



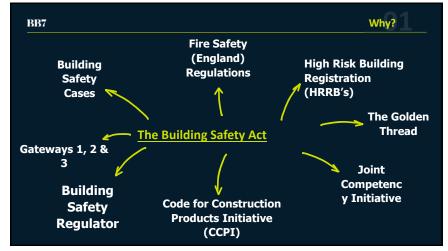
Why are we still talking about this?

Output

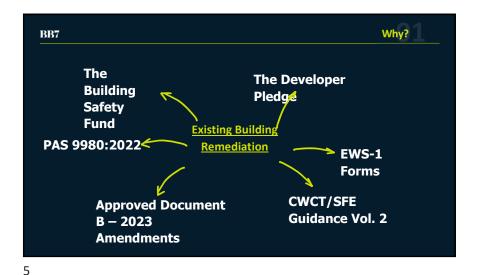
Description:

1







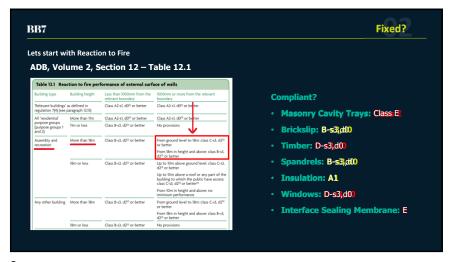




BB7 Fixed? Clear Guidance (?) Fictional Project Example: Sixth Form Education Centre. Building height: 22m Boundary Distance: 2m The structure is proposed as a loadbearing Light Gauge Steel Frame. Façade is proposed to be clad in handset brick at ground floor level for robustness, before transitioning to an adhesive applied brickslip system from Level 1 with 12mm timber cladding adjacent to timber composite windows. The feature curtain wall has a bonded Rockwool core spandrel at floor levels. Do we feel this would be a compliant building to the Regulations/ Guidance?

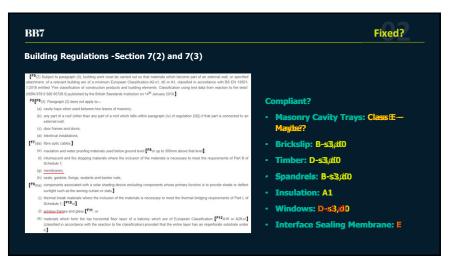
BB7 Fixed? **More Details** · Handset Masonry: Cavity Trays are tested to BS EN 13501-1, achieves Class E • Brickslip: Tested to BS EN 13501-1, achieves B-s3,d0 with the adhesive. • Timber: Class D-s3,d0 • Spandrels: Tested to BS EN 13501-1, achieves B-s3,d0 with the adhesive. • Insulation: Rockwool - A1 to BS EN 13501-1 Windows: Class D-s3.d0 frame members • Interface Sealing Membrane: Membrane tested to BS EN 13501-1, achieves Class E · Compartmentation: Horizontal Open State Cavity Barriers at all levels

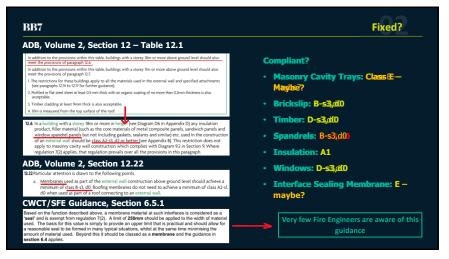




BB7 Fixed? ADB, Volume 2, Section 12 - Table 12.1 sembly and More than 18m Class B-s3, d2⁽²⁾ or better From 18m in height and above d2⁽²⁾ or better **Compliant?** Idition to the provisions within this table, buildings with a storey Ilm or more above ground level should also t the provisions of paragraph 12.7. • Masonry Cavity Trays: Class E -• Brickslip: B-s3,d0 or flat steel sheet at least 0.5 mm thick with an organic coating of no more that : Brickslip: B-s3,d0 : Timber: D-s3,d0 : Spandrels: B-s3,d0 **DLUHC Circular Letter 02/2022** The Secretary of State makes the following direction, in relation to buildings in England, in exercise of the powers conferred by section 11(1) of the Building Act 1984 (type relaxation of building : Insulation: A1 Windows: D-s3,d0
 Interface Sealing Membrane: E The requirements of regulations 6(3) and 7(2) of the Building Regulations 2010 are dispensed with in relation to cavity trays (c)(d). • Interface Sealing Membrane:

9



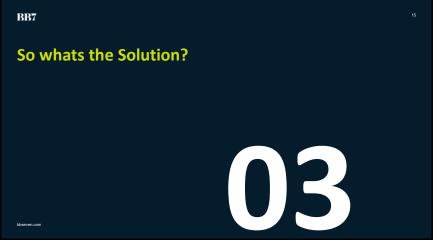






BB7 Fixed? Other issues in the industry which may affect this building or others like it: A lot of these issues are complex, · If the glazing is full height how do we deal with cavity and require a solution that barriers? Can we combine them? doesn't just consider fire · Open State Cavity Barriers are still not covered by a BS or engineering but also its EN Standard (ASFP TDG 19) - how do we review against implications on façade this? performance, weathering and • Open State Cavity Barriers are being increasingly longevity requested to be changed by LFB due to cold smoke BUT... progression hampering fire fighting efforts, is there an alternative? Façade Industry Poll 2023 38% of those surveyed were • Loadbearing SFS requires full encapsulation – how do we either fully or heavily restricted deal with the window interface through a sheathing against fire in spite of the high board? degree of confidence in the industry · How do we deal with rainscreen rail systems running through a cavity barrier or fire stop?

14



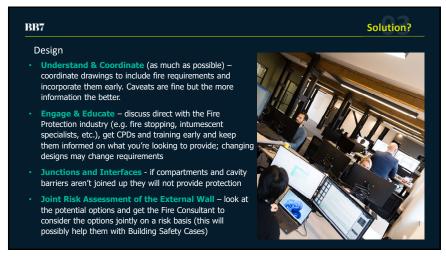
BB7 Solution? **Procurement Prescriptive vs Specification Approach** · Prescriptive (Traditional Contracts) allows for definitive products and performances to be specified early and the design is locked down. · Specification Approach (D&B Contract) allows for more flexibility and requires more knowledge further down the supply chain. SURELY TRADITIONAL IS THE WAY TO GO THEN? · Traditional relies on tight early control but relies on a smaller team and is client led; requires a high degree of accuracy from the start - higher reliance on individuals being fully competent and · Specification approach allows the design to be tailored and allows "many heads" to resolve the design and tackle more granular issues. Both have the potential to solve the issue, but equally both have their risks. D&B and Specifications aren't going anywhere...





Solution? BB7 Procurement • Option 1: Use a specialist who has both disciplines (BB7???) • Option 2: Actively engage early with specialists to coordinate on the issues early. Encouraging a crossover workshop in each Stage as may reveal some key issues as the design progresses. • Option 3: Try to find a Fire Specialist has the capacity to review and comment on Façade Details; even a single iteration review can be invaluable in discovering issues **BUT** this generally comes at a premium.

17



BB7 Solution? Cross Industry Knowledge Sharing Improving our understanding of items outside our sector: Accredited Courses & CPDs ASFP Passive Fire Protection Level 3 (https://asfp.org.uk/page/FoundationCourseOnlineLevel3) IFE Training Directory (https://www.ife.org.uk/Training-Development-Directory) • FPA Fire & Non-Loadbearing External Walls (https://www.thefpa.co.uk/training/passive-fire-protection-training/fireand-non-load-bearing-external-walls-online) Don't skip on the project Fire Engineering Workshops • Read PAS 9980 – this gives a good grounding in the fundamentals We should read it • Get as many CPDs as you can... ourselves as well! Educating those outside our sector: • Encourage Fire Professionals to gain knowledge of Façades (your CPDs?) • Pass on the CWCT Guidance Documents (in particular CWCT/SFE document) and discuss





