

# Green Star

## Credit Cover Sheet

### Round 2

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#### Green Star - Office Interiors v1.1

#### Man-6 Waste Management During Tenancy Fitout

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Points available: 3      Points claimed: 2      CIR or TC Used: N

#### Round 1 Assessment Comments

In order for the points to be awarded please provide a waste management plan in accordance with the Technical Manual identifying the types of waste which have been recycled.

The Certified Assessors note that the plan does not appear to address plastic, bricks, concrete and cardboard. The plan also does not identify the process and responsibilities for achieving the waste diversion. The Certified Assessors also note that although minor, the waste total on the cover sheet is different from that in the waste reports.

#### Compliance with Credit Criteria

The plan addresses recycling of general demolition and construction waste in Section 3.00 General Site Clean. It is clarified that bins were provided for the source separation of all waste types called out in the Technical Manual. Greater than 60% of waste was recycled as confirmed by the Weekly Report total.

#### Documents Provided

- [3] Response to query on Man-6 from GBCA
- [6] Letter from Main Contractor confirming provision of recycling bins
- [7] Extracts from Waste Management Report to show recycling of items
- [9] Email from Demolition Plus confirming recyclable materials
- [11] Round 1 Submission is provided in its entirety

#### Discussion

The project team would like to acknowledge the comment that the plan does not appear to address plastic, bricks, concrete and cardboard. Whilst these items were claimed to have been recycled on the Round 1 Submission Man-6 Credit Cover Sheet, one item was claimed in error. Concrete was not addressed as there was no concrete waste. However, plaster and cement were covered under the plan and recycled as part of the waste management of the site.

The letter from Schiavello confirms that as part of the Waste Management on site, bins were provided for each type of recyclable waste called out in the Technical Manual. Furthermore, it confirms that the responsibility for recycling of all general waste produced on site fell on the Site Labourer, Total Image Interiors.

Within the Waste Management Plan Weekly Reports, the amounts of each type of waste have been provided. We have provided extracts to show where soft plastic, bricks, plaster & cement, cardboard, timber, and insulation have been collected in bins on site. As per the email from Joe from Demolition Plus, the subcontractor responsible for recycling all demolition and construction waste, insulation and soft plastic were unable to be recycled and are not included in the recycled content claimed.

We acknowledge the comment that the waste on the cover sheet was different to that listed in the waste reports, confirming that 4.34 tonnes of waste are totalled in the landfill and recycling dockets from Demolition Plus and James L Williams and 4.38 tonnes have been nominated on the Waste Management Plan Weekly Report. Therefore, we have recalculated the total recycled content excluding a further .04 tonnes, based on the following calculation:

$2.74/4.38 = 62.6\%$  recycling rate. This figure remains greater than 60% recycling rate required.

With regards to the difference in materials recycling between the dockets and the Waste Management Plan Weekly Report, we do acknowledge that the Report claims a recycling rate of 95.44%, whilst the dockets provided demonstrate a recycling rate of 62.6%. The exclusion of insulation and soft plastic (as per Demolition Plus email) only brings the recycling rate down to 93.6%. Therefore, we would like to suggest that the exclusion of poor grade materials at the recycling facility brought that figure down to the demonstrated 62.6%. While the precise materials recycled are not detailed in the dockets, the final recycling rates are and the project team claims compliance with this credit based on these figures.

The project team is claiming points for the percentage of recycling achieved by the waste subcontractor and demonstrated by dockets, rather than the WMP Weekly Report. It is acknowledged that whilst bins were provided for the types of waste nominated, not all of the material in each of these bins would be deemed of sufficient quality to be recycled by the various recycling facilities. Only material that was actually recycled as per attached dockets has been claimed in the Round 1 and Round 2 submission.

Joe Karten

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**From:** Briana Thompson  
**Sent:** Wednesday, 29 April 2009 6:03 PM  
**To:** Joe Karten  
**Subject:** RE: GS-412I Round 1 Assessment Queries

**Importance:** High

Dear Joe,

Please see below the **responses** to your queries:

**Man-6 'Waste Management During Tenancy Fitout'**

Although the weekly reports included within the Round 1 submission identify a number of materials (cardboard, timber, insulation, carpet, metal, plastic, plaster and cement, ceiling tiles, polystyrene, bricks, glass, fabric etc.) that were removed from site, the WMP provided (page 5 of 16) only identifies: duct work, bulk head, general rubbish, ceilings and raised floor. The Certified Assessors have highlighted that the WMP needs to include a list of ALL materials to be removed from site, describing the process for achieving waste diversion and allocating responsibility. Given that the works have already been undertaken, the project team may provide a short report describing the process for achieving the waste diversion of ALL materials identified, instead of an updated WMP.

