

# Electrical Tutorial

## Inserting Splits in a Cableway



Version 2014

## **Copyright**

© 2002-2014 Intergraph® Corporation and/or its affiliates. All Rights Reserved.

Warning: This computer program, including software, icons, graphical symbols, file formats, and audio-visual displays; may be used only as permitted under the applicable software license agreement; contains confidential and proprietary information of Intergraph and/or third parties which is protected by patent, trademark, copyright and/or trade secret law and may not be provided or otherwise made available without proper authorization.

## **Restricted Rights Legend**

Use, duplication, or disclosure by the Government is subject to restrictions as set forth in subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 or subparagraphs (c) (1) and (2) of Commercial Computer Software -- Restricted Rights at 48 CFR 52.227-19, as applicable.

Unpublished - rights reserved under the copyright laws of the United States.

## **Terms of Use**

Use of this software product is subject to the End User License Agreement ("EULA") delivered with this software product unless the licensee has a valid signed license for this software product with Intergraph Corporation. If the licensee has a valid signed license for this software product with Intergraph Corporation, the valid signed license shall take precedence and govern the use of this software product. Subject to the terms contained within the applicable license agreement, Intergraph Corporation gives licensee permission to print a reasonable number of copies of the documentation as defined in the applicable license agreement and delivered with the software product for licensee's internal, non-commercial use. The documentation may not be printed for resale or redistribution.

## **Warranties and Disclaimers**

All warranties given by Intergraph Corporation about software are set forth in the EULA provided with the software or with the applicable license for the software product signed by Intergraph Corporation, and nothing stated in, or implied by, this document or its contents shall be considered or deemed a modification or amendment of such warranties.

Intergraph believes the information in this publication is accurate as of its publication date. Intergraph Corporation is not responsible for any error that may appear in this document. The information and the software discussed in this document are subject to change without notice.

## **Trademarks**


Intergraph and the Intergraph logo are registered trademarks of Intergraph Corporation. Hexagon and the Hexagon logo are registered trademarks of Hexagon AB or its subsidiaries. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other brands and product names are trademarks of their respective owners.

## SESSION 7

# Inserting Splits in a Cableway

### Objective


By the end of this session, you will be able to:

- Insert splits in a cableway by using **Insert Split** .

### Before Starting this Procedure

- Smart 3D Overview
- Smart 3D Common Sessions
- Electrical Overview
- Routing a Cableway

### Overview:

**Insert Split**  allows you to place splits in a cableway or a cable tray. You can insert splits in existing cable trays and cableways so that the model represents purchasable lengths of trays. By default, the software reports one continuous tray section.

You can choose two modes of placement:

- **Single Split** - The software places one split of a specified length in a cableway or cable tray.
- **Multi Split** - The software places multiple splits at specified locations by the purchase length of the tray. In this mode, the split cable tray parts are of equal size.

## Insert Splits in a Cableway

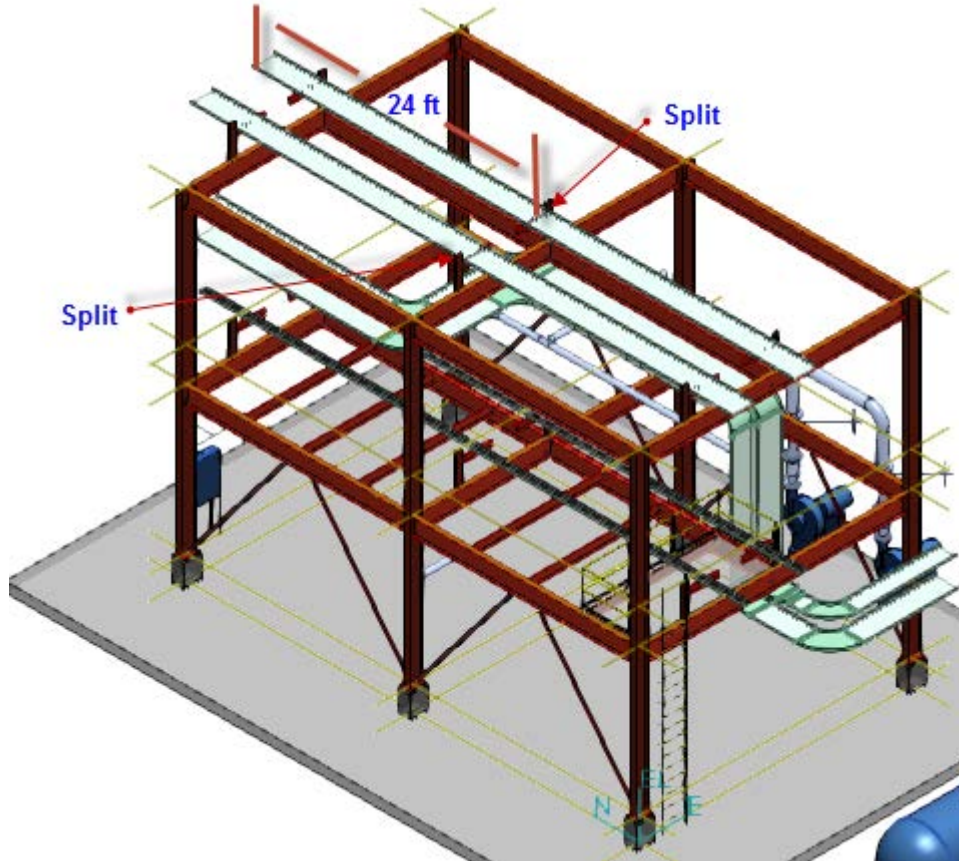
Insert a single split on the cable tray located at top of the steel frame using the following specifications:

