers (FWs)**  | ____ Expansion Joints - 1” FW on Top of Tie at End  
                            | ____ Track Boxes - 2” FW on Top of Tie at End                                   |
|                           | ____ T Boxes - Two 2” FWs on top of Ties at End                                |
|                           | ____ Foul Points - 2” FW on Top of Tie at Center                               |
|                           | ____ Signal Points - Two 2” FWs on Top of Tie at Center                        |
| **Signal Foundations**    | ____ 2 Foundation Blocks  
                            | ____ All at Signal Points  
                            | ____ All 4’ from Center Line(s) of Track(s)                                   |
|                           | ____ 18” threaded Mast in each Foundation Block                                |

**Flex Conduit**

- ____ Flex Conduits per diagram

**Conduit**

- ____ Enclosure to Dist Signal  
- ____ Enclosure to Queue Signal  
- ____ Enclosure to Remote Solar Panel (If Any)  
- ____ Connects to 5 Track Boxes  
- ____ Type C or LB Track Boxes between rails  
- ____ Type C or LB Track Boxes on 2” pieces of conduit  
- ____ Conduit on top of Plastic  
- ____ Expansion Joints every 20’  
- ____ 8”-10” from Tie Ends

**Wire Pull**

- ____ Enclosure to Queuing Signal - Black  
- ____ Enclosure to N Track Box - Other  
- ____ Enclosure to Dist Signal - Blue & Other  
- ____ String in every Conduit  
- ____ 2’ wire & string at each end

**Wire Pull - If Remote Solar Panel**

- ____ White & Black 18AWG wire  
- ____ String  
- ____ 2’ wire & string at each end

**Plywood**

- ____ Plywood over Type C box

**As Builts**

- ____ Map of Conduit  
- ____ All Changes Noted  
- ____ Delivered to Ross

Where___________________  
By ____________________  
Date___________________