Regarding the Certified Assessors specific reference to concrete; the project team identified concrete in the discussion section of the Round 1 credit cover sheet as follows "*Actual recycled construction waste = metal, plastic, bricks & concrete, and cardboard*".

**Mat-7 'Joinery'**

Although it has been demonstrated that some items (e.g. mobile units) are modular, many of the other joinery items such as *J05 - Reception/ café front*, *J06 - Reception/ café back bench* and *J08 - Boardroom Bench unit* do not appear to have either standardised dimensions OR to have been designed to enable the item to be arranged, fitted or stacked together in various configurations.

**Eco-4 'Commitment to Building Performance'**

If the project team believes that the section quoted below demonstrates a firm commitment, please highlight within the Round 2 Submission.

Kind regards,

Briana



**Briana Thompson**

Technical Coordinator

**Green Building Council Australia**

[Briana.Thompson@gbca.org.au](mailto:Briana.Thompson@gbca.org.au)

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**From:** Joe Karten  
**Sent:** Thursday, 23 April 2009 1:47 PM  
**To:** Briana Thompson  
**Subject:** GS-4121 Round 1 Assessment Queries

Hi Briana,

Thank you for sending through the Round 1 results for this project. I have a few queries on the Assessors comments which I hope you can clarify for me.

**Man-6 – Certified Assessors' comment:**

In order for the points to be awarded please provide a waste management plan in accordance with the Technical Manual identifying the types of waste which have been recycled.

The Certified Assessors note that the plan does not appear to address plastic, bricks, concrete and cardboard. The plan also does not identify the process and responsibilities for achieving the waste diversion. The Certified Assessors also note that although minor, the waste total on the cover sheet is different from that in the waste reports.

**Clarification sought:**

There was no need to have the WMP cover removal of concrete as no concrete was removed from site. In addition, it is *not a material listed in the TM*. The waste management plan provided, clearly indicated both process for achieving waste diversion, as evidenced by page 5 of the pdf credit, and it identified the responsible party on the far right column of the table. Bins were provided for each type of waste listed in the Technical Manual. Soft plastic, cardboard and bricks were all listed in the Waste Management Plan Weekly Reports and bins were provided for the measurement of all of these types of waste. Please clarify the Certified Assessors' request as we feel that all requirements of the Technical Manual have been addressed.

**Mat-7 – Certified Assessors' comment:**

In order for the point to be awarded please demonstrate that the units are modular. The Certified Assessors note that joinery units do not appear to have standardised dimensions and it has not been demonstrated that the design enables the items to be arranged, fitted or stacked together in various configurations in accordance with the Technical Manual.

**Clarification sought:**

We understand that we must only comply with one of the requirements as the Technical Manual clearly states with regards to Modularity:

Nominate 'Yes' if the joinery has been manufactured with standardised dimensions **or** design that enables the item to be arranged, fitted or stacked together in various configurations; **or**

Nominate 'No' for non-modular joinery ....

The use of the word 'or' in the Technical Manual leads us to understand that any one of these conditions needs to be satisfied in order to demonstrate modularity. In fact, we believe that we have demonstrated that the joinery provided is manufactured to standard dimensions **AND** the design enables the items to be arranged, fitted or stacked together in various configurations. We also understand that the second use of the word "or" between the "Yes" and the "No" cases, means that we do not need to disprove the "No" case to demonstrate compliance with the "Yes". It is only within this optional "No" case where the requirement for joinery to be able to be reconfigured without alteration arises. The use of the word "or" between the "Yes" and the "No" cases, means that we need to demonstrate one or the other. We have complied with the requirement by demonstrating that the "Yes" case has been met and we believe that the assessors are going beyond the requirement of the Technical Manual by requiring us to comply with the "Yes" case **AND**

the opposite of the "No" case. It is perhaps the case that the Technical Manual is not very clear on this issue, but in this case, we believe we have complied with the letter of the Technical Manual and the Certified Assessors are going beyond the written requirements and introducing an unjustified interpretation of the requirements.

