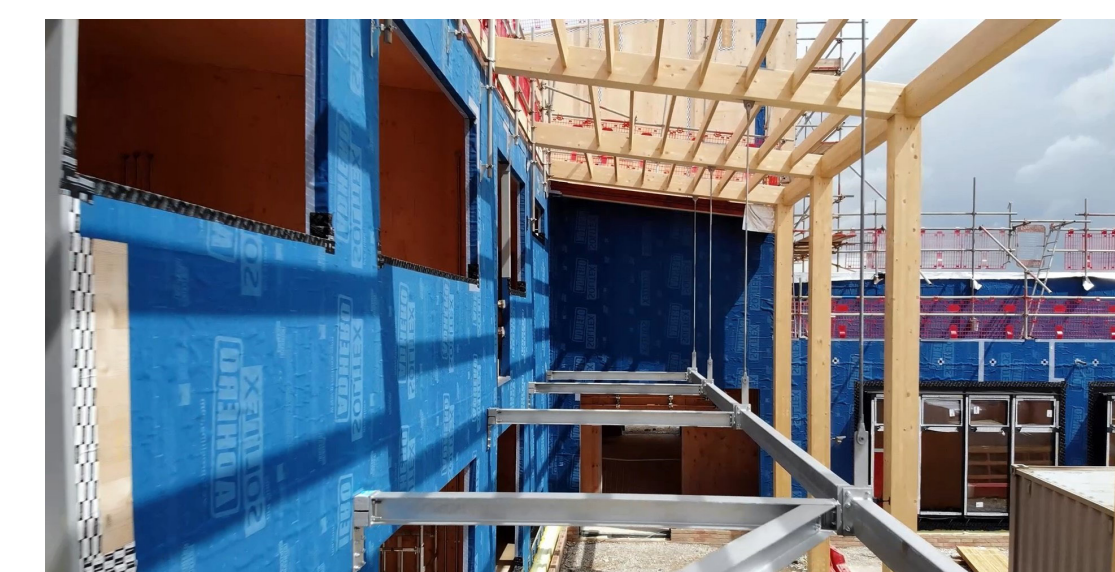
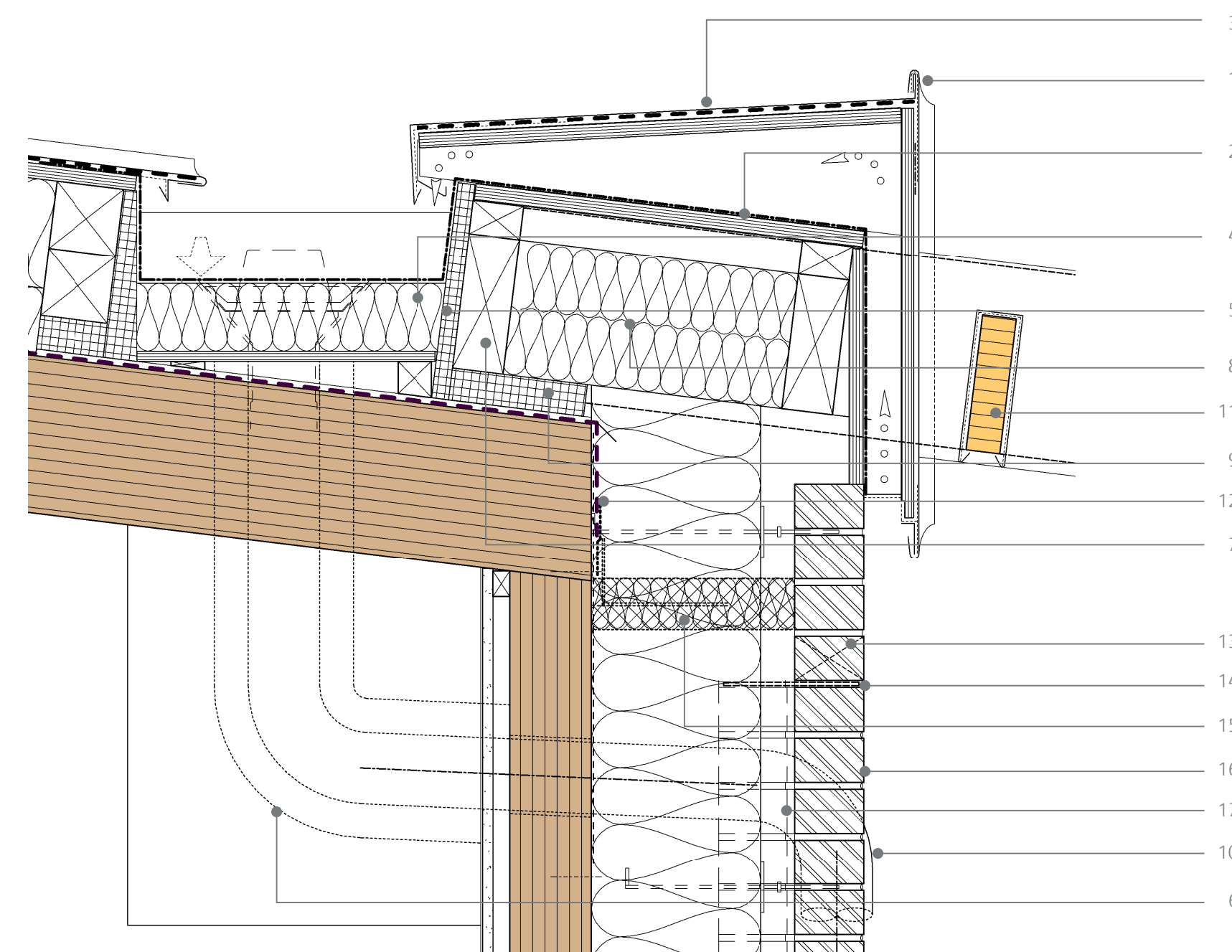


