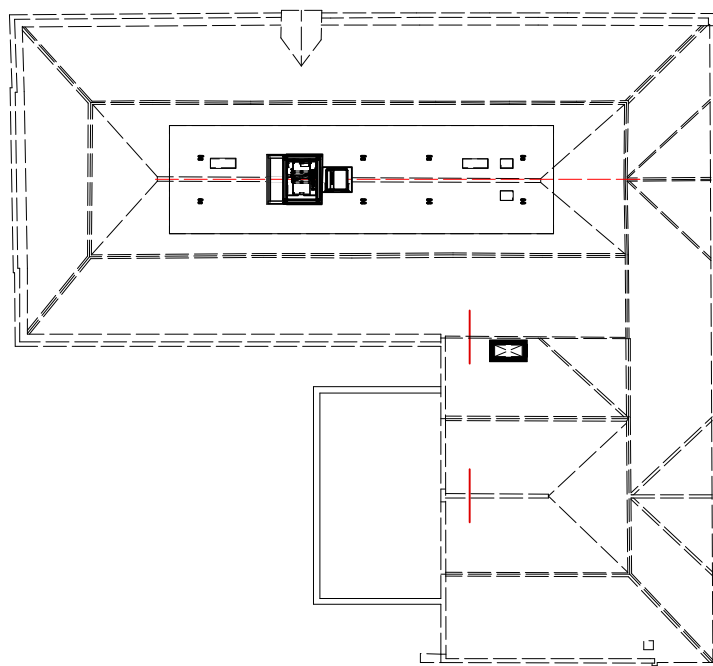
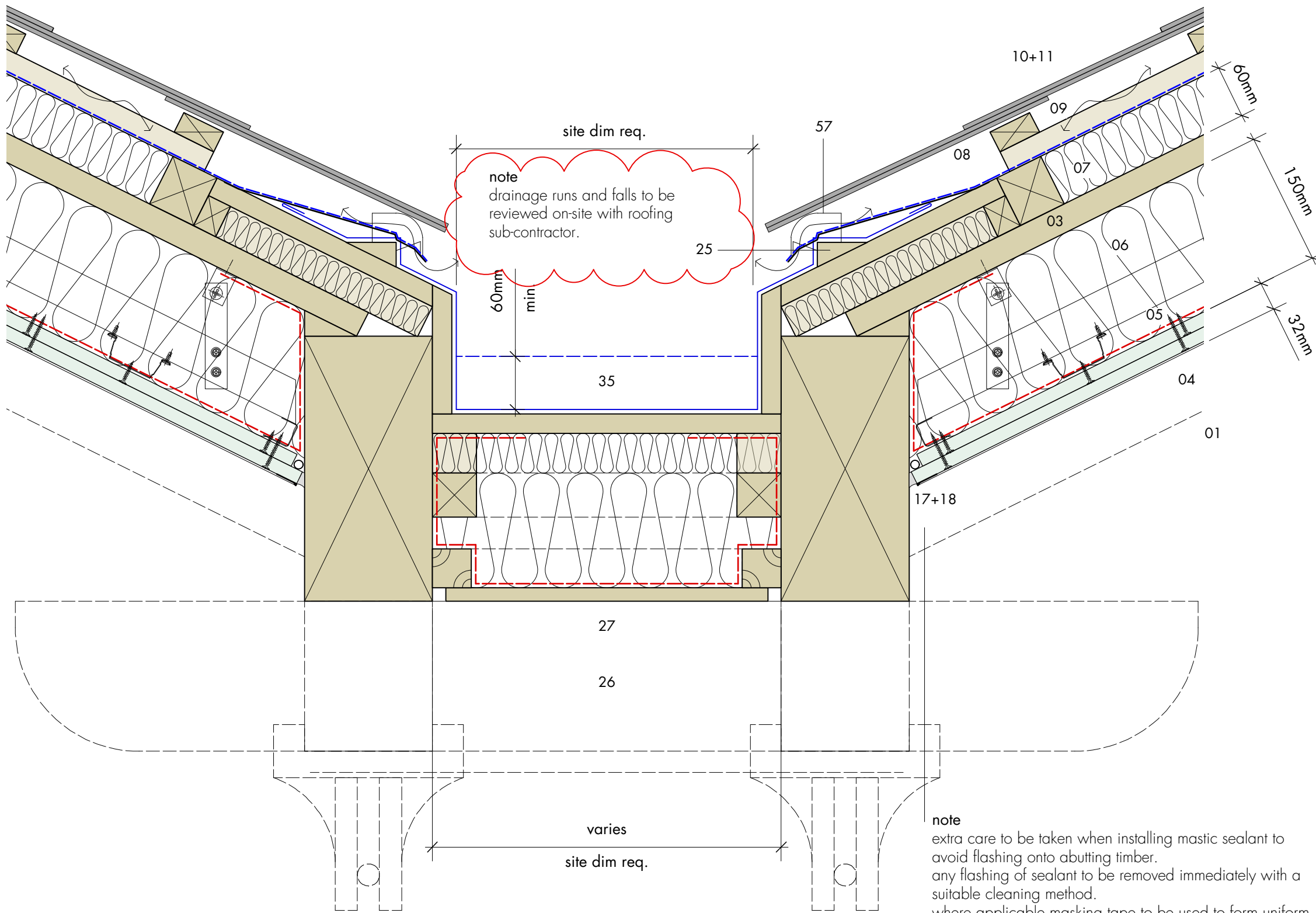
