

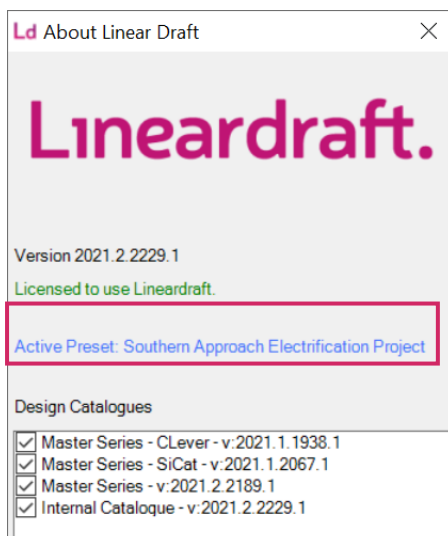
LINEARDRAFT PROJECT SETTINGS

This document has been designed to gather the information required to configure and personalise the default settings for your project.

Project Settings Name

Provide the name that you would like to refer to as the default settings for your project. These default settings can be customised for each specific project.

The project settings name, along with the version number, will appear within the Lineardraft Desktop application and on the 'About' dialog within the software.



Project Settings Name:

Sheet Scale

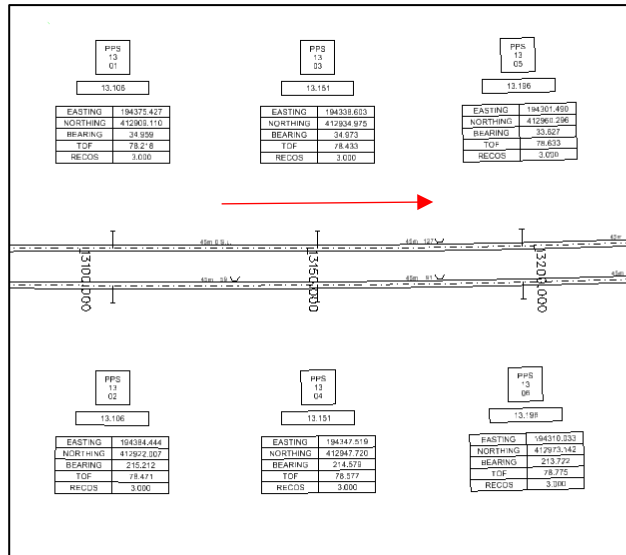
Provide the sheet scale value that you require for the display size of all 2D annotations on a layout sheet. Default settings are set to 500/1

Sheet Scale:

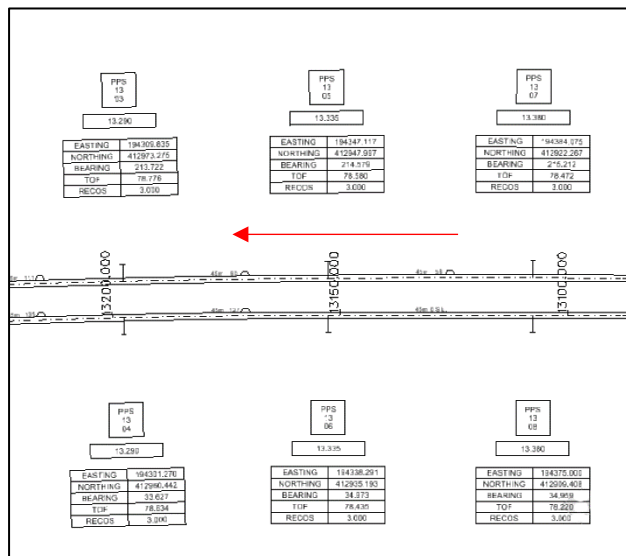


Sheet Orientation

Sheet orientation is dependent upon the direction of increasing chainage. Please indicate which direction is applicable to your project from the examples below.
Default settings are set to 'Increasing chainage is Left to Right'.



Increasing chainage is Left to Right.

