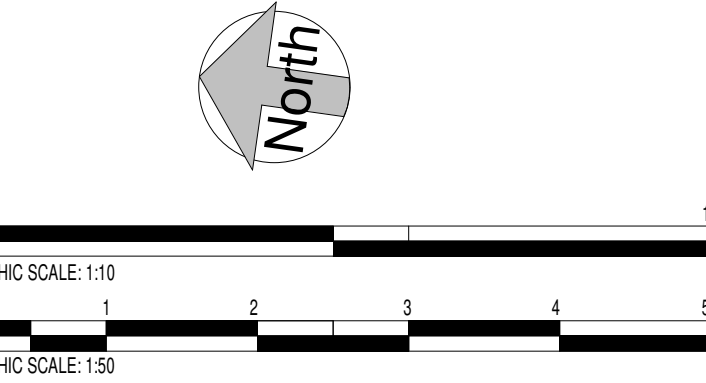


Copyright: of this drawing is vested in the Architect and it must not be copied or reproduced without consent. **Printing:** Please note that paper prints of this drawing may not be an accurate reproduction of the given scale. Key dimensions are noted for reference. Purpose: Unless marked as such drawing should not be used for Construction purposes. Detailed setting out drawings will need to be supplied for Tender and Construction purposes. Figured dimensions only are to be taken from this drawing. All Dimensions and Levels are to be checked on site, prior to commencement. All contractors are to be responsible for taking and checking all dimensions relative to their work. Dimensions are in millimetres unless otherwise stated. bpArchitecture are to be advised of any variation between drawings and site conditions. CoOrdination This drawings is to be read in conjunction with all other consultant's drawings, specifications and schedules. CDM: Work must not start on site before a Construction Phase Health and Safety Plan is in place (if applicable). The Client is responsible for ensuring that a Principal Designer and/or Principal Contractor has been appointed and the Health and Safety executive have been notified (for projects which will involve more than 500 person days and/or will last more than 30 working days on site).....IF IN DOUBT ASK

Rev	Drawn	Comments	Date
1	SS	Record of presentation at client meeting on 22nd September 2020.	22/09/2020
2	SS	Construction revised to allow for future upper storey extension.	28/09/2020
3	SS	Roof detail and notes added.	13 Oct 2020
4	SS	Roof plan revised to span over the whole kitchen. Mansafe rails added and existing re-located airconditioning units added.	14 Oct 2020
5	BPA	Tender.	16 Oct 2020

- To be read in conjunction with Civic Hall drawings:-
- Setting Out Plans A2-001 to A2-005
 - Detailed Set Out Elevations
 - Window and Door Schedules A3-001 to A3-009
 - Floor Finishes and Room Schedules A4-001 to A4-008
 - Reflected Ceilings A6-001
 - Detailed Room Layouts A7-001 to A7-046
 - Fire Strategy Plan A8-001
 - External Works Drawings A9-001 to A9-003

Roof areas highlighted blue indicate proposed roofs



Proposed Roof Plan

1 : 50

PART A: STRUCTURE

Roof Covering

All materials used to cover roofs shall be capable of safely withstanding the concentrated imposed loads upon roofs specified BS EN 1991-1-1:2002

PART K: PROTECTION FROM FALLING FROM THE ROOF

Any roof to which people have access shall be provided with barriers where it is necessary to protect people in and about the building from falling.

In buildings other than dwellings provide pedestrian guarding that is capable of preventing people from falling more than the height of two risers (or 380mm, if not part of a stair).

Roof guarding should be provided in the locations shown on plan. A wall or parapet can be used as guarding.

The guarding height has been determined in accordance with Part K, Dia. 3.1 Guarding Design, Building Category, Residential, institutional, educations, office and public buildings in all locations should be to a total height of 1100mm.

