



 **CASCADIA**
REGION GREEN BUILDING COUNCIL

with the
BC Heritage Branch

Green Rehabilitation and Sustainability Forum – Vancouver
field exercise – Flack Block | Tides Renewal Centre


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 Penner & Associates
Interior Design Inc



Cascadia GBC | BC Heritage Branch
Field Exercise

Presentation Outline

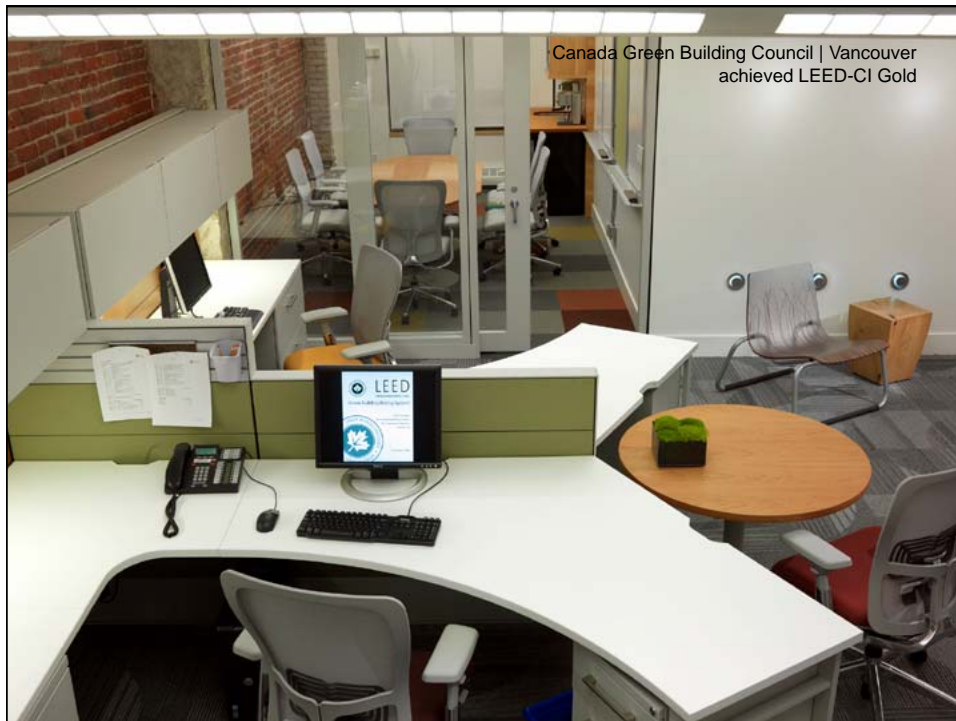
- LEED® Projects
- Tides Renewal Centre Overview
- LEED Canada-CI Scorecard
- Strategies

