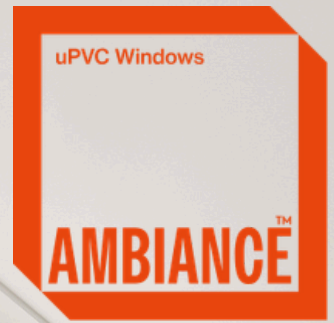


PRE-PRODUCTION

Rakers and heels



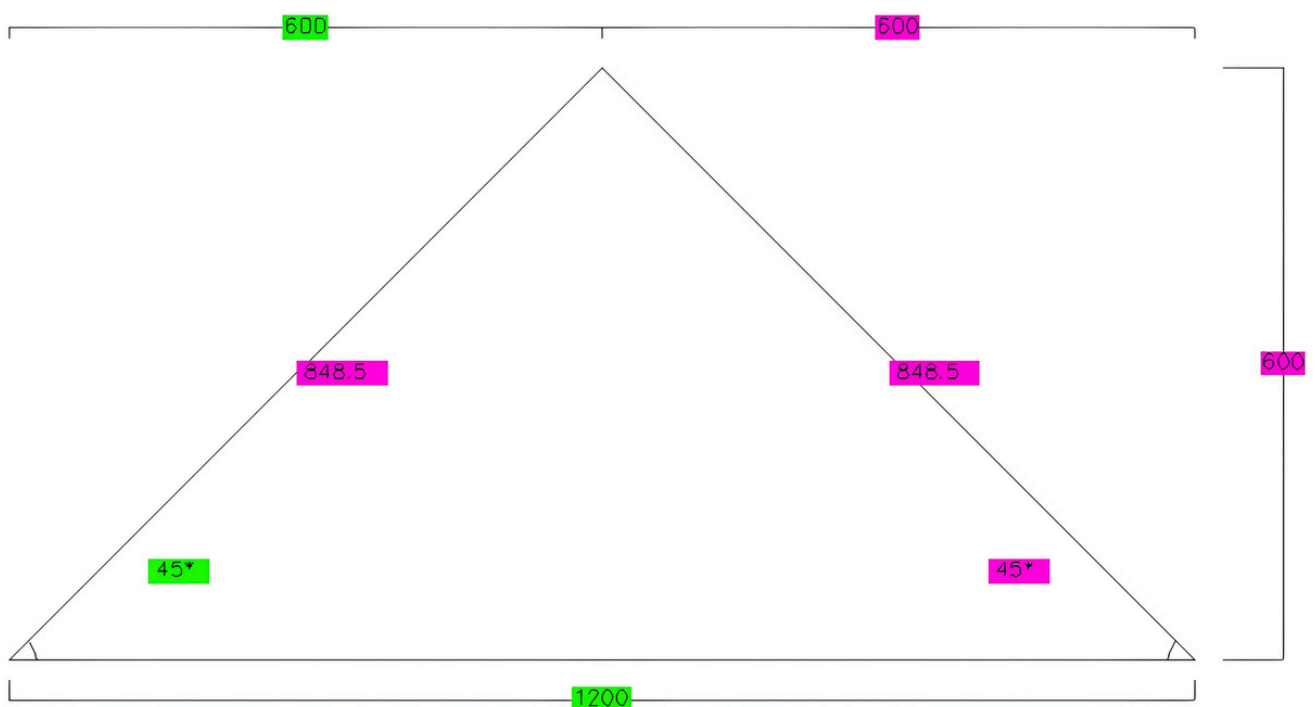
SMALLEST TRIANGLE POSSIBLE

For the top of an apex

Ambiance by STÄRKE cannot cut angles less than 30 Degrees.

If the angle is 45 degrees or more, the smallest triangle cannot be smaller than 600mm in height as it is impossible to fit into our welding equipment.

