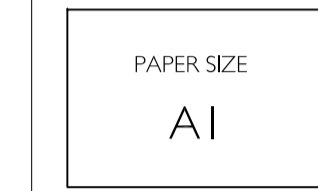


DO NOT SCALE FROM THIS DRAWING

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO FORME BEFORE PROCEEDING WITH THE WORKS



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NOTE: ALL STRUCTURAL STEELWORK TO RECEIVE FIRE PROTECTIVE PAINT. BOLLUM BM066 FIRESHIELD ULTRA UNIVERSAL TO PROVIDE 90MINS FIRE PROTECTION AND OVERPAINTED WITH BOLLUMS FLAMEGUARD ULTRA GLOSS (WHITE)

NBS STRUCTURAL SPECIFICATION - 16861/MC/Spec ARCHITECTURAL SPECIFICATION - 5001_20_900 ()

Table with 4 columns: REV, DATE, BY, NOTES

PROJECT TITLE: Greater London House Lightwell Extension

DRAWING TITLE: Roof Details Sheet 2

SCALE: 1:5@A1

DATE: 11/16

CHECKED: RCJ

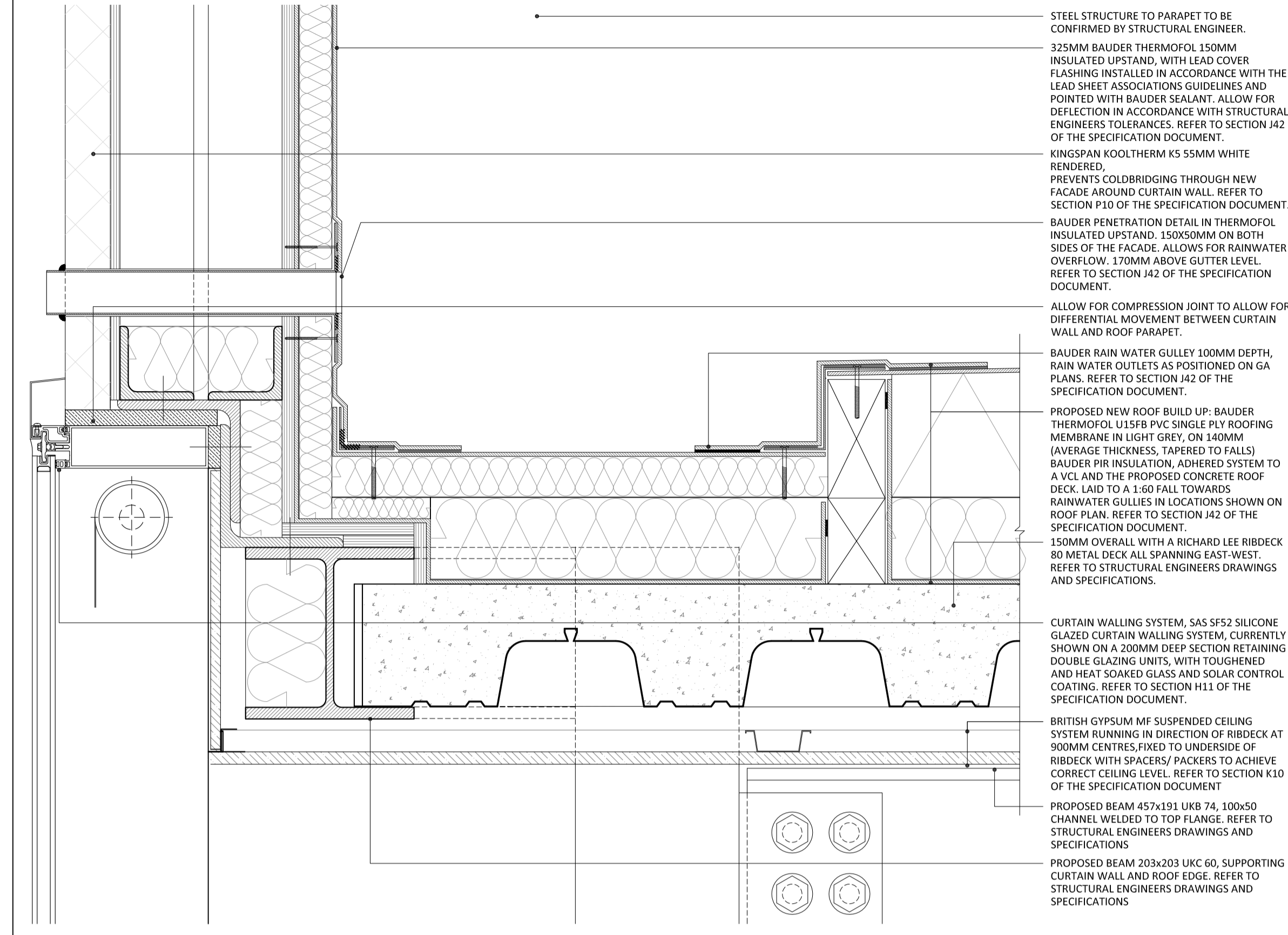
STATUS: Tender Stage 2

DRAWING NUMBER: 5001_27_601

forme UK ARCHITECTURE LTD