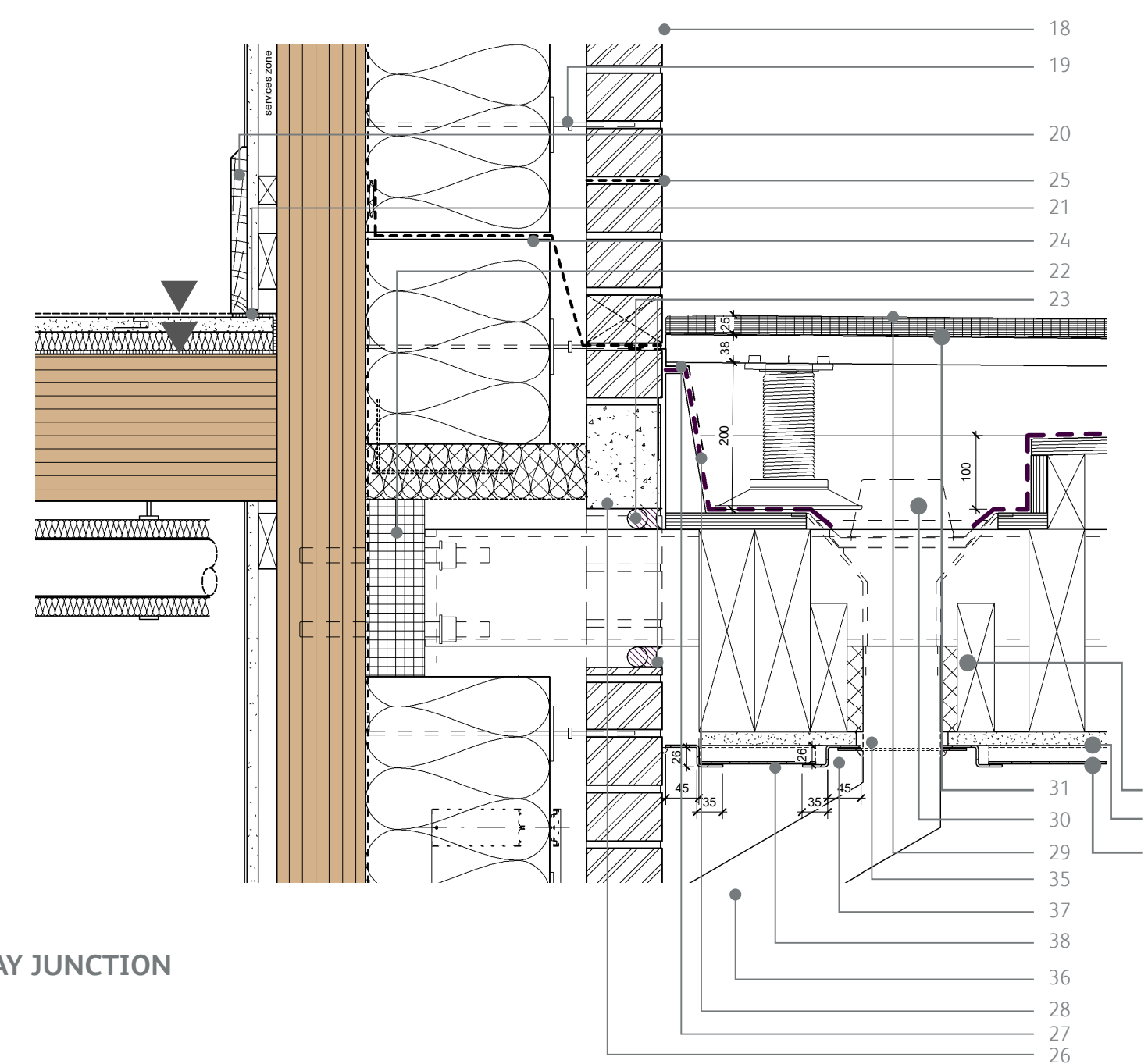
SECTION AA



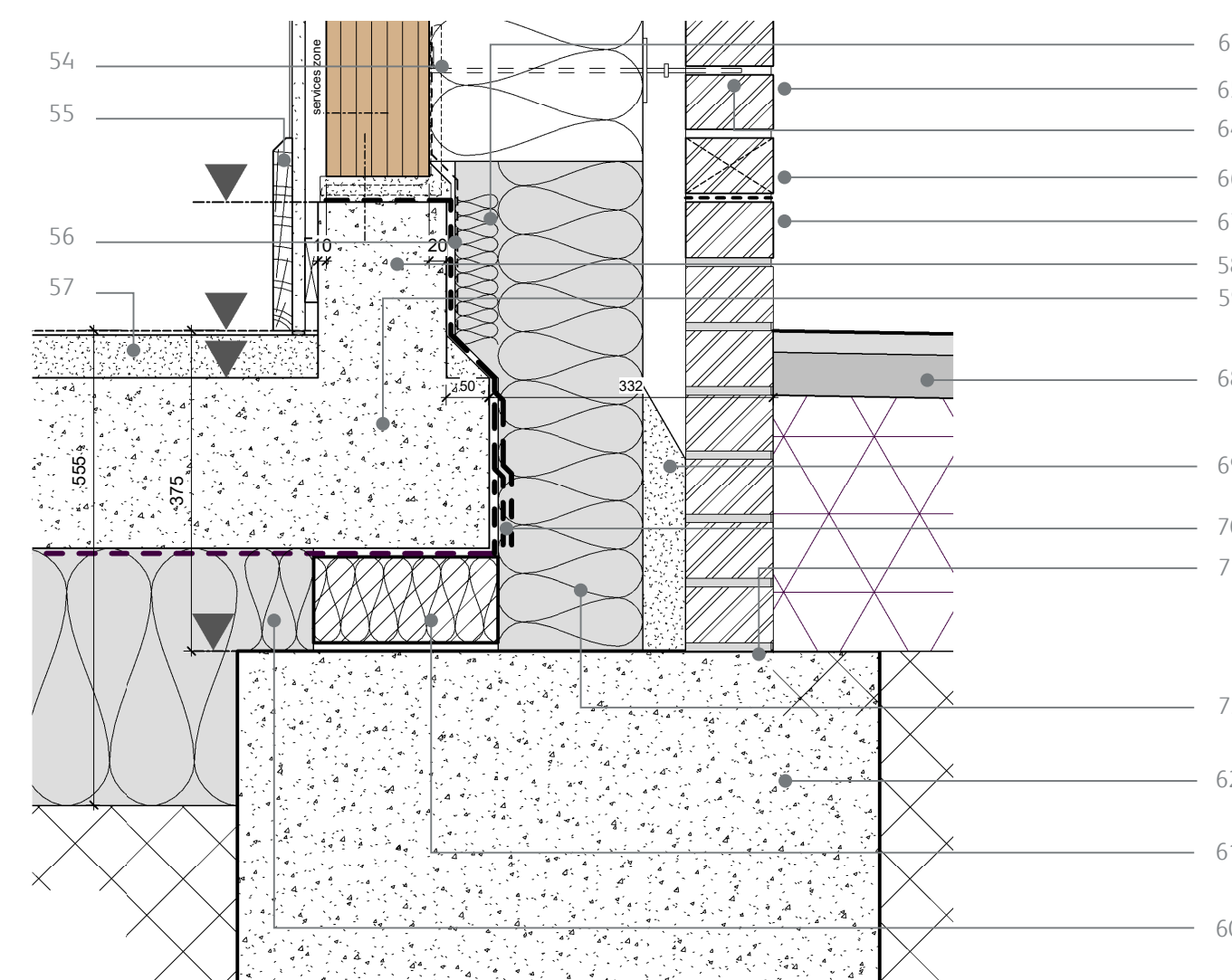
WALKWAY BUILDING SEQUENCE



