UBC Residential Environmental Assessment Program

Project Information

Developer: UBC Properties Trust
Architect: Raymond Letkemen Architects

Project Name: Lot 22

Neighbourhood: South Campus, Wesbrook

Lot No.: Lot 22 Street Address: TBD

Project Stage: Development Permit

UBC DP Reference No.: TBD

Date: Updated Jan 3, 2013

MANDATORY CREDITS	Max	Score	?
Sustainable Sites (SS M)	10	10	0
Water Efficiency (WE M)	6	6	0
Energy & Atmosphere (EA M)	19	19	0
Indoor Environmental Quality (IEQ M)	11	11	0
Construction (CON M)	8	8	0
Innovation & Design Process (ID M)	2	2	0
Subtotal	56	56	0
OPTIONAL CREDITS	Max	Score	?
Sustainable Sites (SS)	10	7	0
Water Efficiency (WE)	25	20	0
Energy & Atmosphere (EA)	50	32	0
Materials & Resources (MR)	27	15	0
Indoor Environmental Quality (IEQ)	7	7	0
Construction (CON)	4	2	0
Innovation & Design Process (ID)	21	21	0
Subtotal	144	104	0
TOTAL	200	160	160

REAP Rating: GOLD (140 - 169 pts)

66 - 79 pts Basic Compliance

80 – 109 pts Bronze

110 - 139 pts Silver

140 - 169 pts Gold

170 - 200 pts Platinum

DADT	ONE. M	MAIDATORY RESIGN CREDITS			
PART	ONE: MA	ANDATORY DESIGN CREDITS	10	Dair	alo.
		Performance Category: Sustainable Sites (SS) The intent of the Sustainable Sites category is to reduce the negative impacts of developments of the sustainable Sites (SS)		Poir	
			core:		lanitain the natural landscape, vegetation and environmental attributes of the
SS	M1	STORM WATER MANAGEMENT	JUIC.	10	
55		Storm Water Management Plan	2	2	
	1411.1	Develop a plan that integrates the on-site stormwater management system with the	_	_	Civil
		neighbourhood-wide stormwater management principles and strategies, including			OTVIII
		controlling of rate and/or quantity of run-off as required.			
SS	M2	NEW LANDSCAPING		_	
	M2.1	Adapted and Ecologically Sound Planting	2	2	
		Demonstrate that landscape design has minimized the need for pesticides and irrigation through the selection of adaptive and drought-tolerant plants and			Landscape
		consideration of the principles of Integrated Pest Management and xeriscaping.			
		3			
SS	M3	ALTERNATIVE TRANSPORTATION			
	M3.1	Bicycle Storage	2	2	
		Provide covered storage facilities for securing bicycles in accordance with the UBC			Architect
		Development Handbook.			
	M3.2	Contribution to Community Car Sharing	2	2	
		Contribute to the development of a community car-sharing network by funding the			Developer
		equivalent of one community vehicle per 100 residential units.			
SS	M4	LIGHT POLLUTION REDUCTION		<u> </u>	<u> </u>
	M4.1	Light Pollution Reduction	2	2	
		Do not exceed Illuminating Engineering Society of North America (IESNA) illuminance			Electrical
		requirements as stated in the Recommended Practice Manual: Lighting for Exterior			
		Environments.			
		Performance Category: Water Efficiency (WE)	6	Poir	nte
		The intent of the Water Efficiency category is to encourage strategies that reduce the a			
			core:		water accused the tanaccupe imgatter and building operations.
WE	M1	WATER EFFICIENT LANDSCAPING			
	M1.1	Efficient Irrigation Technology and Rainwater Use	2	2	
		Design and install a water-efficient irrigation system that includes an automated			Landscape
		controller, rain or soil sensors and pressure regulator and for non-grass areas use a			
		micro- or drip-feed irrigation or install a temporary irrigation system.			
WE	M2	WATER USE REDUCTION		_	
	M2.1	Low-Flush Toilets	2	2	Interior Provinces
		Specify and install low-flush or ultra low-flush toilets (max. 6 L per flush) for all water			Interior Designer
		closets.			
	M2.2	Low-Flow Faucet Aerators	2	2	
	IVIZ.Z	Specify and install low-flow faucets with aerators in all bathroom sinks (max. 3.8 L per	_	_	Interior Designer
		minute) and in all kitchen sinks (max. 6.8 L per minute).			Interior peoplifici
		,			

