



**UNLOADING SPANDREL PANELS WITH
A CRANE – Safety Sheet MS100a**

**TRUSSED RAFTER
ASSOCIATION**




Safety Sheet MS100a - 01/02/2016 - Rev0


Personal Protective Equipment (PPE) Required



Main Hazards



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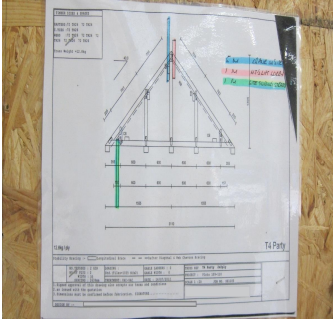


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1. CDM Construction Plan

When orders are placed for Spandrel panels the arrangements for pre-delivery load plan, delivery, unloading and lifting to roof shall be agreed between Supplier and Contractor in order for this information to form part of the CDM construction phase plan.


The supplier does not physically offload. Deliveries have to be unloaded using one of the recommended unloading methods. Not to do so creates a risk for the Supplier and Contractor by participating in unloading operations that may not have been fully risk assessed.



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2. Crane

The contractor is responsible for the provision of a crane, the qualified operator and the Slinger / Banksman. After parking on site the driver inspects the load ensuring it is still secure, with all banding & / or rope in place. Once inspected the driver must sign in at the site managers office.




Level unloading areas are essential as Spandrel Panels due to their weight and height may be unstable once straps removed. Tie down straps should not be removed from load until mechanical unloading equipment is available and unloading is ready to commence. Driver will release the load on customer instruction.

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3. Slings


Drivers and site staff are not permitted to access lorry bed during unloading. Spandrel Panels will arrive pre-slung with appropriate 7:1 lifting slings. These slings are designed to be attached to crane hooks from ground level. Where Panels are delivered in sections always check supplier information for lifting and assembly details.



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4. Multiple Section Panels

When Panels are delivered in multiple sections, installed slings are intended to lift only the panel section to which they are attached as delivered. Panels are intended for in-situ assembly only i.e. at their final location post lifting.



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5. Unloading

Once the order of unloading is agreed between the slinger and driver, the slinger will attach the lifting slings to the crane hooks. Guide ropes may also be attached to pre-installed straps along bottom chord.



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6. Lifting

The crane will then take up the slack of the lift. On instruction from the site responsible person the driver will release the transport straps on the side being unloaded.



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7. Release Panel

The driver will cut the individual rope / banding attaching the panel to the vehicle centre bars. This must be carried out from a safe position using a telescopic cutting staff.

Smaller spandrel panels may be loaded horizontally strapped or banded to a pallet. Lifting straps will be provided to enable the pallet to be lifted to roof level.



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8. Safety Area

The crane will then lift the panel from the bed of the trailer. Given the weight and shape of panel it is essential that the danger area in front of the panel is kept clear of all personnel. NEVER stand in the danger area where the panel could potentially fall or swing. Do not allow any others to enter the danger area.



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9. Further Information

Spandrel Panels are wrapped for weather protection and require specifically designed storage racks. If they are not being installed immediately. Seek further information from Supplier's appropriate storage.

If weather protection wrappings are damaged or removed before final installation then the dry timber and cladding materials used may be prone to water damage significantly reducing performance of fixings and potentially increasing the overall weight of panels.

If water damage has occurred no attempt should be made to lift the panel using the preinstalled lifting straps.



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