Figure 1
Bridging & mesh complete

Figure 2
Edge protection surrounding roof

Figure 3
EWP used to access the roof or stair scaffold

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Figure 4
2 roof sheet packs at end of building

Figure 5
Sheet packs with insulation loaded

Figure 6
Roofers roll out insulation
Roofers stand on roof sheets

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Figure 7
Placing tape or thermal strip onto purlins
Roofers standing on roof

Figure 8
Laying roof sheets
Roofers standing on sheets

Figure 9
Designated gate access

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Keep off the Purlins

SafeBridge is a roof system developed with Metroll, CSR Bradford's, Ausmesh, and Buildex that meets section J requirements from the BCA and also removes the need to add spacers to the top of purlins as is the current practice.

This system is safer and easier to install with less steps in the building process. It is also the only roof system that can fulfill leading builders' directives regarding working at heights on purlin type roofs. Specifically, Safebridge can be installed in a safer manner by ensuring roofers work solely on a solid platform (ie: Roof sheet which are visible at all times whilst installing roofing and roofers do not need to step out onto the wire mesh as is the case now when installing the spacer type system).

They key to this is careful planning to ensure full compliance of these parameters and also efficiecy in the work process.

The process is following on from the bridging and safety wire installation which is covered in the SafeBridge installation documents and WMS (see SafeBridge website www.safebridge.com.au).

Once the job has been inspected and signed off with suitable edge protection installed, the next step can be taken in the roofing installation.

1 - Cranage:
The placement of sheet packs is critical to make a safe working platform on the purlins for the workers and a suitable area to load insulation materials, tools, etc. to enable work to commence. Suggest 2 packs are placed side by side at the end of the building which will allow EWP access through a designated gate in the edge protection or purpose built scaffold for workers to safely access work from. Materials are loaded on this area also.

2 - Roof:
The roofing process can now commence.
Insulation rolls are placed between the purlins for a snug fit and rolled out only from the roof sheet platform for a short distance.

The purlin tape is likewise laid out in the same manner. Alternatively, the SB thermal strip can be laid out on top of the purlin down the line of sheets. Once these tasks are completed the roof process can start.The roof sheets are walked back from the 2 packs and continuously laid across the purlins as the insulation and thermal break is rolled out. This means the worker is always walking on roof sheets and not exposed to a fall onto the safety mesh.

If the building is greater in distance than the cover of the first packs of sheets (which would often be the case), then more packs of sheets would be landed on the purlins at a distance from the first packs that would ensure roof work up to these packs would not expose anyone to a fall because they would be at the correct distance of coverage. The packs would be landed from an EWP in the original manner at designated spots that were carefully measured out to ensure full roof method compliance.