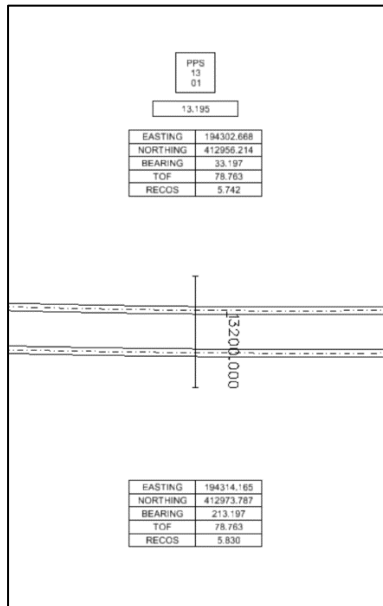


Increasing chainage is Right to Left.

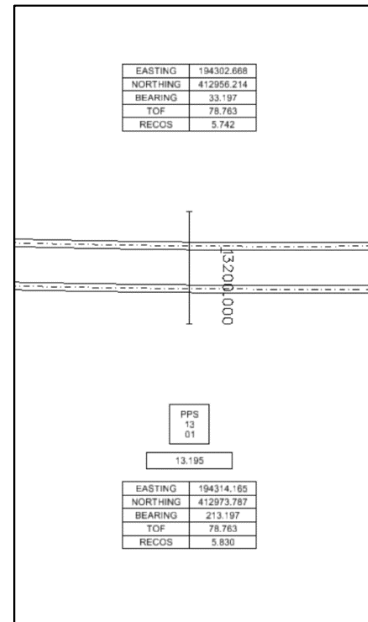


Portal Box Positioning

Please indicate, from the screen shots below, how you would like to display the structure annotation boxes for Portal structures. Default settings are set to option 'A'



A

☐


B

☐

Track Gauge

Please indicate what track gauge (in metres) is being used on your project. Default settings are set to 1.435m

Track Gauge:

Track Gauge Tolerance

Please indicate the minimum and maximum tolerance (in metres) where lines within a reference file can be identified as tracks. Default settings are set to 0.02m

Minimum Tolerance:

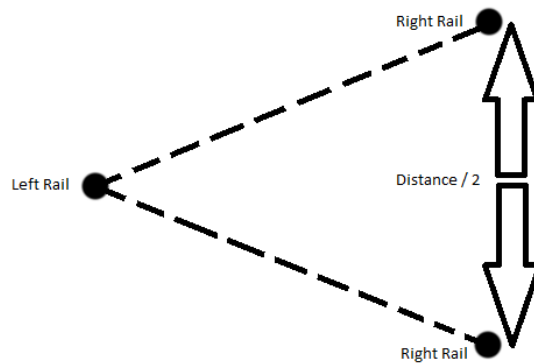
Maximum Tolerance:



Max Superelevation

CANT directly affects whether 2 lines are identified as being the left and right rails of a track. Please indicate the maximum value (in metres) that you want to allow for lines to be identified as tracks. Default settings are set to 0.25m

Max Superelevation:



Decimal Separator

Different countries/regions/projects use different decimal separators. Please indicate which character you would like to use as your decimal separator. Default settings are set to '.' (Full Stop)

Decimal Separator:

Contact Wire Height

Please give the height (in metres) you want to use as the default height for the contact wire. Default settings are set to 4.7m

Contact Wire Height:

System Height

Please give the distance (in metres) that you want to use as your default system height. Default settings are set to 1.3m

System Height:



Mast Length

Please give the length (in metres) you want to use as the default length for all masts.

Default settings are set to 7.4m

(n.b. If on a specific mast, the default length is not available or an applicable increment, then the nearest applicable increment will instead be selected and displayed).

Mast Length:

Foundation length

Please give the length (in metres) you want to use as the default length for all foundations.

Default settings are set to 3.0m

(n.b. If on a specific foundation, the default length is not an available or an applicable increment, then the nearest applicable increment will instead be selected and displayed).