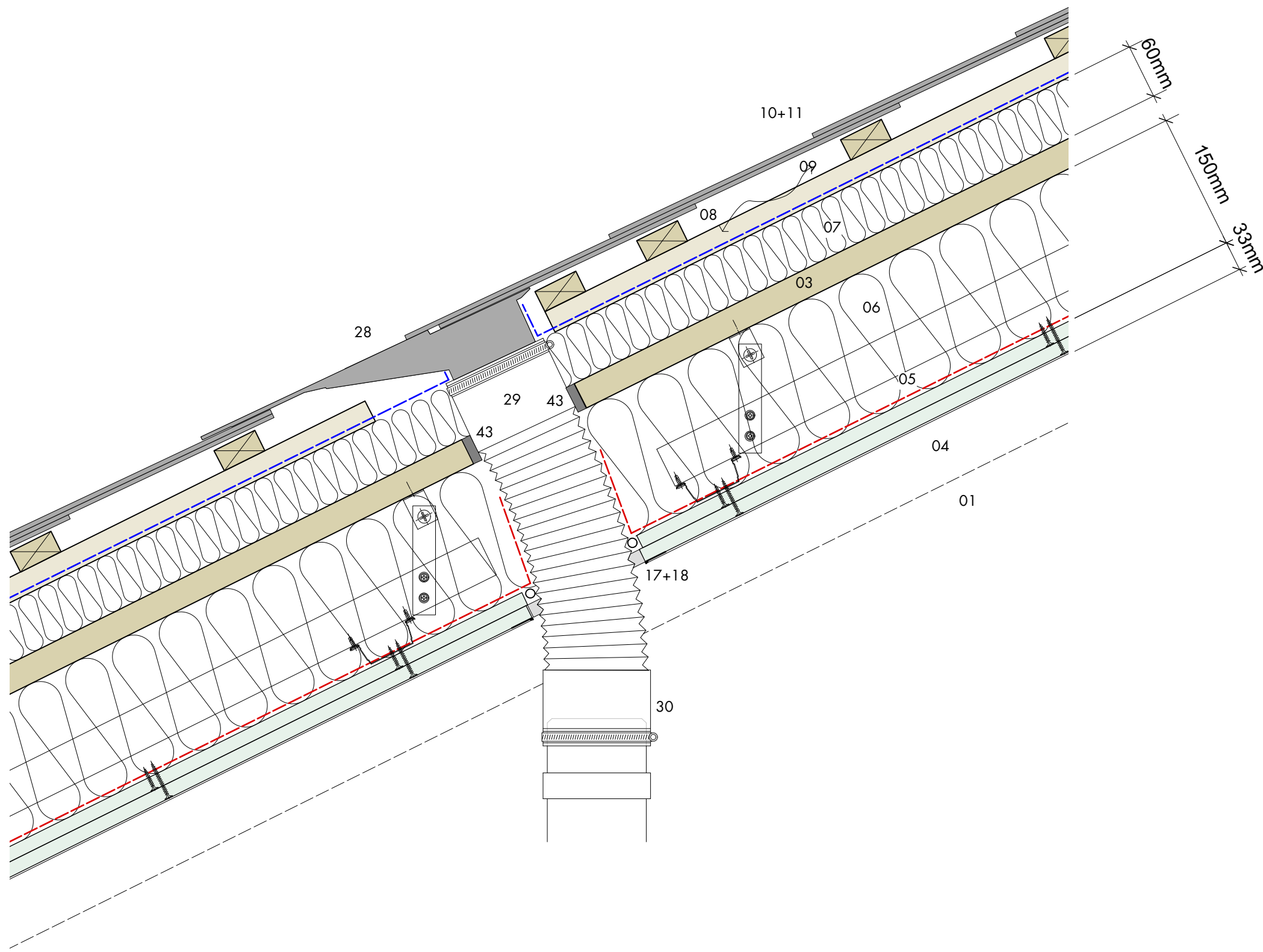




