



Atelier MB
Urban Architects



Science and Industry Museum Manchester

Project Ref: 2002

Compartmentation Methodologies

1830s Warehouse

Date: March 2023
Issue Rev B

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

Relates to:
1830s Warehouse

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Building	1830s Warehouse
Methodology Ref:	COMP_MET_002
Instances	1
Location	Ground Floor
Pin Locations	0021:38
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	P12/386 P12/390
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	1830s Warehouse
Methodology Ref:	COMP_MET_004
Instances	1
Locations	W Arch LG2B
Pin Location	0073:38
Breach Type	Plastic pipes.
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	ROCKWOOL FIREPRO® Pipe Collar CE screw fixed to wall. • 10mm annular max. • ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around pipe.
NBS references	P12/377 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail RWSD-COL-0001
Notes	50mm plastic pipe.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_007
Instances	1
Locations	Lower Ground Floor, WLG02
Pin Locations	0093:38
Breach Type	Plastic conduits.
Rating	60 Minutes
Substrate	Concrete / Brick / Block and drywall
Description	ROCKWOOL RWA45 tight wrapped around conduits, to extend min. 75mm from wall both sides. • min. 13 deep ROCKWOOL FIREPRO® Acoustic Intumescent Sealant within sleeve. • ROCKWOOL FIREPRO® High Expansion Intumescent Sealant both side around penetration.
NBS references	P12/385 P12/395
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail RWSD-HE-0110
Notes	Chip out where required to achieve correct annular gap.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_012
Instances	1
Locations	Second Floor
Pin Location	0130:38
Breach Type	Firestopping around cable trays.
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	ROCKWOOL FIREPRO® Ablative batt, 50mm thick with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides and around services penetrations, both sides
NBS references	P12/360 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-112-RDW
Notes	Remove plasterboard and replace with fire batt.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_004
Instances	1
Locations	Lower Ground Floor, Lift motor room, W ARCH LG2B
Pin Location	0073:38
Breach Type	Seals around ducting
Rating	60 Minutes
Substrate	Drywall
Description	ROCKWOOL Ablative coated batt, 50mm thick, face fixed with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter and around services penetrations, both sides
NBS references	P12/145 P12/360 P12/375 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-113-RDW
Notes	Accessible form one side only.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_019
Instances	5
Locations	Second Floor, Lower Ground Floor
Pin Locations	0052:38, 0088:38, 0112:38, 0136:38, 0143:38
Breach Type	Firestopping around cables and cable trays.
Rating	30 and 60 Minutes
Substrate	Concrete / Brick / Block
Description	ROCKWOOL FIREPRO® Ablative batt, 50mm thick with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides and around services penetrations, both sides
NBS references	P12/360 P12/375 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-122-RDW
Notes	Prepare to enable installation



Building	1830s Warehouse
Methodology Ref:	COMP_MET_022
Instances	3
Locations	Second Floor and Lower Ground Floor
Breach Type	Fire stop at head of wall
Rating	30 and 60 Minutes
Substrate	Concrete / Brick / Block
Description	1 layer ROCKWOOL Ablative coated batt, 50mm thick, with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides. Install vertically.
NBS references	
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-126-RDW
Notes	Difficult access, some instances can only be sealed from side.

Building	1830s Warehouse
Methodology Ref:	COMP_MET_023
Instances	54
Locations	Ground Floor WG05A, Ground Floor, Ground Floor Cleaners Cupboard, Ground Floor WG04, Ground Floor WG02, Ground Floor WG04, Ground Floor WG01, Ground Floor, WLG03, Lower Ground, W Arch LG1B, First Floor, Mezz Floor
Pin Locations	0004:38, 0005:38, 0011:38, 0014:38, 0016:38, 0018:38, 0019:38, 0026:38, 0029:38, 0043:38, 0044:38, 0045:38, 0047:38, 0048:38, 0049:38, 0051:38, 0055:38, 0056:38, 0057:38, 0061:38, 0062:38, 0067:38, 0076:38, 0077:38, 0081:38, 0083:38, 0084:38, 0087:38, 0090:38, 0091:38, 0092:38, 0094:38, 0099:38, 0103:38, 0105:38, 0110:38, 0111:38, 0115:38, 0116:38, 0117:38, 0121:38, 0140:38, 0148:38, 0150:38, 0152:38, 0154:38, 0156:38, 0157:38, 0159:38, 0160:38, 0162:38, 0163:38, 0164:38, 0167:38
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	1830s Warehouse
Methodology Ref:	COMP_MET_024
Instances	1
Locations	Ground Floor
Pin Location Reference	0010:38
Breach Type	Seals around cables, cable trays
Rating	30, Minutes
Substrate	Concrete / Brick / Block
Description	ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing or backing rod. One or both sides.
NBS references	P12/360 P12/386 P12/390 P12/376
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-128-RDW and RWSD-AIS-0001
Notes	Cable tray and cables penetration through a wooden door. Can only seal from one side as other side is on show in lobby area. Appears to have hp mastic previously installed, this will need to be removed before installing the new seal



