

# Site Waste Management Plan

## Waste Forecast Justification

<b>Project Name</b>		
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<b>Package Tendered</b>	Raised Access Flooring	
<b>Package Number</b>	WP760	
<b>Date of Submittal</b>	04.08.10	
<b>Section A</b>		
<b>Estimating material quantities</b>		
<p><b>Focus on:</b> Producing an accurate estimate of the materials required for the project as this is the first step in avoiding unnecessary waste. <b>Think about:</b> Ways to ensure accurate estimates includes obtaining robust and reliable information and using this information to produce accurate measures.</p>		
How was the material quantity calculated?	CAD take-off Measure from printed drawings Cost plan / BQ quantity Site measurement Other (please specify)	AutoCad Measure including best grid determination to reduce wastage
How accurate is this quantity and why?	High..... Medium..... Low.....	.....High..... ..... .....
<b>Section B</b>		
<b>Estimating waste allowances</b>		
<p><b>Focus on:</b> The waste allowance can be split between design waste (i.e. off cuts) and construction process waste. By doing this, estimates that are more accurate can be made; resulting in tighter material ordering and more focused mitigating actions. <b>Think about:</b> Using accurate material estimates, what are the factors that generate waste and how they relate to design and/or the construction process.</p>		
Has the waste allowance been split between design and construction process waste? If no, explain why.	Yes.....yes..... No.....	..... ..... .....
<b>Section C</b>		
<b>Design waste allowances</b>		
<p><b>Focus on:</b> Design waste is the waste stream that is 'fixed' by the design. <b>Think about:</b> Using materials that avoid unnecessary cutting; order pre-cut materials; spend extra time thinking about the setting out.</p>		
How was the allowance for design waste developed?	Trade software package. Based on historical data. Personal experience. Other (Please identify) .....	Software panel and pedestal count following grid adjustment on Autocad Non use of special oversize panels which produce excessive waste OFF-SITE COMPONENT MANUFACTURE IS EXTREEMLY HIGH

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Are there opportunities to reduce this wastage through design changes? If so, what are they?	Yes..... .....	...use of 600x300 in-field cuts in lieu of 900x600 special oversize panels to maintain minimum width under K41 - Specials require special hand build in lieu of standard manufacture production..... .....
Are there opportunities to reduce this wastage through the construction / installation process? If so, what are they?	Yes..... .....	...drawing identification of cut panels in alternate locations which can be obtained from one full panel..... .....

### Section D

### Construction Waste Allowances

**Focus on:** Identifying the largest contributors to waste specific to this project and in identifying ways to reduce this waste with minimal effort. **Think about:** How opportunities to reduce waste can be achieved

How was the allowance for construction process waste developed?	Based on historical data Personal experience	Based on initial software count
To what extent do the following factors influence the waste allowance and why?	<b>1 -Material delivery</b>	.....poor scheduling of deliveries leads to logistic resource wastage..... .....
	<b>2 - On site storage</b>	.....Not applicable – JIT deliveries..... .....
	<b>3 - Co-ordination &amp; sequencing</b>	.....waste in labour resources in double handling..... .....
	<b>4 - Programme constraints</b>	.....innovation methodology difficult to promote over standard processes...increases in programme duration and ultimate waste of site establishment resources..... .....
	<b>5 - Complexity of design</b>	.....simpler acoustic design to eliminate partitioning to subfloor would reduce labour and material content..... .....
	<b>6 - Rework</b>	.....labour resource and material waste of manufacture delivery etc..... .....
	<b>7 - Design changes</b>	... labour resource and material waste of manufacture delivery etc..... .....
	<b>8 -Co-ordinated site ordering processes</b>	.....not applicable..... .....

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	9 -Others (please list) .....	
<b>Section E</b>		
<b>Opportunities to improve</b>		
<b>Focus on:</b> What are the most important actions to take to reduce waste on this project <b>Think about:</b> The lessons learned in the past and how they could be applied to this project		
For the top 3 waste contributors, what could be done to reduce the waste generated (and reduce the waste estimate)?	1... Co-ordination & sequencing .....	..... ..... ..... .....
	2... Complexity of design .....	..... ..... ..... .....
	3... Rework .....	..... ..... ..... .....
<b>Section F</b>		
<b>Managing left over materials</b>		
<b>Focus on:</b> How to minimise the quantity of materials sent to landfill. <b>Think about:</b> How to reuse or recycle materials that are left over after work is completed		
Can packaging be eliminated, reduced, taken away or recycled?		Packaging returned to logistics storage including pallets Material waste can be recycled
What will be done with unused materials? Please explain why and how.	Returned to supplier Taken away by sub contractor Given away Recycled Sent to landfill	Residual materials are transferred to next project..no waste