SAMPLE INSPECTION REPORT



Your Commerial & Industrial FLAT ROOFING EXPERTS



Andrew H. Akerboom... 647.408.4992 andrew.a@acgconsultant.ca

SAMPLE INSPECTION REPORT



PROJECT: FLAT ROOF SOLUTION

ROOFING SYSTEM: 2ND. COMPLETION INSPECTION

DATE: May 27, 2019

CONSULTANT: Andrew Akerboom CELL; 647.408.4992

JOB SITE: WHITBY GO STATION / PARKING GARAGE

CUSTOMER: GO TRANSIT / EAST

ADDRESS: 80 MIDDLEFEILD RD

CITY: SCARBOROUGH, ONTARIO

LEGEND P	= PASSED INSPECT	TION X = FAILED IN	ISPECTION N = 1	Not Applicable C	omment in shaded areas	COMMENTS:
Parapet Flashing	P Pitch Pans	N Drains & Scuppers	P Membrane Blisters	P Mem Seam Defects	X Repair Patches X	
Curb Flashing	X Equip. Sleepers	N Ponding	P Membrane Ridges	P Mem Deteriorated	P Debris & Veg. P	
Penetration Flash.	N Equip. Platforms	N Metal Flashing	P Membrane Splits	X Membrane Holes	X Wall Structure P	
Above: R	esults of 18 Point					

INSPECTION NOTES:



Estimated Remaining Life Expectancy: [20] Years

For more detail see anotated pictures on pages 3 - 8

		COMPANY / CONTACT:		METROLINX /GO-TRANSIT EAST			
		ADDRESS:	80 MIDDLEFIELD AVE		Contact:		
		CITY:	SCARBOROUGH		PH #:		
	— (1)	JOB SITE:	WHITBY GO STATION		Email:		
			401 8	BROCK ST			
		CONSULTANT:	Andr	ew Akerboom	CELL #:	647.408.4992	





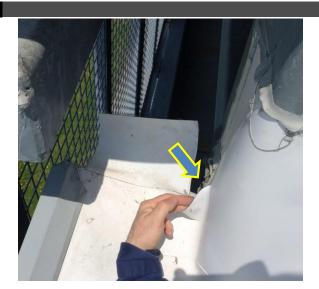
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CONSULTANT: CUSTOMER: Andrew Akerboom

CELL#

JOB SITE: WHITBY GO STATION

SOUTH RAMP



SOUTH RAMP WALL TERMINATION

Membrane was not terminated with termination bar, just caulking was applied

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> Caulking is failing

Termination is to steel post.

> Holes in steel post must be predrilled for termination bar screws.



VOIDS / COLD WELDS

- > Cold welds: Memebrane sticks and appears to be welded
- > When welds are probed:
 - > Cold welds will open up
 - > Good welds can not open, as membrane is fused together.

EVERY CIRCLE & ARROW IS A COLD WELD



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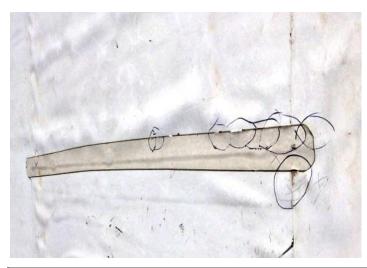
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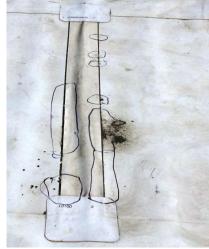
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CUSTOMER:

JOB SITE: SOUTH RAMP

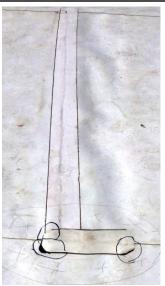




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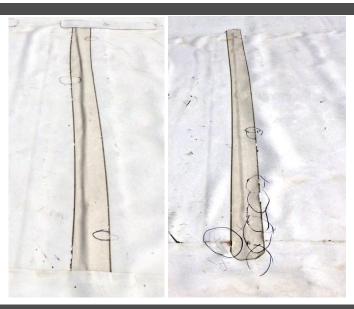




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SOUTH RAMP

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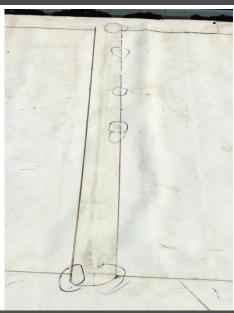
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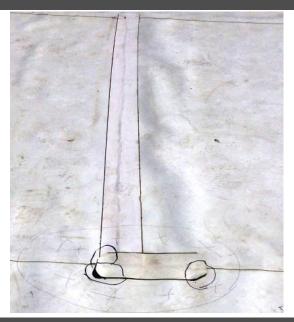
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CUSTOMER:

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NORTH RAMP



VOIDS / COLD WELDS

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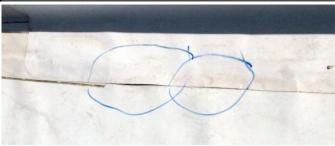
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CONCLUSION:

The welders on this project did not;

- 1. Clean, the membrane properly with 'Weathered Membrane Cleaner' before welding.
- 2. Probe the membrane welds after welding.

This membrane was installed in winter, membrane was 'WEATHERED' Cleaning before welding is manditory.

SOLUTION:

- 1. Membrane must be cleaned with 'WEATHERED' cleaner.
- 2. A patch must be installed over all 226 VOIDS / COLD WELDS.
- 3. All patches must be probed for quality after the weld cools down.
- 4. Membrane installed on North & South sides at the raised walls on the east side require proper installation & termination.
- 5. All patches & Seams should be probed again, as inspector may have missed some VOIDS / COLD WELDS
- 6. Field seams (running east-west) were spot checked & appear to be fine.
 - > The even bleed at the seams shows that these seams were welded by a Robot Welder,

immediately as the membrane was layed. No chance to get weathered or dirty.

BUDGET COST TO PERFORM THE ABOVE REPAIRS:

> Clean & Install 226 Patched over voids / cold welds.



226 x 10mins. Per = 38 Man Hours x \$95.00/hr. = \$3,610.00)

> Repair membrane installed on North & South sides at the raised walls & terminate with terination bar.



2 x 1.5-Man hrs. per = 3 Man Hours x \$95.00/hr. = \$285.00)

TOTAL BUDGET FOR REPAIR COSTS: \$4,000.00 +HST