Performance Category: Energy & Atmosphere (EA)

The intent of the Energy & Atmosphere category are to reduce depletion of non-renewable energy resources and to reduce environmental impacts of their energy use,

Score: 19

		So	ore:	19	
EA	M1	MINIMUM ENERGY EFFICIENCY MEASURES			
Ī	M1.1	Minimum Roof Insulation	1	1	
		Design the roof assembly with a minimum insulation value of R-40 for buildings with attic space and R-28 for cathedral ceilings/flat roofs.			Architect
F	M1.2	Minimum Exterior Wall Insulation	1	1	
		Design the exterior building envelope with a minimum insulation value of R-22 for non-glazed areas.			Architect
	M1.3	Minimum Floor Insulation	1	1	
		Design floors above non-heated parkade areas with a minimum insulation value of R-30 for framed floors and R-14 for slab floors.			Architect
	M1.4	Energy Efficient Windows	4	4	
		Specify and install Energy Star-rated windows <i>or</i> windows with a maximum overall U-value of 0.35 for vinyl frames or 0.50 or less for aluminum frames.			Architect
=	M1.5	Minimum Furnace or Make-up Air Unit Efficiency	3	3	
		Specify and install furnaces and make-up air units with a minimum efficiency of 80%.			Mechanical
-	M1.6	Domestic Hot Water	2	2	
		Specify and install a gas DHW boiler with a minimum efficiency of 80% (mid-efficiency boiler) <i>or</i> electric DHW heaters with an Energy Factor of 0.90 or higher.			Mechanical
-	M1.7	Low-Flow Shower Heads	1	1	
		Specify and install water-saving showerheads with a maximum flow rate of 8.5 L per minute in each shower.			Interior Designer
	M1.8	Energy Star Appliances	2	2	
		Specify and install Energy Star-labelled dishwashers and refrigerators in each unit.			Interior Designer
-	M1.9	Energy Star Clothes Washer	1	1	
		Specify and install Energy Star-labelled clothes washers for each unit <i>or</i> if clothes washers are provided only as an option, specify and offer only Energy Star models.			Interior Designer
-	M1.10	Programmable Thermostats	2	2	
		Specify and install Energy Star-labelled programmable thermostats for at least the largest heating zone in each unit.			Electrical
ļ	M1.11	Common Area Lighting	1	1	
		Specify and install only non-incandescent lighting, such as fluorescent, compact fluorescent or LED, in common areas.			Electrical