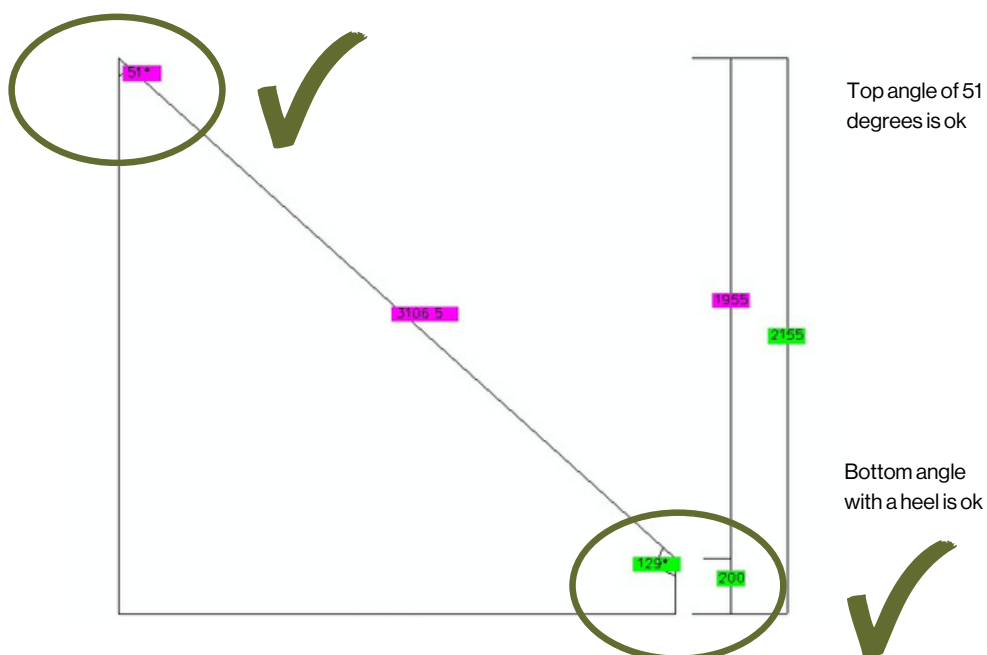
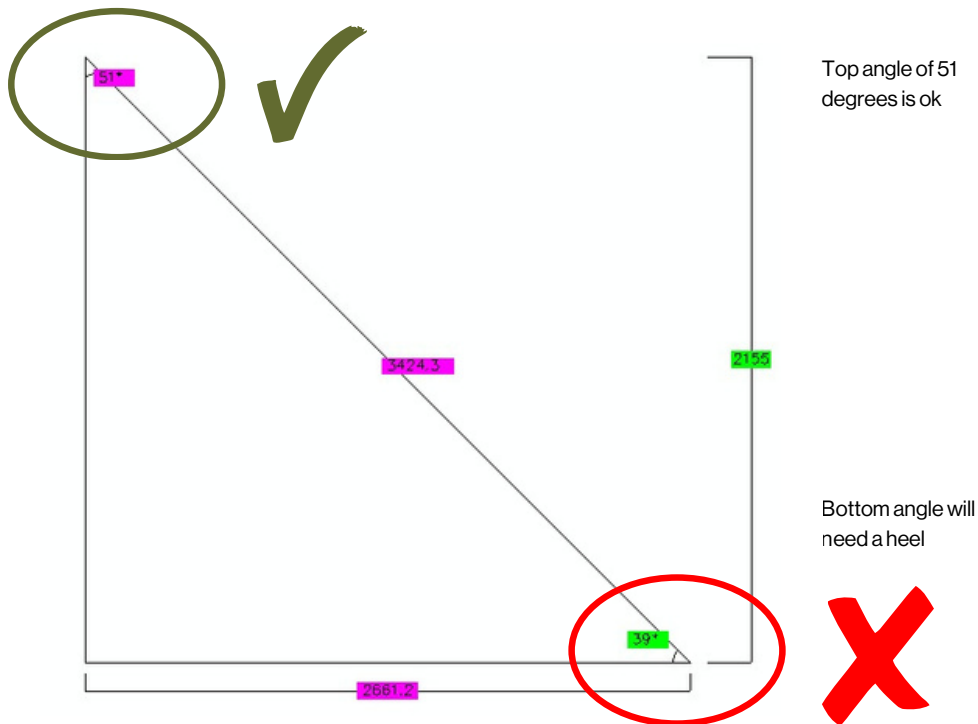
Angles between 30 and 45 degrees are required to have a 200mm heel.