Building	1830s Warehouse
Methodology Ref:	COMP_MET_035
Instances	5
Locations	Ground Floor, Lower Ground
Pin Location Reference	0027:38, 0033:38, 0042:38, 0059:38, 0097:38
Breach Type	Firestopping at voids and around pipes.
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	2 layers ROCKWOOL Ablative coated batt, 50mm thick, with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations, both sides on one thickness of batt.
NBS references	P12/360 P12/376 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-145-RDW
Notes	See Neo comments for each instance.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_514
Instances	1
Locations	Lower Ground Floor 1380 Warehouse, W ARCH LG5B
Neo Pin Reference	0066:38
Breach Type	Firestopping seals around conduits
Rating	30 and 60 Minutes
Substrate	Drywall
Description	Remove socket, repair masonry wall, standard fire stopping detail. Isolate electricity and carefully remove existing electrical socket and enclosure. Take care not to damage brickwork any further. Take mortar samples and agree matching mortar mix via samples with the CA. Point with lime based mortar composition to match existing ROCKWOOL Ablative coated batt, 50mm thick face fixed both sides of partition. 2No. Pipe wrap rolls as per Rockwool guide, ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter of batts and penetrations, both sides.
NBS references	P12/360 P12/372 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-190-RDW
Notes	Electrical socket to the relocated. Pipes in holes in plasterboard. Plastic conduit. Will need face fixing both sides of wall.



Building	1830s Building
Methodology Ref:	COMP_MET_042
Instances	1
Locations	Lower Ground Floor 1830 Warehouse, WLG02
Neo Pin Reference	0089:38
Breach Type	Firestopping seals around plastic pipes
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	ROCKWOOL Ablative coated batt, 50mm thick face fixed both sides of partition. 40mm wide Firewrap rolls, number of as per Rockwool guide, ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter of batts, both sides.
NBS references	P12/360 P12/372 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-192-RDW
Notes	50mm plastic pipe



Building	1830s Warehouse
Methodology Ref:	COMP_MET_501
Instances	3
Locations	Ground Floor, 1830 warehouse WG05A.
Neo Pin Reference	0001:38, 0020:38, 0086:38
Breach Type	Non compliant glazing
Rating	30 Minutes
Substrate	Other
Description	Replacement of non-fire rated glazing to achieve 30mins fire rating. Ensure glazing installed with certified fire rated bedding detail.
NBS references	L40/230
AtelierMB Drawings	
Other information referenced	
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_502
Instances	3
Locations	Ground Floor, 1830 warehouse and Mezzanine.
Neo Pin Reference	0007:38, 0008:38, 0161:38
Breach Type	Firestopping around cables and cable trays.
Rating	30 and 60 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork repair/replacement prior to standard fire stopping detail. Carefully remove by hand any damaged or loose brick pieces. Take mortar samples for analysis to determine matching mix for reinstatement. Agree matching mortar mix via samples to be agreed with the CA. Install matching replacement bricks (handmade) bedded and pointed with lime based mortar, composition to match existing. ROCKWOOL FIREPRO® Ablative batt, 50mm thick with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides and around services penetrations, both sides
NBS references	Repair Specifications Sections C40, C41 and Z21 P12/360 P12/375 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-122-RDW
Notes	Prepare to enable installation



