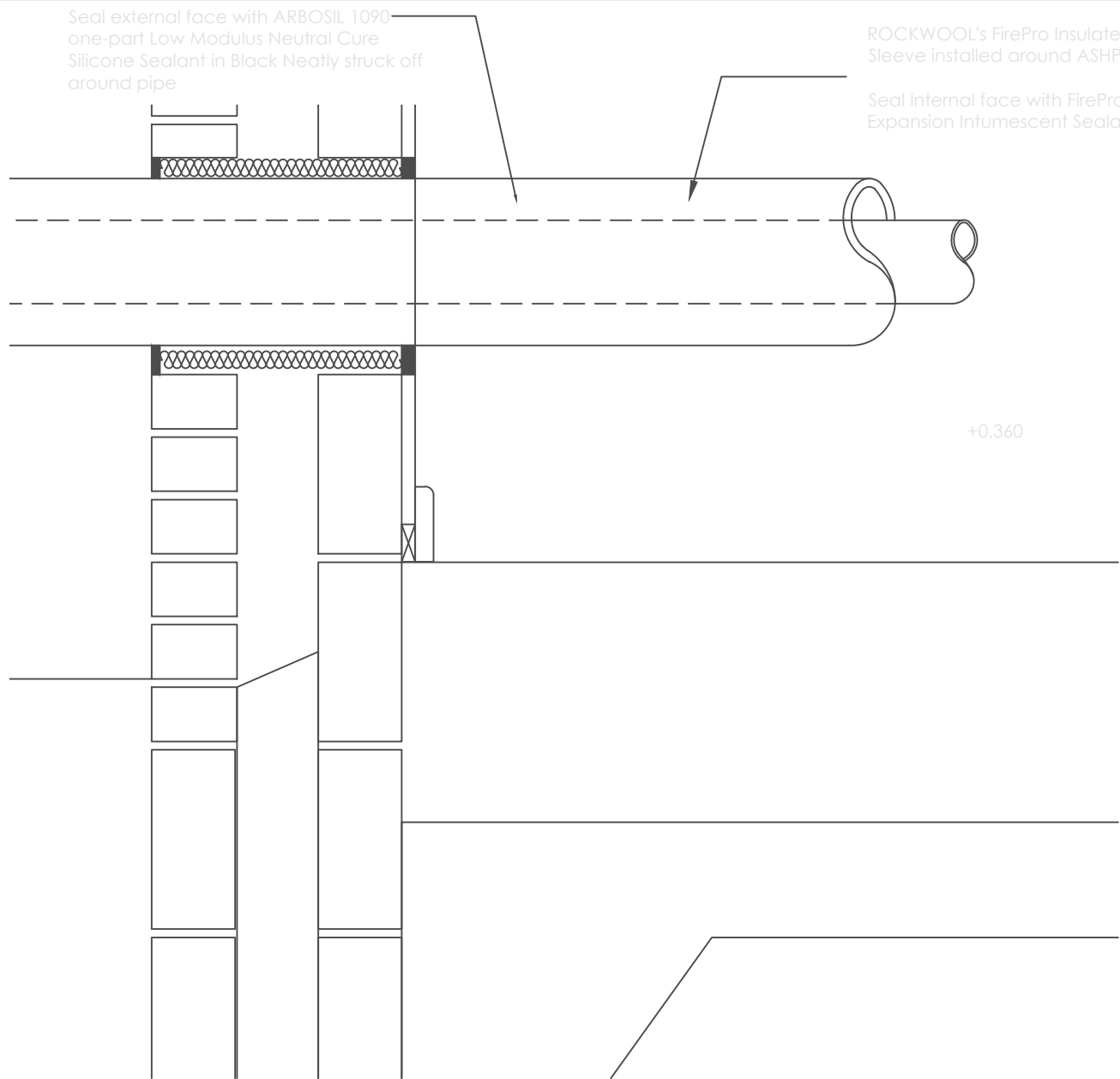
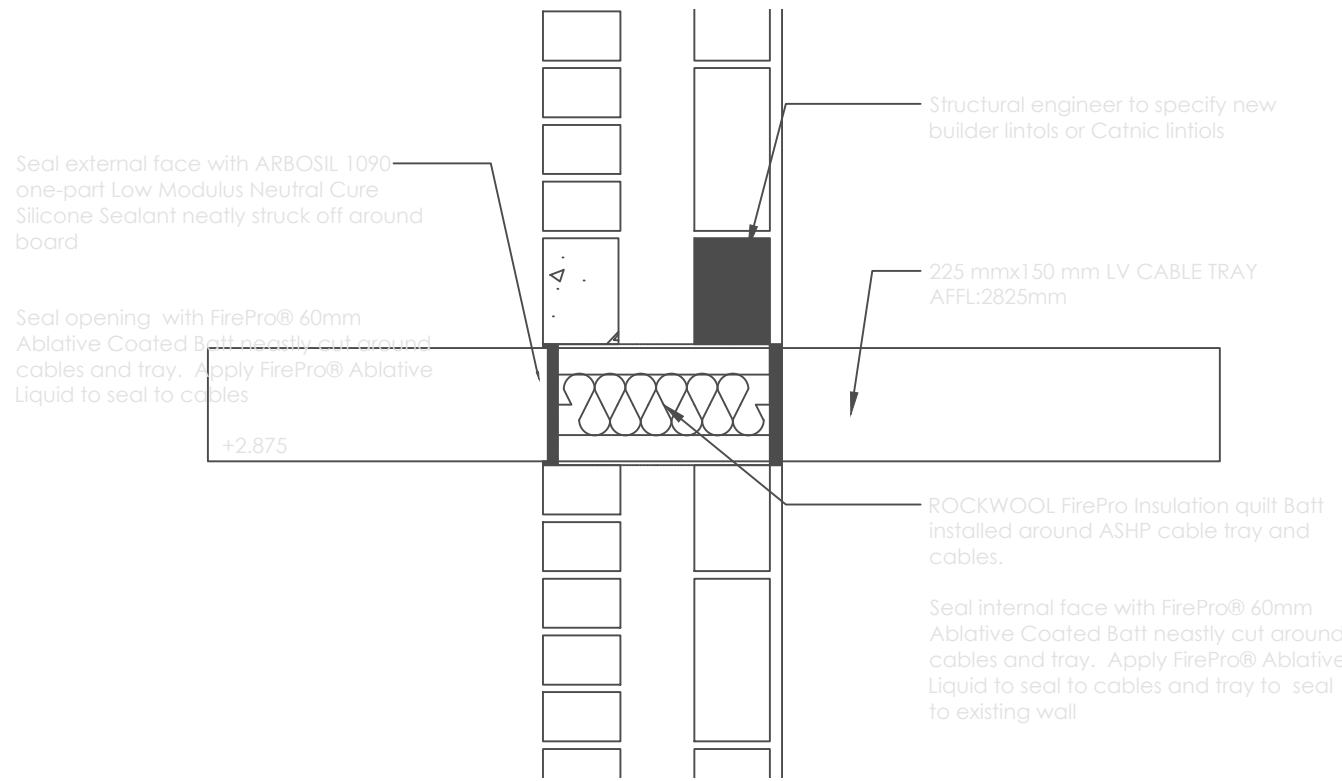
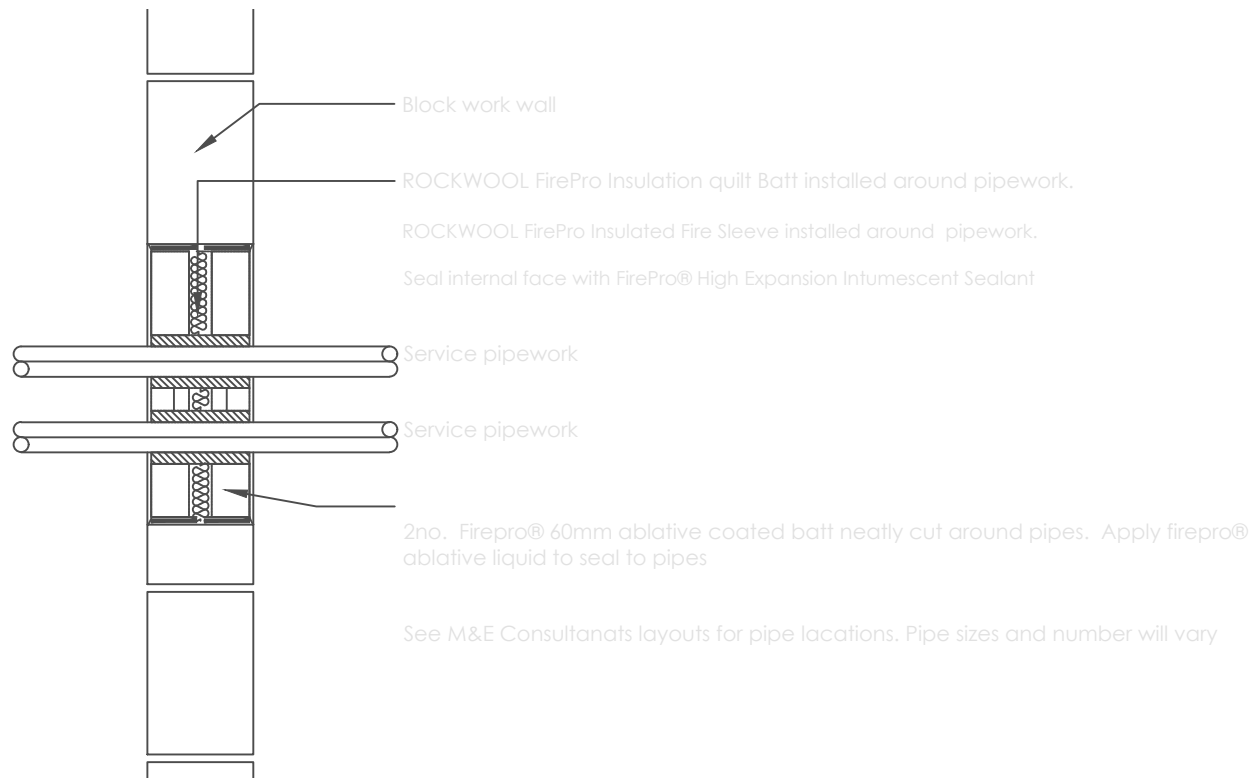




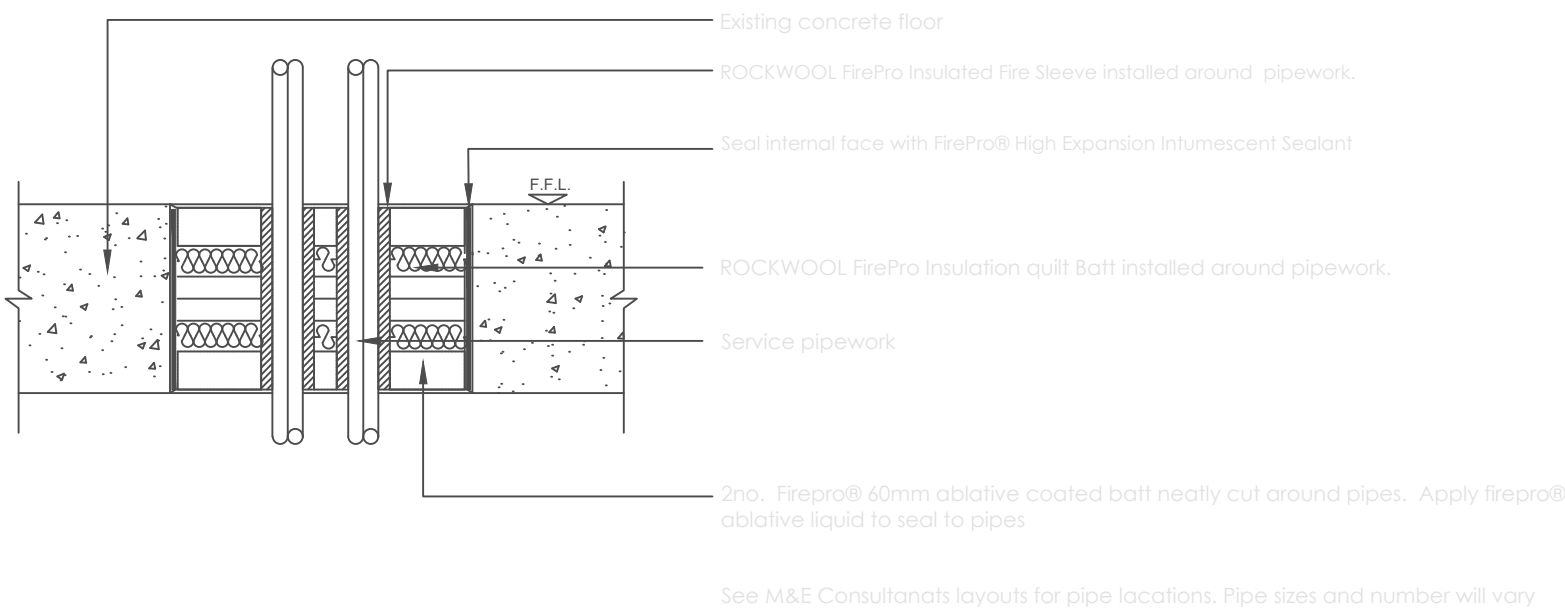
ASHP pipe penetration through External wall scale 1:10