ISSUE WITH SHALLOW ANGLES ON RAKED UNITS

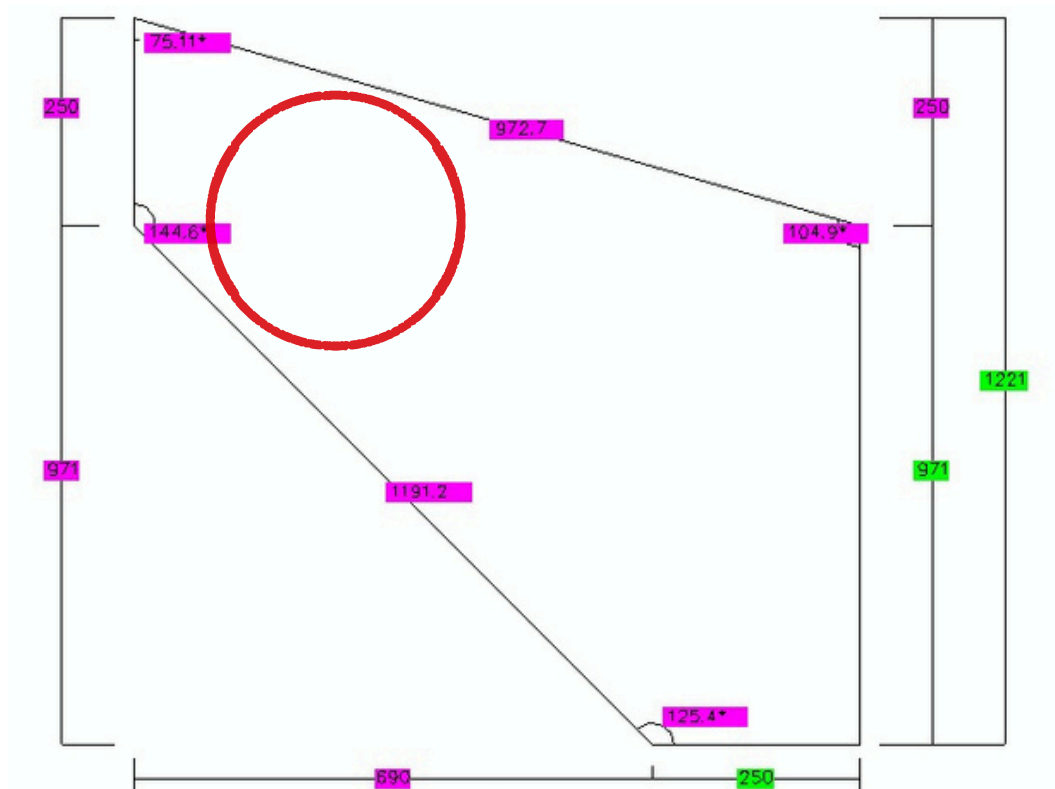
Below 30 degree Pitch

Ambiance by STÄRKE cannot cut angles less than 30 degrees, and angles between 30 and 45 degrees are required to have a minimum 200mm heel.



