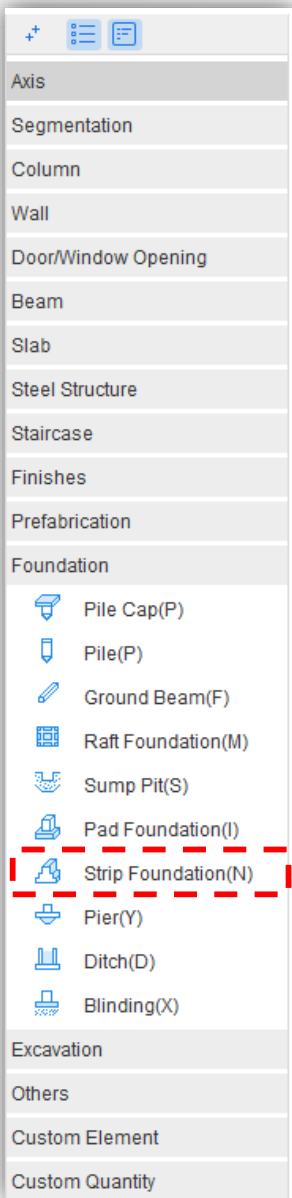


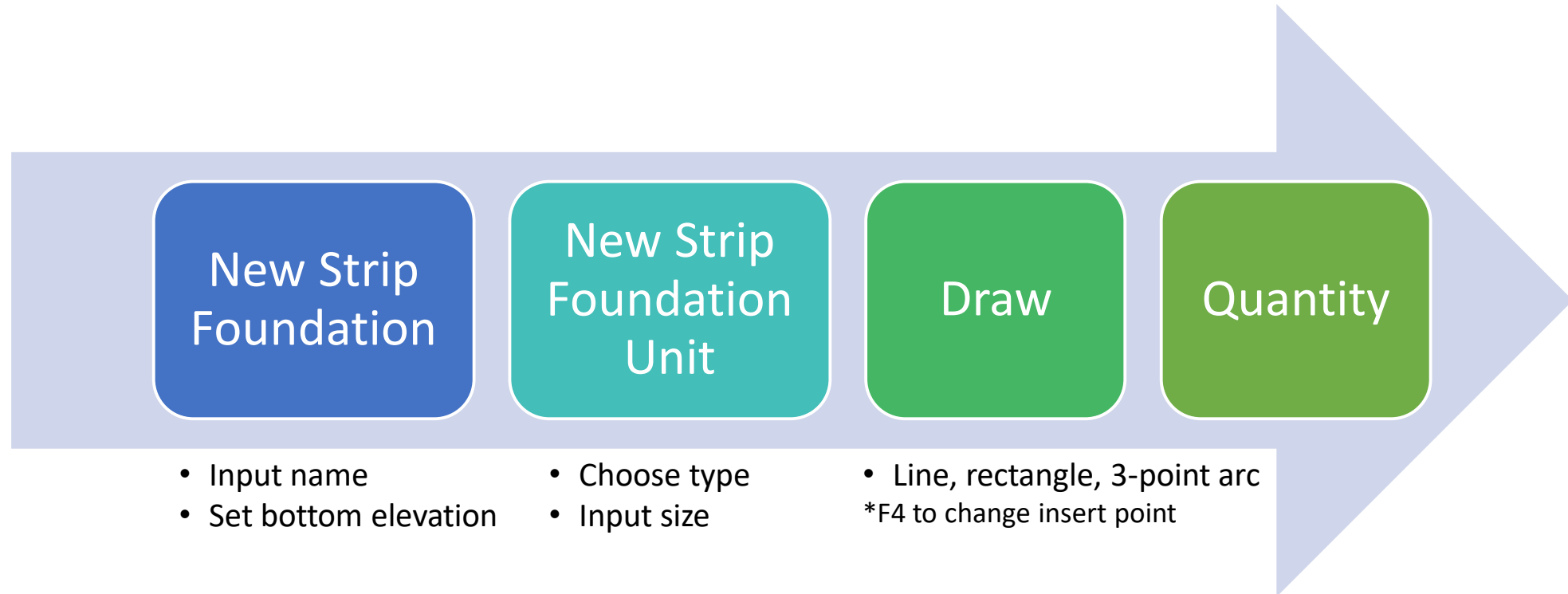
Point Type



Strip Foundaion (Pondasi Lajur)