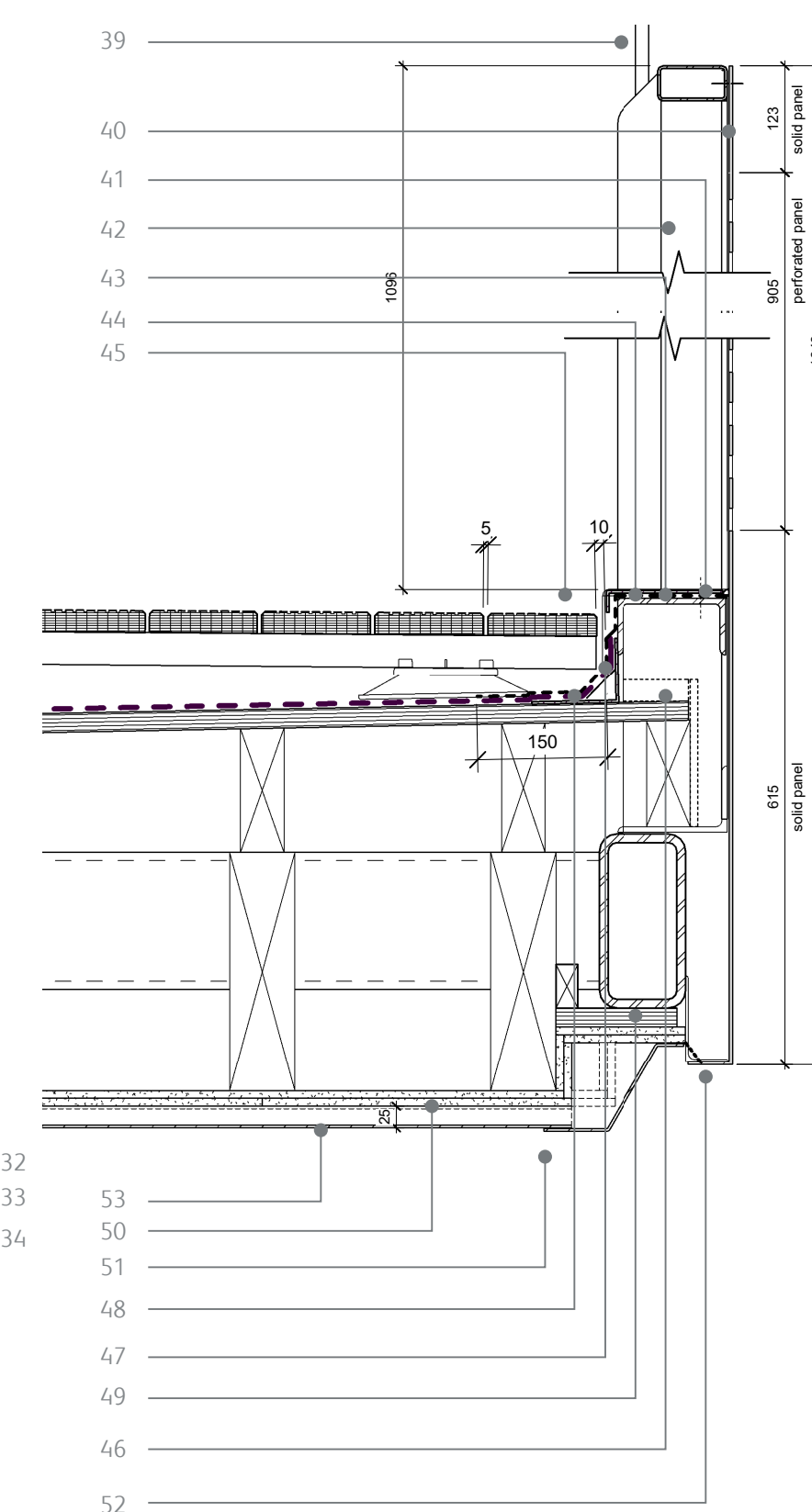
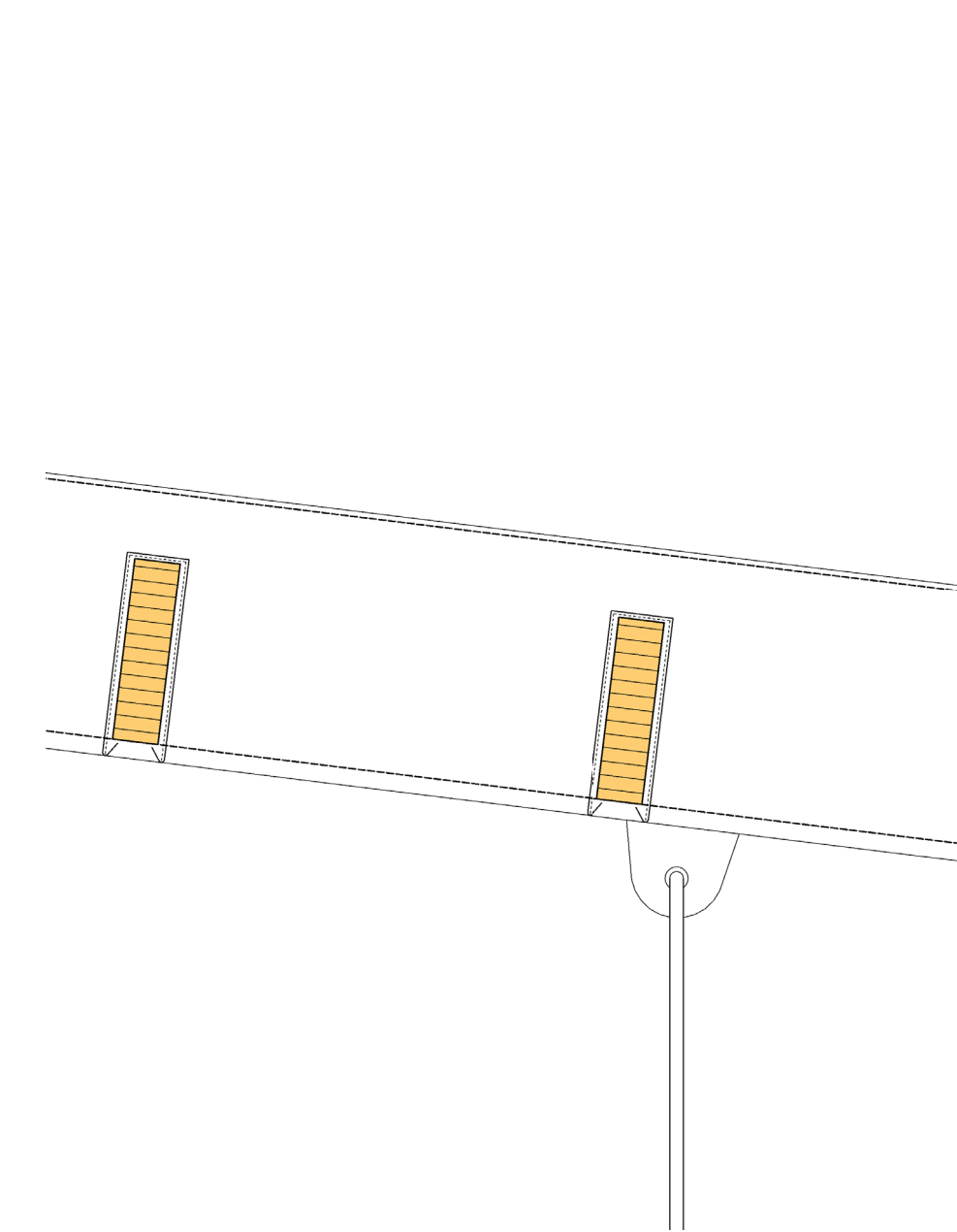
A - PITCHED ROOF (ZINC) JUNCTION