Foundation Length:

Foundation Height

Please give the height (in metres, relative to High Rail Level) that you want to use as your default foundation height. Default settings are set to 0.00m

Foundation Height:

Soffit Height

Please give the height (in metres, relative to High Rail Level) that you want to use as your default height for the top of a soffit attachment (attachment point of the equipment to the soffit). Default settings are set to 8.0m

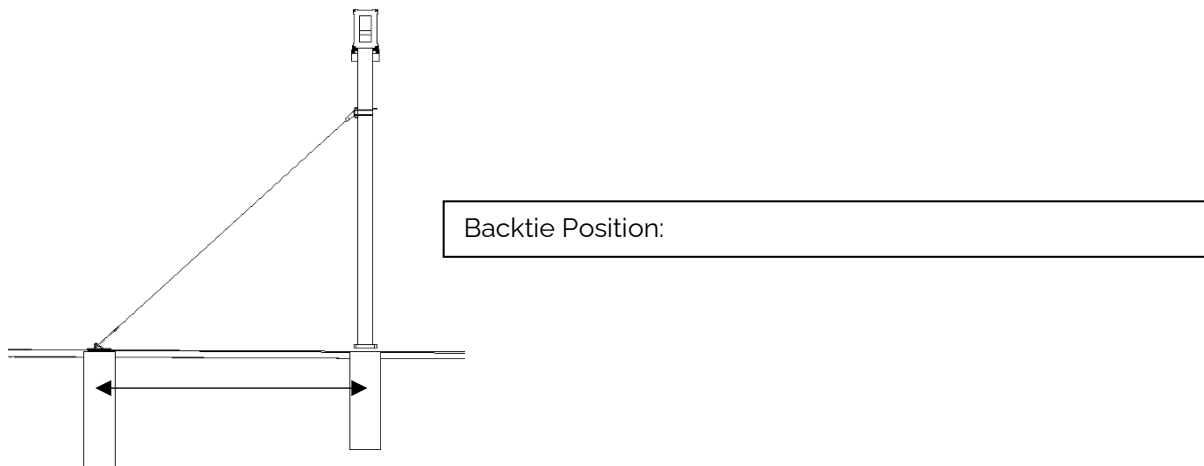
Soffit Height:



Backtie Position

Please give the distance (in metres) that you want to place a backtie foundation as the default position from the associated mast. This can be a positive or negative figure.

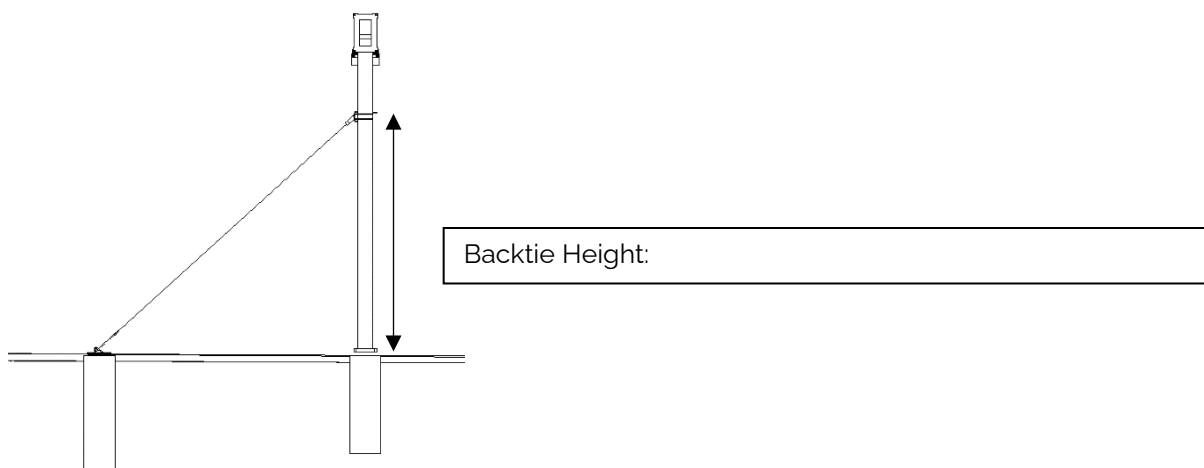
A positive figure will place the backtie foundation (at the distance specified) in an increasing chainage direction, whereas a negative figure will place the backtie in a decreasing chainage direction. Default settings are set to 4.5m



Backtie Height

Please give the vertical value (in metres, relative to High Rail Level), where on a mast you want to identify the default backtie tie-wire connection point.