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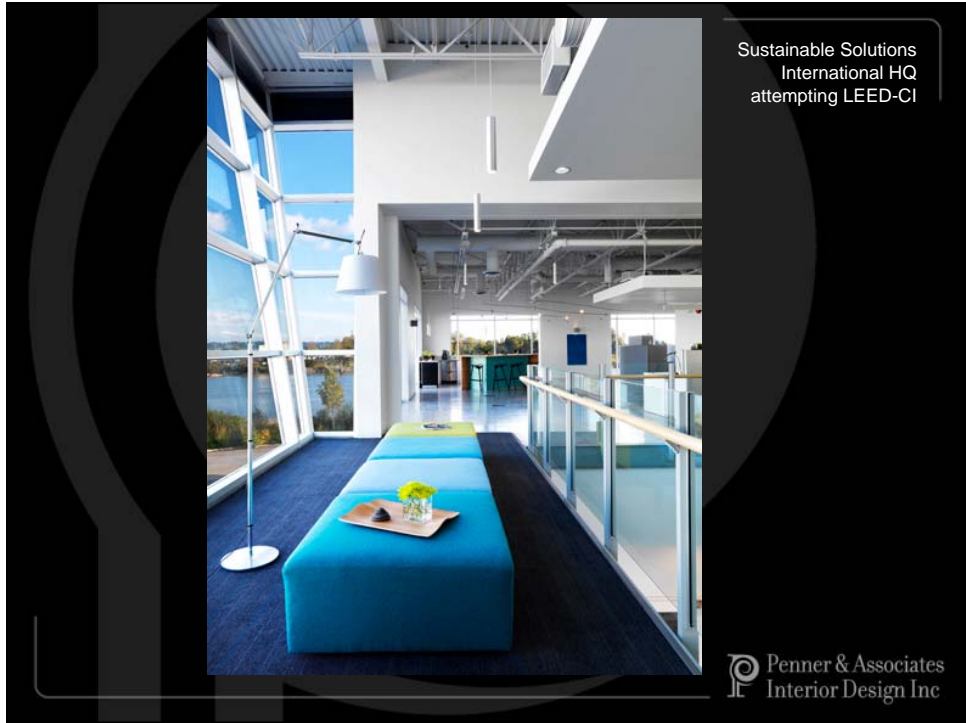
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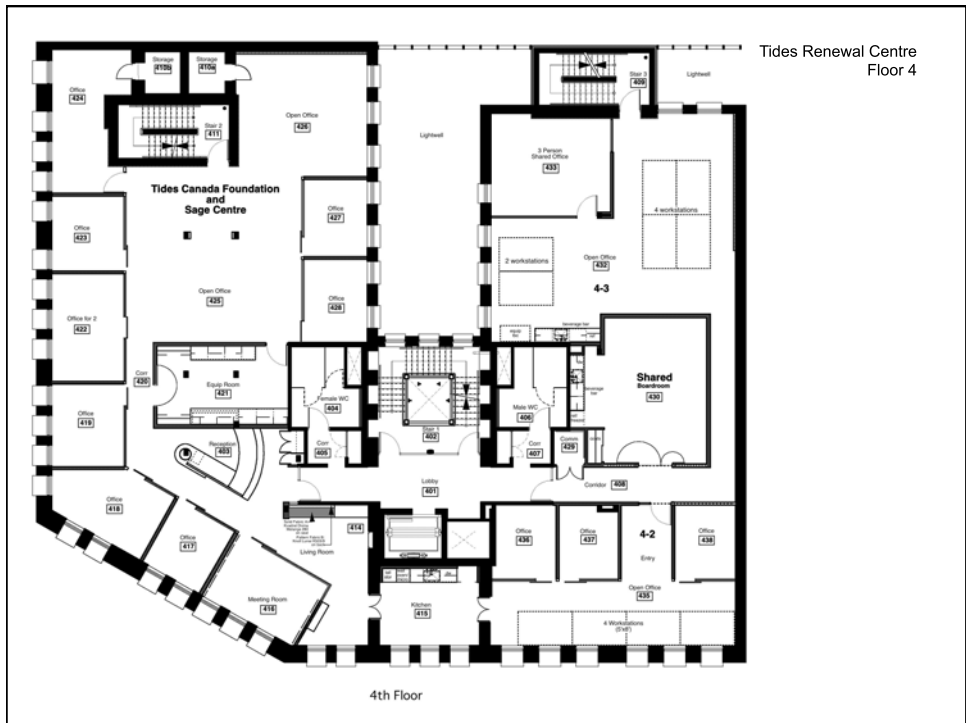
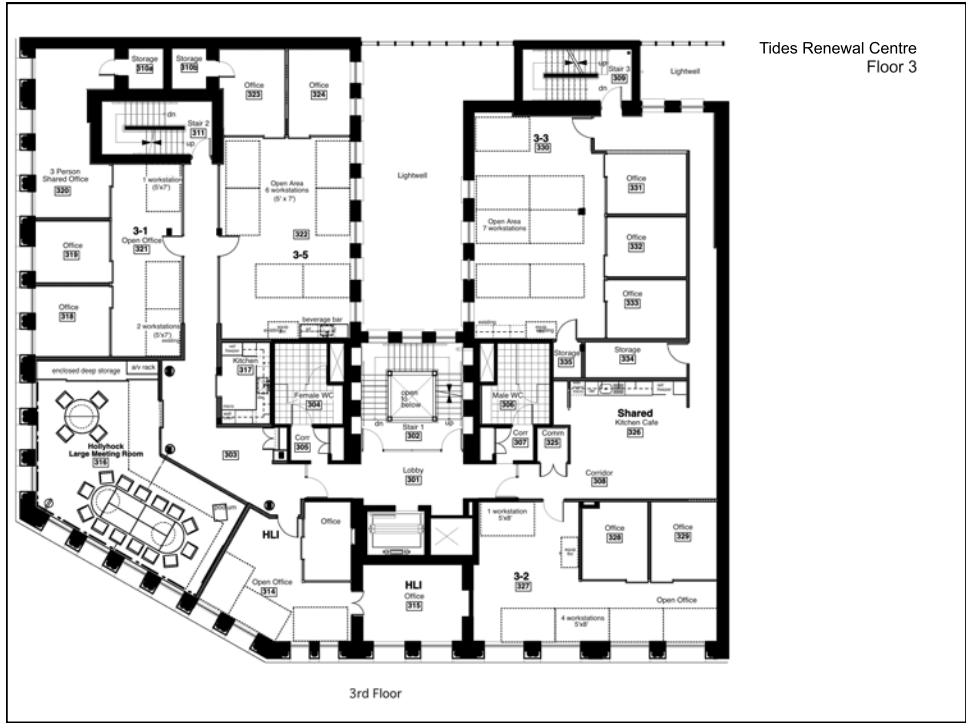
LEED Projects