IRREGULAR ANGLE UNITS

Units like the one below will be difficult to make rules of thumb for but the previous rules will hold true around the minimum angles that can be cut and welded, however the ability of irregular shapes to fit into a welder will only be able to be determined with a physical mock-up. A mock-up charge of \$500+GST is charged for each mock-up to confirm viability

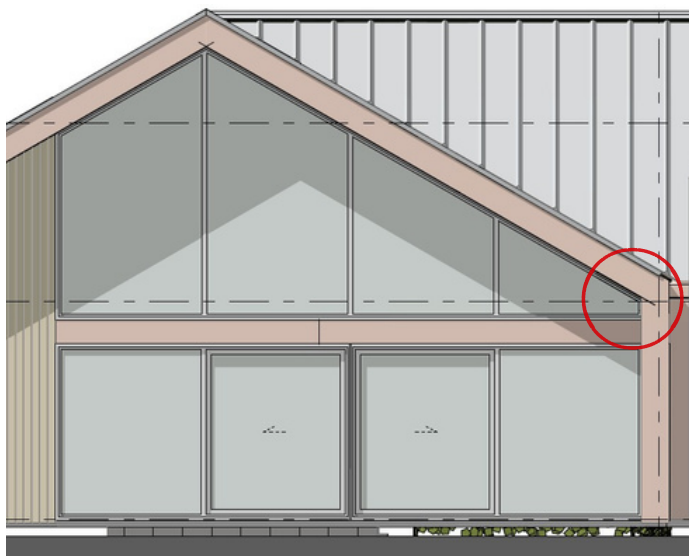
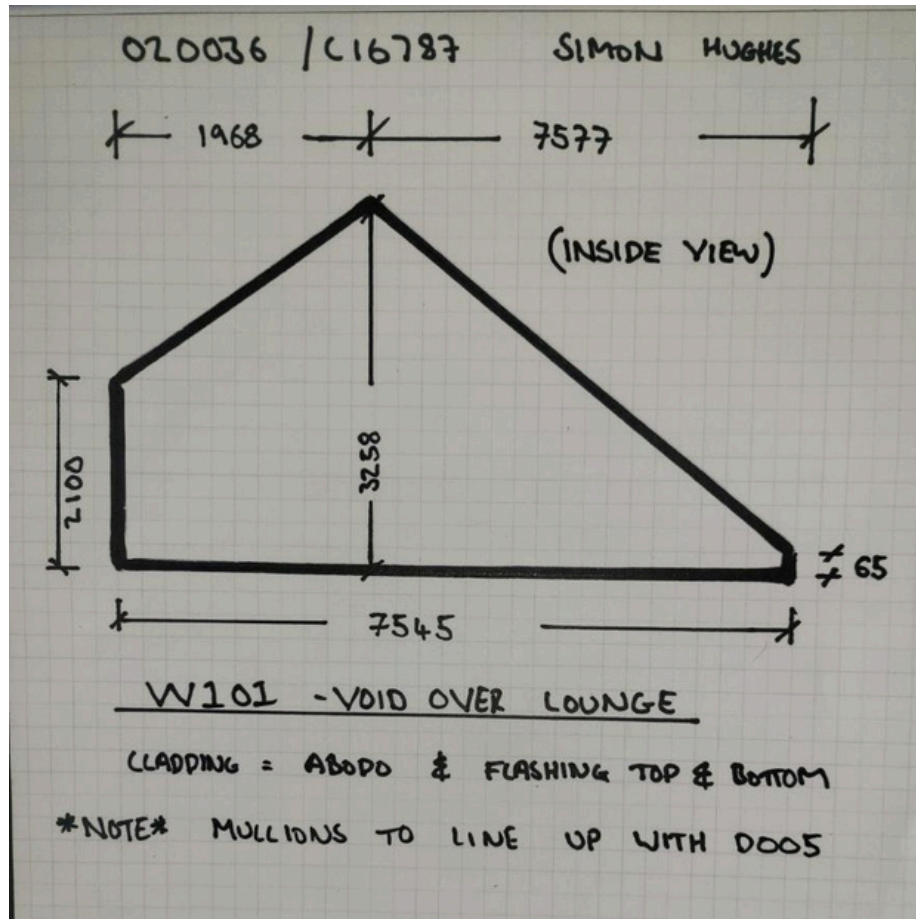


The top angle of 75 degrees is ok, all other angles are larger so it will not be difficult to cut these or to weld them.

