

Allow for 920 x 920mm opening to align with brick courses. For new lintel refer to SE drawing and specification.
New double-glazed aluminium-framed external door providing access to the voids above Gallery Room 01. Refer to NBS L20/480

Allow to strip the existing services, renovate the roof, renew the chillers on big foot supports as stated on Max Fordham's drawings for Mechanical and Electrically proposals.

New aluminium gutter to full length of north and south elevation of Roof slopes 18, 19 and 20. Refer to NBS R10. Downpipes at each end to discharge rainwater via shoe beside each corner of the building rather than moving across the surface of the roof covering below.

Notes	
1.	Any dwg format drawing is to be read in conjunction with and at the scale of the accompanying pdf.
2.	Where colours other than black or grey are used, the drawing must be plotted in colour.
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Drawing Status	
F	Feasibility
S	Sketch Design
P	Planning
B	Building Control
D	Developed Design
M	Measurement
T	Tender
C	Construction
R	Record

Rev	Date	Dwn	Auth	Revision
7	22/10/20	FXS	MTO	lighting conductor note updated
6	15/10/20	FXS	MTO	section 01 direction and drawing key updated, gutter lining added
5	17/09/20	FXS	MTO	u-values added, key updated, fall arrest info added
4	04/09/20	FXS	MTO	annotations updated
3	21/08/20	FXS	MTO	for stage 4 costing and coordination
2	03/06/20	EJ	EJ	Annotation Updated
1	01/05/20	EJ	EJ	Annotation Updated
0	28/04/20	EJ	EJ	Initial Issue

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Donald Insall Associates

Chartered Architects and Historic Building Consultants

Walker Art Gallery, Liverpool

Roofslope 18 - 20

Roof Plan As Proposed

Project

WAGL.01

Scale (A1)

1:50

No

2230

Status

D

Revision

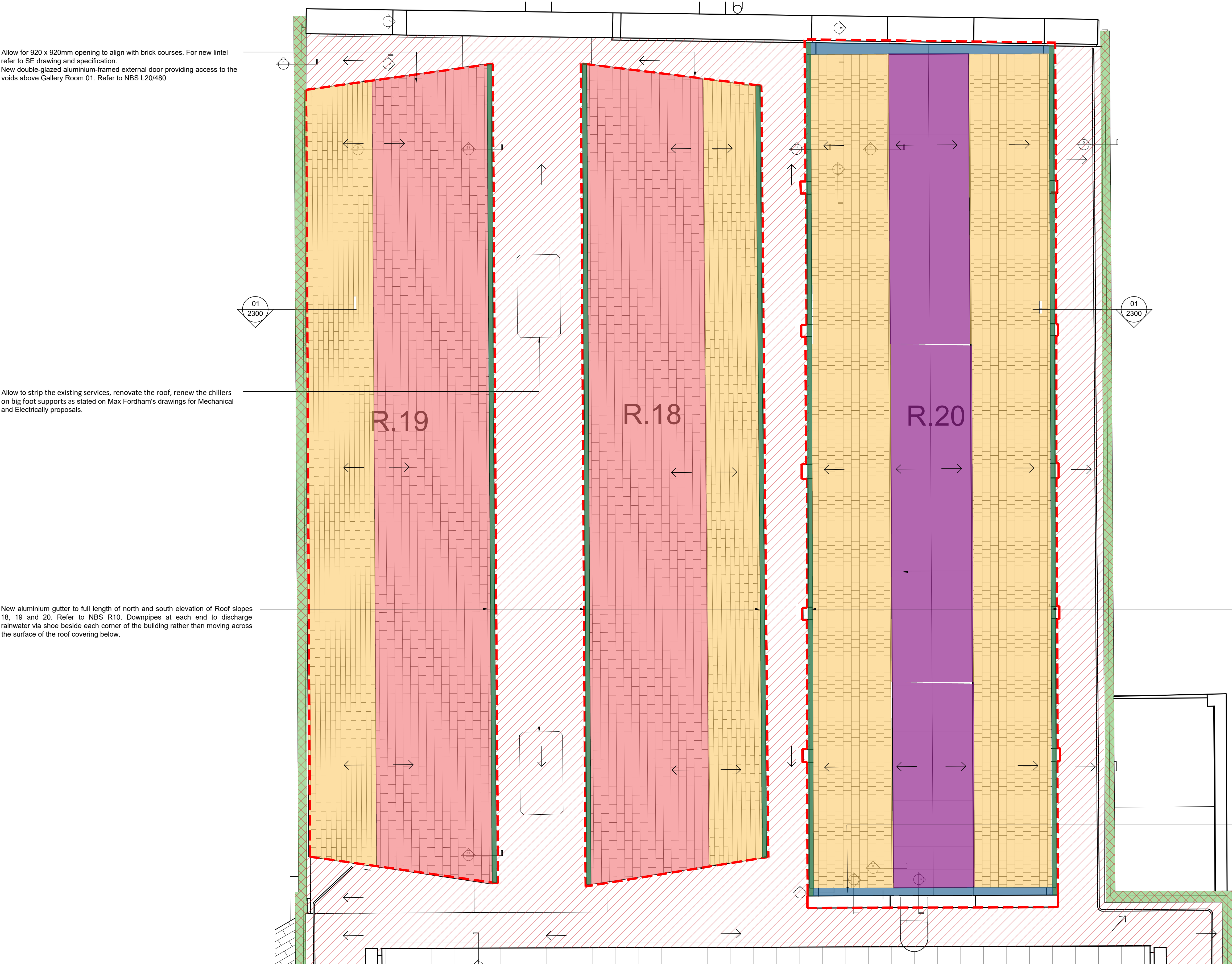
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Key

PRINT IN COLOUR FOR CLARITY

New traditional lead edge gutter as NBS H71/209

New insulation as NBS P10 and drawings 3302-3306. Lay new slate roof covering to match adjacent roof slopes as NBS H62.

New insulation as NBS P10 and drawings 3302-3306. Relay salvaged slate roof covering as NBS H62. Allow for 25% new slates as NBS H62/110.

New Sika Decothane Ultra 25 gutter lining as J31. Allow for new overflow to all hoppers by coring hole and lead line with new lead spitter.

New Sika Decothane Ultra 25 roof covering as J31 with integrated non-slip aggregate to walkways

New standing seam zinc roof as H74. Refer to drawings 3304-3306.

New proprietary aluminium gutter as NBS J31, R10/311 and 370A, allow for two outlets per gutter run; one to each end with pipe shoe fitted. The area where water discharges should be protected with a tile, slab or otherwise be reinforced to provide an extra wearing surface.

direction of roof falls (high point to low point)

roof slope boundary

Specialist Design

Lightening Conductor Design

Existing lightening conductor tape spans across the surface of roof slope 18, 19 and 20 to be carefully removed and replaced with new to specialist design. Refer to roof finish manufacturers' specialist details.

Fall Arrest System Design

Fall Arrest support spans across the surface of roof slope 20 to specialist design. Refer to zinc roof finish manufacturers' specialist standing seam fixing clamp (S-5-E) details.

Proposed u-Values (as supplied by Ty Mawr, based on build-up as highlighted in detail drawing 3300-3308 and NBS)

Roof 18 (double pitched roof: new slate cover) = 0.24 W/m2k

Roof 19 (double pitched roof: new slate cover) = 0.24 W/m2k

Roof 20 (mansard-type roof: new slate cover to pitched cheeks) = 0.16 W/m2k

Roof 20 (mansard-type roof: new zinc cover to flat top) = 0.24 W/m2k