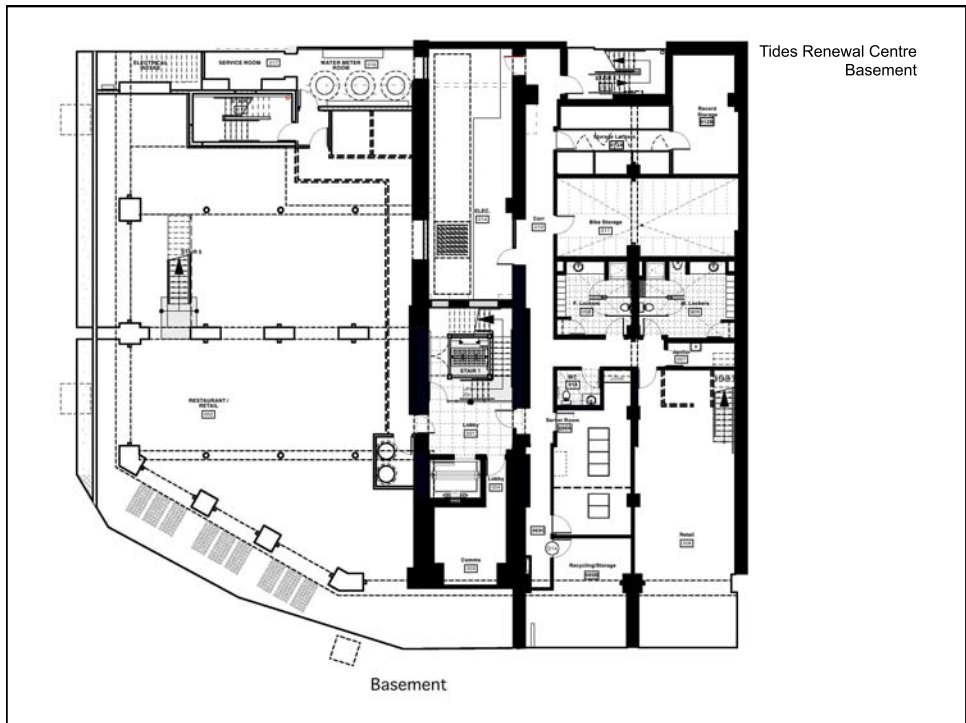
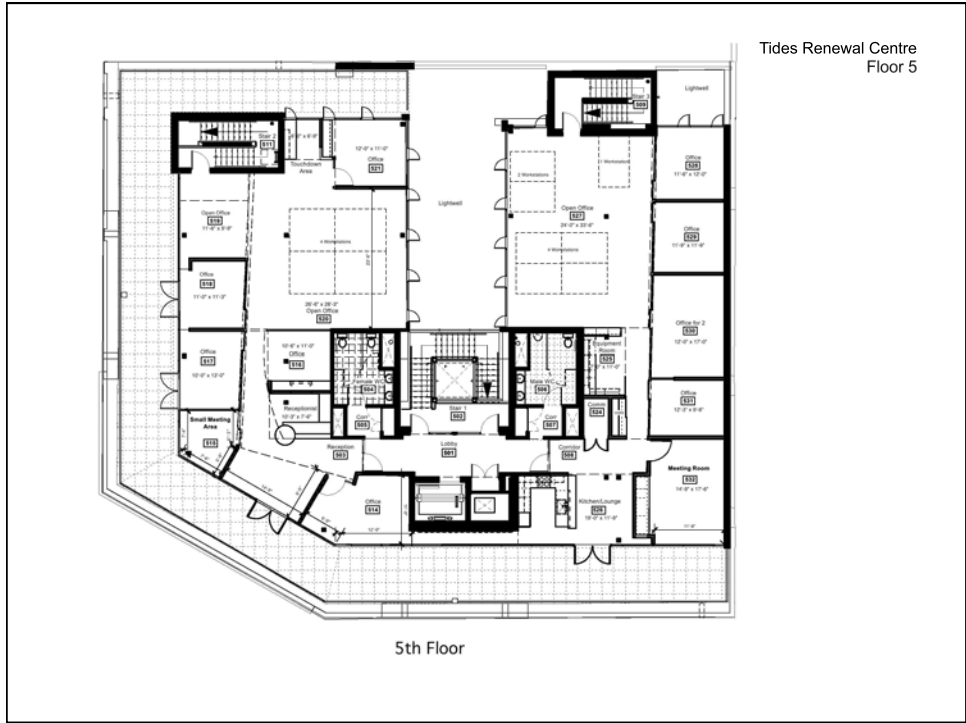
- Canada Green Building Council | Vancouver
- VANOC 2010 Offices | Vancouver
- Vento | Calgary
- Sustainable Solutions International HQ | Burnaby
- Tides Renewal Centre | Vancouver