But the pinch point would be in the area with the red circle - will there be space to weld the corners together.

ISSUE WITH SMALL 'HEEL' ON RAKED UNITS – AN EXAMPLE

Measurements from site



Original concept had a noticeable heel.

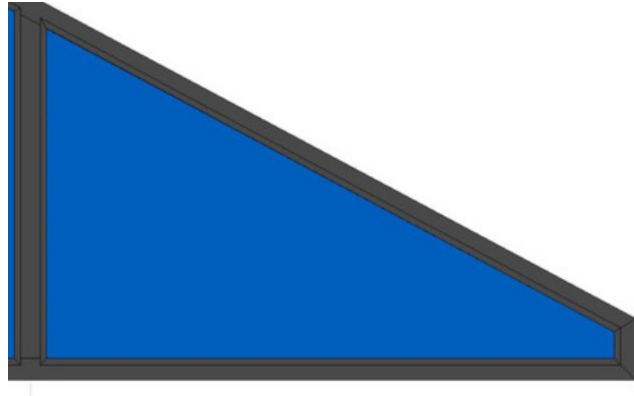
ISSUE WITH SMALL 'HEEL' ON RAKED UNITS — AN EXAMPLE

Below 30 degree pitch

Ambiance by STÄRKE cannot cut angles less than 30 degrees, and angles between 30 and 45 degrees are required to have a minimum 200mm heel.

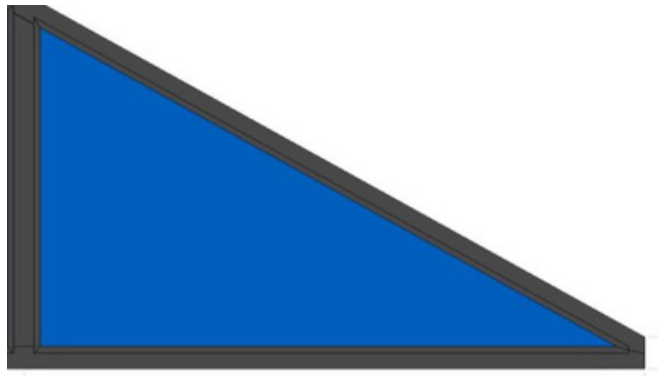
200 mm heel

Window will need to come in from the corner, and have a 200mm heel to overcome structural concerns.

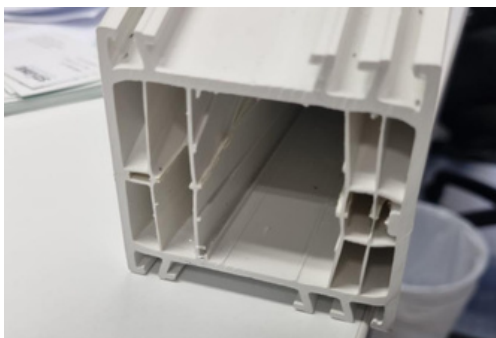


65-100 mm heel

The look of a smaller heel might match the clients expectations, but there are structural concerns.