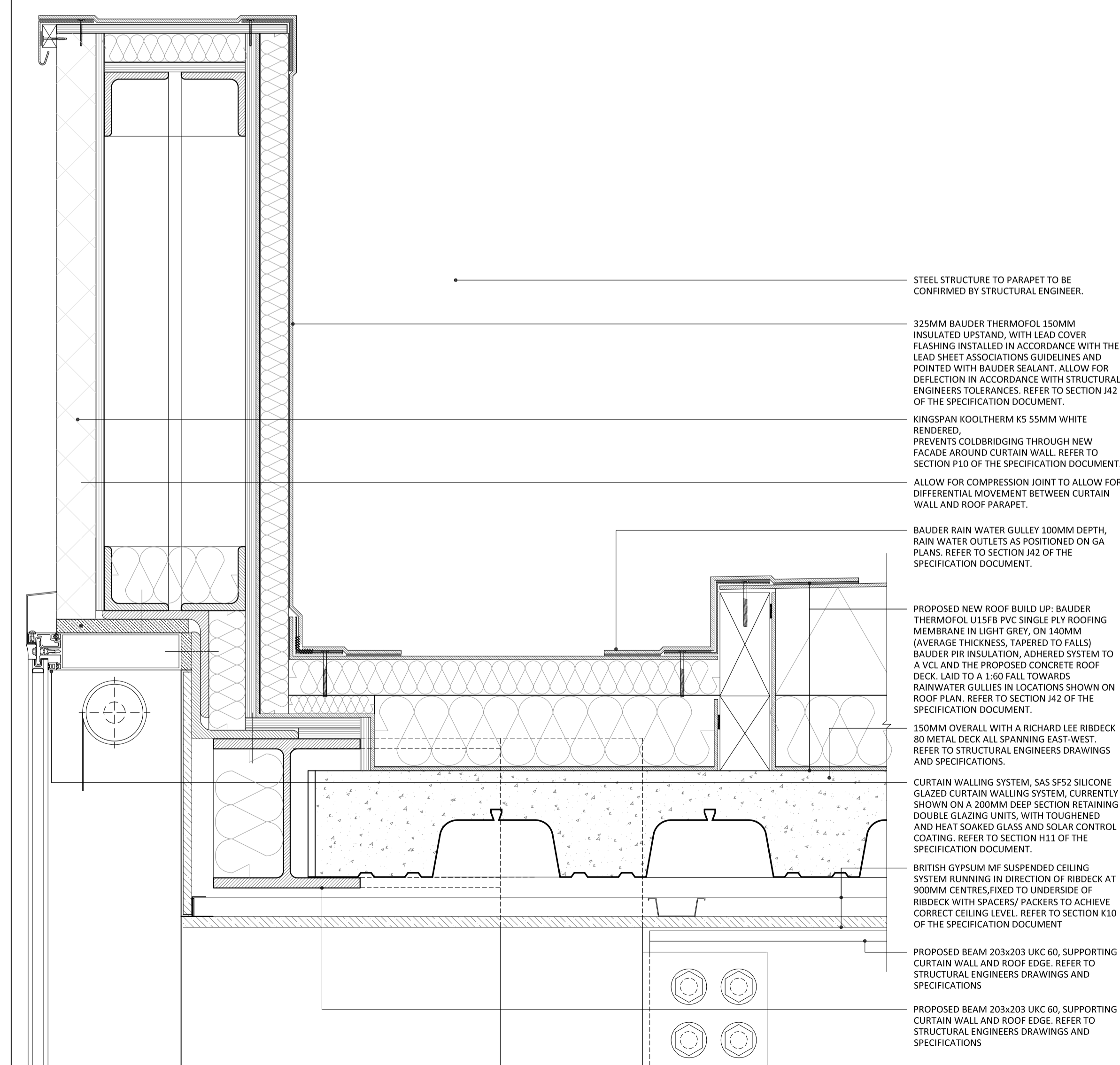
NUTMEG HOUSE 60 GAINSFORD STREET BUTLERS WHARF LONDON SE1 2NY

T +44 (0)20 7378 1340 F +44 (0)20 7407 9019 E DESIGN@FORMEUK.COM WWW.FORMEUK.COM



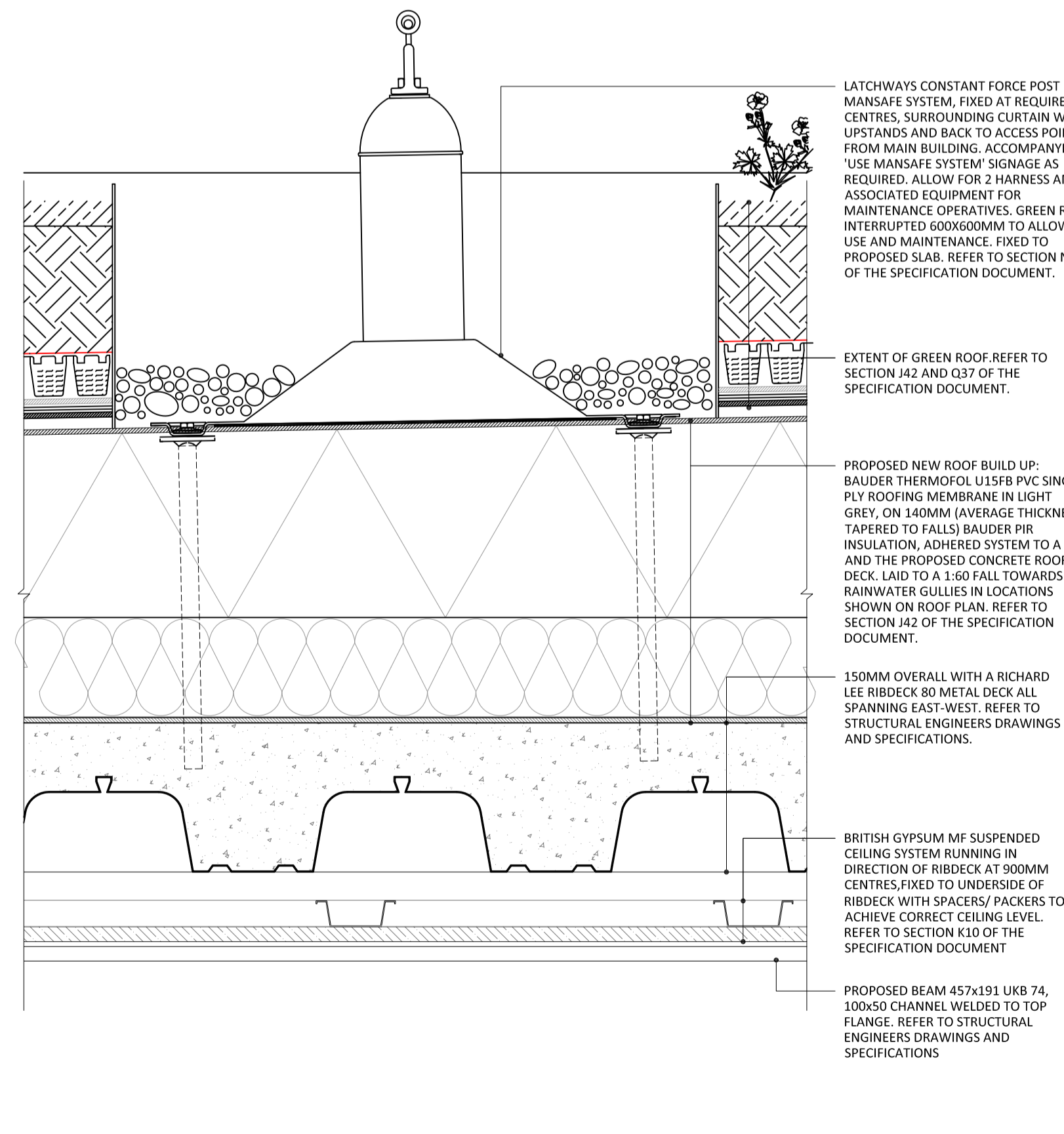
STEEL STRUCTURE TO PARAPET TO BE CONFIRMED BY STRUCTURAL ENGINEER. 325MM BAUDER THERMOFOL 150MM INSULATED UPSTAND, WITH LEAD COVER FLASHING INSTALLED IN ACCORDANCE WITH THE LEAD SHEET ASSOCIATIONS GUIDELINES AND POINTED WITH BAUDER SEALANT. ALLOW FOR DEFLECTION IN ACCORDANCE WITH STRUCTURAL ENGINEERS TOLERANCES. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. KINGSPAN KOOLTHERM K5 55MM WHITE RENDERED, PREVENTS COLDBRIDGING THROUGH NEW FACADE AROUND CURTAIN WALL. REFER TO SECTION P10 OF THE SPECIFICATION DOCUMENT. BAUDER PENETRATION DETAIL IN THERMOFOL INSULATED UPSTAND. 150X50MM ON BOTH SIDES OF THE FACADE. ALLOWS FOR RAINWATER OVERFLOW. 