LEED Canada-CI Category

Sustainable Sites (SS)

LEED Canada-CI Scorecard		RETS			
Sustainable Sites Credits	Possible Points	YES	?	NO	
		SSc1	Site Selection		
	Select a LEED Certified Building	3			
	Or locate tenant space in a bldg w following characteristics				
A	Brownfield Redevelopment	1/2			
B	Stormwater Management: Rate & Qty	1/2			
C	Stormwater Management: Treatment	1/2			
D	Heat Island Reduction, Non-Roof	1/2			
E	Heat Island Reduction, Roof	1/2			
F	Light Pollution Reduction	1/2			
G	Water Efficient Irrigation, Reduce by 50%	1/2			
H	Water Efficient Irrigation, No Potable Use or No Irrigation	1/2			
I	Innovative Wastewater Technologies	1/2			
J	Water Use Reduction, 20% Reduction	1/2	1/2		
K	Onsite Renewable Energy	1/2 to 1			
L	Other Quantifiable Environmental Performance	up to 3	1/2		
SSc2	Development Density and Community Connectivity	1	1		
SSc3.1	Alternative Transportation, Public Transportation Access	1	1		
SSc3.2	Alternative Transportation, Bicycle Storage & Changing Rooms	1	1		
SSc3.3	Alternative Transportation, Parking Availability	1	1		
Total Possible Points		7	5	0	2

LEED Canada-CI Category

Water Efficiency (WE)

LEED Canada-CI Scorecard		RETS			
Water Efficiency Credits	Possible Points	YES	?	NO	
		WEc1.1	Water Use Reduction, 20% Reduction	1	1
WEc1.2	Water Use Reduction, 30% Reduction	1	1		
Total Possible Points		2	2	0	0

LEED Canada-CI Category

Energy & Atmosphere (EA)