		Performance Category: Indoor Environmental Quality (IEQ)		Poir	
		The intent of the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance in achievable and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is to provide guidance and the Indoor Environmental Quality category is the Indoor Environmental	ving e	enhai	nced indoor environmental quality through early design integration, the
		So	ore:	11	
IEQ	M1	LOW-EMITTING MATERIALS			
	M1.1	Adhesives and Sealants	3	3	
		Specify and use adhesives, sealants and sealant primers that do not exceed the VOC			Interior Designer
		limits of the Canadian Environmental Choice/EcoLogo program or do not exceed the			
		VOC limits specified in the State of California's South Coast Air Management District			
		Rule #1168.			
	M1.2	Paints	2	2	
		Specify and use paints and coatings that carry an EcoLogo label or those approved by			Interior Designer
		the Master Painter's Institute as having a minimum of MPI Environmental Level 2.			
	M1.3	Floor Coverings	2	2	
		Specify and install floor covering systems that do not exceed the Carpet and Rug			Interior Designer
		Institute Green Label Indoor Air Quality Test Program <i>or</i> that carry the Canadian			
		Environmental Choice/Ecologo certification.			
IEQ	M2	INDOOR AIR QUALITY		l .	
	M2.1	Ventilation Effectiveness	4	4	
		Prepare and implement an effective air management strategy that meets the			Mechanical
		requirements of CSA F326 or ASHRAE-62.			
		Performance Category: Construction (CON)	ρ	Poir	l nts
		The construction process can impose significant and lasting impact on the ecology of b			
			core:		e and beyond. The constitution deaths downsmodge and reward contractors
CON	M1.0	REDUCE SITE DISTURBANCE	,010.	•	
CON	M1.1	Staging and Construction	1	1	
	IVI I . I		1	'	O toto
		Prepare and implement a staging and construction plan, including alternate detour information and signage for pedestrians and cyclists.			Contractor
		illionnation and signage for pedestrians and cyclists.			
	114.0				
	M1.2	Vegetation Safeguards and Land-Clearing Debris	1	1	
		Prepare a site plan showing the sizes and locations of vegetation to be removed,			Developer
		retained and salvaged, including plants located on adjacent public rights-of-way (see			
		reference guide) and develop a plan to effectively handle debris from land clearing and divert it from landfill disposal.			
		and divert it from fandilli disposal.			
	M1 2	Truck Management Dian	1	1	
	M1.3	Truck Management Plan	1	1	Developer
		Prepare and implement a comprehensive truck management plan for the project that			Developer
		conforms to the UBC Strategic Transportation Plan and the Neighbourhood Plan Development Guidelines.			
		Development Guidelines.			
	N/1 /	Wheel Week	1	1	
	M1.4	Wheel Wash	1	1	
		Provide a wheel wash for vehicles leaving the site <i>or</i> a street cleaning program and			Developer
		catch basin protection.			
CON	M2	EROSION AND SEDIMENTATION CONTROL		,	
	M2.1	Erosion and Sedimentation Control	2	2	
		Prepare and implement a site sediment and erosion control plan that conforms to			Developer
		Best Management Practices Guide for Stormwater: Appendix H – Construction Site			
		Erosion and Sediment Control Guide (GVSⅅ, October 1999).			

CON	M3	CONSTRUCTION WASTE MANAGEMENT			
	M3.1	Waste Management Plan	2	2	
		Prepare and implement a waste management plan that diverts 75% (by weight) of			Contractor
		construction, demolition and land clearing waste from landfill.			
		Performance Category: Innovation & Design Process (ID)	2	Poin	its
		The intent of Innovation & Design Process category is to provide incentive and credit for	or gen	eral	design and other innovative practices that improve the overall sustainability
		Sc	core:	2	
ID	M1	INTEGRATED DESIGN PROCESS			
	M1.1	Goal-Setting Workshop	2	2	
		Hold a goal setting workshop including the developer, design consultants and			Developer
		contractor to review the Residential Environmental Assessment Program, set goals			
		for the project and assign responsibilities.			
PART	TWO: OI	PTIONAL DESIGN CREDITS			
		Performance Category: Sustainable Sites (SS)		Poin	
		The intent of the Sustainable Site category is to reduce the negative impacts of develop			intain the natural landscape, vegetation and environmental attributes of the
			core:	7	
SS	1	RECYCLING AND COMPOSTING			
	1.1	In-Suite Recycling and Compost Separation	1	1	
		Provide a space and system for simplified separation and collection of recycling and			Developer
		compostables in each suite or unit.			
	1.2	On-Site Composting Facilities	1	Χ	
		Designate space for compost collection at the building level <i>or</i> identify an appropriate			
		location on the Landscape Plan for future on-site composting.			
	1.3	Recycling Collection	3	3	
		Provide for collection of domestic paper, plastic, glass and metal recyclables by			Developer
		contracting with a waste management company for the service.			
	1.4	Off-Site Composting	2	2	
		Provide for collection of compost for delivery to a centralized composting facility.			Developer
SS	2	ALTERNATIVE TRANSPORTATION			
	2.1	Alternative Fuel Vehicles	1	1	
		For every eighty parking stalls, or fraction thereof, designate two parking stalls for use			Architect
		,			
		station for every two parking stalls designated for alternatively-fuelled vehicles.			
	2.2	Community Car Sharing Vehicle	2	Χ	
		Provide a new vehicle and parking space to a community car-sharing network that is			
		to be parked on-site. This is over and above the requirement of SS M3.2.			
SS	2 2.1	ALTERNATIVE TRANSPORTATION Alternative Fuel Vehicles For every eighty parking stalls, or fraction thereof, designate two parking stalls for use by alternatively-fuelled vehicles and provide electrical service suitable for a charging station for every two parking stalls designated for alternatively-fuelled vehicles. Community Car Sharing Vehicle			

