SANTERRA™
STONECRAFT

LEED ACCREDITATION FORMS

Material Classification

NORMAL (Heavy) WEIGHT

Class "A"

7885 Howard Ave., McGregor, ON, Canada N0R 1J0
Phone 519-726-5444 Toll Free 1-800-771-0658 Fax 519-726-5671

5115 Rhodes Dr. Windsor, ON, Canada N8N 2M1
Phone 519-944-7737 Toll Free 1-888-369-3449 Fax 519-944-0314

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SANTERRA
STONECRAFT

Date: _____

To: _____ Project Name: _____

Subject: Leed Accreditation Information

Product Name: Concrete Masonry Unit
Description: Normal (Heavy) Weight
CSA Specification: A165.1-04 (H/SS/FS)/15/A/M

Materials & Resources

Credit 4	Recycled Content	Bonding	1 Portland	11%
		11% of total materials	2 SCM	1.7%
		(% Post-Consumer + 1/2 Pre-Consumer)		
	Cement Reduction =	11.0 - (11.0 - 1.7) / 11.0 = 15.5%	Cement Reduction Factor	
			15.5% x 2 =	31.0%
		Aggregate	1 Limestone	0%
		89% of total materials	2 Screenings A	0%
		(post industrial)	3 Screenings B	0%
			4 Sand	0%
			Total Recycled	31.0%
		Other		N/A

Credit 5 Regional Materials

		Origin	Distance to end use Truck	Ship
Manufactured		McGregor Ont.	_____	N/A km.
Material Extraction	Bonding	1 St. Marys Ont.	243	- km.
		2 N/A		km.
	Aggregate	1 Drummond Island Mi.	17	476 km.
		2 Cedarville Mackinaw Mi.	17	513 km.
		3 Marblehead Oh.	17	153 km.
		4 Leamington Ont.	38	- km.

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Other Non-Descript

Sustainability

Durability - Even under severe use, concrete masnry units will remain pristine in both appearance and function. This translates to a near *zero maintenance cost* in the future.

Recyclable - Concrete Masonry Units are *100% recyclable* at the end of their intended use as they may be then used in supplement to many other manufactured concrete products.

Energy & Atmosphere

Thermal Retention - Manufactured concrete units possess the ablility to store heat or cold according to its environment there by *reducing both heating and cooling energy usage* and cost.

Sound Transmission - On average a 50db* sound transmission loss is realized by use of even a single wythe wall application and thus significantly *improving the work environment* by suppressing un-wanted sound emissions.

*Based on results provided by the National Research Council of Canada (NRC), Sound Transmission Loss of Masonry Walls.

Mold Growth - Concrete Masonry Units by nature of the materials used, mold has no opportunity to feed mold spores which provide for a much *healthier environment.*

Fire Resistance - Concrete Masonry Units have long been recognized as the premier product in terms of fire resistance materials. A single wythe wall assembly will provide a full fire stop (not just a partition) for 4.0+ hours dependent on size. This attribute translates into a *safer environment.*

Dennis Sauve CCMTT

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LEED ACCREDITATION FORMS

Material Classification

MEDIUM WEIGHT

Class "B"

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SANTERRA
STONECRAFT

Date: _____

To: _____ Project Name: _____

Subject: Leed Accreditation Information

Product Name: Concrete Masonry Unit
Description: Medium Weight
CSA Specification: A165.1-04 (H/SS/FS)/15/B/M

Materials & Resources

Credit 4 Recycled Content

Bonding: 11% of total materials
(% Post-Consumer + 1/2 Pre-Consumer)

1 Portland	11%
2 SCM	1.7%

Cement Reduction = $\frac{11.0 - (11.0 - 1.7)}{11.0}$ = 15.5%

Cement Reduction Factor
15.5% x 2 = 31.0%

Aggregate
89% of total materials
(post industrial)

1 Screenings B	0%
2	
3	
4	

Total Recycled 31.0%

Other N/A

Credit 5 Regional Materials

			Origin	Distance to end use Truck	Ship
Manufactured			McGregor Ont.	_____	N/A km.
Material Extraction	Bonding	1	St. Marys Ont.	243	- km.
		2	N/A		km.
	Aggregate	1	Marblehead Oh.	17	153 km.
		2			km.
		3			km.
		4			km.