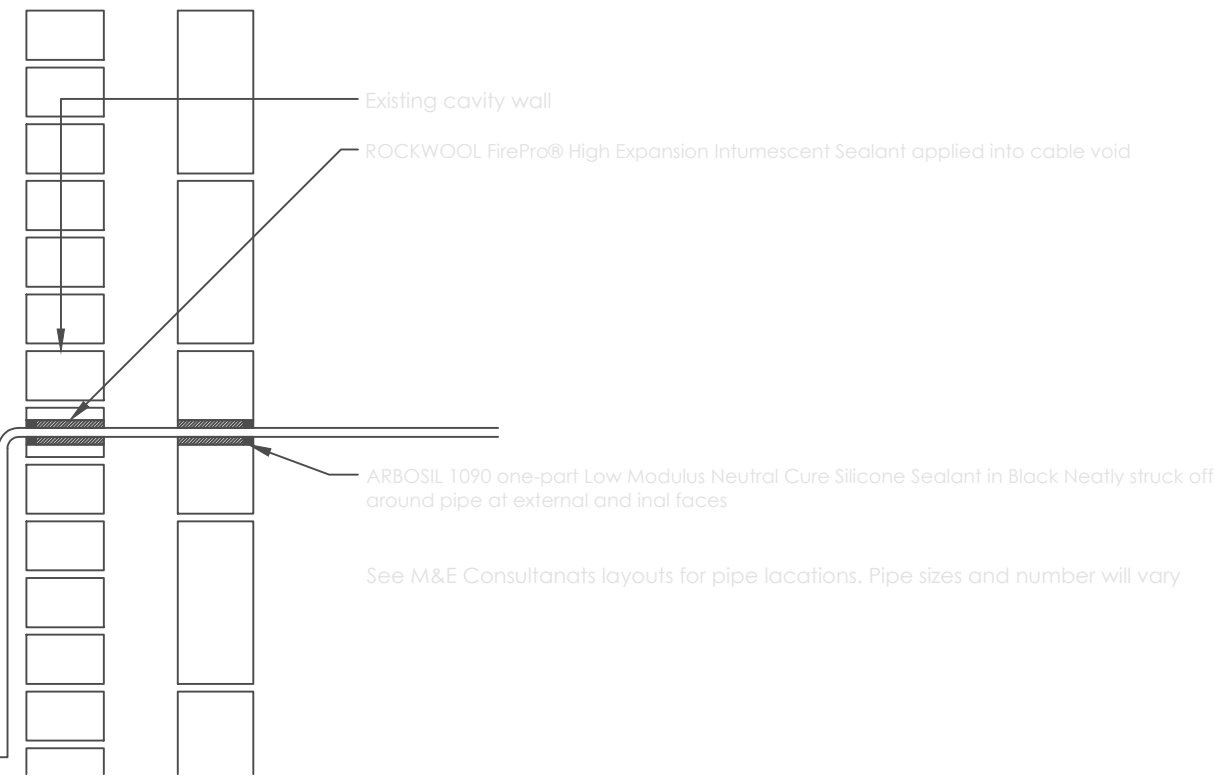
ASHP Cable tray penetration through External wall scale 1:10



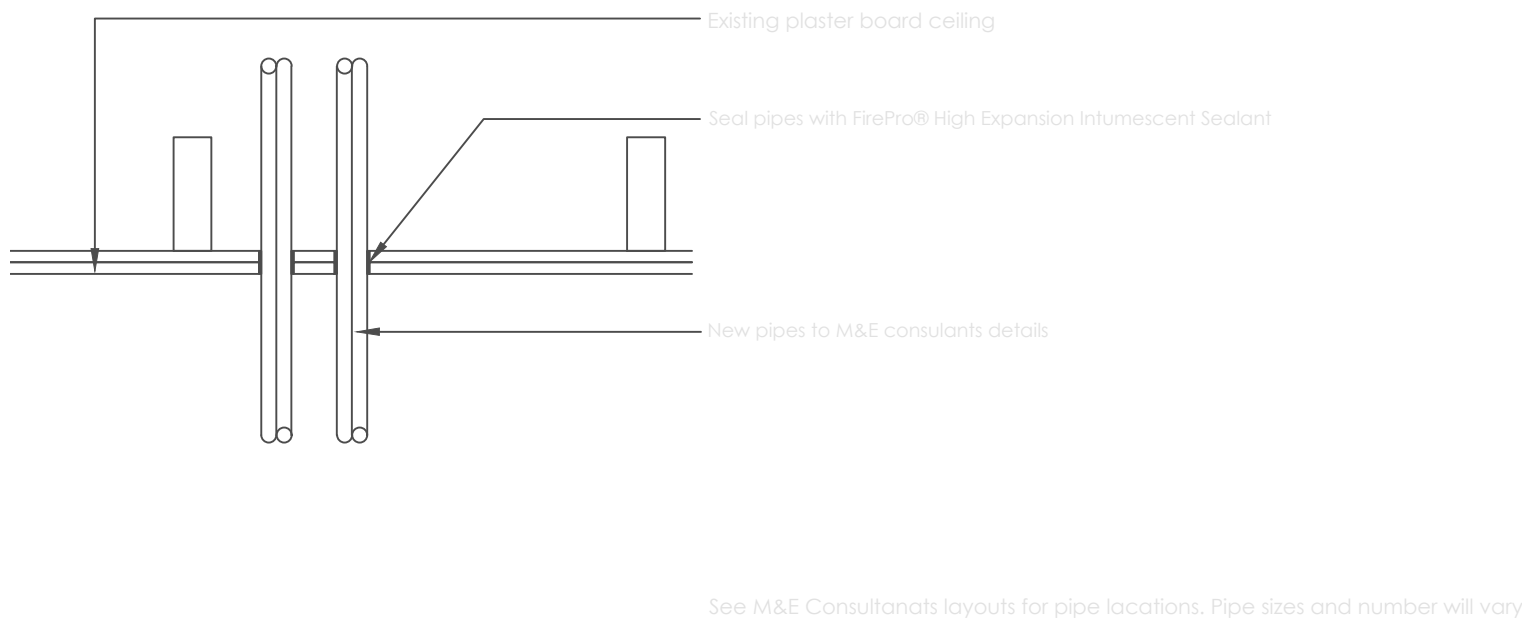
Typical Pipe penetration through internal block wall scale 1:10