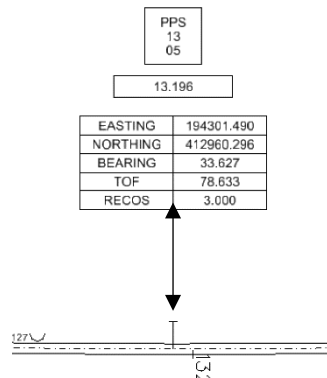
Default settings are set to 6.1m



Structure Box Offset

Please give the distance (in metres), that you want to place (by default) the structure annotation boxes from their respective 2D structure symbology.

Default settings are set to 15.0m



Structure Box Offset:

Annotation Placement Position

Please give the Z dimension height (in metres) that you want to place your 2D annotations.

Default settings are set to 0.00m

Annotation Placement Position:

Stagger

Please give a default stagger value (in metres) for all catenary wires.

Default settings are set to 0.23m

Stagger:

Span Length Rounding

Please give the value (in metres) that you want the span length annotation to be rounded to.

Default settings are set to 1.0m

Span Length Rounding:



Versine Value Rounding

Please give the value (in metres) that you want the versine annotation to be rounded to. Default settings are set to 0.001m

Versine Value Rounding:

Versine Tolerance

Please give the value (in metres) that you want to be the minimum displayed versine annotation. Any versine below the chosen value will be displayed as 'O.S.L' Default settings are set to 0.01m

Versine Tolerance:

Span & Versine Position

Please give the distance (in metres) that you want to position the span & versine annotation above the top rail on a layout (N.B. this value will be multiplied by the sheet scale value). Default settings are set to 0.0013m

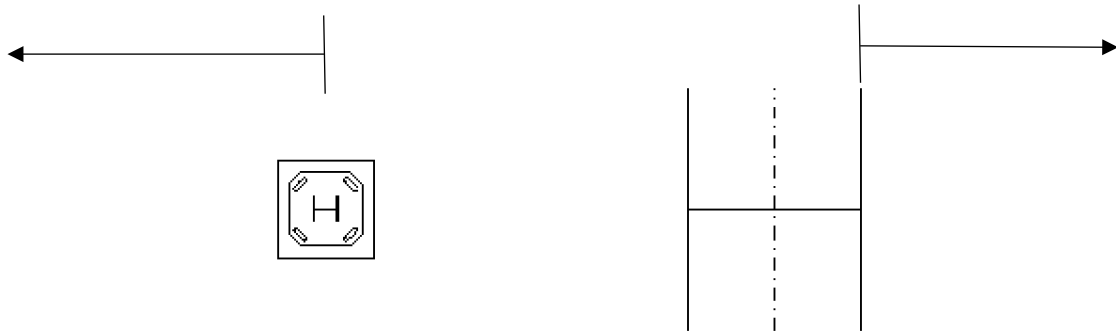
Versine Position:



Clip Volume - Across Track

Please give the value (in metres) that you want to clip the saved views of a structure across the tracks. The view displayed will include everything in view, plus the amount defined as the clip volume, from the left most selected item to the right most selected item. For example, in the image shown below, the left most item is a structure and the right most item is the right rail of the associated track(s) track.

