Laurie Landy

Willis Canada Inc.

1500 - 1095 West Pender Street

Vancouver, BC, V6E 2M6

PROJECT 1788.188

Viridian Green

DATE June 29, 2011

FAX: (604) 683-5746

REGARDING 1788.188 - Viridian Green, 3507 - 3533 West 4th at Collingwood, Vancouver, BC Post Construction Review for Warranty

Dear Ms. Landy:

At your request, we are writing to provide you with a summary of our post-construction review of the above noted project.

The following comments and information are provided within the same context as our initial risk review for the project.

We have also attached an appendix to this report that contains copies of photographs that we took during our visit of the project. Except where specifically referenced in the report, the photos are simply documentation of the areas reviewed.

Please note that a claims file is open on this project and a number of substantive issues have been identified by VVV Engineering Ltd. in their report to Strata Plan BCS 3187, dated August 30, 2010. Although meetings have been attended, and the issues in the VVV report discussed, the strata reports that no work has been performed at the property to address the issues.

1.0 Post Construction Information

Project Address:	3507 - 3533 West 4th at Collingwood, Vancouver, BC			
Date of Visit:				6/27/201
Attendance for Post C	Construction Review			
Company		Contact	Phone	Fax
RDH Building Enginee	ring	Harvey Goodman, P.Eng. BEP	(250) 703-4753	(250) 703-4754
Strata Plan BCS3187		Mark Harrison		
Strata Plan BCS3187		Racheal Wong		
Strataco Management	t Ltd.	Carey Grandy	(604) 294-4141	(604) 294-8956
Consultant:	Morrison Hershfield	Co	ontact: Jamie A. McK	ay
	#610 - 3585 Graveley S	treet I	Phone: (604) 454-04	02
	Vancouver, BC, V5K 5J5	;	Fax: (604) 454-04	03
		i	E-Mail: jmckay@moi	risonhershfield.co
Consultant:	W T Leung Architects Lt	td. Co	ontact: Konning Tam	
	300, 973 West Broadw	ay F	Phone: (604) 736-97	11
	Vancouver, BC, V5Z 1K	3	Fax: (604) 736-79	91
		E	E-Mail:	

General Contractor:	Cape Construction (2001) Ltd.	Contact: Kirk Yuen
	633 - 9560 No. 6 Road	Phone: (604) 278-0912
	Richmond, BC, V6V 1Z1	Fax: (604) 278-4628
		E-Mail: yuen@cape-construction.com
Developer:	Larc Developments (Collingwood) Ltd.	Contact: David Mooney
	4401 Woodpark Road	Phone: (604) 730-0191
	West Vancouver, BC,	Fax: (604) 730-0189
		E-Mail: mooneyjdoo7@gmail.com
Owner:	Strataco Management Ltd.	Contact: Carey Grandy
	101 - 4126 Norland Ave.	Phone: (604) 294-4141
	Burnaby, BC, V5G 3S8	Fax: (604) 294-8956
		E-Mail: managers@stratacomgmt.com
Owner:	Strata Plan BCS3187	Contact: Racheal Wong
	4th & Collingwood	Phone:
	Vancouver, BC,	Fax:
		E-Mail: corpadmin@hylouie.com
Owner:	Strata Plan BCS3187	Contact: Mark Harrison
	4th & Collingwood	Phone:
	Vancouver, BC,	Fax:
		E-Mail:

2.0 Confirmation of Warranty Information

Willis Warranty Duration	
2 Year Labour and Material	
10 Year Water Penetration	
10 Year Structural	

3.0 Basic Description of Areas Covered, Specifically Excluded and Deductibles

New construction of a multi-unit, residential, low-rise building with commercial space at the ground floor over a below-grade parking garage. We assume that the following assemblies are excluded from mandatory warranty coverage:

• All commercial and retail areas of the ground floor and parking garage areas of level P1.

4.0 Post Construction Review Content

The post construction review included a discussion with the attending owner representatives prior to a brief visual review of the building in order to identify any on going concerns related to the building envelope assemblies.

In addition, our scope was to include a review of the tasks identified within the maintenance and renewal plan (MRP). Further we were to discuss the overall strategies of the MRP with the owner representatives and note whether the owners are utilizing the schedules and checklists with respect to both routine maintenance and renewals activities.