Guarding of areas used for maintenance

For all buildings

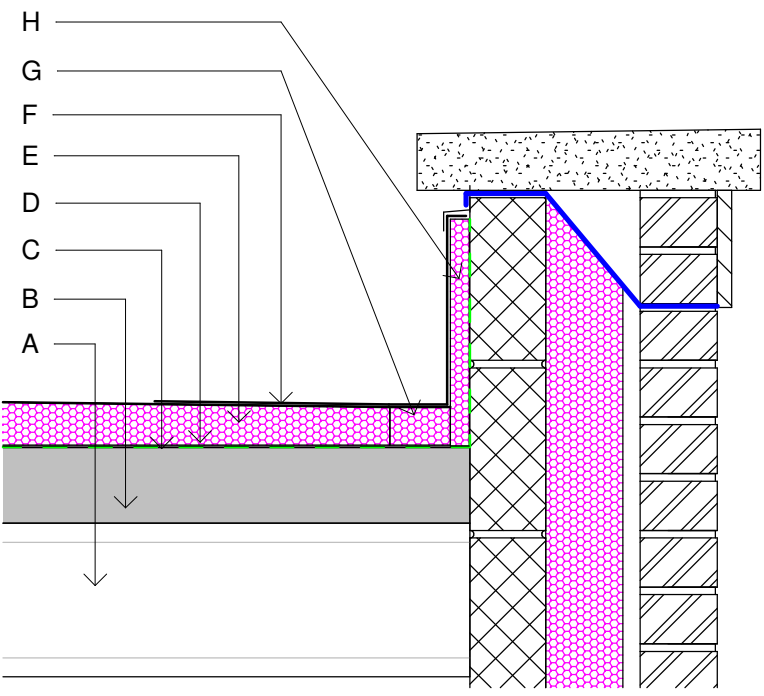
Where people will use the stairs or ladders to acces areas for maintenance less frequently than once a month; it may be appropriate to use temporary guarding or warning notices. The Construction (Design and Management) Regulations 2007 and the Work at Height Regulations 2005 give provisions for such measures. If access will be required frequently (eg. a min of once per month); follow provisions such as those suggested for dwellings in the dia. 3.1).

Flat Warm Roof Construction:

The proposed roof structure is being designed to be futureproof for a future first floor upper extension. The proposed insulation and roof finish will be stripped at a later date to reveal a flat floor deck for the future extension.

- The flat roof to the main area is to comprise of a steel frame with a cantilevered roof spanning over the existing kitchen, piercing the kitchen outer wall, the steels are to be placed between the existing kitchen roof rafters, all to be designed by the structural engineer.
- Steel frame will support a **Kingspan Multideck M50-V3 100mm concrete deck**.
- Vapour control layer
- Protection layer (optional)
- Tapered insulation to achieve a 0.18W/m2K/W U-value
- Single ply non-bituminous membrane mechanically fixed.
- Kingspan Insulated gutter
- Insulation upstand min 300mm from bottom of surface of horizontal insulation.

Allow for a 50mm screed above the Kingspan Multideck M50-v3



Parapet Detail

1 : 10

Roof

Part L2A: Thermal Performance

Warm Roof Insulation

The u-value threshold requirement is 0.25 W/m2 K/W, however the the target u-value Part L2A recommends is 0.18W/m2K/W.

Accessories

All fascias, soffits, barge boards are to be white UPVC or white painted timber, perimeter of UPVC to be fully mastic sealed to adjacent surfaces.

Part F: Roof Ventilation

SVP Termination at Roof Level

SVP's to terminate at roof level and fitted with a ventilation cowl. Box in SVP as shown where it passes through the building with 12.5 mm plasterboard, filled and taped joints, provide glass fibre insulation to lag pipe. Air admittance valves to be fitted to soil pipe in a position not liable to freezing, above the flood level of the highest sanitary fitting being served.

Mechanical Extract Ventilation Via the Roof

To complete

Part B: Fire Safety

To Complete

Rooflights

Provide 4no rooflights

Part L2A: Thermal Performance

Rooflights to have a min 1.8 W/m2K / 15%FF

Tender

Package GA and Superstructure	
Dwg Stage	Dwg Status
RIBA Stage 4A: Tehcnical Design	
Date	Setember 2020
Scale @A1	As indicated
Project No	Originator Block Level Type
20-051-BPA-CH-00-DR-	A0-011 T 5

Print Date: 16/10/2020 12:34:51

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