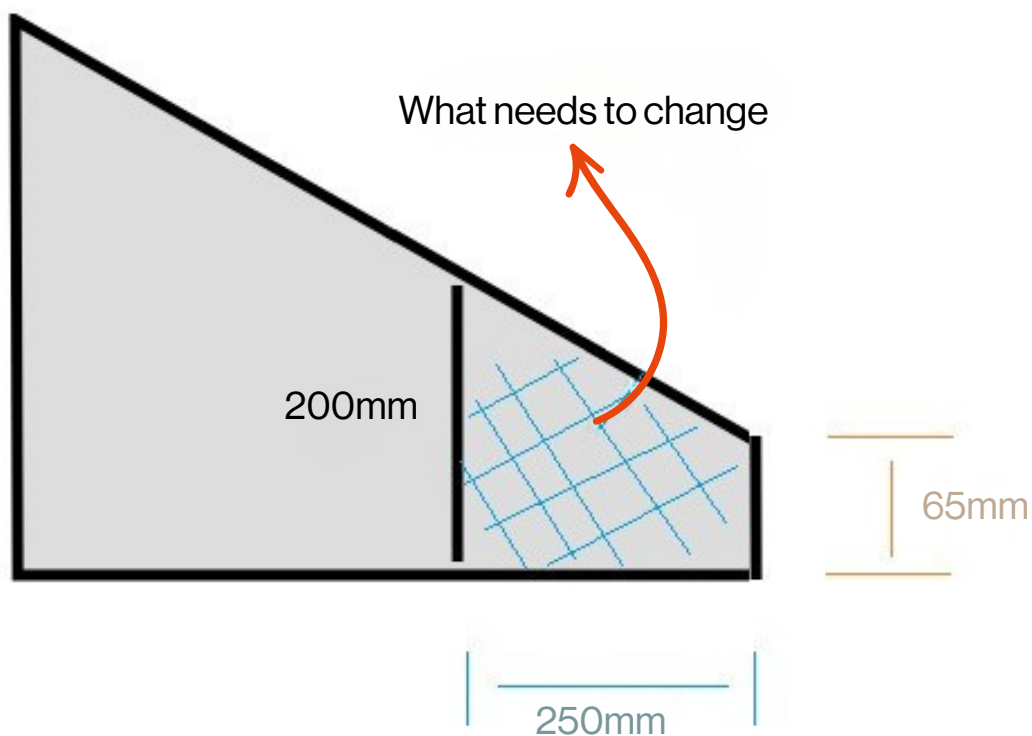
Cutting the end off the triangle opens it up for weather proofing and is highly discouraged. It weakens the corner and the weld would break easily.



ISSUE WITH SMALL 'HEEL' ON RAKED UNITS — AN EXAMPLE

Additional Cladding to bring in the wall to allow the "Heel" needed.

To allow a 200mm heel, there will need to be an additional section of wall cladding added that will bring this in from the corner.



This will also apply to the unit over the front entry.

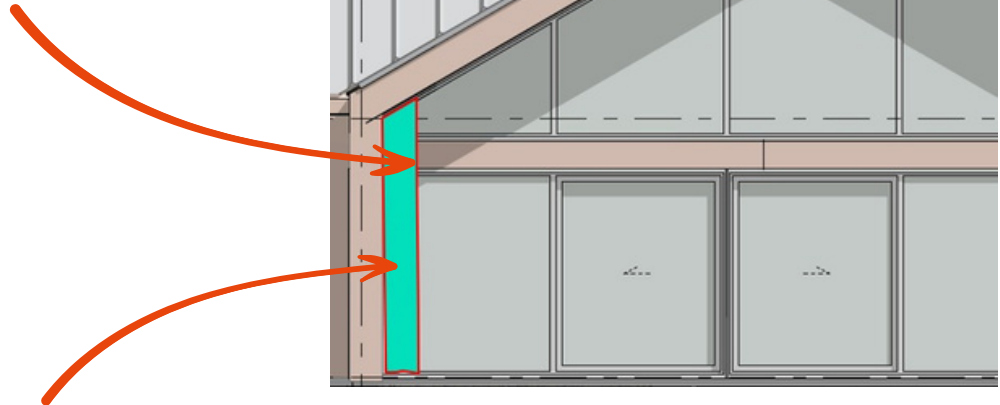
To allow a 200mm heel, there will need to be an additional section of wall cladding added that will bring this in from the corner.



ISSUE WITH 'HEEL' ON RAKED UNITS — AN EXAMPLE

200 mm heel

Window will need to come in from the corner, approx. 250mm and have a 200mm heel to overcome structural concerns.



Additional cladding to bring in the wall to allow the "Heel" is needed.

The window will need to come in from the corner, most likely above and below the steel beam.

To keep panel spacings consistent

It may be best to bring the right hand side of the cladding in also