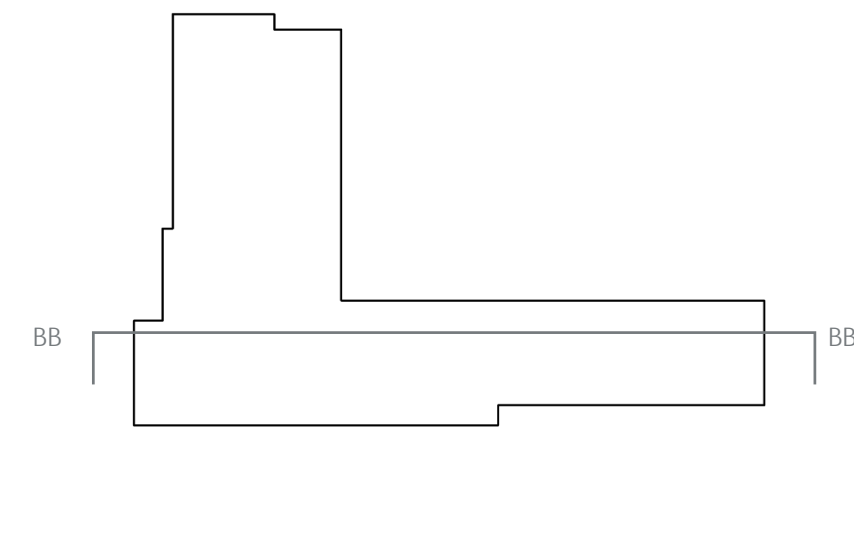
B - WALKWAY JUNCTION



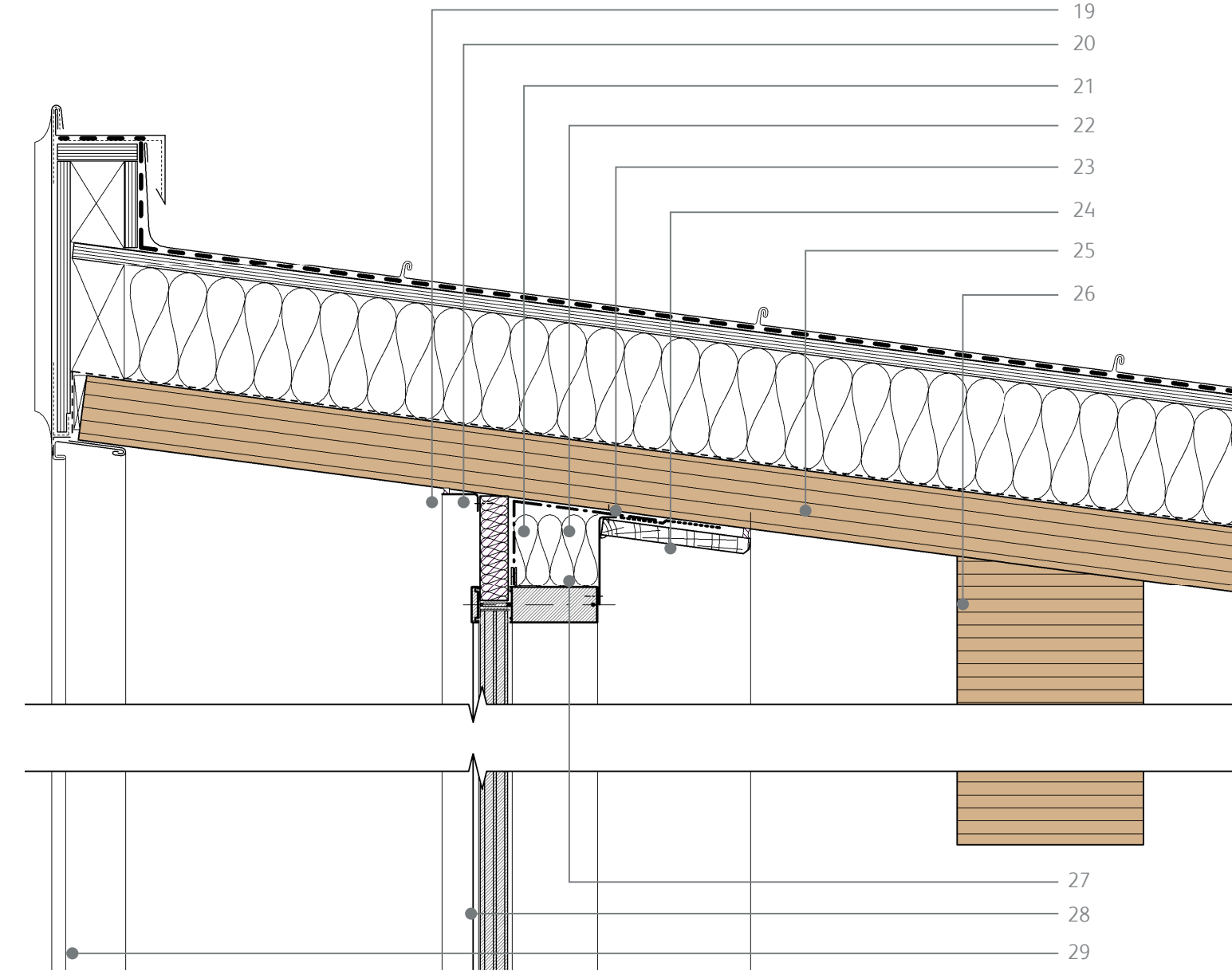
C - EXTERNAL WALL (BRICK) JUNCTION



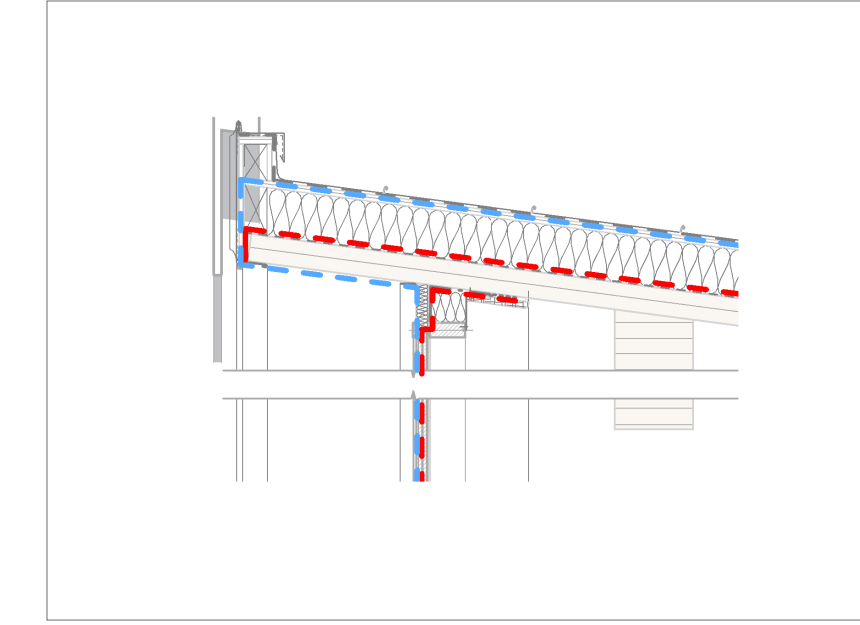
- 1 - Zinc clad fascia, with standing seams, fixed back to 22mm WBP plywood fascia, fixed back to treated vertical battens (to allow 50mm ventilation space), fixed back parapet timber structure
- 2 - Gable ladder waterproofing to be lower than waterproofing lapping below zinc cladding, to ensure any parapet acts as overflow
- 3 - Two-section wall coping, on structural underlay, on 22mm WBP plywood, on ex. 50x75mm treated timber firing pieces, cut to achieve fall, and forming 50mm ventilated gap
- 4 - Single ply membrane lined gutter, on 100mm rigid insulation, on 22mm WBP plywood, on treated timber firing pieces, cut to achieve level gutter. Membrane to continue up slope of roof to height of 150mm from level of gutter; and to be wrapped over boxing out below coping
- 5 - Ex. 25/50mm thick structural insulation
- 6 - Internal PVC downpipe, fully insulated, boxed in
- 7 - 50x200mm treated timber gable ladder, fixed down to CLT roof panel, to form structural edge for fascia and parapet coping, packed between with rigid insulation
- 8 - Gable ladder, to form parapet upstand. Boarded around with 15mm WBP plywood, and wrapped with waterproofing membrane, lapped over lined gutter
- 9 - Brise soleil primary structure glulam beam, shown dashed, fixed to top of CLT roof panel, with thermal break between
- 10 - External aluminium, 100mm dia. circular RWP downpipe. Colour to match cladding
- 11 - Brise soleil: Glulam beam spanning between glulam primary structure, clad with zinc pre-formed coping fixed over galvanised steel cleats
- 12 - Roof VCL lapped over Wall VCL by 150mm. 100mm sealing tape over joint
- 13 - Weephole to ventilate cavity
- 14 - Slate to top of brick recess to support bricks above
- 15 - Full fill cavity barrier, with DPC to face against brick
- 16 - EW-02a External wall - brick finish
- 17 - EW-02c Brick RWP recess shown dashed
- 18 - EW-02 External wall - brick finish
- 19 - Low thermal conductivity wall tie
- 20 - Timber skirting
- 21 - Resilient layer turned up at perimeter and under skirting
- 22 - Thermal break cantilevered balcony connection
- 23 - Soft joint sealant around balcony supports' penetration through brick
- 24 - Preformed cavity tray & weephole
- 25 - DPC
- 26 - Precast concrete lintel over balcony steel support penetrations
- 27 - Lead flashing, lapped with cavity tray, dressed over balcony waterproofing upstand
- 28 - 150mm freestanding upstand
- 29 - External balcony decking grooves to run perpendicular to external wall of building
- 30 - Balcony rainwater outlet
- 31 - EF-02 External balcony