Building	1830s Warehouse
Methodology Ref:	COMP_MET_503
Instances	2
Locations	Lower Ground Floor, Ground Floor PINs 0060:38, 0006:38
Breach Type	Firestopping at voids and around pipes.
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork repair/replacement prior to standard fire stopping detail. Carefully remove by hand any damaged or loose brick pieces. Take mortar samples for analysis to determine matching mix for reinstatement. Agree matching mortar mix via samples to be agreed with the CA. Install matching replacement bricks (handmade) bedded and pointed with lime based mortar, composition to match existing. 2 layers ROCKWOOL Ablative coated batt, 50mm thick, with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations, both sides on one thickness of batt.
NBS references	Repairs Specification Sections C40, C41 and Z21 P12/360 P12/376 P12/390
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-145-RDW
Notes	See Neo comments for each instance.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_505
Instances	1
Locations	Ground floor 1830 warehouse
Neo Pin Reference	0009:38
Breach Type	Seals around cables, cable trays, conduit, pipes, trunking and holes
Rating	30, 60 and 120 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork cleaning prior to installing standard fire stopping. Carefully remove graphite coloured material from the face of the brickwork, using hand tools and poultice only. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21 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	1830s Warehouse
Methodology Ref:	COMP_MET_506
Instances	5
Locations	Ground floor, First floor, Mezzanine
Neo Pin Reference	0012:38, 0053:38, 0158:38, 0165:38, 0166:38
Breach Type	Seals around cables, cable trays, conduit, pipes, trunking and holes
Rating	30, 60 and 120 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork cleaning prior to installing standard fire stopping. Carefully remove graphite coloured material from the face of the brickwork, using hand tools and poultice only. Take mortar samples for analysis to determine matching mix for reinstatement. Agree matching mortar mix via samples to be agreed with the CA. Install matching replacement bricks (handmade) to leave the smallest opening necessary to feed the cables/pipes. Bed and point with lime based mortar composition to match existing. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21 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	1830s Warehouse
Methodology Ref:	COMP_MET_507
Instances	1
Locations	Ground floor, 1830 warehouse
Neo Pin Reference	0013:38
Breach Type	Seals around cables, cable trays, conduit, pipes, trunking and holes
Rating	30, 60 and 120 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork cleaning prior to installing standard fire stopping. Carefully remove existing foam and mastic which has been used to fill the hole in the brickwork. Using only hand tools and poultices Take mortar samples for analysis to determine matching mix for reinstatement. Agree matching mortar mix via samples to be agreed with the CA. Install matching replacement bricks (handmade) to leave the smallest opening necessary to feed the cables/pipes. Bed and point with lime based mortar composition to match existing ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21 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	1830s Warehouse
Methodology Ref:	COMP_MET_508
Instances	9
Locations	Lower Ground floor, Ground floor
Neo Pin Reference	0025:38, 0080:38, 0095:38, 0096:38, 0098:38, 0101:38, 0104:38, 0106:38, 0108:38
Breach Type	Seals around cables, cable trays, conduit, pipes, trunking and holes
Rating	30, 60 and 120 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork cleaning prior to installing standard fire stopping. Carefully remove existing mortar around cable and over the face of the masonry, using only hand tools. NB if this cannot be achieved without damaging the face of the brickwork, then the cement mortar must remain. Take mortar samples for analysis to determine matching mix for reinstatement. Agree matching mortar mix via samples to be agreed with the CA. Bed and point with lime based mortar composition to match existing ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21 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	1830s Warehouse
Methodology Ref:	COMP_MET_509
Instances	2
Locations	Ground floor
Neo Pin Reference	0030:38, 0032:38
Breach Type	Non-compliant partition
Rating	30 minutes
Substrate	Drywall
Description	Take down stud wall and install new fire rated partition with door. Carefully taken down existing timber stud partition. Install new 30 minute fire rated partition with new FD30 door. All fixing of metal studs into brickwork to be via mortar joints only. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter of new partition. Timber skirtings and architraves to match existing. Decorate new plaster and timber to match existing.
NBS references	P12/385 P12/390 K10/125
AtelierMB Drawings	See 1830's door schedule.
Other information referenced	
Notes	Relocate electrical items as required