Clearly, as per the above criterion, joinery that is manufactured with standardised dimensions meets the criteria for Modularity. Elevation drawings of all joinery units were provided detailing their construction to standardised dimensions. Please clarify what further information is required.

**Eco-4 – Certified Assessors' comment:**

In order for the points to be awarded, please amend the agreement to more formally commit the GBCA to these initiatives. The Certified Assessors note that the agreement letter between JLL and the GBCA only states that they "understand" that the GBCA is committed to these initiatives.

**Clarification sought:**

We note that the last paragraph of the commitment letter between GPT, Jones Lang LaSalle and the GBCA includes the words 'This agreement made between Jones Lang LaSalle on behalf of GPT and the Green Building Council of Australia is recognised as a commitment by both parties to the above listed initiatives in order to reduce the environmental impact of the building at 179 Elizabeth Street, Sydney.'

The above paragraph clearly identifies this document to be a commitment by both parties. Please advise what further information is required.

Many thanks for your clarification on these issues.

Kind regards,  
Joe



**Joe Karten**

Technical Coordinator

**Green Building Council Australia**

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# Schiavello

## Re: GBCA Waste Management

30<sup>th</sup> April 2009

Dear Joe

Green Building Council of  
Australia  
Lvl 15 – 179 Elizabeth Street  
Sydney, NSW 2000

Mr. Joe Karten

Please let this letter serve as verification that separate bins were provided on site during the tenancy fit-out works of L15, 179 Elizabeth Street, for the source separation and recycling of the following items:

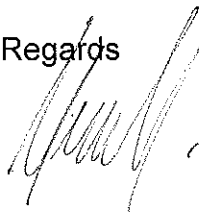
1. Cardboard
2. Insulation
3. Carpet
4. Metal
5. Soft Plastic
6. Plaster & Cement
7. Ceiling Tiles
8. Polystyrene
9. Bricks
10. Glass
11. Fabric
12. Non – recyclable Rubbish

Please note that both the recycling and rubbish collected was weighed and recorded in the Total Image Interiors Waste Management Plan Weekly Reports and that this Plan was approved by Schiavello

In addition, note that recycling of most of the above items fell under the responsibility of the Site Labourer (Total Image Interiors), Section 3.000 General Site Clean in the Waste Management Plan. The recycling of specific sources is recorded in the Weekly Reports and dockets from the recycling facility verify the tonnages claimed

Should you have any further queries in regards to the above matter please do not hesitate to contact the undersigned on 03) 96741 553.

Regards



**Adam Terrill**  
Schiavello Project Interiors







Total Image Interiors  
Pty Ltd  
ABN: 91 125 277 699

## Waste Management Plan WEEKLY REPORT

Green Building Council of Australia  
Fitout

1.00 Waste Material removed from site since last report:						
		Weight verified by receipts (kgs)	Weight NOT verified by receipts (kgs)	Aggregate weight (kgs)	%	GBCA Sign off?
1.01	<b>Recyclable:</b>	120.00	100.00	220.00	22.68	
1.02	Cardboard	80.00	0.00	80.00	8.25	
1.03	Timber	50.00	0.00	50.00	5.15	
1.04	Insulation	0.00	0.00	0.00	0.00	
1.05	Carpet	200.00	0.00	200.00	20.62	
1.06	Metal	30.00	0.00	30.00	3.09	
1.07	Soft Plastic	300.00	0.00	300.00	30.93	
1.08	Plaster & Cement	0.00	0.00	0.00	0.00	
1.09	Ceiling Tiles	0.00	0.00	0.00	0.00	
1.10	Polystyrene	90.00	0.00	90.00	9.28	
1.11	Bricks	0.00	0.00	0.00	0.00	
1.12	Glass	0.00	0.00	0.00	0.00	
1.13	Fabric	0.00	0.00	0.00	0.00	
	<b>SUB TOTAL</b>	870.00	100.00	970.00	100	
1.14	<b>Other Waste (non recycled)</b>	0.00	0.00	0.00	0	
1.15	<b>TOTAL</b>	870.00	100.00	970.00	100	

