

#UKPHC19

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Stewart & Shields – PH Training

Mark Shields – Director

Michael O`Sullivan – Site Manager

Stewart & Shields Ltd – Brief History

- Third generation Family Business established for 50+ Years
- Scotland's leading accredited Passivhaus firm
- Working throughout Scotland
- Experienced in Social Housing, infrastructure and associated buildings
- 80%+ of our turnover is in the RSL and public sectors, Passive Build, Refurbishment and Improvements
- Offsite manufacture specialists



Company Core Values

- Teamwork
- Ownership
- Respect
- Quality
- Honesty



**Stewart
& Shields**
Building Contractors

Skills Shortage

- Massive shortage in Quality Trades People in the Industry
- Variance of skills level between individual to individual
- Time Taken for Site Managers to “micro manage” Tradespeople



Our Approach to address this issue

- Create our own “Stewart & Shields” Trades Standard
- Stewart & Shields Skills Academy
 - Images of Training Centre & Workstations
- Passivhaus Standards – Automatically part of our Teams DNA
- Open to all – Giving people a chance
 - Street Soccer
 - Arbelour Trust
 - Action for Children



A'Chrannag

- Multi Award Winning Project:
 - RIBA Award Winning Project
 - RIAS 10/10 Buildings that made a difference
 - Stirling Prize (Shortlisted)
 - Andrew Doolan Award, Best Building in Scotland
 - SDA Best Affordable Housing Project
 - Saltire Society Housing Design Award
 - SHFA Sustainability Awards
- Considered to be Europe's most energy efficient social housing project in 2004.
- Airtight construction
- Triple glazed windows
- Mechanical Ventilation System



Passivhoose - Prototype

- Collaboration with John Gilbert Architects



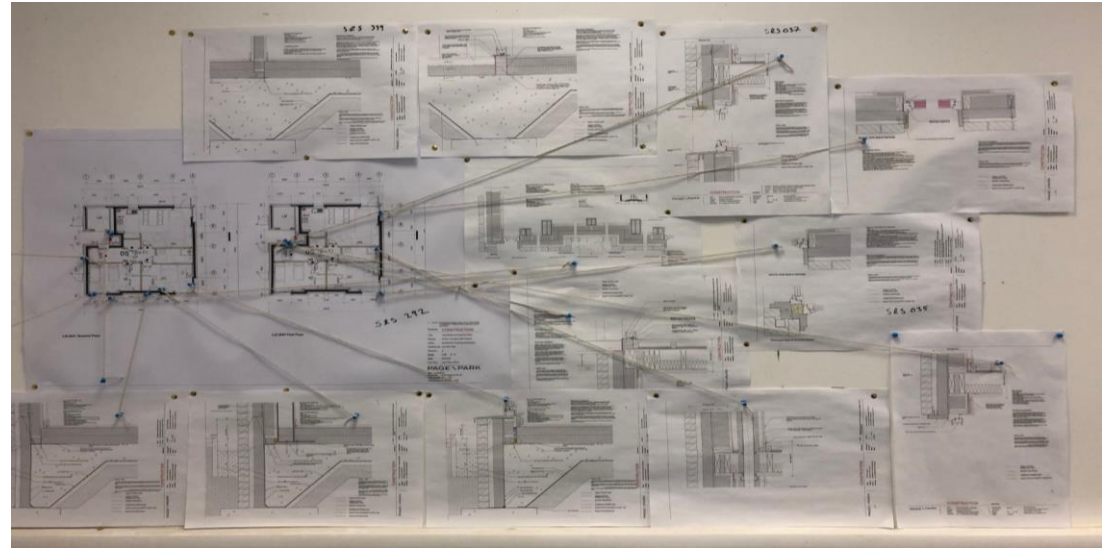
Managing This Now & In the Future

- Certified Passivhaus Training
- Suitably Qualified Trades Person's "shadowing" Apprentices
- Procore Construction Management System



What can be achieved - Carntyne Church

- 1st Multi Storey City Centre Passivhaus project in Scotland
- The biggest 19th century refurbishment and extension project to create 19 luxury apartments, all with lift access to accommodate varying needs.
- 5 units built to full Passivhaus Standard and independently certified by the Passive House Institute. 14 units built using Passivhaus Construction Principles.



ukpassivhaus conference 2019



Thank you...

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