Building	1830s Warehouse
Methodology Ref:	COMP_MET_510
Instances	1
Locations	Lower Ground Floor WLG01,
Neo Pin Reference	0037:38
Breach Type	Firestopping at Cable tray and void.
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork repair/replacement and standard fire stopping. Tidy up existing cabling as far as possible to reduce the overall size of penetration through brickwork. Reinstate matching brickwork and mortar as far as possible to leave the smallest opening necessary to feed cables/pipes. Agree matching mortar mix via samples to be agreed with the CA. Install matching replacement bricks (handmade) to leave the smallest opening necessary to feed the cables/pipes. Bed and point with lime based mortar composition to match existing 2 layers ROCKWOOL Ablative coated batt, 50mm thick, with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations, both sides on one thickness of batt.
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-145-RDW
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_511
Instances	4
Locations	Lower Ground Floor
Neo Pin Reference	0039:38, 0041:38, 0046:38, 0050:38
Breach Type	Firestopping at Cable tray, pipe , conduit and void.
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	Carefully remove loose mortar around cabling using hand tools only. Agree matching mortar mix via samples to be agreed with the CA. Install matching replacement bricks (handmade) to leave the smallest opening necessary to feed the cables/pipes. Bed and point with lime based mortar composition to match existing 2 layers ROCKWOOL Ablative coated batt, 50mm thick, with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations, both sides on one thickness of batt.
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-145-RDW
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_512
Instances	1
Locations	Lower Ground floor, Comms room Neo PIN 0058:38
Neo Pin Reference	0058:38
Breach Type	Non-compliant partition
Rating	30 minutes
Substrate	Drywall
Description	Replacement stud wall. Carefully remove redundant conduit, Carefully taken down existing board/partition. Install new partition to achieve 30mins fire resistance Seal around trunking and pipe and edges to block with standard Rockwool detail All fixing of metal studs into brickwork to be via mortar joints only. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter of new partition. Timber skirtings to match existing. Decorate new plaster and timber to match existing.
NBS references	K10
AtelierMB Drawings	
Other information referenced	Rockwool detail to be confirmed by Neo
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_516
Instances	2
Locations	Lower Ground floor, Ground floor, 1830 warehouse W ARCH LG2B
Neo Pin Reference	0074:38, 0075:38
Breach Type	Seals around cables, cable trays, conduit, pipes, trunking and holes
Rating	30, 60 and 120 Minutes
Substrate	Concrete / Brick / Block
Description	Pull back lagging. Take mortar samples and agree matching mortar mix via samples with the CA. Point brickwork around penetration with lime based mortar composition to match existing. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-128-RDW
Notes	Prepare to suit to location



Building	1830s Warehouse
Methodology Ref:	COMP_MET_515
Instances	5
Locations	Lower Ground floor, Comms room First Floor, Second Floor
Neo Pin Reference	0069:38, 0145:38 (2 no.) 0151:38 (2no.), 0100:38
Breach Type	Non-compliant partition
Rating	30 minutes
Substrate	Drywall
Description	Complete fire rated partition within existing opening. Install fire boarding to one side of existing metal stud partition within former arched/flat opening to complete standard BG details to achieve 60 minutes fire resistance. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter of new partition. Timber skirtings to match existing. Decorate new plaster and timber to match existing.
NBS references	K10
AtelierMB Drawings	110, 121, 122, 123, 822, 823
Other information referenced	Rockwool detail to be confirmed by Neo
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_517
Instances	1
Locations	Lower Ground floor, W ARCH LG2B Neo PIN 0078:38
Neo Pin Reference	0078:38
Breach Type	No partition
Rating	60 minutes
Substrate	Drywall
Description	Brickwork repointing, new stud partition, standard fire stopping details. Take mortar samples and agree matching mortar mix via samples with the CA. Point brickwork around penetration with lime based mortar composition to match existing. Form new 60minute fire rated metal stud partition within existing opening All fixings to be into mortar joints only. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter of new partition. Decorate new plaster.
NBS references	Repairs Specification Sections C40, C41 and Z21 K10
AtelierMB Drawings	120
Other information referenced	Rockwool standard detail to be confirmed by Neo
Notes	



Building	Station Building
Methodology Ref:	COMP_MET_518
Instances	1
Locations	Lower Ground Floor 1830 warehouse W ARCH LG28 Neo PIN 0079:38
Breach Type	Firestopping at voids and around pipes.
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	Reinstate brickwork, standard fire stopping detail. Take mortar samples and agree matching mortar mix via samples with the CA. Install matching replacement bricks (handmade) to reinstate brickwork course above pipe runs to leave the smallest opening necessary to feed the cables/pipes. Brick sample to be agreed with CA prior to proceeding. Reinstate brick to leave max 100mm tall gap for standard fire stopping detail. Carry out fire stopping flush to the face of the brickwork 2 layers ROCKWOOL Ablative coated batt, 50mm thick, with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations, both sides on one thickness of batt.
NBS references	
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-145-RDW
Notes	Access requirement for removable floor hatch and install if needed.