Strip Foundation



Define Strip Foundation

- Step 1: New Element List → Strip Foundation
- Step 2: Set Name & Bottom Elevation (if needed)

The screenshot displays the software interface for defining a strip foundation. The top ribbon includes tabs for START, PROJECT SETTINGS, BIM MODEL, IDENTIFY, DRAW, VIEW, QUANTITY, and REVISION. The main workspace shows a 2D plan view of a foundation layout with several rectangular areas labeled SF-1 and SF-2. A red dashed box highlights the 'Strip Foundation' icon in the 'Element List' panel, marked with a green circle containing the number '1'. Below this, the 'Attribute Editor' panel is open, showing a table with columns for 'Attribute' and 'Value'. The 'Name' attribute is set to 'SF-1', and the 'Start Bottom Elevation' attribute is set to 'Floor_Bottom_Elevation-1', both highlighted with red dashed boxes and a green circle containing the number '2'. The 'Foundation' category is selected in the left-hand navigation pane.

Attribute	Value	Add
Common Attribute		
Name	SF-1	<input type="checkbox"/>
Section Width (mm)	0	<input type="checkbox"/>
Section Height (mm)	0	<input type="checkbox"/>
Start Bottom Elevation	Floor_Bottom_Elevation-1	<input type="checkbox"/>
End Bottom Elevation	Floor_Bottom_Elevation-1.000	<input type="checkbox"/>
Axis to Left Sidelin...	(0)	<input type="checkbox"/>
Calculate Waterpr...	Calculate	<input type="checkbox"/>
Entity Object Type	Normal Object	<input type="checkbox"/>
Revision		<input type="checkbox"/>
Summary Info		<input type="checkbox"/>
Remarks		<input type="checkbox"/>

Continue →

Define Strip Foundation

- Step 3: New Element List → Strip Foundation Unit
- Step 4: Choose Type & Input Size → OK

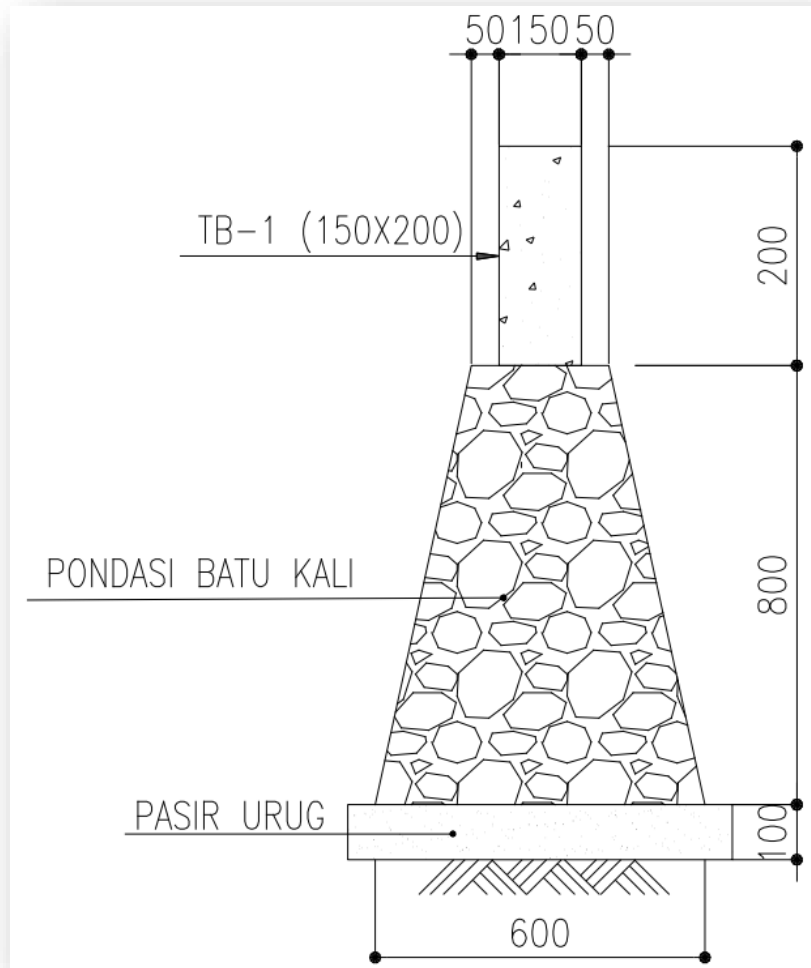
The screenshot shows the software interface for defining a strip foundation unit. The 'Element List' window displays various foundation types, with 'Parametric Strip F...' highlighted by a red dashed box and a green circle labeled '3'. The 'Attribute Editor' window shows the following attributes:

Attribute	Value
1 a (mm)	250
2 b (mm)	600
3 h (mm)	800

The 'Select Parametric Drawing' dialog box shows a grid of drawing options, with 'Trapezoid' selected. A green circle labeled '4' highlights the 'Attribute Editor' window. The 'OK' button is also highlighted with a red dashed box. The background shows a 3D model of a foundation unit labeled 'SF-2'.

Continue →

Example of Parametric Strip Foundation Unit



Software interface showing the selection of a parametric drawing for a foundation unit. The interface includes an Element List, a grid of drawing options, and an attribute table.

Element List:

- Strip Foundation
- Rectangular Strip ...
- Irregular Strip Fou...
- Parametric Strip F...** (highlighted)

Select Parametric Drawing:

Grid of drawing options:

- Trapezoid
- Stepped Brick Footing A1
- Stepped Brick Footing B1
- Stepped Brick Footing A2
- Stepped Brick Footing B2
- Stepped Brick Footing A3
- Stepped Brick Footing B3
- Stepped Brick Footing A4
- Stepped Brick Footing B4

Attribute Table:

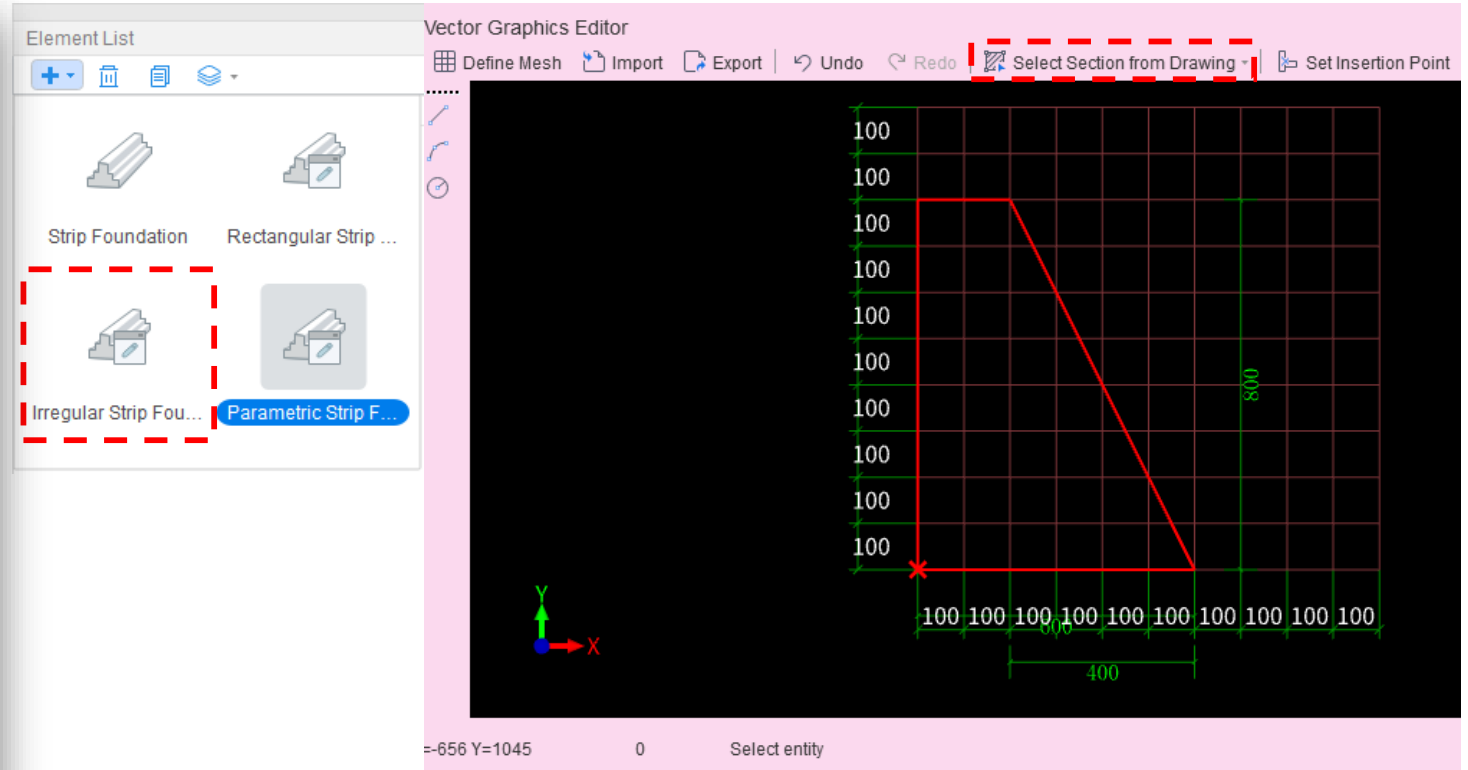
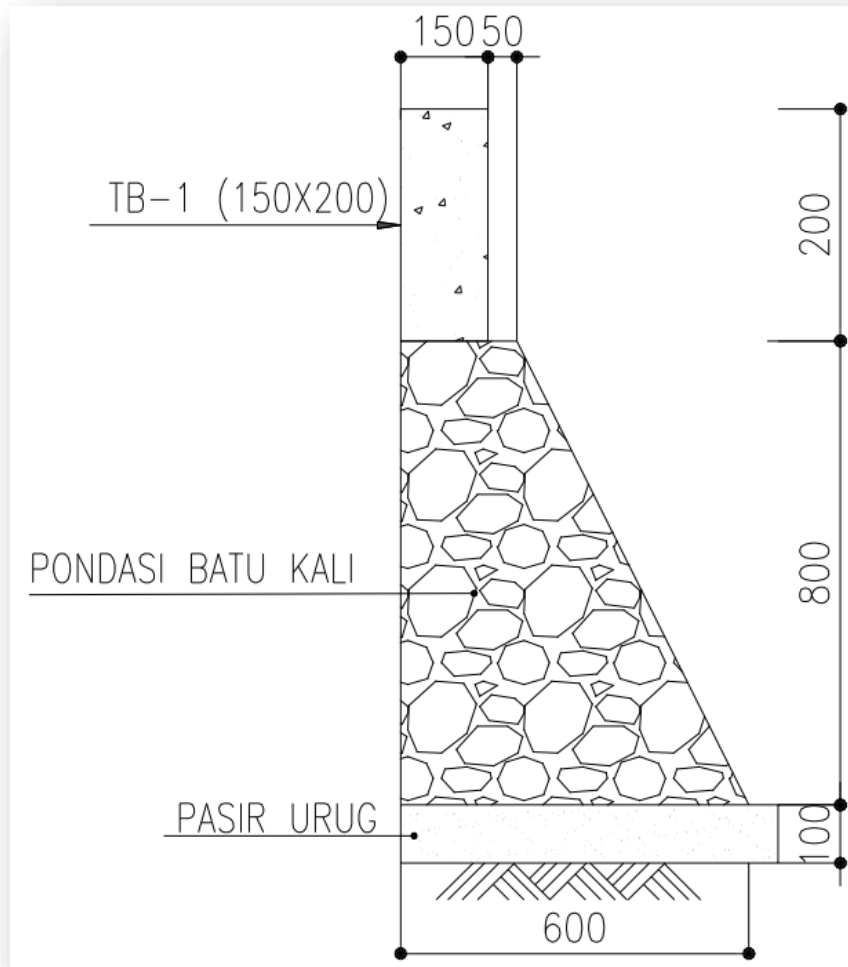
Attribute	Value
1 a (mm)	250
2 b (mm)	600
3 h (mm)	800

Big Image Preview:

Preview of the selected drawing (Trapezoid) with dimensions a, b, and h.

