



Roof Inspection

New MaldrenHotel Manchester Report 3

Complete

Client:	SPS Flat Roof Systems
Title:	New Maldren Hotel Manchester
Date:	15 Jul 2021
Location:	Charles Street, Manchester,

Introduction:

This report is prepared for SPS Flat Roof Systems Ltd, and its purpose is to report on the non-destructive electronic integrity test of the exposed waterproofing membrane of level 16 of the New Maldren Hotel, Charles Street, Manchester.

Site inspection procedure:

The IntegriTest field technician attended site 15/07/2021 to undertake the electronic integrity test

Electronic Integrity Test:

If a waterproofing membrane and substrate are continuous, they may act as an electrical insulator and conductor respectively. If any breach exists in the waterproofing membrane it will act as a conductor for any electrical current to flow to the substrate (an electronic earth). the testing will not find breaches within a nominal 70mm of electrically conductive components on the roof such as lightning conductor tapes and rainwater outlets.

Test Results:

It is understood that the construction comprises of a concrete deck, VCL, rigid foil faced insulation, and SIKA Trocal SGMA waterproofing. A photographic record of the test was taken, and a selection is reproduced in the appendices. The exposed accessible areas of the waterproofing were electronically tested if there are any pathways where water may enter the construction.

The testing identified three (3) breaches (shown in red on the roof plan sketch) where water may penetrate into the construction.

Conclusion:

Three breaches caused by mechanical damage were identified during the testing and inspection; these were repaired by SPS operatives.

Inspection

Date of Attendance

15 Jul 2021

Site Address

Charles Street,
Manchester

Roofing Contractor on Site

Yes

Roof Construction: Concrete deck, VCL, rigid foil faced insulation, SIKA Trocal SGMA membrane.

Relevant Photos



Photo 1

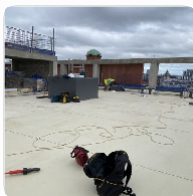


Photo 2



Photo 3

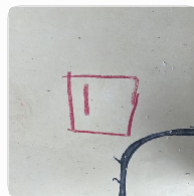


Photo 4

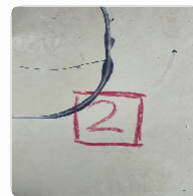


Photo 5

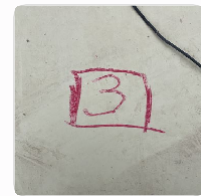


Photo 6



Photo 7

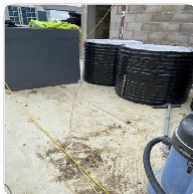


Photo 8



Photo 9

Roof Plan:

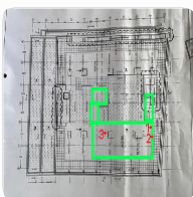


Photo 10

Description of Defects & observations:

3 mechanical damage identified.

Operative Signature:

Owen Tuffin
15 Jul 2021

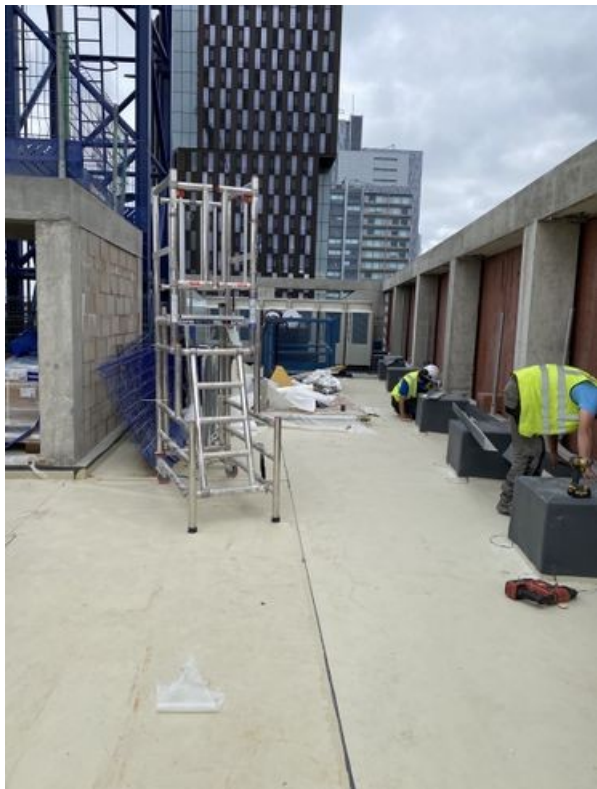


Photo 1



Photo 2



Photo 3

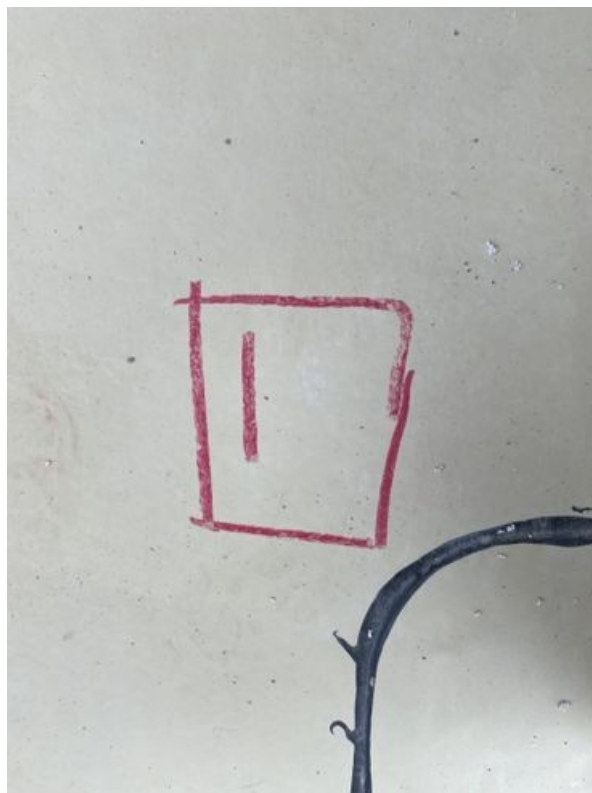


Photo 4

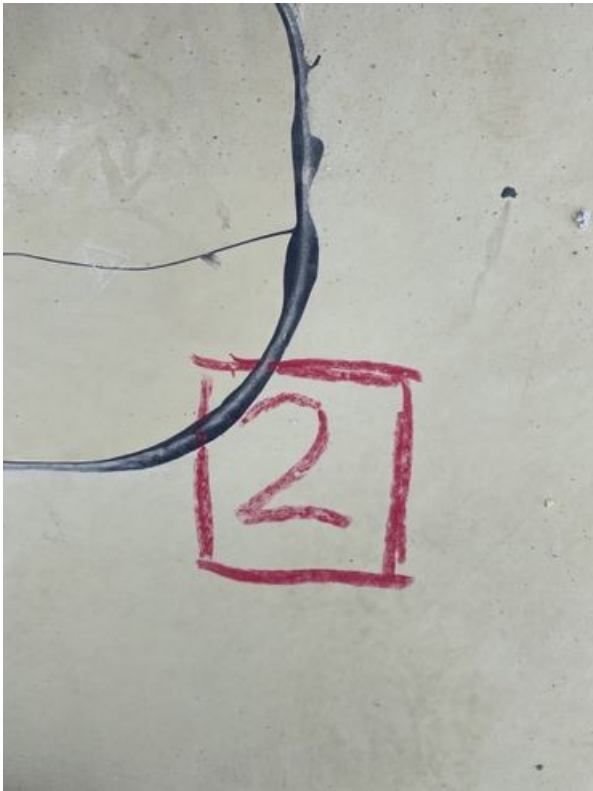