Performance Category: Water Efficiency (WE)	25 Points	Ì
The intent of the Water Efficiency category is to encourage strated	pies that reduce the amount of potable water used for landscape irrigation and building operations.	

Score: 20 WE 1 WATER EFFICIENT LANDSCAPING Reduce Potable Water Use 1.1 3 Reduce potable water use for site irrigation needs by 50%. Landscape Eliminate Potable Water Use 5 Х Eliminate potable water use for site irrigation needs. WATER USE REDUCTION WE 2 2.1 **Dual-Flush Toilets** Specify and install ultra low-flow toilets (max. 4 L per flush) or dual-flush toilets (max. Interior Designer 6 L & 3 L per flush) for all water closets. Water Efficient Dishwasher 3 3 Specify and install water-efficient dishwashers that use less than 20 L per normal Interior Designer wash cycle. Water Efficient Clothes Washer 2.3 3 3 Specify and install water-saving clothes washers with a maximum water consumption Interior Designer of 62 L per standard cycle or if washers are available only as an option, offer only compliant water-saving models. 3 3 Comprehensive Water Use Reduction Package Additional credit for achieving all credits from WE 2.1 to WE 2.3. Developer WE WATER METERING 3 Hot Water metering 3 In units with central hot water, provide individual hot water metering. Mechanical 3.2 Cold-Water metering 2 2 Provide for individual cold water meters for all units. Mechanical

Score: 32

- A I			ore:	JZ			
EA	1	BASIC ENERGY EFFICIENCY MEASURES					
	1.1	Roof Insulation Design the roof assembly with a minimum insulation value of R-60 for buildings with attic space and R-40 for cathedral ceilings/flat roofs.	1	1	Architect		
	1.2	Exterior Wall Insulation Design exterior building envelope with a minimum insulation value of R-28 for non- glazed areas.	1	1			
	1.3	Energy Star Windows Specify and install Energy Star-rated windows with a maximum overall U-value of 0.31 for vinyl frames or 0.46 for aluminum frames.	2	2	Architect		
_	1.4	Furnace or Make-Up Air Unit Efficiency Specify and install furnaces and make-up air units with a minimum efficiency of 85%.	2	2	Mechanical		
	1.5	Domestic Hot Water Specify and install a modulating DHW gas boiler with a minimum efficiency of 85% (mid-efficiency boiler) <i>or</i> electric DHW heaters with an Energy Factor of 0.94 or higher.	2	2	Mechanical		
	1.6	Boiler Management System Install and implement a boiler management system to match the boiler operation to the building loads and optimize the boiler controls for maximum energy savings or specify electric DHW heaters with an Energy Factor of 0.96 or higher.	2	2	Mechanical		
_	1.7	Low-Flow Shower Heads Specify and install low-flow showerheads (max. 5.7 L per minute) in each unit.	2	2	Interior Designer		
	1.8	Compact Fluorescent Lights Specify and install compact fluorescent lamps for lighting of in-suite circulation areas such as corridors, entries, landings, etc.	2	2	Electrical		
	1.9	Occupancy Sensors for Parkade Lighting Install occupancy sensors for lighting over parking areas of the parkade. Lighting over the drive-aisle and exits, as well as other emergency or security lighting should remain unswitched.	2	2	Electrical		
	1.10	Bundle Bonus (25% < MNECB) Achieve credits EA 1.1 to EA 1.9, which is roughly equivalent to reducing energy use by 25% below the <i>Model National Energy Code for Buildings or</i> demonstrate equivalent achievement with energy modeling (see <i>Note</i> on page 44 of the REAP Reference Guide).	3	3	Developer		
EA	2 2.1	ADDITIONAL ENERGY EFFICIENCY MEASURES Minimum Floor Insulation Design floors above non-heated parkade areas with a minimum insulation value of R-42 for framed floors and R-20 for slab floors.	1	1	Architect		