2.00 Cumulative totals of Waste Material removed from site to date:						
		Verified weight from above	Un-verified weight from above	Previous Report's cumulative total	New Cumulative Total	%
2.01	<b>Recyclable:</b>	120.00	100.00	0.00	220.00	5.01
2.02	Cardboard	80.00	0.00	0.00	80.00	1.82
2.03	Timber	50.00	0.00	0.00	50.00	1.14
2.04	Insulation	0.00	0.00	0.00	0.00	0.00
2.05	Carpet	200.00	0.00	2300.00	2600.00	56.95
2.06	Metal	30.00	0.00	0.00	30.00	0.66
2.07	Soft Plastic	300.00	0.00	920.00	1220.00	27.79
2.08	Plaster & Cement	0.00	0.00	0.00	0.00	0.00
2.09	Ceiling Tiles	0.00	0.00	0.00	0.00	0.00
2.10	Polystyrene	90.00	0.00	0.00	90.00	2.05
2.11	Bricks	0.00	0.00	0.00	0.00	0.00
2.12	Glass	0.00	0.00	0.00	0.00	0.00
2.13	Fabric	0.00	0.00	0.00	0.00	0.00
	<b>SUB TOTAL</b>	870.00	100.00	3220.00	4190.00	95.44
2.14	<b>Other Waste (non recycled)</b>	0.00	0.00	200.00	200.00	4.56
2.15	<b>TOTAL</b>	870.00	100.00	3420.00	4390.00	100
2.16						

3.00 Waste removal/recycled Receipts		
		No.
3.01	Number of Loads removed from site since last report	1
3.02	Number of Loads removed from site since last report with verification	1
3.03	Number of Loads removed from site since last report without verification	1
3.04	Number of receipts still outstanding from previous reports	1
3.05	Total receipts still outstanding from previous reports	0

4.00	Comments
	Carboard protection removed from site by Schiavello.

Signed:  
Dated:

18/01/2008

5.00 COMPLETION		
5.01	On track with forecast?	Yes No
5.02	Issued to Project Manager	X

Page 1 of 1





Shane Barisa  
**Project Manager**  
**Total Image Interiors Pty Ltd**

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Total Image Interiors Pty Ltd  
Suite 32, 20 - 28 Maddox Street  
ALEXANDRIA NSW 2015

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[www.totalimage.com.au](http://www.totalimage.com.au)

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**From:** Joe Karten [mailto:Joe.Karten@gbca.org.au]  
**Sent:** Friday, May 29, 2009 3:53 PM  
**To:** Shane Barisa  
**Subject:** recycling in fitout construction

Hi Shane,

As per our conversation, I'm after confirmation of the types of materials that Demolition Plus was able to recycle during the demolition and construction of our tenancy fitout.

The following materials were placed in separate bins on site for recycling. Can you please confirm which of the below items were recyclable and which were sent to landfill?

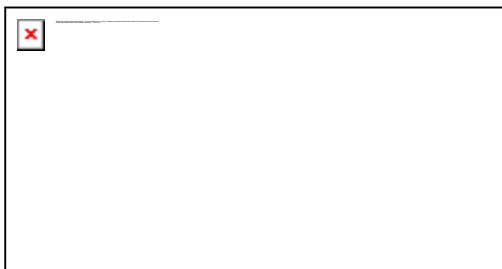
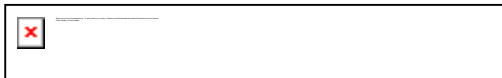
1. Cardboard
2. Timber
3. Insulation
4. Metal
5. Soft Plastic
6. Plaster & Cement
7. Bricks

Attached, please find the documentation that I am currently working off of to confirm recycling percentages. If you look specifically at page 10 and page 12 of the pdf, you'll see the numbers I am trying to reconcile.

Feel free to contact me if you require further information.

Many thanks for your help with this.

