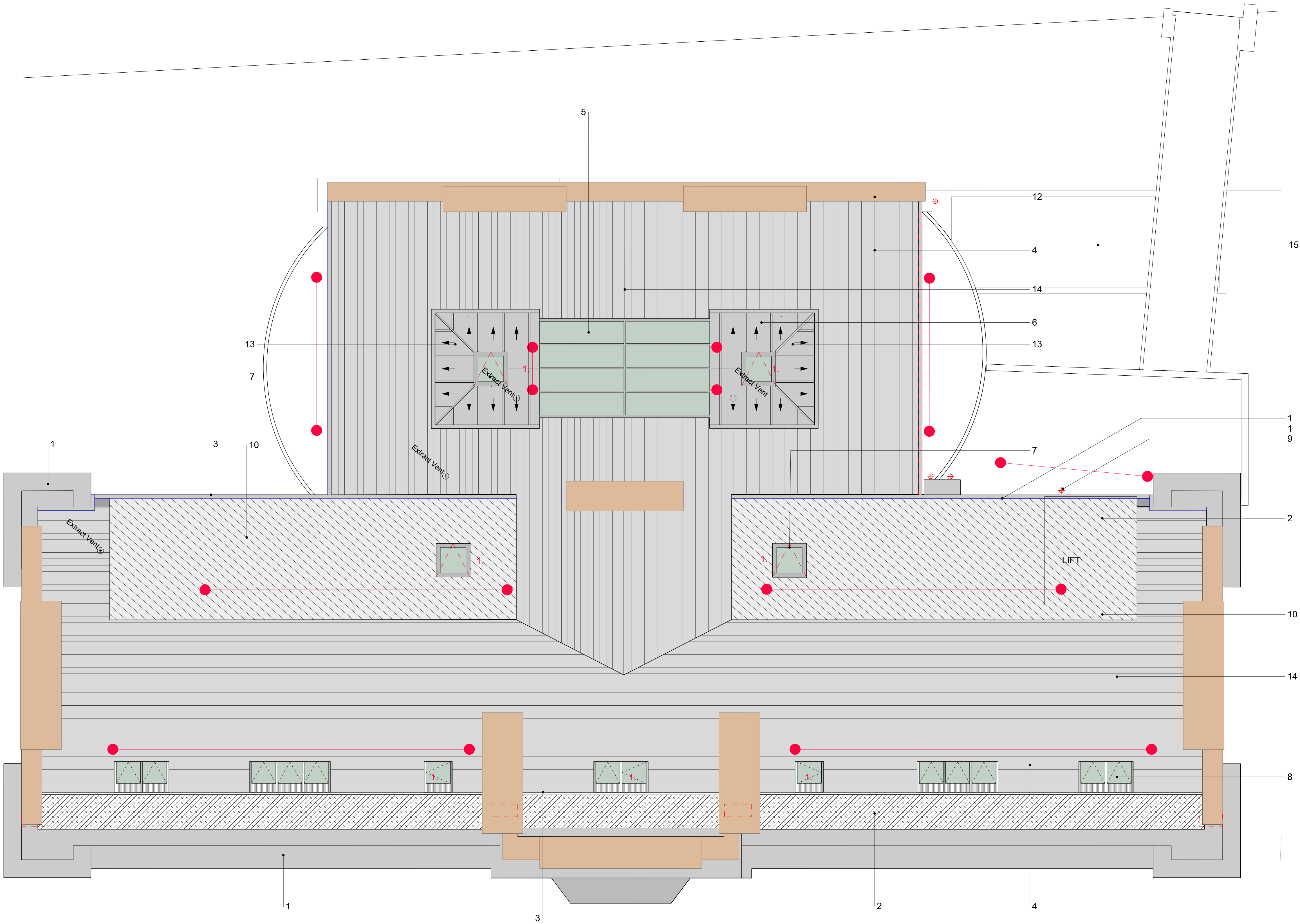




- KEY:
- Terracotta
 - Roof type 02 - Flat roofs, single ply membrane (Cold Roof)
 - Roof type 01 - Pitched roofs, natural slate
 - Roof type 03 - Lead Sheet
 - Roof type 04 - Flat roofs, single ply membrane (Warm Roof)