			-		
	2.2	High-Performance Energy Star Windows	2	2	
		Specify and install Energy Star-rated windows with a maximum overall U-value of 0.26			Architect
		for vinyl frames or 0.42 for aluminum frames.			
				.,	
	2.3	Heat Recovery System	2	Х	
		Design and install a heat recovery system with a minimum 50% overall effectiveness.			
	2.4	Geoexchange DHW Heating System	5	5	District Energy?
		Design and install a geoexchange DHW heating system to supply a minimum of 25%			
		of the peak DHW heating load and 70% of the total DHW energy load.			
		D		.,	
	2.5	Bundle Bonus (40% < MNECB)	3	Х	
		If Credit EA 1.10 (25% < MNECB) has been achieved, this credit is available for also			
		achieving credits EA 2.1 to EA 2.4, which is roughly equivalent to reducing energy use by 40% below the <i>Model National Energy Code for Buildings or</i> demonstrate			
		equivalent performance with energy modeling (see <i>Note</i> on page 44 of the REAP			
		Reference Guide).			
EA	3	ADVANCED ENERGY EFFICIENCY MEASURES	l	1	
	3.1	Domestic Hot Water	2	2	
		Specify and install a condensing DHW gas boiler with a minimum efficiency of 92%			Mechanical
		(high-efficiency boiler) or electric DHW heaters with an Energy Factor of 1.00 or			
		higher.			
	3.2	Advanced Energy Performance (50% < MNECB)	5	Χ	
		Demonstrate that energy use is 50% below the Model National Energy Code for			
		Buildings .			
EA	4	ENERGY METERING			
	4.1	Gas Sub-Metering	2	X	
		Provide separate metering for measuring natural gas consumption in individual units.			
EA	5	RENEWABLE ENERGY			
	5.1	Solar Access Study	1	1	
		Undertake shading and solar access studies to evaluate the potential for the			
		installation or retrofit of solar energy collection systems.			
	5.2	Future Solar Technologies	2	2	
		Pre-plumb buildings for future adoption of solar hot water or photovoltaic technologies.			
	5.3	Install Solar Technologies	3	Χ	
		Utilize solar technologies such as photovoltaic panels or solar domestic hot water			
		heating systems.			
	5.4	Green Power Certificates	3	Χ	
		Contract with BC Hydro to purchase Green Power Certificates equivalent to the			
		electricity use of the building for the first two years following occupancy.			
		1			1

Pe	erformance Category: Materials & Resources (MR)	27	Points
Th	ne intent of the Materials & Resources category is to encourage design strategies that	redu	ce and reuse material resources, reduce construction waste, and to select