Regards,  
Joe



**Joe Karten**

Technical Coordinator

**Green Building Council Australia**

[Joe.Karten@gbca.org.au](mailto:Joe.Karten@gbca.org.au)

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## Green Star – Office Interiors v1.1

### Management

#### Man-6 Waste Management During Tenancy Fitout

Points Available	Points Claimed	CIR Submitted
3	2	N

#### Credit Criteria

Up to three points are awarded where it is demonstrated that the contractor has implemented a Waste Management Plan and achieved the following targets:

- 1 point where 40% of waste by weight was re-used or recycled;
- 2 points where 60% of waste by weight was re-used or recycled;
- 3 points where 80% of waste by weight was re-used or recycled.

Records must be kept by the contractor to demonstrate all waste generated and waste re-used or recycled by weight.

#### Documents Provided

✓	A copy of the Waste Management Plan used for the tenancy fitout works; <b>Man-6: 1</b>
✓	A copy of the tenancy fitout waste disposal report that details the quantity (by weight) of waste generated by the tenancy fitout works and the fraction of waste re-used or recycled (by weight); dockets and site report <b>Man-6: 2</b>
✓	Information from the contractor that confirms that the waste re-use/recycling target was achieved for the tenancy fitout works; <b>Man-6: 3</b>
✓	Evidence that the building is a non-integrated tenancy fitout. <b>Man-6: 4</b>

#### Discussion

- On the following page is a table that outlines the amount of construction and other waste generated during the fitout and shows how much was recycled and how much was sent to landfill. These are based on the waste contractor dockets in **Man-6: 2**. **All waste is expressed in tonnes.**

**Actual recycled construction waste** = metal, plastic, bricks & concrete, and cardboard.

**Non-recycled construction waste** = timber, insulation & foam, plasterboard and plasterboard by products, and carpet.

**Non-recycled other waste** = miscellaneous.

## Green Star – Office Interiors v1.1

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Date	Actual recycled construction waste	Non-recycled construction waste	Non-recycled waste (other)
4/12/07	1.30 t		
12/12/07	.30 t		
19/12/07	.70 t		.20 t
14/01/08		.92 t	
18/01/08	.44 t	.48 t	
Total	2.74 t	1.40 t	.20 t

Total waste onsite = 2.74 + 1.40 + .20 = 4.34 tonnes of waste generated.

2.74 t / 4.34 t = 63.13% of waste generated was recycled.

**Therefore, greater than 60% of waste generated on site was recycled.**

# Waste Management Plan

Green Building Council of  
Australia

Fit out  
Level 15 179 Elizabeth St  
Sydney

The GBCA is relocating to space in a building owned by the GPT, the space is approx 800 sq meters and is a whole floor.

All services are existing to the floor.

The building owner has provided the space with out floor coverings and the ceiling has been removed.

There will be a very small amount of demolition of the existing structure.

The fitout will be designed to achieve a 5 or 6 star rating.

#### Contacts

Construction Manager  
Schiavello Project Solutions Pty.Ltd  
31-49 Queensbridge St  
Southbank 3006

Adam Terrill  
039674 1553  
[aterrill@schiaavello.com.au](mailto:aterrill@schiaavello.com.au)

Site Labour  
James Wade  
0418 644034  
[james@totalimage.com.au](mailto:james@totalimage.com.au)

The building owner has a tenant guide which is attached, this addresses the requirements of the building owner for any work carried out in the building.



Waste Management Plan  
Green Building Council of Australia  
Fit out  
L 15 179 Elizabeth St Sydney

This WMP relates to the internal fitout works on level 8 of 179 Elizabeth St Sydney only

This site has minor demolition requirements as the building owner is suppling the space with no ceiling or floor finishes

The building is existing and therefore a non intergrated fitout

1.00	Duct Work Demolition	the mechanical contractor will remove the existing flexible duct and reuse on another project  <b>Records to be kept of weight reused</b>
2.00	Bulkhead Demolition	the builder will remove the bulk head and separate plaster and metal product will be recycled approx weight      metal 20 kilo plaster 100 kilo <b>Records to be kept of all weights of disposed product and waste</b>
3.00	General Site Clean	the labourer will maintain a clean site, rubbish to land fill approx weight      rubbish 100 kilo <b>Records to be kept of all weights of disposed product and waste</b>
4.00	Ceilings	waste to be seperated for recycle  <b>Records to be kept of all weights of disposed product and waste</b>
5.00	Raised floor	off cuts to be returned for reuse  <b>Records to be kept of weight reused</b>

Responsibility
James L Williams
Demolition Contractor
Site Labourer
Ceiling Contractor
Tasman Floors