- ROOFS
- ROOF TYPE 01 - NEW PITCHED ROOF** (minimum U-value of 0.18W/sq.m.C.): Natural slate roof on 25 x 50mm treated battens, on 38mm counterbattens. Counterbattens fixed using proprietary screws through 80mm Pavatherm sarking insulation. H62.105. Sarking insulation taped to provide weathertightness. 150 x 50 rafters as SE details with with Pavaflex insulation between. P10.140A Internal sheathing board to provide Vapour control & Airtightness fixed to underside of rafters. P10.310. 13mm plasterboard ceiling on 25mm battens fixed below, K10.250.
 - ROOF TYPE 02 - NEW FLAT ROOFS (Modern Dormers)** (minimum U-value of 0.18W/sq.m.C): Single ply roof covering to flat roof on 18mm plywood fixed on timber firrings at 450 centres to give 1 in 60 fall. Joints in membrane to be lapped and sealed over 100mm wide jointing strip to provide neat, flush finish. Location of joints to be agreed on site. 50 x 50mm counterbattens screwed through 100mm Pavatherm Plus sarking insulation to roof joists below, P10.149A. 150 x 50 flat roof joists as SE details with with Pavaflex insulation between. P10.140A Internal sheathing board to provide Vapour control & Airtightness fixed to underside of rafters. P10.310. 13mm plasterboard ceiling on 25mm battens fixed below, K10.250.
 - ROOF TYPE 03 - FLAT ROOFS (traditional Dormers)** (minimum U-value of 0.18W/sq.m.C): Lead roof covering to flat roof on 18mm plywood fixed on timber firrings. H71.110. Cavity between firrings to be ventilated. Flat roof joists as SE details with with insulation between. P10.141. Insulated plasterboard fixed to underside of rafters, K10.247.
 - LEAD FLASHINGS & WEATHERINGS:** To be incorporated within all roofs as follows:
 - Valley Gutters: Code 4 lead flashings of 1.5m maximum length at all junctions of pitched roof slopes;
 - Horizontal Abutments: Code 4 lead cover flashings of 1.5m maximum length below continuous pitch polymer cavity trays at all junctions of roof finishes and external walls. Flashings are to have a minimum cover of 100mm and 150mm to upstands and pitched roof finishes respectively, the flashing being dressed and clipped to seal the junction.
 - Sloping Abutments: Preformed cavity trays with integral code 4 lead apron flashing at all junctions of pitched roof finishes and external cavity walls. Code 3 lead soakers are to be integrated with each tile, their length being equal to the gauge + lap + 25mm and not less than 75mm upstand and more than 100mm underlap.
 - Cornices, parapet walls and projections: Code 6 lead, fixings comprise copper or stainless-steel clips incorporated into wells in exposed locations. Cover flashings lengths must not exceed 1.5m. Refer 'The Lead Sheet Association (LSA) - Complete Manual' for workmanship.
 - Above ground surface water drainage to be via polyester powder coated aluminium gutters and downpipes, the latter discharging to the underground drainage system via back-inlet gulleys, with rodding-eyes (RE) where indicated.

GA 355 - Roof Plan as Proposed
SCALE 1:50 @ A1, 1:100 @ A3

Notes:

Responsibility is not accepted for errors made by others scaling from this drawing.

All construction information should be taken from figured dimensions only. Dimensions are in millimetres unless otherwise stated.

All dimensions and conditions are to be checked on site prior to preparing drawings or commencing any work.

Any variations or supplementary drawings are to be approved by The Architect.

- Notes
- Code 6 lead covering fitted to all cornices, parapet walls and projections in accordance with the LSA manual. H71.250.
 - Single ply warm deck roof covering. J42.112.
 - Box section PPC aluminium gutter, R10.312. Depth to match depth of terracotta cladding below.
 - Natural slate roof on 25 x 50mm treated battens, on breather membrane over 38mm counterbattens. Counterbattens fixed using proprietary screws through 80mm Pavatherm sarking insulation. H62.105A.
 - PPC aluminium patent glazing system. H10.115
 - Lead Roof Covering. H71.110.
 - Aluminium patent access hatch. L10.460A
 - Aluminium rooflights. Multiple rooflights to have 'type A' links. Spec L10.481.
 - Nom.100x100 PPC aluminium downpipes, R10.370.
 - Single ply cold deck roof covering. J42.131.
 - Box section PPC aluminium gutter, R10.311.
 - Terracotta coping to match existing chimneys. F30.760A

- Traditional cast iron, Ogee gutters, R10.315 A
- Mortar bedded clay ridge tiles, H62.740.
- Bat roost structure as part of the ecology mitigation strategy. See drawing GA 700.

E	19/03/2020	Updated in accordance with ecology mitigation strategy. Title block altered.
D	22/09/2016	Rear chimneys omitted and existing retained.
C	05/09/16	Dormer flat roof dimension increased. Notes updated accordingly.
B	25/07/2016	Appearance and scale of rear dormers altered. Conservation rooflights added in lieu of front dormers.
A	20/06/2016	Lead weathering updated. Roof key added. Notes updated accordingly.
NO		Title box altered to accord with issue sheet.
NO	DATE	REVISION
CLIENT		
Merthyr Tydfil CBC		
PROJECT		
YMCA, Merthyr Tydfil		
DRAWING TITLE		
Roof Plan		
DRAWN/CHECKED:	SCALE	DATE
DC, CW, TR	1:50 @ A1	Aug. 2019
DRAWING NO.	REV.	
3510_GA_355	E	

DAVIES
SUTTON
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