Score: 15 MR RECYCLED CONTENT AND REUSED MATERIALS Reused Building Materials Use salvaged, refurbished, or reused materials for at least 5% of the total cost of building materials. Reused Building Materials 3 Χ Use salvaged, refurbished, or reused materials for at least 10% of the total cost of building materials. Recycled Content Materials Specify and use building materials with the following recycled content levels (one point per recycled material, with a bonus 10th point for including all nine materials). Y/N Contractor □ Common area carpet with minimum 25% recycled content Contractor Y/N ☐ Dimensional wall lumber with minimum 75% recycled content Contractor Y/N ☐ Drywall with minimum 15% recycled content Υ Contractor ☐ Batt insulation with minimum 40% recycled content Contractor Y/N ☐ Doors contain minimum 15% recycled material Contractor Y/N Υ ☐ Concrete with min. 20% fly ash content, excluding suspended slabs Contractor Υ □ Concrete with min. 40% fly ash content, excluding suspended slabs Y/N Contractor ☐ Cabinetry with minimum 20% recycled content Contractor Y/N ☐ MDF products with minimum 50% recycled content MR 2 REGIONAL MATERIALS Regionally Manufactured Building Materials 2.1 2 Use a minimum of 20% (by value) of building materials and products that are Contractor manufactured within a radius of 800 km (500 miles). Regionally Sourced Building Materials 2 Χ Of the materials from Credit MR 2.1, use a minimum of 50% (by value) of building materials and products that are extracted, harvested or recovered (as well as manufactured) within a radius of 800 km (500 miles). MR CERTIFIED AND NON-ENDANGERED FOREST PRODUCTS 3 Dimensional Lumber 3 Demonstrate that a minimum of 50% of the total value of dimensional lumber is Contractor certified in accordance with either the Forest Stewardship Council (FSC) or the Canadian Standards Association Z809 (CSA). Plywood 3.2 2 X Demonstrate that a minimum of 50% of the total value of plywood used is certified in accordance with either the Forest Stewardship Council (FSC) or the Canadian Standards Association Z809 (CSA). Renewable Hardwood Floors

Specify and install bamboo floors *or* hardwood floors certified in accordance with the Forest Stewardship Council or CSA Z809. If floors are offered only as an option, specify and offer only bamboo *or* renewable products with third-party certification.

		Performance Category: Indoor Environmental Quality (IEQ) 7 Points					
		The intent of the Indoor Environmental Quality category is to achieve enhanced indoor	envir	onme	ental quality through the thoughtful selection and application of materials and		
		Sc	ore:	7			
IEQ	1	LOW-EMITTING MATERIALS					
	1.1	Low VOC Paints	3	3			
		Specify and use paints approved by the Master Painter's Institute as having a			Interior Designer		
		minimum of MPI Environmental Level 3.					
-	1.2	Urea Formaldehyde-Free Cabinetry	2	2			
	1.2	Specify and install interior cabinetry doors and boxes that are urea formaldehyde-free.	_	_	Interior Designer		
		Specify and install interior cabinetry doors and boxes that are drea formaldenyde-nee.			interior Designer		
-	10	W 5 H 1 5 0 " W 10 1 1	•	•			
	1.3	Urea Formaldehyde-Free Composite Wood Products	2	2			
		Specify and install interior composite wood products, such as flooring, doors, trim,			Interior Designer		
		etc., that are urea formaldehyde-free.					
		Performance Category: Construction (CON)	4	Poir	nts		
		The construction process can impose significant and lasting impact on the ecology of b	oth th	ne site	e and beyond. The Construction credits acknowledge and reward contractors		
		Sc	ore:	2			
CON	1	CONSTRUCTION IAQ MANAGEMENT PLAN					
	1.1	Indoor Air Quality Management Plan	2	2			
		Prepare and implement an Indoor Air Quality (IAQ) Management Plan for the			Contractor		
		construction and pre-occupancy phases of the building.					
-	1.2	Flushout	2	Х			
		Conduct a minimum two-week continuous building flushout with new filtration media at	_	^			
		100% outside air after construction ends and prior to occupancy <i>or</i> conduct a					
		baseline indoor air quality test.					
		Performance Category: Innovation & Design Process (ID)	21	Poir	ate.		
		The intent of the Innovation & Design Process category is to provide incentive and cred	ore:	-	stat design and other innovative practices that improve the overall		
ID	1		ore:	21			
ID		INTEGRATED DESIGN	•	•			
		Green Building Specialist	2	2			
		Engage an expert in green buildings and sustainable construction practices to provide					
		advice on effective green building strategies to the design team.					
	1.2	Energy Performance Screening	1	1			
		Utilize Natural Resource Canada's online CBIP screening tool			Developer		
		(http://cbipscreen.nrcan.gc.ca/) to determine the general energy performance of the					
		building design.					
-	1.3	Energy Modeling Workshop	2	2			
		Model the energy performance of the building and hold a workshop with the design			Developer		
		team and contractor to evaluate the results and optimize the design of the building.			201010001		
		gg					
ID	2	UNIVERSAL DESIGN					
טו			1	1			
		Design for Safety and Accessibility	1	'	Arabitant		
		Demonstrate that at least 25% of the units in the building have been designed to meet			Architect		
		the SAFERhome standards (http://www.saferhomesociety.com/), which address issues of accessibility, children's safety, seniors and aging in place.					
		noodes of accessionity, criminal so salety, scritters and aging in place.					
		1	l .	i	1		