**Total Image Interiors  
Pty Ltd**  
ABN: 91 125 277 889

## Waste Management Plan WEEKLY REPORT

**Green Building Council of Australia  
Fitout**

1.00	Waste Material removed from site since last report:					
		Weight verified by receipts (kgs)	Weight NOT verified by receipts (kgs)	Aggregate weight (kgs)	%	GBCA Sign off?
	<b>Recyclable:</b>	0.00	0.00	0.00	0	
1.01	Cardboard	0.00	0.00	0.00	0	
1.02	Timber	0.00	0.00	0.00	0	
1.03	Insulation	0.00	0.00	0.00	0	
1.04	Carpet	0.00	0.00	0.00	0	
1.05	Metal	0.00	0.00	0.00	0	
1.06	Soft Plastic	0.00	0.00	0.00	0	
1.07	Plaster & Cement	920.00	0.00	920.00	100	
1.08	Ceiling Tiles	0.00	0.00	0.00	0	
1.09	Polystyrene	0.00	0.00	0.00	0	
1.10	Bricks	0.00	0.00	0.00	0	
1.11	Glass	0.00	0.00	0.00	0	
1.12	Fabric	0.00	0.00	0.00	0	
1.13	<b>SUB TOTAL</b>	920.00	0.00	920.00	100	
1.14	<b>Other Waste (non recycled)</b>	0.00	0.00	0.00	0	
1.15	<b>TOTAL</b>	920.00	0.00	920.00	100	

2.00	Cumulative totals of Waste Material removed from site to date:					
		Verified weight from above	Un-verified weight from above	Previous Report's cumulative total	New Cumulative Total	%
2.01	<b>Recyclable:</b>	0.00	0.00	0.00	0.00	0.00
2.02	Cardboard	0.00	0.00	0.00	0.00	0.00
2.03	Timber	0.00	0.00	0.00	0.00	0.00
2.03	Insulation	0.00	0.00	0.00	0.00	0.00
2.04	Carpel	0.00	0.00	0.00	0.00	0.00
2.05	Metal	0.00	0.00	2300.00	2300.00	67.25
2.06	Soft Plastic	0.00	0.00	0.00	0.00	0.00
2.07	Plaster & Cement	920.00	0.00	0.00	920.00	26.90
2.08	Ceiling Tiles	0.00	0.00	0.00	0.00	0.00
2.09	Polystyrene	0.00	0.00	0.00	0.00	0.00
2.10	Bricks	0.00	0.00	0.00	0.00	0.00
2.11	Glass	0.00	0.00	0.00	0.00	0.00
2.12	Fabric	0.00	0.00	0.00	0.00	0.00
2.13		<b>SUB TOTAL</b>	0.00	2300.00	3220.00	84.15
2.14	<b>Other Waste (non recycled)</b>	0.00	0.00	200.00	200.00	5.85
2.15		<b>TOTAL</b>	0.00	2500.00	3420.00	100
2.16						

3.00 Waste removal/recycled Receipts		No.
3.01	Number of Loads removed from site since last report	1
3.02	Number of Loads removed from site since last report with verification	1
3.03	Number of Loads removed from site since last report without verification	0
3.04	Number of receipts still outstanding from previous reports	0
3.05	Total receipts still outstanding from previous reports	0

[illegible]

Signed:  
Dated:

6.00	COMPLETION		
5.01	On track with forecast?	Yes	No
5.02	Issued to Project Manager	X	



Total Image Interiors  
Pty Ltd  
ABN: 91 125 277 689

## Waste Management Plan WEEKLY REPORT

Green Building Council of Australia  
Fitout

Man-6: 2

1.00	Waste Material removed from site since last report:					
		Weight verified by receipts (kgs)	Weight NOT verified by receipts (kgs)	Aggregate weight (kgs)	%	GBCA Sign off?
1.01	<b>Recyclable:</b>					
	Cardboard	120.00	100.00	220.00	22.68	
1.02	Timber	80.00	0.00	80.00	8.25	
1.03	Insulation	50.00	0.00	50.00	5.15	
1.04	Carpet	0.00	0.00	0.00	0.00	
1.05	Metal	200.00	0.00	200.00	20.62	
1.06	Soft Plastic	30.00	0.00	30.00	3.09	
1.07	Plaster & Cement	300.00	0.00	300.00	30.93	
1.08	Ceiling Tiles	0.00	0.00	0.00	0.00	
1.09	Polystyrene	0.00	0.00	0.00	0.00	
1.10	Bricks	90.00	0.00	90.00	9.28	
1.11	Glass	0.00	0.00	0.00	0.00	
1.12	Fabric	0.00	0.00	0.00	0.00	
1.13	<b>SUB TOTAL</b>	<b>870.00</b>	<b>100.00</b>	<b>970.00</b>	<b>100</b>	
1.14	<b>Other Waste (non recycled)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>	
1.15	<b>TOTAL</b>	<b>870.00</b>	<b>100.00</b>	<b>970.00</b>	<b>100</b>	

2.00	Cumulative totals of Waste Material removed from site to date:					
		Verified weight from above	Un-verified weight from above	Previous Report's cumulative total	New Cumulative Total	%
2.01	<b>Recyclable:</b>					
	Cardboard	120.00	100.00	0.00	220.00	5.01
2.02	Timber	80.00	0.00	0.00	80.00	1.82
2.03	Insulation	50.00	0.00	0.00	50.00	1.14
2.04	Carpet	0.00	0.00	0.00	0.00	0.00
2.05	Metal	200.00	0.00	2300.00	2600.00	56.95
2.06	Soft Plastic	30.00	0.00	0.00	30.00	0.66
2.07	Plaster & Cement	300.00	0.00	920.00	1220.00	27.79
2.08	Ceiling Tiles	0.00	0.00	0.00	0.00	0.00
2.09	Polystyrene	0.00	0.00	0.00	0.00	0.00
2.10	Bricks	90.00	0.00	0.00	90.00	2.05
2.11	Glass	0.00	0.00	0.00	0.00	0.00
2.12	Fabric	0.00	0.00	0.00	0.00	0.00
2.13	<b>SUB TOTAL</b>	<b>870.00</b>	<b>100.00</b>	<b>3220.00</b>	<b>4190.00</b>	<b>95.44</b>
2.14	<b>Other Waste (non recycled)</b>	<b>0.00</b>	<b>0.00</b>	<b>200.00</b>	<b>200.00</b>	<b>4.56</b>
2.15	<b>TOTAL</b>	<b>870.00</b>	<b>100.00</b>	<b>3420.00</b>	<b>4390.00</b>	<b>100</b>
2.16						

3.00	Waste removal/recycled Receipts	No.
3.01	Number of Loads removed from site since last report	1
3.02	Number of Loads removed from site since last report with verification	1
3.03	Number of Loads removed from site since last report without verification	1
3.04	Number of receipts still outstanding from previous reports	1
3.05	Total receipts still outstanding from previous reports	0

4.00	Comments
	Carboard protection removed from site by Schiavello.

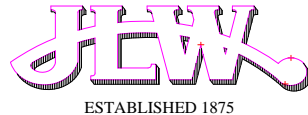
Signed:  
Dated:

*L. Allen*  
18/01/2008

5.00	COMPLETION	Yes	No
5.01	On track with forecast?	Yes	No
5.02	Issued to Project Manager	X	

Page 1 of 1





# James L Williams Pty Ltd

Air Conditioning & Mechanical Services

ACN 004 122 650 ABN 17 004 122 650

**To:** Adam Terrill

**Company:** Schiavello

**Date:** 13/02/08

**Project:** GBCA – L5, 179 Elizabeth St Sydney

**Pages:** 1

**Subject:** Duct Recycling

**Ref:**

## Report on duct recycling

JLW confirms that approximately 1300 kilograms of redundant uninsulated sheet metal ductwork and light boots were taken to Sims-metal for recycling.

The material was removed from site on Monday and Tuesday the 3<sup>rd</sup> and 4<sup>th</sup> of December 2007.

The redundant items were taken down to the basement via the goods lift and loaded on to a 6 tonne truck. The truck took 4 loads to Sims-metal Milperra Collection Depot.

Chilled Air P/L was the subcontractor that removed the items from site.

Regards

Paul Glekas

**Project Manager B.E. SYDU (HONS)**

James L. Williams Pty Ltd.