- 32 - Rockwool insulated fire sleeve
- 33 - Walkway soffit fire board
- 34 - External walkway soffit
- 35 - Opening for rainwater pipe to be as small as possible
- 36 - Aluminium rainwater pipe
- 37 - Flat soffit piece (square) below Z-profile, with circular hole cut out for RWP
- 38 - External walkway soffit - Z edge profile 02 (masonry, RWPs, curtain walling)
- 39 - Hangers to support walkway edge
- 40 - Metal sheet panels mechanically fixed to guarding balustrade structure with countersunk fixings
- 41 - Checker plate, with bull nose front edge to top of liquid waterproofing/PFC - for protection of waterproofing. Mechanically fixed to PFC with self tapping, countersunk screws, using rubber washers. Fixings to be along back edge of checker plate
- 42 - L-angles either side of vertical hanging rod to be filled with a cold pour pitch pocket to finish with top of angle trim
- 43 - Liquid waterproofing applied to top and front face of PFC of balustrade, and to be lapped with felt - lap to continue for 150mm of the felt
- 44 - Sealant around edge of liquid waterproofing, at junction with metal panel and angles
- 45 - Decking boards to be laid with 5mm gap between boards and min. 10mm gap to perimeter
- 46 - Ply and timber batten from previous detail (shown dashed) - to be left in place where already fitted
- 47 - Felt waterproofing to terminate against metal angle trim
- 48 - Metal angle trim fixed down to ply deck, to take felt termination
- 49 - RHS end edge member of walkway, to CLT designer's specification
- 50 - Walkway soffit fire board
- 51 - External walkway soffit - Z edge profile 01 (along balustrade)
- 52 - Insect mesh to open section at base of balustrade panel
- 53 - External walkway soffit - fixed through fire board to joists
- 54 - Pre-galvanised mild steel perforated plate connector (to CLT suppliers design)
- 55 - Timber skirting
- 56 - Self adhesive vapour control membrane to lap 150mm over sheet membrane to vertical face of upstand
- 57 - Levelling screed
- 58 - Concrete upstand
- 59 - EF-01 Ground floor build-up
- 60 - 120mm XPS insulation
- 61 - 215x100mm Load bearing thermal insulation block
- 62 - Strip foundation, to Structural Engineer's design
- 63 - Rockwool insulation 20-50mm to suit building tolerance
- 64 - Low thermal conductivity wall tie
- 65 - EW-02 External wall - brick finish
- 66 - Weephole to ventilate cavity
- 67 - DPC
- 68 - Hard landscaping: Asphalt surface finish
- 69 - Concrete fill to base of cavity
- 70 - Sheet DPM lapped up vertical face of slab/upstand, with 150mm wide band of sheet membrane, sheet membrane waterproofing overlapping to top of upstand
- 71 - Frost resistant mortar below DPC
- 72 - 180mm XPS insulation below DPC, with 50mm above concrete toe, and mortar fill to base of cavity