Building	1830s Warehouse
Methodology Ref:	COMP_MET_519
Instances	1
Locations	Lower Ground floor, 1830 warehouse WP01
Neo Pin Reference	0107:38
Breach Type	Fire stopping around cable trays
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork repair and standard fire stopping details. Carefully remove damage brick pieces using hand tools only. Take mortar samples for analysis to determine matching mix for reinstatement.



	Agree mortar mix with CA via samples prepared on site. Install matching replacement bricks (handmade) and bed and point with lime based mortar composition to match existing ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-128-RDW
Notes	Prepare to suit to location



Building	1830s Warehouse
Methodology Ref:	COMP_MET_520
Instances	1
Locations	Lower Ground Floor
Neo Pin Reference	0120:38
Breach Type	Fire stop at head of wall
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	Install standard rockwool detail to face of timber. Ensure the timber is not damaged or abraded in anyway during the works. 1 layer ROCKWOOL Ablative coated batt, 50mm thick, with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides. Install vertically.
NBS references	
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-126-RDW
Notes	Difficult access, some instances can only be sealed from side.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_522
Instances	3
Locations	Second Floor, 1830 warehouse
Neo Pin Reference	0125:38, 0134:38, 0142:38
Breach Type	Firestopping around cables and cable trays.
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Remove fire batt, cable rationalisation, brickwork reinstatement, standard fire stopping detail. Carefully remove existing fire batt using hand tools only. Rationalise cabling arrangement to reduce the overall size of the penetration through the brickwork. Take mortar samples and agree matching mortar mix via samples with the CA. Agree mortar mix with CA via samples prepared on site. Install matching replacement bricks (handmade) and bed and point with lime based mortar composition to match existing. ROCKWOOL FIREPRO® Ablative batt, 50mm thick with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides and around services penetrations, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-122-RDW
Notes	Prepare to enable installation



Building	1830s Warehouse
Methodology Ref:	COMP_MET_523
Instances	1
Locations	Second Floor
Neo Pin Reference	0126:38
Breach Type	Firestopping around cable trays.
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Replacement bricks, standard fire stopping detail. Carefully remove damage brick pieces using hand tools only. Take mortar samples and agree matching mortar mix via samples with the CA. Agree mortar mix with CA via samples prepared on site. Install matching replacement bricks (handmade) and bed and point with lime based mortar composition to match existing. ROCKWOOL FIREPRO® Ablative batt, 50mm thick with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides and around services penetrations, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-112-RDW
Notes	Remove plasterboard and replace with fire batt.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_524
Instances	1
Locations	Second Floor Neo PIN 0127:38
Breach Type	Firestopping around timber joists
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Replacement bricks, standard fire stopping detail. Carefully remove damage brick pieces using hand tools only. Take mortar samples and agree matching mortar mix via samples with the CA. Agree mortar mix with CA via samples prepared on site. Install matching replacement bricks (handmade) and bed and point with lime based mortar composition to match existing. 2 layers ROCKWOOL FIREPRO® Ablative batt, 50mm thick with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides both sides. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant with rod backing to gaps.
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-310-RW and RWSD-AIS-0001
Notes	Review on site prior to carrying out the work.



Building	1830s Warehouse
Methodology Ref:	COMP_MET_525
Instances	2
Locations	Second Floor
Neo Pin Reference	0128:38, 0135:38
Breach Type	Firestopping at holes in brick
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Plastic mortar repair to brickwork. Plastic mortar repair to hole in single brick. Prepare samples of mortar colour and texture finish on site for approval prior to proceeding
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_526
Instances	1
Locations	Second Floor
Neo Pin Reference	0132:38
Breach Type	Seals around cables
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Clean brickwork, brickwork reinstatement, standard fire stopping detail. Carefully remove existing foam and mastic which has been used to fill the hole in the brickwork. Hand tools only. Take mortar samples and agree matching mortar mix via samples with the CA. Agree mortar mix with CA via samples prepared on site. Install matching replacement bricks (handmade) and bed and point with lime based mortar composition to match existing. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-128-RDW
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_527
Instances	6
Locations	First floor, Second floor
Neo Pin Reference	0145:38, 0151:38, 0153:38, 0069:38
Breach Type	Ineffective barrier within former door opening
Rating	60 Minutes
Substrate	Concrete / Brick / Block
Description	Remove boarding and install new door. Carefully remove existing boarding/insulation from historic doorway. Install new 60min fire rated door to match existing door style. Apply decorative finish to new timber
NBS references	
AtelierMB Drawings	See 1830's warehouse door schedule
Other information referenced	
Notes	Door style to be confirmed



