

Personal contact details and Professional summary	
<b>Name</b>	Mr Stephen McQuade Chartered Engineer BEng (Hons), CEng, MIEI, MIStructE
<b>Address</b>	2HQ Consulting Engineers Ltd Office 6, Burnell Court Northern Cross Malahide Road Dublin 17
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<b>Qualifications</b>	BEng (Hons), CEng, MIEI, MIStructE Bachelor of Civil Engineering (Honours), Queens University, Belfast (1995) Chartered Engineer (2002) Chartered Member of Engineers Ireland (2002) Chartered Member of Institution of Structural Engineers (2007)
<b>Career history</b>	2017 - Present 2HQ Consulting Engineers Ltd 2011 - 2017 Merit Consulting, Dublin (Director) 1997 - 2011 Waterman Moylan, Dublin (Director) 1995 - 1997 HG Stockham & Associates, Belfast (Design Engineer)
<b>Relevant project experience</b>	<p><i>Menolly Homes -v- Irish Asphalt</i> : Engineering witness testimony given during the Commercial Court trial relating to alleged pyrite damage.</p> <p><i>Latent Defects Building Investigations</i> : Engineer employed by a Latent Defects Insurance provider to investigate and report on various types of building damage. Services also include the specification and inspection of the building repairs.</p> <p><i>Royal Canal park, Dublin 15</i> : Assisted the developer (Ballymore Properties) in relation to the investigation of damage to 150 residential dwellings due to pyritic heave, including testing of the infill, condition surveys, monitoring and specification of the remedial works.</p> <p><i>Beau Park, Dublin 13</i> : Assisted the developer (Killoe Developments) in relation to the investigation of damage to 180 residential dwellings due to pyritic heave, including testing of the infill, surveys, monitoring and specification of the remedial works. Also supervised the remedial works and provided certification upon completion.</p> <p><i>Housing Estate, West Dublin</i> : Expert engineering advisor to a leading Insurer in relation to suspected pyritic heave damage to a partially constructed housing development. Undertook surveys of all properties to record the current condition and monitor for ongoing deterioration.</p> <p><i>Dundrum Town Centre</i> : Engineering advisor to the building Insurers after the flooding incident in October 2011. Responsible for the investigation and reporting on the extent of damage to the building structure, finishes and fit-out.</p>

*Brown Thomas, Dublin 2* : Expert technical advisor to Insurers in relation to extension flood damage to a department store in 2010.

*St Mel's Cathedral, Longford* : Engineering advisor to Insurers (and later Project Manager and Engineer to the Parish) in relation to extensive fire damage to the Cathedral in December 2009.

*National Aquatic Centre, Dublin 15* : Expert engineering services to in relation to the sudden failure of the roof in 2004.

*Primary Care Centres* : Civil and Structural engineer currently employed on the development of a number of Primary Care Centres planned for the Dublin and surrounding counties.

*Dublin Airport* : Engineer and Project Manager to DAA for several projects over the past 10 years including Life Safety System upgrade to Terminal 1, new Operational Control Centre for Terminal 1 and a new Immigration Area serving Piers A & D.

*Rockfield & Riversdale, Dundrum* : Structural engineering services on a mixed-use development comprising apartments, offices, underground park & ride car park and the Balally Luas station. Project value c.€120m.

*Gaiety Theatre, Dublin 2* : Structural designer for the complete demolition and reconstruction of the stage area and reconstruction of that part of the building including a new 27m high fly-tower.

*Point Depot / The O2* : Structural scheme design for the new concert arena.

*Cruzzo Restaurant, Malahide* : Structural designer of the restaurant located over water at Malahide Marina Village.

**Specific areas of expertise**

Experienced chartered engineer with extensive experience in the design and project management of domestic and commercial projects, with specific expertise in residential design and construction.

Involved in the inspection, testing and remediation of pyrite affected properties since mid-2007 whenever the problem was initially identified.

Recognised expertise in the forensic investigation of damaged buildings, particularly where structural movement and cracking has occurred.

Insurance engineering specialist engaged by most leading insurance companies to investigate and report on damage arising from subsidence, fire, flood, water ingress, storm, landslip, etc.

Regularly employed by the insurance and legal professions to assist in the construction related disputes.

Expert Witness skills including the preparation independent expert engineering reports for the purposes of litigation and the provision of courtroom expert evidence.

**Declaration:** *I accept responsibility for the accuracy of the particulars contained in this form including my qualifications and I agree that, when submitted, its contents will be made available on the Engineers Ireland website [www.engineersireland.ie](http://www.engineersireland.ie)*

I agree to the declaration above

