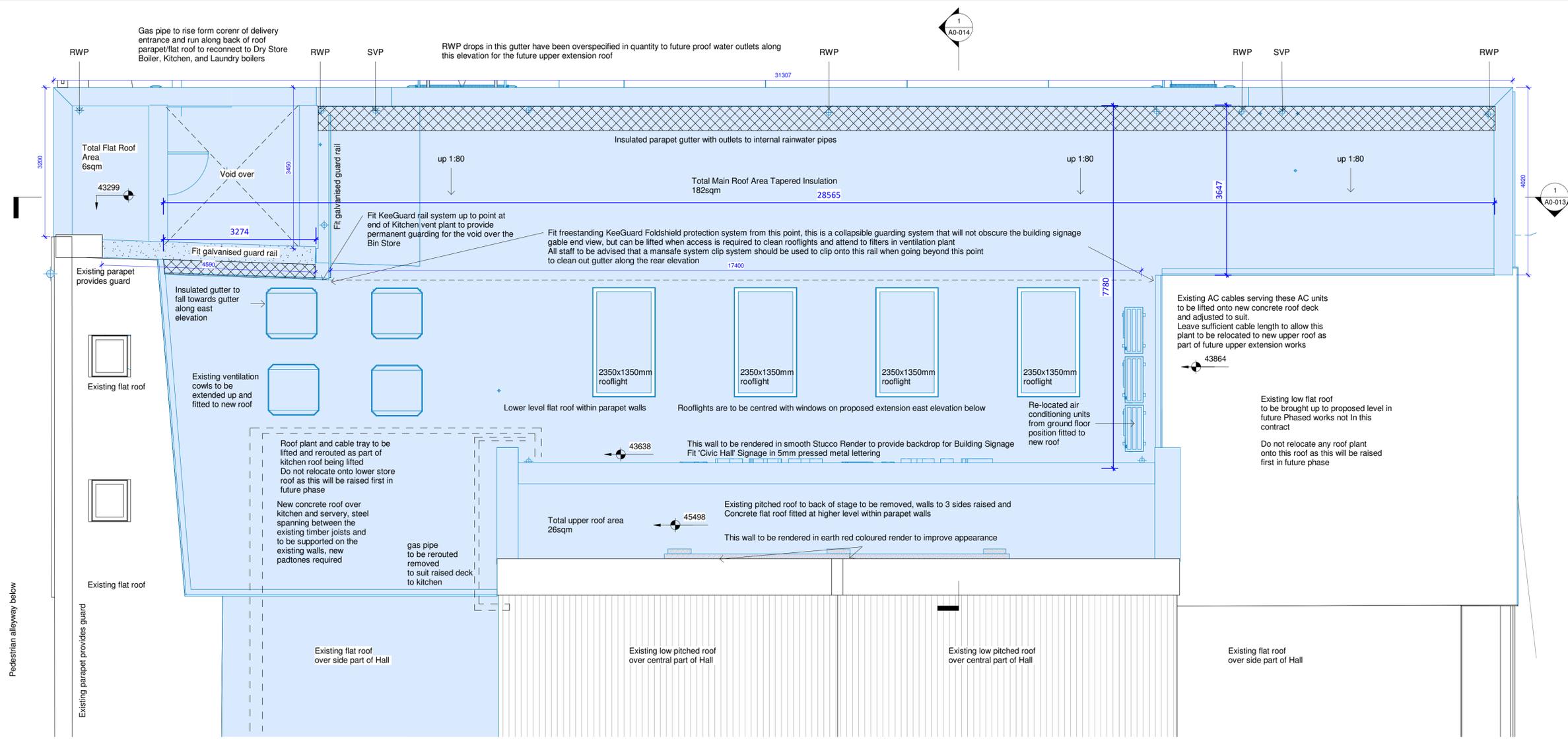
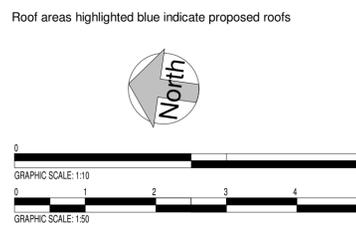


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Rev	Drawn	Comments	Date
1	SS	Record of presentation at client meeting on 22nd September 2020.	22/09/2020
2	SS	Construction revised to allow for future upper storey extension.	28/09/2020
3	SS	Roof detail and notes added.	13 Oct 2020
4	SS	Roof plan revised 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
6	SS	Rooflight dimensions amended.	20/10/2020



- 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



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, educational, office and public buildings in all locations should be to a total height of 1100mm.

Guarding of areas used for maintenance

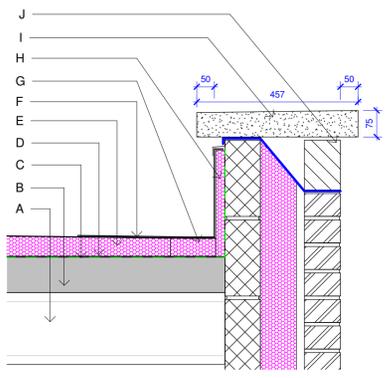
For all buildings
Where people will use the stairs or ladders to access areas for maintenance less frequently than once a month; it may be appropriate to use temporary guarding or warning notices. The Construction (Design and Management) Regulations 2007 and the Work at Height Regulations 2005 give provisions 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.
- Coping stone.
- Stone band.

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 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: Technical Design

Date **September 2020** Drawn **SS**
Scale @A1 **As indicated** Checked **BSP**

Project No **20-051-BPA-CH-00-DR- A0-011 T 6**

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