Building	1830s Warehouse
Methodology Ref:	COMP_MET_529
Instances	1
Locations	Second Floor
Neo Pin Reference	0149:38
Breach Type	Firestopping at holes in brickwork
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Replacement bricks and standard fire stopping detail. Carefully remove bricks damaged with 2 no. cut off pipes/holes. Take mortar samples and agree matching mortar mix via samples with the CA. Agree mortar mix with CA via samples prepared on site. Install matching replacement bricks (handmade) and bed and point with lime based mortar composition to match existing. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant around services penetrations with Rockwool RWA insulation backing, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-128-RDW
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_531
Instances	1
Locations	First Floor
Neo Pin Reference	0155:38
Breach Type	Firestopping around cables and cable trays.
Rating	30 and 60 Minutes
Substrate	Concrete / Brick / Block
Description	Clean off brickwork, re-bed and repoint. Standard fire stopping detail. Carefully remove existing foam and mastic which has been used to fill the hole in the brickwork. Removal by hand tools and or poultice only. Take mortar samples and agree matching mortar mix via samples with the CA. Agree mortar mix with CA via samples prepared on site. Localised repointing and re bedding of loose brickwork to match existing. ROCKWOOL FIREPRO® Ablative batt, 50mm thick with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides and around services penetrations, both sides
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	
Other information referenced	Rockwool standard firestopping detail SD-122-RDW
Notes	Prepare to enable installation



Building	1830s Warehouse
Methodology Ref:	COMP_MET_532
Instances	1
Locations	Lower Ground Floor, 1830 Warehouse
Neo Pin Reference	0068:38
Breach Type	Fire stopping at head of wall
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Install new fire rated partition to form 30 minute fire rated enclosure for storage. Include new FD30 doorset with fire sign. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter of new partition and new ceiling. Decorate new partition and timber.
NBS references	K10, P12
AtelierMB Drawings	120, 820.
Other information referenced	Rockwool standard firestopping detail SD-126-RDW . Structural engineer's advice for studs and fixings to existing walls and ceilings.
Notes	Form new enclosure.

Building	1830s Warehouse
Methodology Ref:	COMP_MET_553
Instances	1
Locations	2 nd floor – W201 stairwell.
Neo Pin Reference	0123:38
Breach Type	Fire stopping at head of wall
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Brick infill to head of wall, then standard fire stopping detail. Carefully remove any damage brick pieces using hand tools only. Take mortar samples and agree matching mortar mix via samples with the CA. Agree mortar mix with CA via samples prepared on site. Install matching replacement bricks (handmade) and bed and point with lime based mortar composition to match existing. Ensure mortar bedding is min 25mm deep to maintain fire integrity of the wall. Ensure that gap to head of wall is less than 50mm tall, then use RWSD-AIS-0001 Intumescent sealant with RWA-45 backing to seal joint between brick and timber.



NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	N/A
Other information referenced	Rockwool standard firestopping detail RWA-45 and RWSD-AIS-0001
Notes	



Building	1830s Warehouse
Methodology Ref:	COMP_MET_554
Instances	1
Locations	0129:38 – 2 nd floor W201.
Breach Type	Repair brickwork and point around timber beam
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork repair/replacement and repointing Carefully remove by hand any damaged or loose brick pieces. Take mortar samples for analysis to determine matching mix for reinstatement. Agree matching mortar mix via samples to be agreed with the CA. Cracked bricks to have lime mortar repair subject to ensuring the brick maintains its fire integrity. If the damage is too great, replacement brick to be installed- sample to be agreed prior to proceeding. Lime mortar pointing around perimeter of timber beam if gaps are wider than 10mm. Fill joint between brick/mortar with RWSD-AIS-0001 to min 10mm depth in accordance with manufacturer recommendations. Avoid any residue damaging timber – clean off as soon as possible without leaving any chemical residue.
NBS references	Repairs Specification Sections C40, C41 and Z21 P12/360 P12/376 P12/390
AtelierMB Drawings	N/A
Other information referenced	RWSD-AIS-0001
Notes	

