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WALL DETAILS INDEX: VERTICAL SECTIONS

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Detail 15b // Page 16
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### System Details

**System Name:** AL13™ Plank System

**Description:**

**4" Plank / 6" Plank**

---

<table>
<thead>
<tr>
<th>Specification</th>
<th>Frame Component Fasteners</th>
<th>System Clip Fasteners</th>
<th>Vent Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Material Table:**

**Acceptable Materials:**

- **F1.75 - to Wood Substrate**
- **F1.50 - to Steel Substrate**

---

**Dimensions:**

- **6P - 6" Plank (Coated):**
  - 3/16" [3.99mm] above and below surfaces
  - 1/16" [1.56mm] edges

- **4P - 4" Plank (Coated):**
  - 3/16" [3.99mm] above and below surfaces
  - 1/16" [1.56mm] edges

- **2PV - 2" Plank Vent Strip (Coated):**
  - 3/16" [3.99mm] above and below surfaces
  - 1/16" [1.56mm] edges

---

**Notes:**

- The contractor/builder must verify all dimensions on the job and report any discrepancy to the designer before proceeding with the work. All drawings and specifications are instruments of service and the copyright property of the designer and must be returned upon request.

---

**Contact Information:**

- **Tel.:** +1(604) 428-2513
- **Email:** info@al13.com
- **Website:** www.al13.com

---

**20 Apr. 2020**

---

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EXTRUSIONS USED IN THE EXAMPLE

End Frame
Scale 1"=1'-0"

Flat Cap Perimeter + Back Plate Half
Scale 1"=1'-0"

Wall assembly as per building specifications
4"/6" Plank
13/16" [46.16mm]
9/16" [14.47mm]
1/16" [1.56mm]
3 3/4" [95.81mm]
7/8" [22.14mm]
3/8" [9.94mm]
2 5/16" [58.95mm]
Flat Cap + Back Plate

4" / 6" Plank

Wall assembly as per building specifications

Plank System Joint Clip joins two planks together.

Plank System Clip

1 clip every 32" MAX

Plank Joint Clip

1 clip every 32" MAX

System Clips

1 clip every 32" MAX

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DESCRIPTION:
DRAWING NUMBER:
DATE: 20 Apr. 2020
SCALE: As noted
DRAWING NUMBER: 03

AL13™ Plank System Details

Plank System
4" Plank / 6" Plank

EXTRUSIONS USED IN THE EXAMPLE

Plank System as per building specifications

Plank System Joint Clip joins two planks together.

Plank System Clip

1 clip every 32" MAX

Plank Joint Clip

1 clip every 32" MAX

System Clips

1 clip every 32" MAX

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DESCRIPTION:
AL13™ Plank System Details
Plank System
4" Plank / 6" Plank

SCALE: As noted
DRAWING NUMBER: 04
DATE: 20 Apr. 2020
Outside Corner - 90º
Scale 2"=1'-0"

Wall assembly as per building specifications

EXTRUSIONS USED IN THE EXAMPLE

1/16" [1.56mm]

2 7/8" [73.28mm]

1 1/4" [31.70mm]

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DESCRIPTION:

AL13™ Plank System Details

Plank System
4" Plank / 6" Plank

NOTE:

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Wall assembly as per building specifications

EXTRUSIONS USED IN THE EXAMPLE

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DESCRIPTION:

DRAWING NUMBER:

DATE: 20 Apr. 2020

SCALE:

AL13™ Plank System Details

Plank System

4" Plank / 6" Plank

GENERIC DETAIL

INSIDE CORNER NOT 90°
Wall assembly as per building specifications

4"/6" Plank

Flat Cap Perimeter
+ Back Plate Half **

Weep holes as per Project Architect / Engineer

Flashing Specified by Project/ Architect / Engineer

** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

---

EXTRUSIONS USED IN THE EXAMPLE

End Frame

Scale 1"=1'-0"

Back Plate Half

Scale 1"=1'-0"

Flat Cap Perimeter

Scale 1"=1'-0"

---

Plank System Clip

4"/6" Plank

Flashing specified by Project/ Architect / Engineer

Flat Cap Perimeter
+ Back Plate Half **

---

Around the window - left and right side
Scale 4"=1'-0"

Around the window - top and bottom
Scale 4"=1'-0"

---

** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.
End of the Wall - Vertical Transition

Scale 2"=1'-0"

Wall assembly as per building specifications

Flat Cap Perimeter + Back Plate Half

4"/6" Plank

EXTRUSIONS USED IN THE EXAMPLE

1/16" [1.56mm]

1 13/16" [46.16mm]

9/16" [14.47mm]

7/8" [22.14mm]

3/8" [9.94mm]

2 1/16" [52.86mm]

1 13/16" [46.16mm]

1 13/16" [46.16mm]

Back Plate Half

Scale 1"=1'-0"