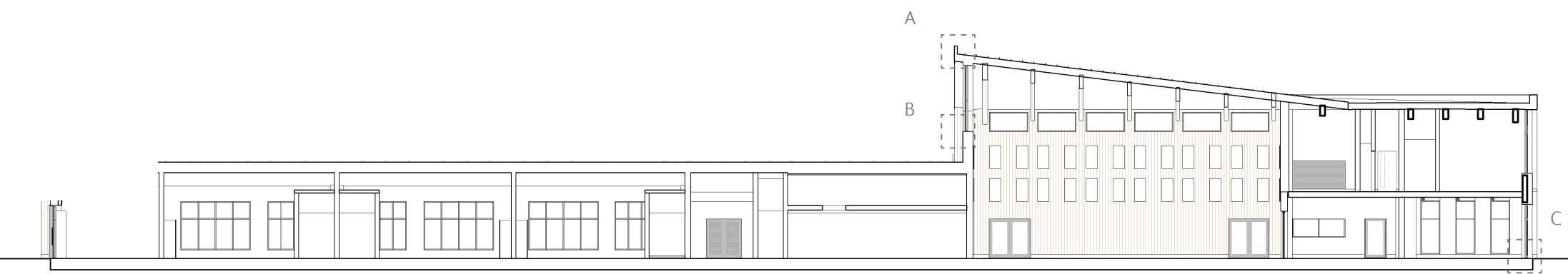
KEY PLAN



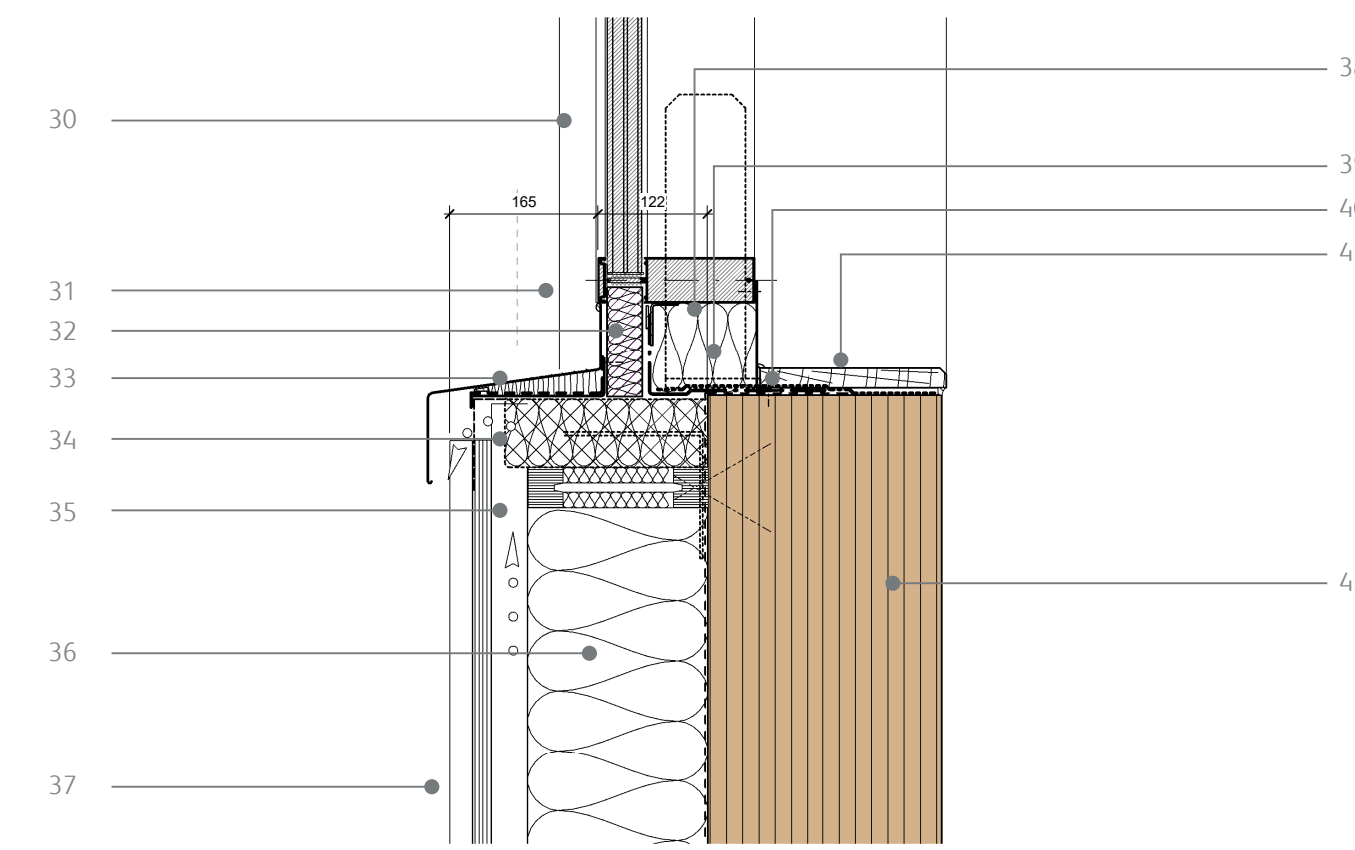
A - CURTAIN WALL (HEAD) - PITCHED ROOF (ZINC) JUNCTION