esign for Security and Crime Prevention emonstrate that the design has been reviewed by an accredited Crime Prevention irrough Environmental Design (CPTED) practitioner ttp://www.designcentreforcpted.org/). ARKET TRANSFORMATION ducate the Sales Staff	2	2	Architect
nrough Environmental Design (CPTED) practitioner ttp://www.designcentreforcpted.org/). ARKET TRANSFORMATION			Architect
ttp://www.designcentreforcpted.org/).			
ARKET TRANSFORMATION			
ducate the Sales Staff			l
ducate the Sales Stall	1	1	
evelop marketing materials based on the environmental performance of the project			Developer
d ensure the sales staff is aware of and knowledgeable about the green building			
atures.			
ducate the Homeowner	1	1	
evelop a homeowner's manual that describes all of the sustainable features of the			Developer
oject.			
CADEMIC LINKS			
nhance Research or Further Student Development	5	5	
ollaborate with UBC students and/or faculty on a research project or other			Developer
e community.			
NOVATIVE DESIGN			
novative Design or Exemplary Achievement	2	2	
emonstrate exceptional performance above the requirements set by one of the			
dressed by any of the existing credits.			
novative Design or Evennlary Achievement	2	2	
	_	_	
Idressed by any of the existing credits.			
, , ,			
novative Design or Exemplary Achievement	2	2	
emonstrate exceptional performance above the requirements set by one of the			
isting credits \emph{or} the implementation of an innovative design strategy not specifically			
dressed by any of the existing credits.			
a de Concepte of the entire of	tures. Turcate the Homeowner To velop a homeowner's manual that describes all of the sustainable features of the ject. TADEMIC LINKS Thance Research or Further Student Development That the continuities to enhance the academic mission of the University and integrate it with community. TOVATIVE DESIGN TOVATIVE DESIGN TOVATIVE DESIGN TOVATIVE OF THE IMPLEMENTATION OF ACHIEVEMENT THE MOVATIVE OF THE IMPLEMENTATION OF ACHIEVEMENT TO STATE OF THE IMPLEMENTATION OF THE STREET OF THE	tures. Tures to the Homeowner success and the sustainable features of the specifically dressed by any of the existing credits or the implementation of an innovative design strategy not specifically string credits or the implementation of an innovative design strategy not specifically dressed by any of the existing credits.	tures. Turcate the Homeowner Turcher Student Development Table Students and/or faculty on a research project or other contunities to enhance the academic mission of the University and integrate it with community. TOVATIVE DESIGN TOVATIVE D