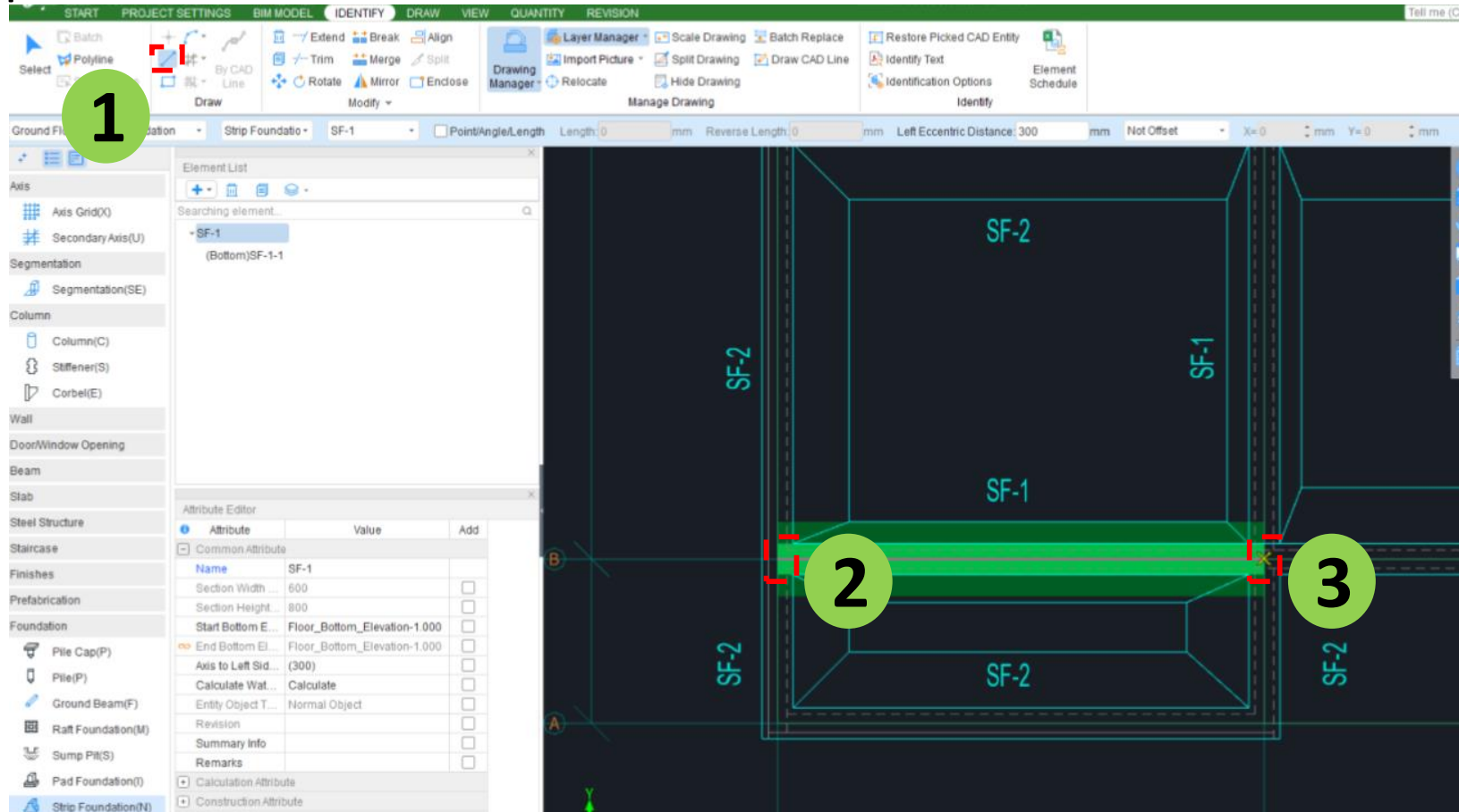
Buttons: OK, Cancel

Example of Irregular Strip Foundation Unit



Draw Strip Foundation

- Step 1: Tab {Draw}, Click [Line] to draw a straight line
- Step 2: Begin from Start Point
- Step 3: Stop at End Point



Quantity of Strip Foundation

Notes:

Which quantity to extract for STRIP FOUNDATION

Quantity you need	Quantity to extract from Glodon
Volume (m3)	Volume
Formwork (m2)	Area of Formwork

	Quantity Name	Quantity Expression	Quantity	Unit
1	Strip Foundation : SF-1			
2	Strip Foundation Unit : SF-1-1			
3	Volume	0.340<Area of section>*3.925<Length>-0.103<Deduct strip foundation>	1.232	m3
4	Area of formwork	6.428<Original area of formwork to side>+0.340<Original area of formwork to end>-1.118<Deduct strip foundation>	5.651	m2
5	Area of soffit	2.355<Original area of soffit>	2.355	m2
6	Area of side	6.909<Original area of side>-1.258<Deduct strip foundation>	5.651	m2
7	Area of top	0.981<Original area of top>	0.981	m2
8	Weight of rebar	1.232<Volume>*50.000<Steel ratio>	61.587	kg