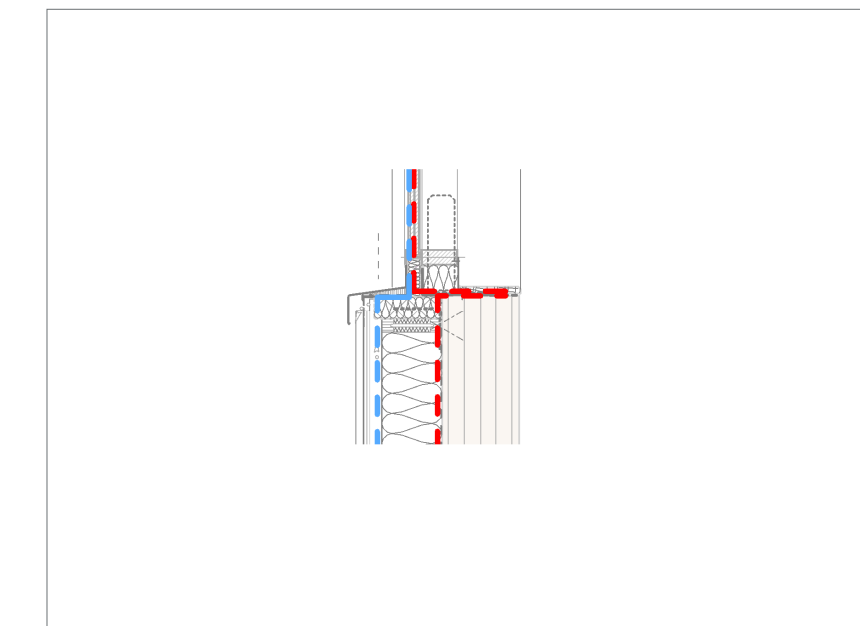
- 19 - Pressed aluminium cover flashing, provided by curtain walling manufacturer
- 20 - Insulated panel by curtain walling manufacturer
- 21 - 100mm Mineral wool insulation packed to side of mullion, finished to inside with pressed aluminium flashing
- 22 - Mastic sealant between window frame and internal lining
- 23 - Self adhesive strip to seal between EPDM and CLT
- 24 - Timber hardwood window lining
- 25 - 90mm CLT (Cross Laminated Timber) roof panel
- 26 - Glulam beam
- 27 - Curtain walling EPDM lapped over and sealed (with double side tape) to Vapour control membrane
- 28 - Aluminium framed curtain walling
- 29 - Zinc Cladding