Section Length: 24 ft  
Gap Width: 0 ft 1 in  
Reference Position: Port 1  
Split Mode: Single Split



## Inserting Splits in a Cableway

---

The view of the trays after inserting the single split is as shown:



Before beginning the procedure, define your workspace to show Unit U01 and coordinate system U01 CS. In your training plant, select U01 from **Plant Filters > Training Filters** in the **Select Filter** dialog box.

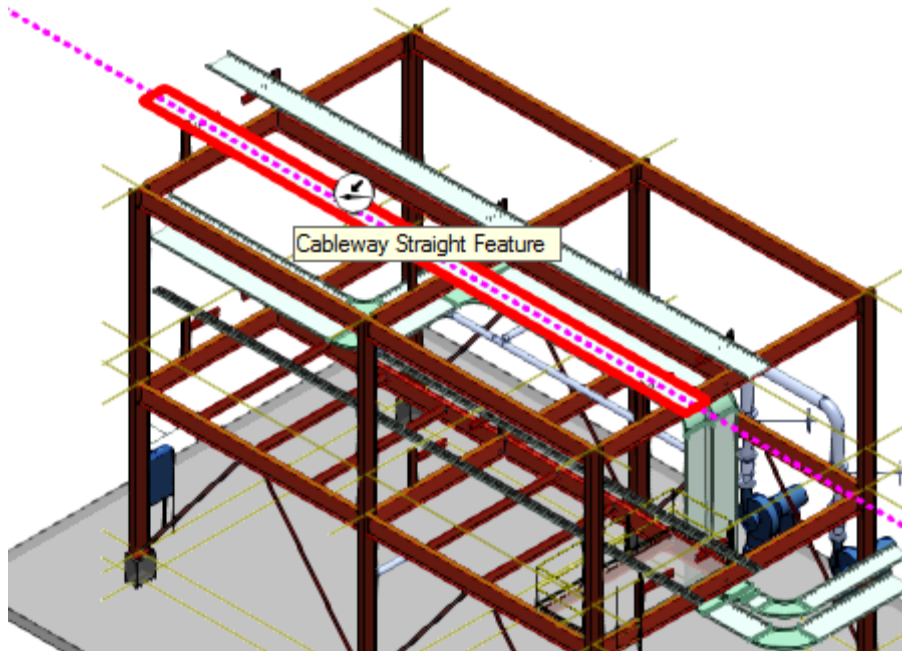
1. On the PinPoint ribbon, set the active coordinate system to **U01 CS** and click **Set Target to Origin** .
2. Select **Tools > Show All** to show all hidden objects in your workspace.
3. Make sure that the **Electrical task** is active and the **Active Permission Group** is **Electrical**.
4. Click **Insert Split**  on the vertical toolbar.

*The **Insert Split** ribbon displays.*

The following options are available to set the specifications of the split that you want to insert:

- **Section Length** - Specifies the purchasable length of a cable tray. If the length of the selected cableway straight feature is less than the specified section length, then the software sets the section length to half the straight feature length.
- **Gap Width** - Specifies the width of the split.