Building	1830s Warehouse
Methodology Ref:	COMP_MET_555
Instances	1
Locations	2 nd floor W202/203
Neo Pin Reference	0130:38
Breach Type	Non fire rated infill
Rating	30 minutes
Substrate	Drywall
Description	Replacement stud wall infill and sealant to cable tray Carefully taken down existing board/partition. Install new partition to achieve 30mins fire resistance Seal around cable tray with standard Rockwool detail All fixing of timber or metal studs into brickwork to be via mortar joints only. ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter of new partition. Paint new plaster. Standard fire stopping detail ref SD-112-RDW to perimeter of cable tray – use minimal width around perimeter required by standard detail.



NBS references	
AtelierMB Drawings	N/A.
Other information referenced	Rockwool detail SD-112-RDW
Notes	

Building	1830s Warehouse
Methodology Ref:	COMP_MET_556
Instances	3
Locations	Second Floor 0131:38 , 0138:38 , 0147:38
Breach Type	Fire stop at head of wall
Rating	30 and 60 Minutes
Substrate	Concrete / Brick / Block
Description	a) Fill gaps between masonry and soffit with lime mortar OR b) fire batt and sealant Method depends on soffit material and will need to be inspected on site once scaffold is erected. If the soffit is a solid wall then option a) can be used. Otherwise, option b) is required. a) Take mortar samples and agree matching mortar mix via samples with the CA. Agree mortar mix with CA via samples prepared on site. Install lime based mortar - composition to match existing. Ensure mortar bedding is min 25mm deep to maintain fire integrity of the wall. Fully seal junction with soffit. b) 1 layer ROCKWOOL Ablative coated batt, 50mm thick, with ROCKWOOL FIREPRO® Acoustic Intumescent Sealant to perimeter, both sides. Install vertically.
NBS references	
AtelierMB Drawings	N/A
Other information referenced	Rockwool standard firestopping detail SD-126-RDW
Notes	

Building	1830s Warehouse
Methodology Ref:	COMP_MET_557
Instances	3
Locations	Second floor - 0137:38, 0146:38, 0038:38



Breach Type	Point around timber beam
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Take mortar samples for analysis to determine matching mix for reinstatement. Agree matching mortar mix via samples to be agreed with the CA. Lime mortar pointing around perimeter of timber beam if gaps are wider than 10mm. Ensure pointing depth minimum 25mm to maintain fire integrity of the wall. Fill joint between brick/mortar with RWSD-AIS-0001 to min 10mm depth in accordance with manufacturer recommendations. Avoid any residue damaging timber – clean off as soon as possible without leaving any chemical residue. NB if both sides of the beam are accessible, carry out repointing and sealant to both sides.
NBS references	Repairs Specification Sections C40, C41 and Z21
AtelierMB Drawings	N/A
Other information referenced	
Notes	

Building	1830s Warehouse
Methodology Ref:	COMP_MET_558
Instances	1
Locations	Lower ground - pin A1LGW04
Breach Type	Repair brickwork and insert new timber floorboard
Rating	30 Minutes
Substrate	Concrete / Brick / Block
Description	Brickwork repair/replacement and repointing Carefully remove by hand any damaged or loose brick pieces. Take mortar samples for analysis to determine matching mix for reinstatement. Agree matching mortar mix via samples to be agreed with the CA. Damaged/broken off brick faces to be locally repaired with a lime mortar putty - subject to ensuring the brick maintains its fire integrity. If the damage is too great, replacement brick to be installed- sample to be agreed prior to proceeding. Carefully cut off the edge of the floorboards above the damaged brickwork – where they do not end with a vertical face. Cut back the minimum fabric necessary to obtain a sound vertical face. Install a new piece of matching timber across the ends of the floorboards to fill gap with stone cill. Agree hardwood timber sample prior to proceeding. Lime mortar fill any residual gaps to maintain fire integrity of the junction (floor meeting riser shaft). Avoid any residue damaging timber – clean off as soon as possible without leaving any chemical residue.
NBS references	Repairs Specification Sections C40, C41 and Z21, C51
AtelierMB Drawings	121, 821



Other information referenced	
Notes	



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