Flat Cap Perimeter

Scale 1"=1'-0"

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DESCRIPTION:

DRAWING NUMBER:

DATE: 20 Apr. 2020

SCALE: As noted

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TEL. +1(604) 428-2513
MAIL info@al13.com
www.al13.com

NOTE:
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AL13™ Plank System Details
Plank System
4" Plank / 6" Plank

EXTRUSIONS USED IN THE EXAMPLE
** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

Bottom of the wall (Option A)

Scale 2"=1'-0"
** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

Bottom of the wall (Option B)

"Scale 2" = 1'-0"
Wall assembly as per building specifications

Flashing Specified by Project/Architect/Engineer

Flat Cap Perimeter + Back Plate Half **

Weep holes as per Project Architect / Engineer

Wall assembly as per building specifications

** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

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DESCRIPTION:
DRAWING NUMBER:
DATE: 20 Apr. 2020
SCALE:

AL13™ Plank System Details
Plank System
4" Plank / 6" Plank

TONIC DETAIL
TOP OF THE DOOR
** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.
** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

Wall and Soffit Connection (Case A, soffit plank parallel to the wall)

** Scale 2"=1'-0"
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**DESCRIPTION:**
**DRAWING NUMBER:**
**DATE:**
20 Apr. 2020

**SCALE:**
As noted

**WALL AND SOFFIT CONNECTION OPTION B**

**AL13™ Plank System Details**
Plank System
4" Plank / 6" Plank

**EXTRUSIONS USED IN THE EXAMPLE**

<table>
<thead>
<tr>
<th>Flat Cap Perimeter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scale 1&quot;=1'-0&quot;</strong></td>
</tr>
<tr>
<td>1/16&quot; [1.56mm]</td>
</tr>
<tr>
<td>7/8&quot; [22.14mm]</td>
</tr>
<tr>
<td>3/8&quot; [9.54mm]</td>
</tr>
<tr>
<td>2 1/16&quot; [52.86mm]</td>
</tr>
<tr>
<td>Back Plate Half</td>
</tr>
<tr>
<td><strong>Scale 1&quot;=1'-0&quot;</strong></td>
</tr>
<tr>
<td>9/16&quot; [14.47mm]</td>
</tr>
<tr>
<td>1 13/16&quot; [46.16mm]</td>
</tr>
<tr>
<td>15/16&quot; [23.27mm]</td>
</tr>
</tbody>
</table>

**Wall and Soffit Connection (Case B, soffit planks perpendicular to the wall)**

**Scale 2"=1'-0"**

**Measure and cut horizontal Back Plate in 3.25" segments and install them every 16".**
for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

Wall assembly as per building specifications
4"/6" Plank installed perpendicular to the building wall
Flat Cap Perimeter + Back Plate Half **
Flat Cap Perimeter + Back Plate Half **
4"/6" Plank
** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16" for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

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** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16" for vertical Back Plate allow approximately 2" gap from horizontal extrusions.
Flashing Specified by Project/Architect / Engineer

Flat Cap + Back Plate Half **

Plank System Clip

Wall assembly as per building specifications

4" / 6" Plank

2 13/16" [71.29mm]

15/16" [23.54mm]

3/8" [9.94mm]

7/8" [22.14mm]

1/16" [1.56mm]

2 1/16" [52.86mm]

1 13/16" [46.16mm]

9/16" [14.47mm]

1/16" [1.56mm]

** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

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** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

2 13/16" [71.29mm]  
15/16" [23.54mm]  
3/8" [9.94mm]  
7/8" [22.14mm]  
1/16" [1.56mm]  
2 1/16" [52.86mm]  
1 13/16" [46.16mm]  
9/16" [14.47mm]  
1/16" [1.56mm]  
2 1/16" [52.86mm]  
1 13/16" [46.16mm]  
9/16" [14.47mm]  
1/16" [1.56mm]

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** Measure and cut horizontal Back Plate in 3 25" segments and install them every 16" for vertical Back Plate allow approximately 2" gap from horizontal extrusions.
Wall assembly as per building specifications

4"/6" Plank

Flat Cap Perimeter
+ Back Plate Half **

Weep holes as per Project Architect / Engineer

Soffit with different material

** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

Soffit and Fascia Connection
Scale 2"=1'-0"
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DESCRIPTION:
DRAWING NUMBER:
DATE: 20 Apr. 2020
SCALE: As noted
DRAWING NUMBER: 22

** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

Top of Wall - Parapet
Scale 2"=1'-0"
** Plank System Clip

Wall assembly as per building specifications

4"/6" Plank

Flat Cap Perimeter

+ Back Plate Half **

2" Vented Strip Plank (option, when required)

** Measure and cut horizontal Back Plate in 3.25" segments and install them every 16"; for vertical Back Plate allow approximately 2" gap from horizontal extrusions.

End of the Wall - Transition with Soffit

Scale 2"=1'-0"