SECTION BB

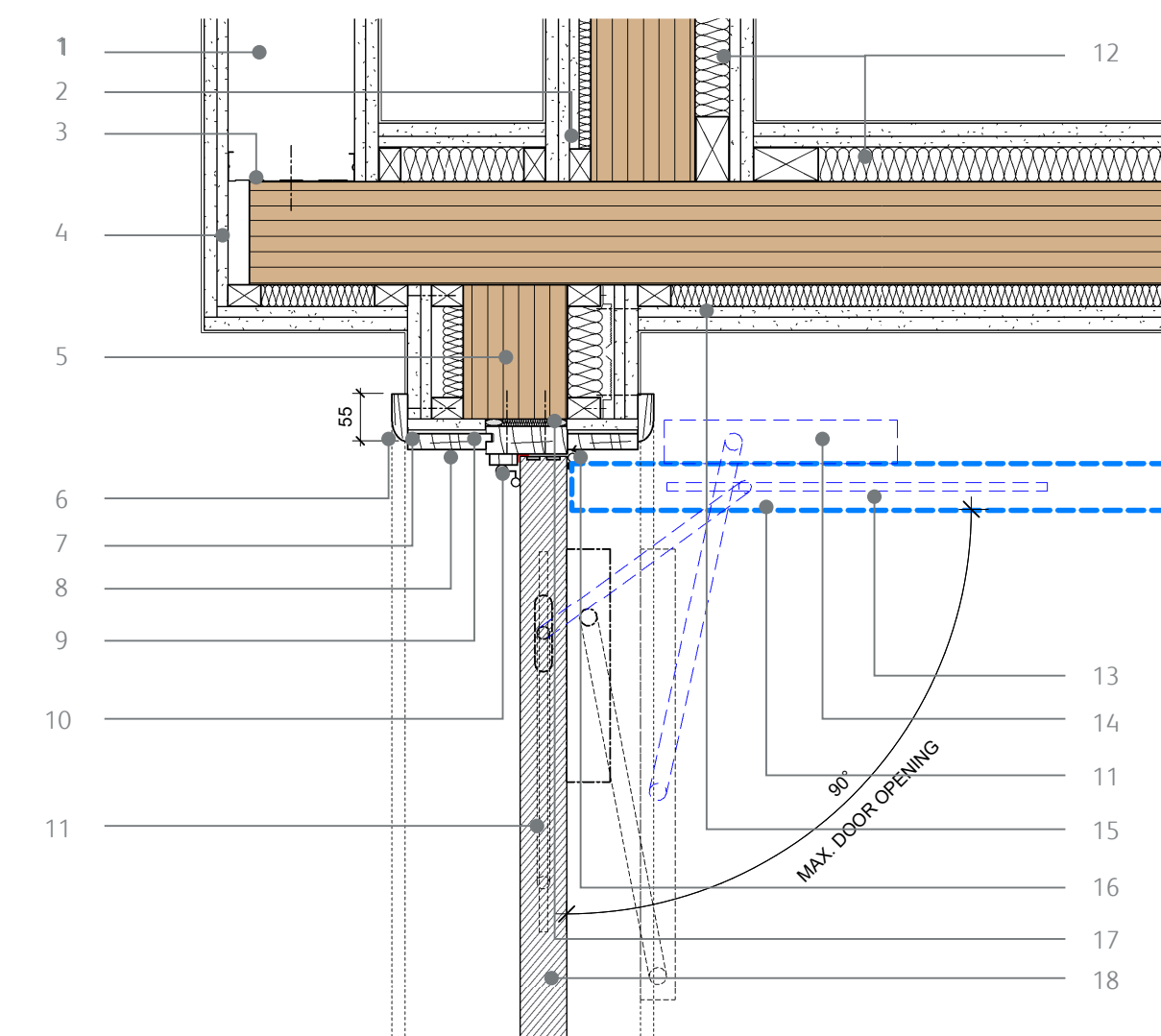


B - CURTAIN WALL (CILL) - WALL (ZINC) JUNCTION



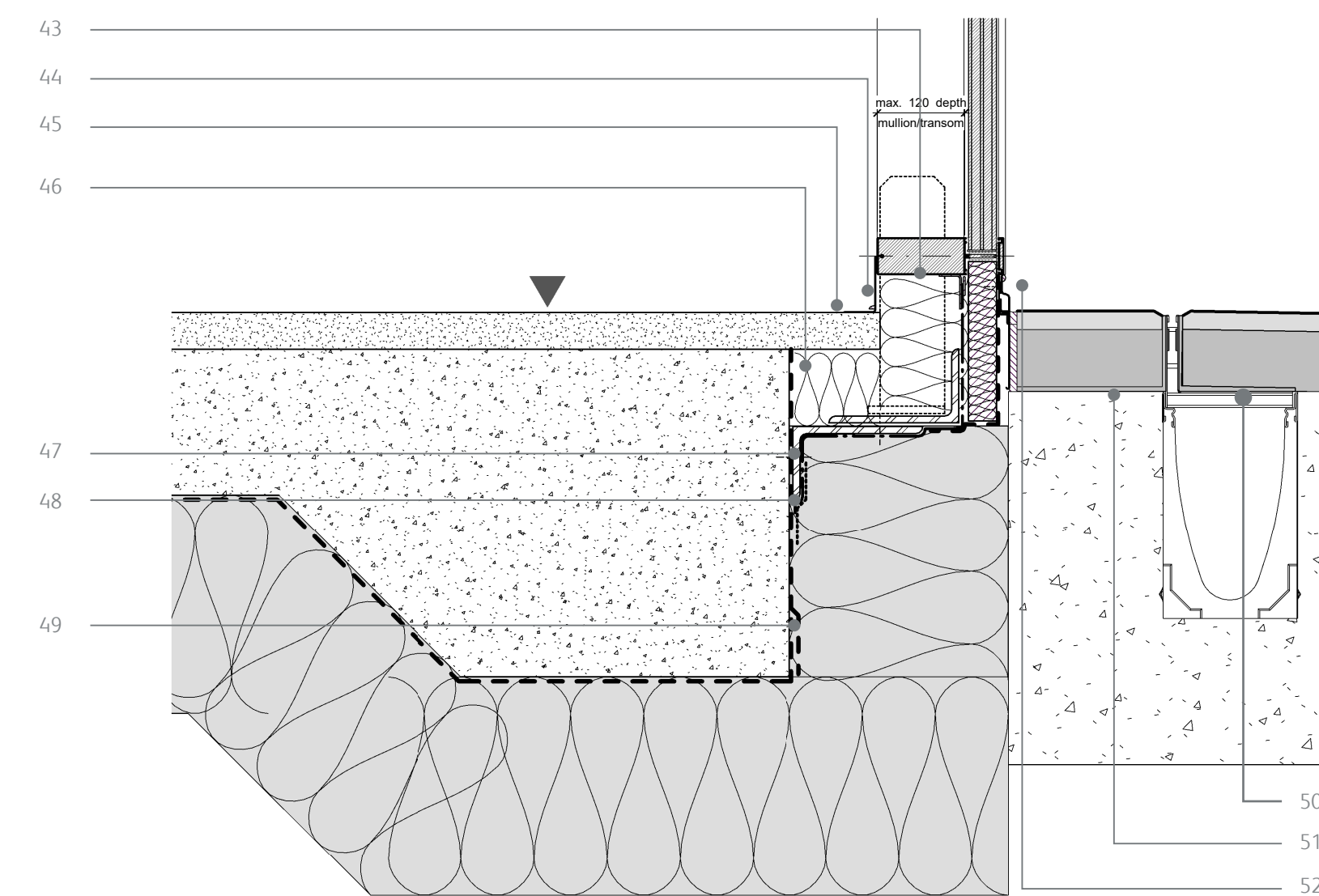
- 30 - Aluminium framed curtain walling
- 31 - Sealant between transom and cill
- 32 - Insulated panel by curtain walling manufacturer
- 33 - Pressed aluminium cill, mechanically fixed to infill panel, with DPC and insulation below supported by pressed metal, mech. fixed to infill panel
- 34 - 75mm SP Firestop OSCB held in place with I-brackets fixed back to CLT inner leaf, vertical cavity barrier 225mm deep to suit overall cavity of 240mm
- 35 - 200mm deep horizontal i-joists supplied with Web packed with insulation
- 36 - 200mm Rockwool Rainscreen Insulation
- 37 - Zinc Cladding
- 38 - 100mm Mineral wool insulation packed to side of mullion, finished to inside with pressed aluminium flashing
- 39 - Mastic sealant between window frame and internal lining
- 40 - Self adhesive strip to seal between EPDM and CLT
- 41 - Timber hardwood window lining and board
- 42 - 240mm CLT (Cross Laminated Timber) wall panel, internally

Red dotted lines represent the 'lines of air-tightness'
Blue dotted lines represent the 'weather lines'



INTERNAL CLT WALL - FIRE DOOR JUNCTION

- 1 - IW-06 Internal wall 146mm metal C studs with plasterboard lining and skim finish
- 2 - CLT lining on timber battens to abut metal partition
- 3 - Metal partition to be fixed directly to the primary CLT wall panel system on both side
- 4 - Plasterboard lining to continue past CLT wall panel
- 5 - IW-01a Internal wall 120mm CLT wall panel with plasterboard lining on timber battens or Resilient bar and skim finish
- 6 - Hardwood Architrave set back 5mm from frame
- 7 - 12.5mm F-type board - Glasroc F Multiboard
- 8 - Timber extension lining
- 9 - 32mm Hardwood timber door frame with door stop
- 10 - Acoustic seal on perimeter of door frame
- 11 - Friction mortice restraining stay - indicative position
- 12 - Service zone
- 13 - Door in open position shown dashed blue
- 14 - Overhead door closer - indicative position
- 15 - Mineral wool insulation packed between within lining
- 16 - Finger guards
- 17 - Intumescent mastic and firestopping
- 18 - Solid timber door leaf. Refer to door schedule for more information.



C - GROUND FLOOR - CURTAIN WALL JUNCTION

- 43 - Curtain walling EPDM fixed within clamp
- 44 - Folded aluminium cover piece fixed back to transom
- 45 - Mastic sealant between flooring and internal lining
- 46 - Perimeter insulation (compression resistant)
- 47 - 2No. galvanised steel angles, one fixed to edge of slab, one to take support for curtain walling
- 48 - 100mm sealing tape to seal EPDM to liquid applied membrane
- 49 - Sheet DPM lapped up vertical face of slab/upstand, with 150mm wide band of sheet membrane, liquid applied waterproofing overlapping to top of upstand
- 50 - Sealant between transom and cill
- 51 - Hard landscaping: Asphalt surface layer, on Binder course, on Sub-base, on Compacted hardcore
- 52 - Polymer modified mortar bedding directly adjacent to drainage channel fixing

