

LEGEND

Any penetrations through area denoted to provide 60 minutes fire resistance integrity and insulation - 3 metres from adjoining walls

Existing roof to be underdrawn to provide 30 minutes fire resistance integrity and insulation.

Fire Stopping Works

All fire stopping works **must** be carried out by REDOM. There is also the governance piece particularly ensuring that all works are identified on Bolster (initial survey) and then updated in Bolster post completion with the appropriate evidence for Trust assurances (photographic and certification).

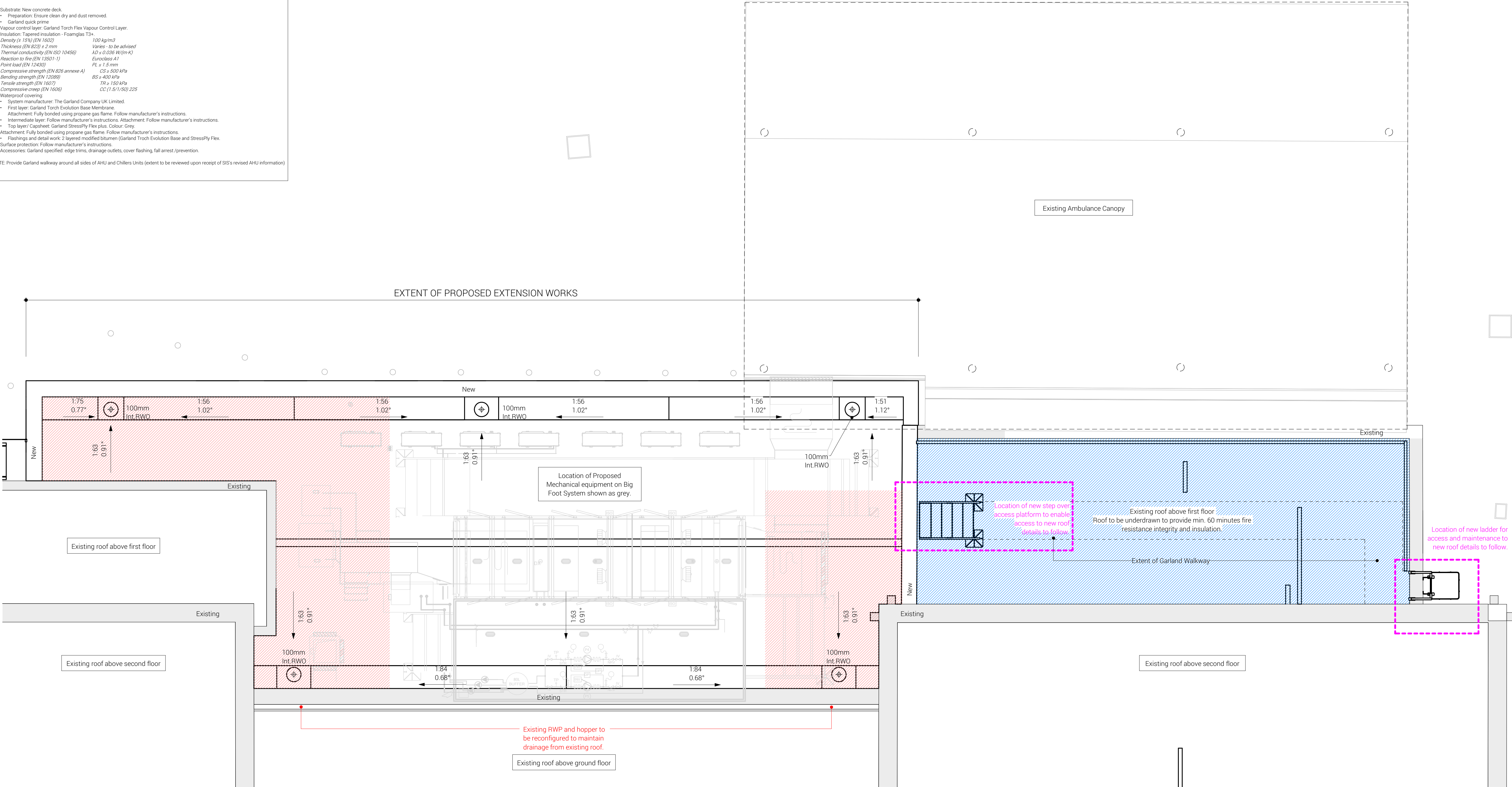
J41 Reinforced bitumen membrane roof coverings

110 BUILT-UP REINFORCED BITUMEN MEMBRANE WARM DECK ROOF COVERING

- Substrate: New concrete deck.
- Preparation: Ensure clean dry and dust removed.
- Garland quick prime
- Vapour control layer: Garland Torch Flex Vapour Control Layer.
- Insulation: Tapered insulation - Foamglas T3+
Density ($\pm 15\%$) (EN 1602) 100 kg/m³
Thickness (EN 823) ± 2 mm Varies - to be advised
Thermal conductivity (EN ISO 10456) $\lambda D \pm 0.036$ W/(m.K)
Reaction to fire (EN 13501-1) Euroclass A1
Point load (EN 12430) PL ≥ 1.5 mm
Compressive strength (EN 826 annex A) CS ≥ 500 kPa
Bending strength (EN 12089) BS ≥ 400 kPa
Tensile strength (EN 1607) TR ≥ 150 kPa
Compressive creep (EN 1606) CC (1.5/1/50) 225
- Waterproof covering.
- System manufacturer: The Garland Company UK Limited.
- First layer: Garland Torch Evolution Base Membrane.
Attachment: Fully bonded using propane gas flame. Follow manufacturer's instructions.
- Intermediate layer: Follow manufacturer's instructions. Attachment: Follow manufacturer's instructions.
- Top layer/ Capsheet: Garland StressPly Flex plus. Colour: Grey.
Attachment: Fully bonded using propane gas flame. Follow manufacturer's instructions.
- Flashings and detail work: 2 layered modified bitumen (Garland Torch Evolution Base and StressPly Flex.
- Surface protection: Follow manufacturer's instructions.
- Accessories: Garland specified: edge trims, drainage outlets, cover flashing, fall arrest / prevention.

NOTE: Provide Garland walkway around all sides of AHU and Chillers Units (extent to be reviewed upon receipt of SIS's revised AHU information)

EXTENT OF PROPOSED EXTENSION WORKS



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0.5 0 0.5 1 1.5 2 2.5
SCALE 1:50 m

D	Issued for Planning	28.02.23	SU
C	Stage 3 issue.	18.11.22	HA
B	Additional information added to roof.	06.10.22	HA
A	First Floor Plan	09.09.22	HG
REV	DESCRIPTION	DATE	REV BY

CLIENT
Northern Care Alliance NHS Group

PROJECT
ED Reconfiguration, Fairfield General Hospital

DRAWING
Proposed Roof Plan (Ph1)

SCALE 1:50 @ A1		FIRST ISSUED 09/09/22	
PROJECT 137022	CLIENT REF NCA	DRAWN BY HA	CHECKED BY HA
ORIGIN DAY	VOLUME XX	LEVEL 01	TYPE DR
ROLE A	NUMBER 201001	REVISION D	
SUITABILITY PLANNING			

DAY

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