- **Reference Position** - Inserts splits in the selected straight feature starting from either end of the straight feature, Port 1 or Port 2, of a cableway or a cable tray.
  - **Split Mode** - Specifies the mode or type for inserting splits. It can be either **Single Split** or **Multi Split**.
5. On the top cableway, select the Cableway Straight Feature where you need to place the split as shown:



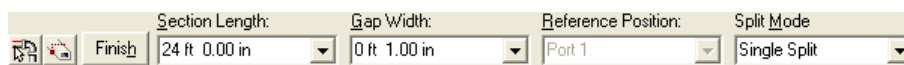
6. Define the following specifications on the **Insert Split** ribbon:

**Section Length:** 24 ft

**Gap Width:** 0 ft 1 in

**Reference Position:** Port 1

**Split Mode:** Single Split

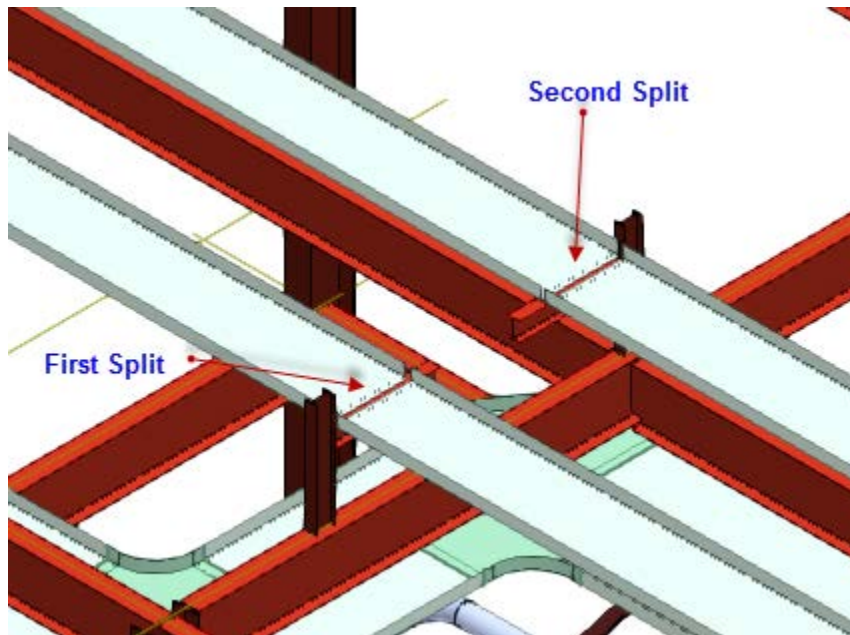


7. Click **Finish** to insert the split on the cableway.


## Inserting Splits in a Cableway

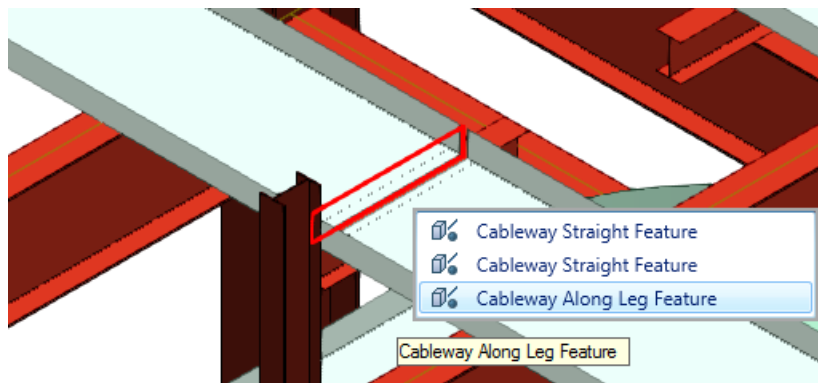
---

8. Repeat the above steps to place a second split on the second cable tray, as shown:



### NOTES

- The procedure to insert multiple splits is similar to the procedure for inserting a single split. You can insert multiple splits in a cable tray by clicking **Insert Split**  on the vertical toolbar and specifying the section length, gap width, and reference position on the **Insert Split** ribbon. The only difference is that the **Split Mode** setting on the ribbon needs to be **Multi Split** instead of **Single Split**.
- Delete a split feature by selecting the split feature (Cableway Along Leg Feature) using the QuickPick tool and then by using the **Delete** command.



For more information on inserting splits in a cableway, see *Inserting Cable Tray Splits: An Overview* in the *Electrical User's Guide*.