Photo 5

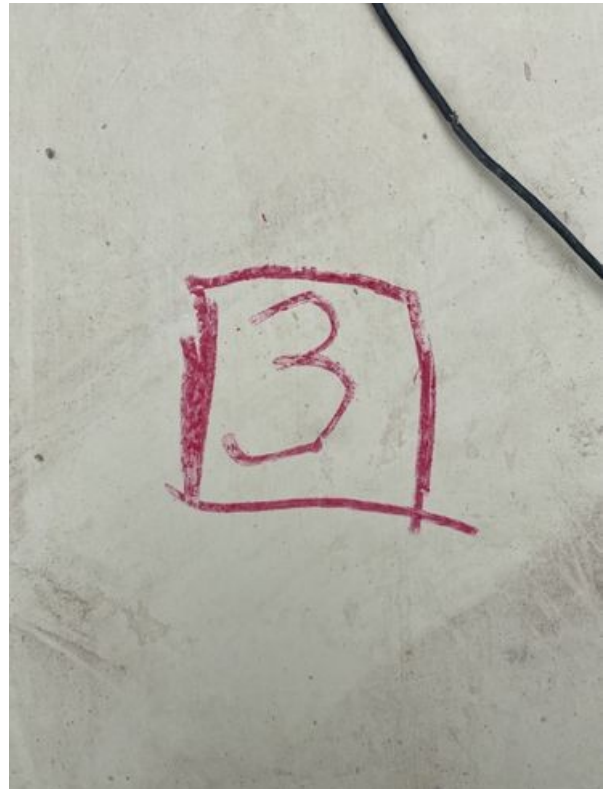


Photo 6



Photo 7

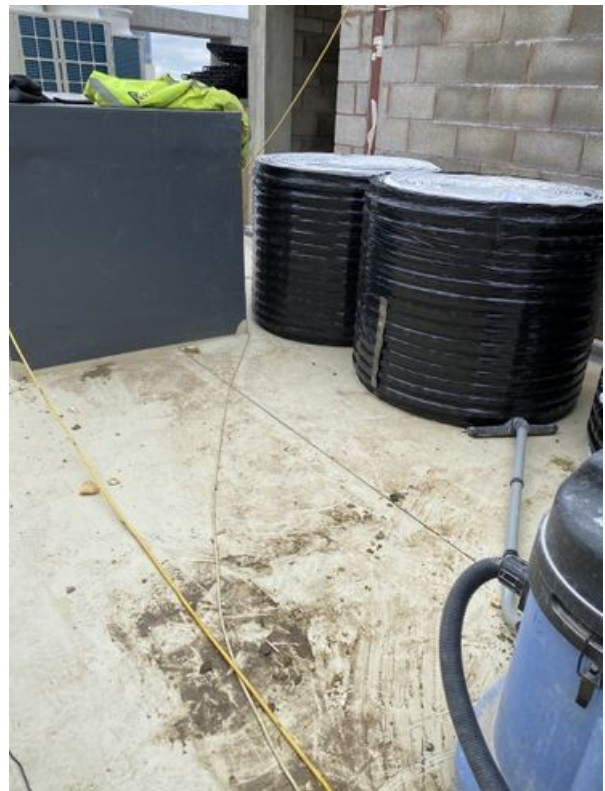


Photo 8



Photo 9

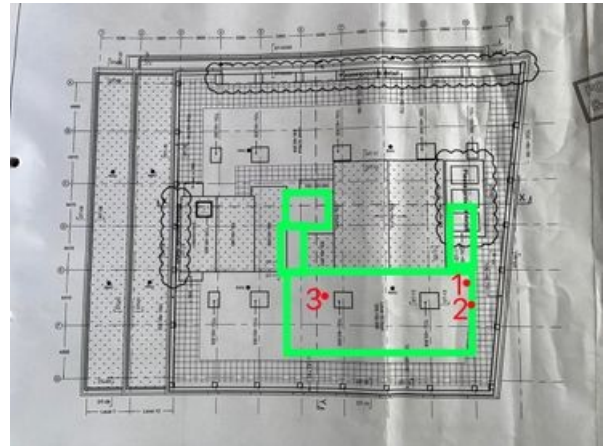


Photo 10