Unit 10/476 Gardeners Road, Alexandria NSW 2015Ph: (02) 8338 5888 Fax: (02) 9313 5612



**James L. Williams Pty  
Limited**  
ACN 004 122 650

**IMPORTANT:** This fax may be confidential and private.  
Unauthorised use is prohibited.  
If you have it in error, please contact us and destroy this document.  
Thank you.

Day	Date	SI #	Details	Unit	Qty	Rate	Sub Total
Friday	18/01/2008		Pantec	hr	2.5	\$ 80.00	\$ 200.00
			Tipping of mixed waste	t	0.48	\$ 200.00	\$ 96.00
			Tipping of recycled waste (tipped in yard)	t	0.44	-	\$
						\$ -	
						\$ -	
Total Cost (excluding GST)							\$ 296.00

**Description of Work Completed** Removal and disposal of mixed waste

Day	Date	SI #	Details	Unit	Qty	Rate	Sub Total
Wednesday	19/12/2007		Pantec	hr	2	\$ 80.00	\$ 160.00
			Tipping of recyclable waste (tipped in yard)	t	0.7	N/A	-
			Tipping of mixed waste (tipped in yard)	t	0.2	\$ 200.00	\$ 40.00
						\$ -	
Monday	14/01/2008		Pantec	hr	2	\$ 80.00	\$ 160.00
			Tipping of mixed waste (tipped in yard)	t	0.92	\$ 200.00	\$ 184.00
						\$ -	
Total Cost (excluding GST)							\$ 544.00

**Description of Work Completed** Supply of 10 otto bins and removal and disposal of rubbish as required

Day	Date	SI #	Details	Unit	Qty	Rate	Sub Total
Otto bins delivered to site							
Tuesday	27/11/2007		Pantech delivery	hr	1	\$ 85.00	\$ 85.00
			Preparation of bins	hr	1	\$ 80.00	\$ 80.00
						\$ -	
						\$ -	
Removal and disposal of builder's rubbish							
Wednesday	12/12/2007		Pantech	hr	2	\$ 80.00	\$ 160.00
			Tipping of rubbish - Recyclable waste	t	0.3	\$ -	\$ -
						\$ -	
						\$ -	
Total Cost (excluding GST)							\$ 325.00



Job Reference Number: #07666

Total Image Interiors Pty Ltd  
abn: 91 126 277 666

11<sup>th</sup> June 2008

PO Box 6466  
South Sydney BC  
Alexandria NSW 2015

Green Building Council of Australia  
Level 15  
179 Elizabeth Street  
SYDNEY NSW 2000

Ph: (02) 9700 7122  
Fax: (02) 9700 7433  
[www.totalimage.com.au](http://www.totalimage.com.au)

Attention: Joe Karten

Dear Joe

This letter provides confirmation that greater than 60% of total waste generated onsite during the fitout works at Level 15, 179 Elizabeth Street was recycled.

The waste management report sent previously will verify quantities of waste removed from site, while the dockets provided from Demolition Plus and letter from JL Williams confirm the exact quantities of waste recycled and sent to landfill.

Please feel free to contact me with any questions regarding the waste management of the GBCA Fitout at Level 15, 179 Elizabeth Street.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Ray Allan'.

**RAY ALLAN**  
Site Manager

[www.schiavello.com](http://www.schiavello.com)



11<sup>th</sup> February 2009

Green Building Council of  
Australia  
L15, 179 Elizabeth St  
Sydney, NSW 2000

Att: Joe Karten

**Re: GBCA FIT-OUT CONFIRMATION**

Dear Joe,

I confirm that fit-out works within the Level 15, 179 Elizabeth St tenancy were limited to this tenancy and not integrated with a larger base building refurbishment. While there was tenant initiated refurbishments done to the restroom facilities on Level 15, these were not done in connection with base building renovations, but simply so that the tenant would have more water efficient fixtures in the Level 15 tenancy.

Please contact me with any queries you may have relating to this matter.

Kind regards,

A handwritten signature in black ink, appearing to read "Adam Terrill". The signature is stylized with long, sweeping strokes.

**Adam Terrill**  
Senior Project Manager  
Schiavello Project Interiors

phone	(03) 9674 1553
mobile	0407 322 346
fax	(03) 9674 1666