Default settings are set to 3.0m

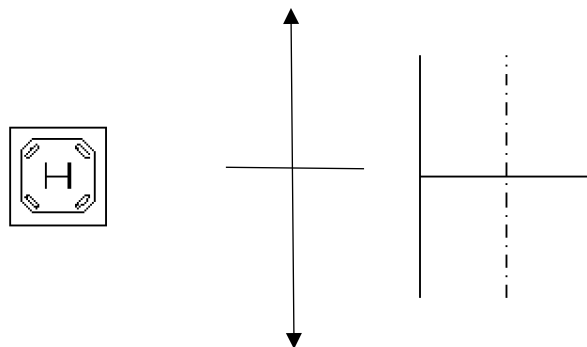


Clip Volume Across Track:

Clip Volume - Along Track

Please give the value (in metres) that you want to clip the saved views of a structure along the tracks. The view displayed will include everything in view, plus the amount defined as the clip volume, from the track vector.

Default settings are set to 1.0m



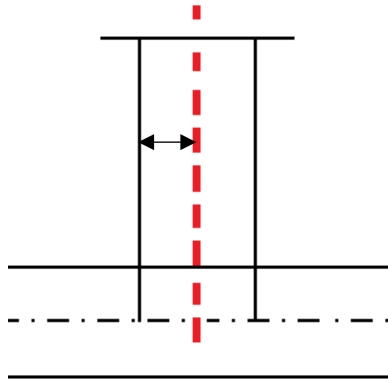
Clip Volume Along Track:

Twin Cantilever Gap

Please give the value (in metres) that you want to use, from the centre of the structure 2D symbology, to each equipment line (as show below).

(N.B. this value will be multiplied by the sheet scale value)

Default settings are set to 0.0015m



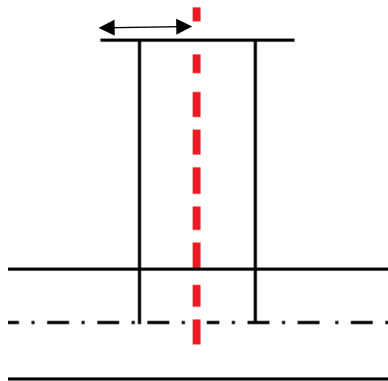
Twin Cantilever Gap:

Twin Cantilever Line Length

Please give the value (in metres) that you want to use, from the centre of the structure 2D symbology to the outer edge of the line (as show below).

(N.B. this value will be multiplied by the sheet scale value)

Default settings are set to 0.0025m



Twin Cantilever Line Length:



Statuses

Please give the component/item status options that you want to be available on your project. Having different statuses allows users to identify specific parts of a model that may be required to be placed on separate levels. An example of statuses is shown below:

0 (default level): Proposed
1: Existing
2: Modified
3: Removed
4: By Others

0 (default level):
1:
2:
3:
4:

If you wish to use the statuses as displayed in the example on the left, then please tick this checkbox.

☐

If you wish to customise your status options, please detail them in the blank boxes below.

Level Status Definition

Once you have defined your statuses, please give detail of how you want to append the chosen status level name. This will appear at the end of the level display name. An example of this is shown below:

0: P	EP-EP-Mast-U- P
1: E	EP-EP-Mast-U- E
2: M	EP-EP-Mast-U- M
3: R	EP-EP-Mast-U- R
4: B	EP-EP-Mast-U- B

0:
1:
2:
3:
4:



Levels

The following list details the various default elements that items are identified as within Lineardraft. Please provide the level name in which you require each item to be placed.

Element	Type	Level Name	Comments
Foundation	3D		
Mast	3D		
Adapter Plate	3D		
Gantry	3D		
Structure Symbol	2D		
Backtie Symbol	2D		
Structure Box	2D		
Wire Box	2D		
Support Box e.g. Easting/Northing Annotation Box	2D		
Stagger Symbol	2D		
Anchor Symbol	2D		
2D In Running Catenary Wire	2D		
2D Out of Running Catenary Wire	2D		

