**General Notes**

1. The following details refer to standard fixing of 'Naco' louvres available from Ullrich Aluminium.
2. Cladding and flashings to be fixed as per New Zealand Building Code and Standards.
3. For maximum widths of louvres see detail 'L-02'.
4. Naco louvres are supplied with right handed operation. Left handed available on request.

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### Height Calculations

**Window trim/box size from standard louvre height**

<table>
<thead>
<tr>
<th>Component</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Window Trim Size</td>
<td>( X + 74\text{mm} )</td>
</tr>
<tr>
<td>Window Box Size</td>
<td>( X + 59 )</td>
</tr>
<tr>
<td>Louvre Size</td>
<td>( X )</td>
</tr>
</tbody>
</table>

**Louvre height from box size**

<table>
<thead>
<tr>
<th>Component</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Window Trim Size</td>
<td>( Y + 15\text{mm} )</td>
</tr>
<tr>
<td>Window Box Size</td>
<td>( Y )</td>
</tr>
<tr>
<td>Louvre Size</td>
<td>( Y - 59\text{mm} )</td>
</tr>
</tbody>
</table>

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![Diagram of Naco Louvre Section]

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**Sheets No:** L-01
Width Calculations

Single Bay Window
Window Trim Size = X + 15mm
Window Box Size = X
Louvre Glass Size = X - 133mm

Equal Double Bay Window
Window Trim Size = X + 15mm
Window Box Size = X
Louvre Glass Size = (X - 248mm) / 2

Equal Triple Bay Window
Window Trim Size = X + 15mm
Window Box Size = X
Louvre Glass Size = (X - 363mm) / 3
Adjoining Louvres (Bladelok & Trimline)

For use with 'Bladelok' and 'Trimline' Louvres only. Applies when adjoining louvres horizontally (required when opening size exceeds 762mm).

MAIN FIXING BRACKET
- Screw onto sill and top. Flat sides to face in and out of opening.
- See diagram

1 x top, 1 x bottom

COUPLING BRACKET
- Place at 90 degrees to main fixing bracket screw from one side only.
- Initially see diagram depending on louvre height. More of these coupling brackets may be required.

1 kit consists of:
- 2x main fixing brackets
- 2x coupling brackets
- 4x 8x1/2" CSK screws
- Extra coupling brackets
- 4x 8x3/4" panhead screws
- Wood screws can be ordered

8x3/4" panhead screws can be substituted with wood screws if required

8x1/2" CSK screw