Finally, a visual assessment of the envelope components was conducted in order to determine if there was any evidence of moisture related problems. The following table summarizes our observations:

evidence of moisture related problems. The following table summarizes our observations:	
Reviewed tasks identified during the Risk Review	
- Discussed the outstanding issues identified in the August 30, 2010 VVV Report. None have been addressed.	
Owners have an understanding of the strategies of the plan	
 - An MRP has not been developed for this property. - An explanation was given to the owner representatives of the inclusions in a typical MRP. 	

Evidence that owners are utilizing the plans checklists and schedules

 Visual observation of the property reveals that basic maintenance is generally being performed, however, it is not being guided by a project specific MRP.

Discussed Maintenance and Renewals plan with owner representative(s)

- The importance of performing, and documenting, maintenance and renewals work was stressed. That work needs to be guided by an MRP prepared by the project's builder and consultants on behalf of the developer.

Visual Observations Components	Condition Observed	Evidence of Potential Problem	Comment
Walls			
Fibre Cement Board and Brick Clad Walls	Yes	Yes	The owner representatives reported deterioration problems with fibre cement board cladding. Portions of the fibre cement board cladding are a James Hardie product. A James Hardie representative reviewed the installation. No remedial work has been performed to date.
			A dryer vent hood was observed to be plugged, Photo 8. The strata representatives were advised that the frequency of dryer vent cleaning should be increased.
			Items on the VVV Engineering report need to be addressed.
Exposed concrete	Yes	Yes	We had identified exposed concrete as a risk in our initial risk review and had been advised that there was no exposed concrete except at property-line walls. In fact, there are considerable areas of exposed concrete, not appropriately protected according to the Willis protocol. In some areas there are cracks in the exposed concrete including at sloped copings at window sills, Photo 8. The cracks should be a addressed.
Windows			
	Yes	Yes	Items on the VVV Engineering report need to be addressed. A cracked window wall panel needs to be replaced. The cause
2	·		of the problem should be investigated.
Doors	Yes	Yes	Some exterior residential doors at the complex are difficult to latch. Unlatched doors can result in air leakage and water ingress.
Balconies			
	Yes	Yes	The strata representatives reported that the planter at Unit 217 leaked into the unit's interior, Photo 17 is of a similar planter. It is uncertain whether the problem was unique to that location, or is systemic. A report on this issue is required.
Decks			

	Yes	Yes	Many of the deck paver joints are quite tight and easily clogged with debris, Photo 21. It is uncertain whether the deck assembly complies with the design drawings and Risk Review recommendations. Decks that are not appropriately maintainable may facilitate water ingress problems.
			Past leakage has been associated with planter and / or podium waterproofing. Leakage into the retail space has been remediated by the retail space strata lot owner. To assist in identifying whether the problems were unique to each location, or are systemic, the retail space strata lot owner should forward information on what they found and how the problems were remediated.
			Current leakage is observable in the parkade, Photo 22 and at two locations adjacent to the north-east exterior exit stair, Photos 23 and 24.
			Current leakage is also apparent at a number of suspended slab to upstand walls joints, Photos 25, 26, and 27.
Roofs			
	Yes	Yes	Items on the VVV Engineering report need to be addressed.
Parkade Membranes			
	Yes	Yes	Leakage, or signs of leakage, was observed in the electrical room (Photo 29) and the above the car access ramp to IGA parking (Photo 30).
			Items on the VVV Engineering report need to be addressed.

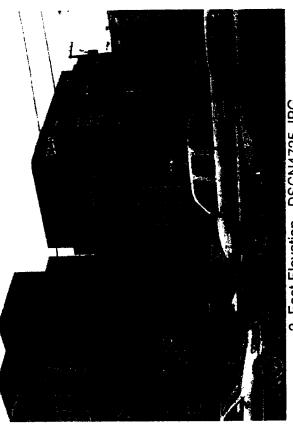
5.0 Key Factors in Post Construction review

Key issues possibly affecting the effective performance of the building envelope within warranty period identified during the post construction review include:

- Preparation and utilization of a maintenance and renewals plan.
- Routing and sealing of cracks in exposed concrete.
- Appropriately addressing the substantive issues in the VVV report.
- Fully investigating past and current leakage, including identification of systemic problems.
- Remediation of current leakage problems.