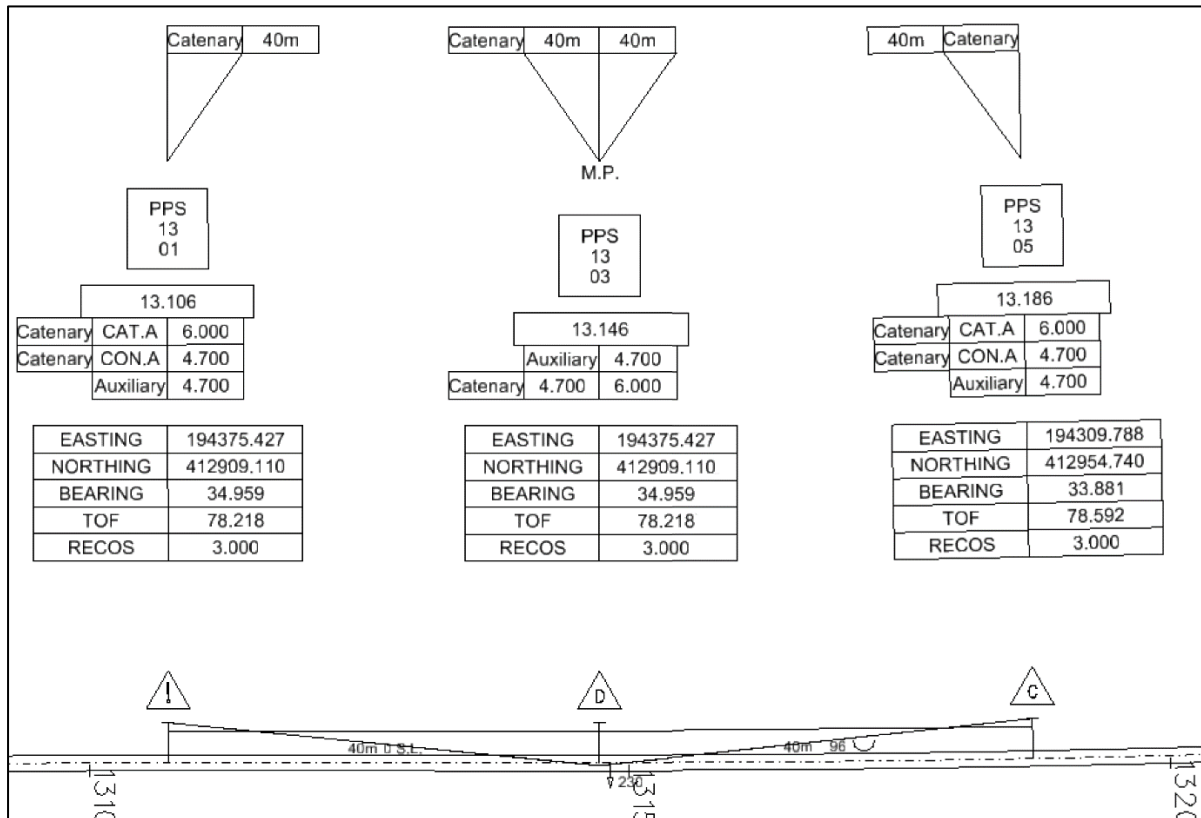


3D Catenary Wire	3D		
3D Auxiliary Wire	3D		
2D Auxiliary Wire	2D		
SPS	3D		
Drop Tube	3D		
Wire Support	3D		
Anchor	3D		
Span & Versine	2D		
Track	3D		
Backtie	3D		
Backtie Foundation	3D		
Note Marker	2D		
In-Span Equipment	3D		
In-Span Symbol	2D		



Boxes

The image below shows the default position and look of annotation boxes on a layout. If you require any annotations to look different or be located elsewhere, then please use the comments box below to give detail.



Comments:

Please note, it takes **a minimum of 2 weeks** to create project settings. Project settings requests that include alterations to annotation boxes, listed in the comments box above, may require a change to Lineardraft's functionality and therefore will take longer. If this is the case, one of **our developers will be in touch** once your ticket has been reviewed to give you an expected release date.