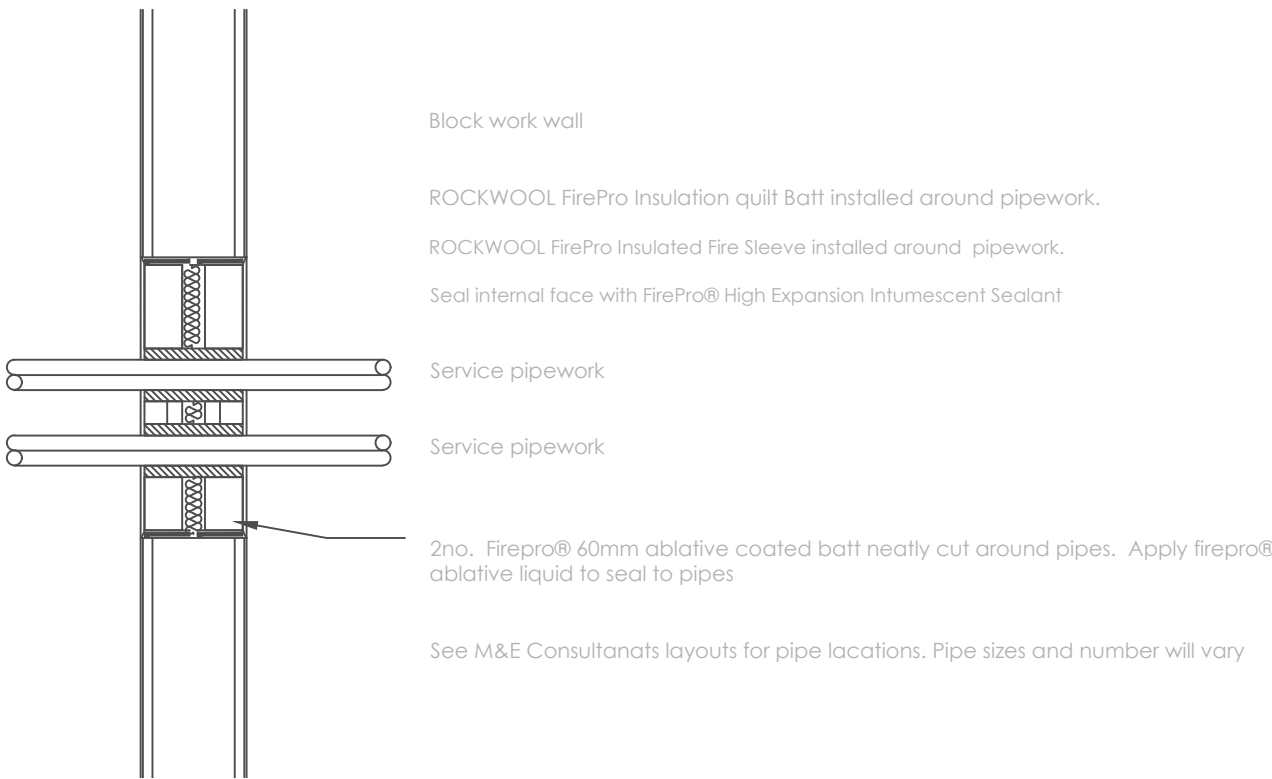
Typical Pipe penetration through internal floor Slab scale 1:10



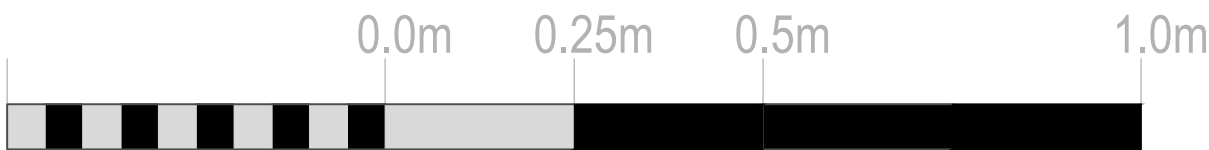
Typical Cable penetration through external wall for PV's etc scale 1:10



Typical Pipe penetration through internal ceiling scale 1:10



Typical Pipe penetration through internal partition wall scale 1:10



Notes:
All Fire Penetrations are to achieve 60 Minutes of compartmentation and an acoustic performance of up to 45dB as per the manufacturers specifications.

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PLANNING

Rev	Date	Revision notes	By	Check	
Client		Drawing Title			
Equans		Blackley Office & Yard Fire Penetration Details			
Project Title		Drawn	Date		
Decarbonisation Scheme		JH	12/24		
Blackley Office & Yard		Checked	Date		
		GM	12/24		
DWG No.	24606.109	Scale	1:10	Revision	-