

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; Man-6: 1
✓	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 Man-6: 2
✓	Information from the contractor that confirms that the waste re-use/recycling target was achieved for the tenancy fitout works; Man-6: 3
✓	Evidence that the building is a non-integrated tenancy fitout. Man-6: 4

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

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



Site Labour



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 supplying the space with no ceiling or floor finishes

The building is existing and therefore a non intergrated fitout

			Responsibility
1.00	Duct Work Demolition	the mechanical contractor will remove the existing flexible duct and reuse on another project Records to be kept of weight reused	James L Williams
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 Records to be kept of all weights of disposed product and waste	Demolition Contractor
3.00	General Site Clean	the labourer will maintain a clean site, rubbish to land fill approx weight rubbish 100 kilo Records to be kept of all weights of disposed product and waste	Site Labourer
4.00	Ceilings	waste to be seperated for recycle Records to be kept of all weights of disposed product and waste	Ceiling Contractor
5.00	Raised floor	off cuts to be returned for reuse Records to be kept of weight reused	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?
	Recyclable:	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	1300.00	0.00	1300.00	100	
1.06	Soft Plastic	0.00	0.00	0.00	0	
1.07	Plaster & Cement	0.00	0.00	0.00	0	
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	SUB TOTAL	1300.00	0.00	1300.00	100	
1.14	Other Waste (non recycled)	0.00	0.00	0.00	0	
1.15	TOTAL	1300.00	0.00	1300.00	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	%
	Recyclable :	0.00	0.00	0.00	0.00	0
2.01	Cardboard	0.00	0.00	0.00	0.00	0
2.02	Timber	0.00	0.00	0.00	0.00	0
2.03	Insulation	0.00	0.00	0.00	0.00	0
2.04	Carpet	0.00	0.00	0.00	0.00	0
2.05	Metal	1300.00	0.00	0.00	1300.00	100
2.06	Soft Plastic	0.00	0.00	0.00	0.00	0
2.07	Plaster & Cement	0.00	0.00	0.00	0.00	0
2.08	Ceiling Tiles	0.00	0.00	0.00	0.00	0
2.09	Polystyrene	0.00	0.00	0.00	0.00	0
2.10	Bricks	0.00	0.00	0.00	0.00	0
2.11	Glass	0.00	0.00	0.00	0.00	0
2.12	Fabric	0.00	0.00	0.00	0.00	0
2.13	SUB TOTAL	1300.00	0.00	0.00	1300.00	100
2.14	Other Waste (non recycled)	0.00	0.00	0.00	0.00	0
2.15	TOTAL	1300.00	0.00	0.00	1300.00	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

4.00 Comments	

Signed:
Dated:


4/12/2007

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



Total Image Interiors
Pty Ltd
ABN: 61 125 277 689

**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	Recyclable:	120.00	100.00	220.00	22.68	
	Cardboard					
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		SUB TOTAL	870.00	100.00	970.00	100
1.14	Other Waste (non recycled)	0.00	0.00	0.00	0	
1.15	TOTAL	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	Recyclable:	120.00	100.00	0.00	220.00	5.01	
	Cardboard						
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		SUB TOTAL	870.00	100.00	3220.00	4190.00	95.44
2.14	Other Waste (non recycled)	0.00	0.00	200.00	200.00	4.56	
2.15	TOTAL	870.00	100.00	3420.00	4290.00	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			
		Yes	No
5.01	On track with forecast?		
5.02	Issued to Project Manger	X	



ESTABLISHED 1875

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 3rd and 4th 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 2015 Ph: (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.

DEMOLITION PLUS

STRUCTURAL & STRIP OUT

Demolition Plus Variation Calculation Sheet

Job Name 154 Castlereagh St

Job No 2447

Client's Written Approval to
Complete Work

Client's Representative Ray Allan

Client's Company Total Image Interiors

Actual Location of the Works on Site

Description of Work Completed Removal and disposal of waste as requested

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

DEMOLITION PLUS

STRUCTURAL & STRIP OUT

Demolition Plus Variation Calculation Sheet

Job Name 154 Castlereagh St

Job No 2447

Client's Written Approval to
Complete Work

Client's Representative Ray Allan

Client's Company Total Image Interiors

Actual Location of the Works on Site

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

DEMOLITION PLUS

STRUCTURAL & STRIP OUT

Demolition Plus Variation Calculation Sheet

Job Name 154 Castlereagh St

Job No 2447

Client's Written Approval to Complete Work Fax

Client's Representative Ray Allan

Client's Company Total Image Interiors

Actual Location of the Works on Site

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

11th June 2008

PO Box 6466

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

South Sydney BC
Alexandria NSW 2015

Ph: (02) 9700 7122

Fax: (02) 9700 7433

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

Schiavello

11th February 2009

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

Att: Joe Karten

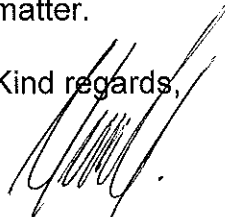
Re: GBCA FIT-OUT CONFIRMATION

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,



Adam Terrill
Senior Project Manager
Schiavello Project Interiors