detail location plan

KAM-SKM-MH-R1-DR-A-(27)552/01 • typical central valley detail



KAM-SKM-MH-R1-DR-A-(27)552/02 • ventilation/extract roof penetration detail

- existing trusses
 - indicated dotted for reference only
 - prepared and clearsealer finished - spec. tbc
- existing purlins
- existing sarking board
- 15mm duoline board • K10/220A
 - 2 layers
 - suspended on mt metal framed suspended ceiling system with acoustic resilient bar hangers
- vapour control layer • P10/310
 - fixed using stainless steel staples at appropriate centres
 - membrane to be permanently fixed with a timber batten or the internal lining
- insulation • P10/142
 - 150mm rockwool 'flexi' within partial depth of purlin
- insulation • P10/140
 - 60mm rockwool 'hardrock multifix dd' laid on top of existing sarking board
 - secured with vertical batten fixed through insulation to board beneath.
- continuous air gap
- breather membrane • H62/235A
 - fixed to rafters
- timber battens • G20/270
 - 25x50 softwood, pretreated
 - vertical battens applied on top of insulation and fixed through insulation to existing sarking board beneath
 - horizontal battens laid for slate fixing
- new slates • H62/150
 - slate size to be confirmed following review by specialist roofing subcontractor
 - uniform laying pattern
- marley RidgeFast - or accept. equivalent
- ridge/ hip angled tiles to match slates - mechanically fixed to support batten
- as ridge /hip lining strip
 - fixed by ss ring shanks to each rafter
- existing ridge board
- continuous ridge/hip ventilation gap
- acoustic sealant on backing rod
 - extra care to be taken to avoid flashing of sealant
 - masking tape to be used to form uniform clean edge.
- stop bead
 - expansion or acceptable equivalent.
- existing hip rafter
- marley HipFast system with accessory tray - or accept. equivalent
- lead sockets • H71/440
- bulk fill mineral wool insulation
- existing valley rafter
- lead valley gutter
 - to BS EN 12588 code 6 or 7
- filling fillet
- existing truss saddle
- 27 painted MDF board - colour: refer to finishes schedule
- compact inline slate ventilator, svp/ extract vent
 - to match slate colour
- pipe adaptor
- flexible pipe within ceiling zone / internal partition
- cavity barrier • P10/410A - min. density of 80kg/m3
- rockwool 'fire barrier' in roof build up above separation wall
- cavity barrier • P10/410B - min. density of 80kg/m3
- rockwool 'RWA45' between battens below roof slates
- party wall construction with 25mm BG deflection head
 - for wall construction refer to internal wall build ups dwg.
- coping
 - existing copings to be inspected and repaired / reset / repointed with lime mortar as required
 - all areas of foliage and roof system to be fully removed
- lead valley gutter - to BS EN 12588 code 6 or 7
- internal wall construction with 25mm BG deflection head
 - for wall construction refer to internal wall build ups dwg.
- new steel column
 - as per SE design + specification
- drip trim installed as part of waterproofing system, fixed to timber boxing out
- 18mm ply boxing out
- timber framing
- lead flashing - to BS EN 12588 code 5 or 6
- thermal break - specification/area tbc.
- specialist item requiring input from specialist consultant.
- flexible open cell polyurethane foam tape
- cold applied liquid waterproofing system
- Fakro rooflight • L10/480A
 - for specification refer to rooflight schedule
- new steel beam
 - as per SE design + specification
- Fakro sun tunnel • L10/495A
- Surespan SRHP/ACV 140 • L10/490B
 - 1675 x 900mm
 - to achieve min. 1m2 free area
 - with retractable ladder • L30/421A
- Isopal Torch Safe T.A. underlay with self adhesive capsheet, mechanically fixed as required in accordance with manufacturers recommendations i.e. for large areas of capsheet.
- blackwork - to SE design and specification
- 175 x 50 mm C16 joists @ 400 centres fixed to 100 x 50mm timber wall plate secured with strong tie restraint straps or similar capped with 18mm plywood board laid on timber firings to achieve min. 1.50 designed falls.
- Rockwool Hardrock Multifix (DD) or acceptable equivalent
 - mechanically fixed
- Steel angle support - as per SE design and specification
 - mechanically fixed
- trespa cladding mechanically fixed to treated timber vertical timber sub-frame.
- 9mm supalux board fixed through 50mm wide vertical + horizontal coverings fixed to 150mm SFS frame (to specialist design), with 150mm mineral wool insulation infill.
- Fakro smoke ventilation ACV - min. 1m2 free area • L10/480B
 - for specification refer to rooflight schedule
- continuous vent with membrane support tray
 - manthorpe or acceptable equivalent
- continuous box gutter ventilation - ortrak or acceptable equivalent, installed in accordance with manufacturer's recommendation.

general:
- all chimney pots to be removed, cleaned and reset in original positions

notes
- survey based on murphy surveys - global consulting engineers
- survey info issued on 21.06.18
- grid established on centre of columns at third floor
- SE has recommended 25mm structural deflection allowance typically, 30mm at roof abutments

for plan drawing ref:
KAM-SKM-MH-R1-DR-A-(27)110

roof target u-value: 0.18W/m2K

C1 • detail updated to reflect comments 01.02.18 • slk • mj
P2 • detail updated to reflect comments 10.01.19 • mj • slk
P1 • first issue 28.09.18 • mj • slk

rev • description issued • drawn • checked

shedkm

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project

kampus • listed buildings

client

mount anvil

drawing number

KAM-SKM-MH-R1-DR-A-(27)552 C1

scale

1:5 @ a1

status

construction

minshull house • proposed roof details 03

do not scale from this drawing • all dimensions are to be set out and checked on site prior to starting construction • any discrepancy found between information given on this drawing and that given elsewhere or recorded on site shall be brought to the attention of the project architect immediately