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Other Non-Descript

Sustainability

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Recyclable - Concrete Masonry Units are *100% recyclable* at the end of their intended use as they may be then used in supplement to many other manufactured concrete products.

Energy & Atmosphere

Thermal Retention - Manufactured concrete units possess the ablility to store heat or cold according to its environment there by *reducing both heating and cooling energy usage* and cost.

Sound Transmission - On average a 50db* sound transmission loss is realized by use of even a single wythe wall application and thus significantly *improving the work environment* by suppressing un-wanted sound emissions.

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Mold Growth - Concrete Masonry Units by nature of the materials used, mold has no opportunity to feed mold spores which provide for a much *healthier environment.*

Fire Resistance - Concrete Masonry Units have long been recognized as the premier product in terms of fire resistance materials. A single wythe wall assembly will provide a full fire stop (not just a partition) for 4.0+ hours dependent on size. This attribute translates into a *safer environment.*

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LEED ACCREDITATION FORMS

Material Classification

LIGHTWEIGHT

Class "C"

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SANTERRA
STONECRAFT

Date: _____

To: _____ Project Name: _____

Subject: Leed Accreditation Information

Product Name: Concrete Masonry Unit
Description: Lightweight
CSA Specification: A165.1-04 (H/SS/FS)/15/C/M

Materials & Resources

Credit 4 Recycled Content

Bonding
11% of total materials
(% Post-Consumer + 1/2 Pre-Consumer)

1 Portland	11%
2 SCM	1.7%

Cement Reduction = $\frac{11.0 - (11.0 - 1.7)}{11.0} = 15.5\%$

Cement Reduction Factor
15.5% x 2 = 31.0%

Aggregate
89% of total materials
(post industrial)

1 Limestone	0%
2 Screenings B	0%
3 Expanded Slag	50%
4 Sand	0%
Total Recycled	81.0%

Other N/A

Credit 5 Regional Materials

		Origin	Distance to end use Truck	Ship
Manufactured		McGregor Ont.		N/A km.
Material Extraction	Bonding	1 St. Marys Ont.	243	km.
		2 N/A		km.
	Aggregate	1 Drummond Island Mi.	17	476 km.
		2 Marblehead Oh.	17	153 km.
		3 Hamilton Ont.	304	- km.
		4 Leamington Ont.	38	- km.

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Other Non-Descript

Sustainability

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Energy & Atmosphere

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Dennis Sauve CCMTT

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LEED ACCREDITATION FORMS

Material Classification

ULTRA LIGHTWEIGHT

Class "D"

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SANTERRA
STONECRAFT

Date: _____

To: _____ Project Name: _____

Subject: Leed Accreditation Information

Product Name: Concrete Masonry Unit
Description: Ultra Lightweight
CSA Specification: A165.1-04 (H/SS/FS)/15/D/M

Materials & Resources

Credit 4	Recycled Content	Bonding	1 Portland	11%
		11% of total materials	2 SCM	1.7%
	(% Post-Consumer + 1/2 Pre-Consumer)			
Cement Reduction =	$\frac{11.0 - (11.0 - 1.7)}{11.0}$ = 15.5%		Cement Reduction Factor 15.5% x 2 =	31.0%
		Aggregate	1 Expanded Slag	90%
		89% of total materials	2 Screening B	0%
		(post industrial)	3	
			4	
			Total Recycled	121.0%
	Other			N/A

Credit 5 Regional Materials

			Origin	Distance to end use Truck	Ship	
Manufactured			McGregor Ont.	_____	N/A	km.
Material Extraction	Bonding	1	St. Marys Ont.	243	-	km.
		2	N/A			km.
	Aggregate	1	Expanded Slag	304	-	km.
		2				km.
		3				km.
		4				km.

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