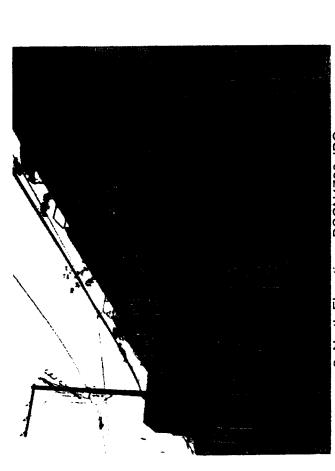
Yours Truly,

Harvey Goodman, P.Eng. BEP Building Science Specialist

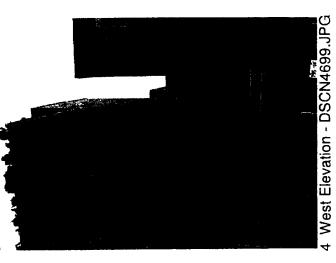


2 East Elevation - DSCN4725.JPG

1 South Elevation - DSCN4724.JPG



3 North Elevation - DSCN4700.JPG



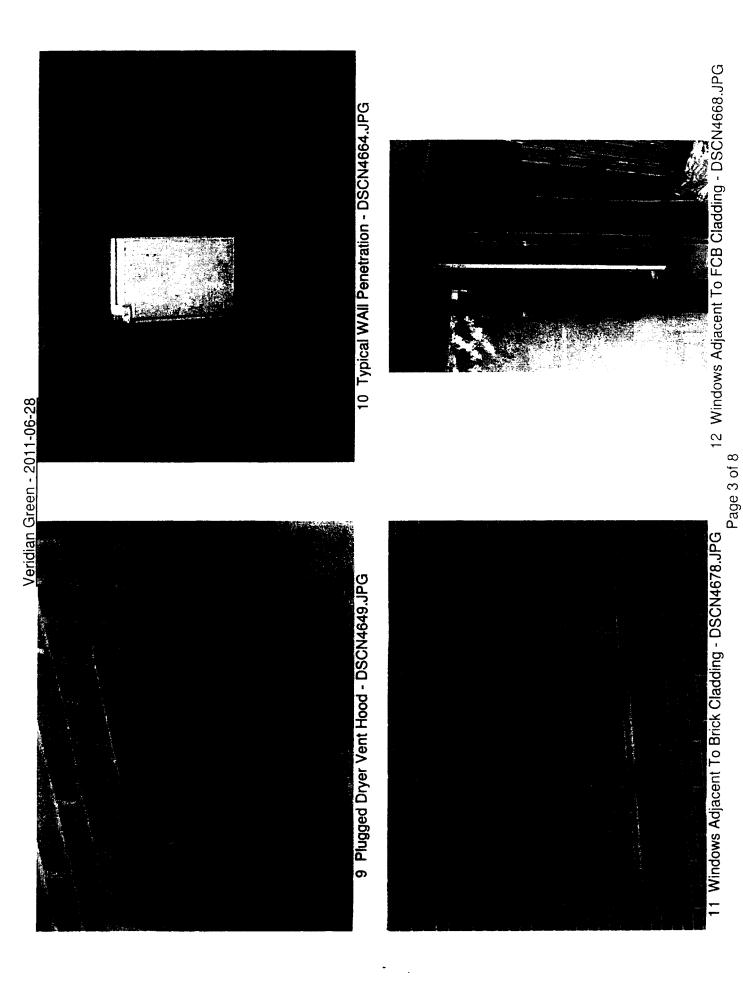
Veridian Green - 2011-06-28



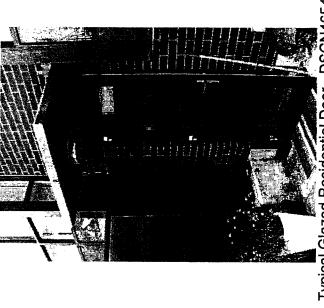
8 Exposed Concrete At Window Sill - DSCN4685.JPG

7 Typical Brick Clad Wall - DSCN4677.JPG

Page 2 of 8



13 Window Wall - DSCN4714.JPG

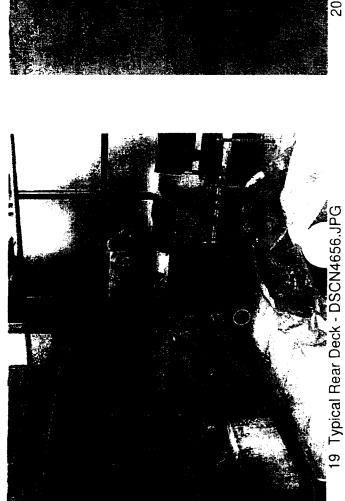


14 Typical Glazed Residential Door - DSCN4654.JPG



Page 4 of 8





20 Building Cross Section - DSCN4720.JPG Page 5 of 8

Page 8 of 8