LEED Canada-CI Scorecard		RETS				
Energy & Atmosphere Credits	Possible Points	YES	?	NO		
EAp1	Fundamental Commissioning	Required				
EAp2	Minimum Energy Performance	Required				
EAp3	CFC Reduction in HVAC&R Equipment	Required				
EAc1.1	Optimize Energy Performance, Lighting Power, 15% reduction	3	1			
	Optimize Energy Performance, Lighting Power, 25%/35% reduction					2
EAc1.2	Optimize Energy Performance, Lighting Controls	1	1			
EAc1.3	Optimize Energy Performance, HVAC	2	2			
EAc1.4	Optimize Energy Performance, Equipment and Appliances	2	2			
EAc2	Enhanced Commissioning	1			1	
EAc3	Energy Use, Measurement	1			1	
EAc3	Energy Use, Payment Accountability	1	1			
EAc4	Green Power	1	1			
Total Possible Points		12	8	2		2

LEED Canada-CI Category

Materials & Resources (MR)

LEED Canada-CI Scorecard		RETS				
Materials & Resources Credits	Possible Points	YES	?	NO		
MRp1	Storage and Collection of Recyclables	Required				
MRc1.1	Tenant Space, Long Term Commitment	1	1			
MRc1.2	Building Reuse, Maintain 40% of Interior Non-Structural Components	1				1
MRc1.3	Building Reuse, Maintain 60% of Interior Non-Structural Components	1				1
MRc2.1	Construction Waste Management, Divert 50% From Landfill	1	1			
MRc2.2	Construction Waste Management, Divert 75% From Landfill	1	1			
MRc3.1	Resource Reuse, 5%	1				1
MRc3.2	Resource Reuse, 10%	1				1
MRc3.3	Resource Reuse, 30% Furniture	1			1	
MRc4.1	Recycled Content, 10% (post-consumer + 1/2 pre-consumer)	1	1			
MRc4.2	Recycled Content, 20% (post-consumer + 1/2 pre-consumer)	1	1			
MRc5.1	Regional Materials, 20% Manufactured Regionally	1	1			
MRc5.2	Regional Materials, 10% Extracted and Manufactured Regionally	1			1	
MRc6	Rapidly Renewable Materials	1				1
MRc7	Certified Wood	1				
Total Possible Points		14	6	3		5

LEED Canada-CI Category

Indoor Environmental Quality (EQ)

LEED Canada-CI Scorecard		RETS			
Indoor Environmental Quality Credits		Possible Points	YES	?	NO
EQp1	Minimum IAQ Performance	Required			
	Environmental Tobacco Smoke (ETS) Control	Required			
EQp2					
EQc1	Outdoor Air Delivery Monitoring	1	1		
EQc2	Increased Ventilation	1		1	
EQc3.1	Construction IAQ Mgmt Plan, During Construction	1	1		
EQc3.2	Construction IAQ Mgmt Plan, Before Occupancy (Opt A IAQ Flush-out Procedure)	1	1		
EQc4.1	Low-Emitting Materials, Adhesives & Sealants	1	1		
EQc4.2	Low-Emitting Materials, Paints & Coatings	1	1		
EQc4.3	Low-Emitting Materials, Carpet Systems	1	1		
EQc4.4	Low-Emitting Materials, Composite Wood and Laminate Adhesives	1	1		
EQc4.5	Low-Emitting Materials, Systems Furniture and Seating	1	1		
EQc5	Indoor Chemical Pollutant Source Control	1			1
EQc6.1	Controllability of Systems, Lighting	1	1		
EQc6.2	Controllability of Systems, Temperature and Ventilation	1			1
EQc7.1	Thermal Comfort, Compliance	1	1		
EQc7.2	Thermal Comfort, Monitoring	1		1	
EQc8.1	Daylight and Views, Daylight 75% of Spaces	1	1		
EQc8.2	Daylight and Views, Daylight 90% of Spaces	1		1	
EQc8.3	Daylight and Views, Views for 90% of Seated Spaces	1			1
Total Possible Points		17	11	3	3

LEED Canada-CI Category

Innovation & Design Process (ID)

LEED Canada-CI Scorecard		RETS			
Innovation & Design Process Credits		Possible Points	YES	?	NO
IDc1.1	Innovation in Design	1	1		
IDc1.2	Innovation in Design	1	1		
IDc1.3	Innovation in Design	1	1		
IDc1.4	Innovation in Design	1		1	
IDc2	LEED Accredited Professional	1	1		
Total Possible Points		5	4	1	0

