



Atelier MB
Urban Architects



Science and Industry Museum Manchester

Project Ref: 2002

Compartmentation Methodologies

Station Building

Date: March 2023

Issue – Rev C (*Revisions in red*)

To be read in conjunction with:
Neo Fire Compartmentation Survey Report

Relates to:
Station Building

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Building	Station Building
Methodology Ref:	COMP_MET_001
Instances	1
Location	Ground Floor
Neo Pin Reference	0024:38
Breach Type	Fire Stopping at joints with ducts and at heads of walls
Rating	30 Minutes and 60 minutes
Substrate	Drywall
Description	Rockwool Firepro Acoustic Intumescent sealant with RWA-45 backing where packing is required
NBS references	
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail RWSD-AIS-0001
Notes	Linear seals to timber beam in WG02 and WG04, seal plasterboard to arches in WG05A. Linear seal to duct in Lower Ground Floor 1830 Warehouse



Building	Station Building
Methodology Ref:	COMP_MET_002
Instances	1
Locations	Ground Floor See Neo PIN, 0003:38
Breach Type	Fire Stopping at head of wall, cable
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Carefully remove non-compliant seal where present. Install new fire rated sealant. Rockwool Firepro Acoustic Intumescent sealant with RWA-45 backing where packing is required
NBS references	P12/386 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail RWSD-AIS-0001
Notes	



Building	Station Building
Methodology Ref:	COMP_MET_023
Instances	6
Locations	SBG04, SBLG06,
Neo Pin Reference	0023:38, 0028:38, 0034:38, 0070:38, 0071:38, 0072:38
Breach Type	Seals around cables, cable trays, conduit, pipes, trunking and holes
Rating	30, 60 and 120 Minutes
Substrate	Concrete / Brick / Block
Description	ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	P12/385 P12/386 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-128-RDW
Notes	Prepare to suit to location



Building	Station Building
Methodology Ref:	COMP_MET_052
Instances	1
Locations	SB LG04
Neo Pin Reference	A2SBLG04 (Additional works)
Breach Type	Step change at threshold
Rating	N/A
Substrate	Concrete
Description	Install new timber steps complete with contrasting nosing. Allow for a vinyl anti-slip finish to treads and risers.
NBS references	G20 – contractor structural design M50. Vinyl and nosings.
AtelierMB Drawings	124
Other information referenced	
Notes	



Building	Station Building
Methodology Ref:	COMP_MET_504
Instances	1
Locations	Ground Floor, SBG09
Neo Pin Reference	0031:38
Breach Type	Old service cupboards with redundant services 2 No.
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Carefully remove redundant services. Apply Fireline plasterboard with lime plaster dabs to inside of cupboard, 2 layers. Decorate to match existing.
NBS references	K10/205
AtelierMB Drawings	
Other information referenced	
Notes	See Neo comments



Building	Station Building
Methodology Ref:	COMP_MET_521
Instances	1
Locations	Lower Ground
Neo Pin Reference	0122:38
Breach Type	Seals around cables, cable trays, conduit, pipes, trunking and holes
Rating	30, 60 and 120 Minutes
Substrate	Concrete / Brick / Block
Description	~~Clean paint from brickwork, repoint, standard fire stopping detail.~~ ~~Locally clean off loose and friable non-breathable paint finish to brickwork surface using a poultice. Carry out trials to determine shortest period of time in which the poultice needs to remain in place.~~ ~~Take mortar samples and agree matching mortar mix via samples with the CA.~~ ~~Localised repointing as required with matching mortar.~~ ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides <i>On review – the paint does not need to be removed nor repointing carried out as. The holes are not overly enlarged around each penetration. The existing paint/brickwork just needs to be brushed down and prepared to take Rockwool sealant.</i>
NBS references	P12/385 P12/386 P12/390 Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-128-RDW
Notes	



Building	Station Building
Methodology Ref:	COMP_MET_528
Instances	1
Locations	Lower Ground floor
Neo Pin Reference	0003:10
Breach Type	No separation, door not present
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	Install new 60min fire rated door to match elsewhere
NBS references	
AtelierMB Drawings	See Station Building Door Schedule
Other information referenced	
Notes	



Building	Station Building
Methodology Ref:	COMP_MET_562
Instances	4
Locations	Lower Ground Floor PINs A1SB-115A, A1SB-115B, A1SB-116A and A1SB-116B
Breach Type	Existing infill to viaduct arches not fire rated – needs to be 60mins.
Rating	60 Minutes
Substrate	Existing stud partitions within brick arches
Description	Shaftwall secondary wall to upgrade existing partition. Remove existing doors, surrounds and construction at head of doors where present. Install new shaftwall against existing partition taking account of head, modified to suit arch profile. Allow for interface with new doors. Make good surroundings and ensure fire rating integrity at junctions with existing walls. Decorate wall to match existing. Allow for temporary removal or relocation of trunking and cabling to allow the work to be carried out.
NBS references	K10/126
AtelierMB Drawings	2002 T(125), 2002 T(415)
Other information referenced	Doors PINs A2SB-115, A2SB-116
Notes	Work at high level and partial restricted access. Scaffolding required.



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