170MM ABOVE GUTTER LEVEL. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. ALLOW FOR COMPRESSION JOINT TO ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN CURTAIN WALL AND ROOF PARAPET. BAUDER RAIN WATER GULLEY 100MM DEPTH, RAIN WATER OUTLETS AS POSITIONED ON GA PLANS. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. PROPOSED NEW ROOF BUILD UP: BAUDER THERMOFOL U15FB PVC SINGLE PLY ROOFING MEMBRANE IN LIGHT GREY, ON 140MM (AVERAGE THICKNESS, TAPERED TO FALLS) BAUDER PIR INSULATION, ADHERED SYSTEM TO A VCL AND THE PROPOSED CONCRETE ROOF DECK. LAID TO A 1:60 FALL TOWARDS RAINWATER GULLIES IN LOCATIONS SHOWN ON ROOF PLAN. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. 150MM OVERALL WITH A RICHARD LEE RIBDECK 80 METAL DECK ALL SPANNING EAST-WEST. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS. CURTAIN WALLING SYSTEM, SAS SF52 SILICONE GLAZED CURTAIN WALLING SYSTEM, CURRENTLY SHOWN ON A 200MM DEEP SECTION RETAINING DOUBLE GLAZING UNITS, WITH TOUGHENED AND HEAT SOAKED GLASS AND SOLAR CONTROL COATING. REFER TO SECTION H11 OF THE SPECIFICATION DOCUMENT. BRITISH GYPSUM MF SUSPENDED CEILING SYSTEM RUNNING IN DIRECTION OF RIBDECK AT 900MM CENTRES, FIXED TO UNDERSIDE OF RIBDECK WITH SPACERS/PACKERS TO ACHIEVE CORRECT CEILING LEVEL. REFER TO SECTION K10 OF THE SPECIFICATION DOCUMENT. PROPOSED BEAM 457x191 UKB 74, 100x50 CHANNEL WELDED TO TOP FLANGE. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS. PROPOSED BEAM 203x203 UKC 60, SUPPORTING CURTAIN WALL AND ROOF EDGE. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS.

DETAIL 1 PERIMETER GUTTER WITH PROPOSED OVERFLOW SCALE:1:5



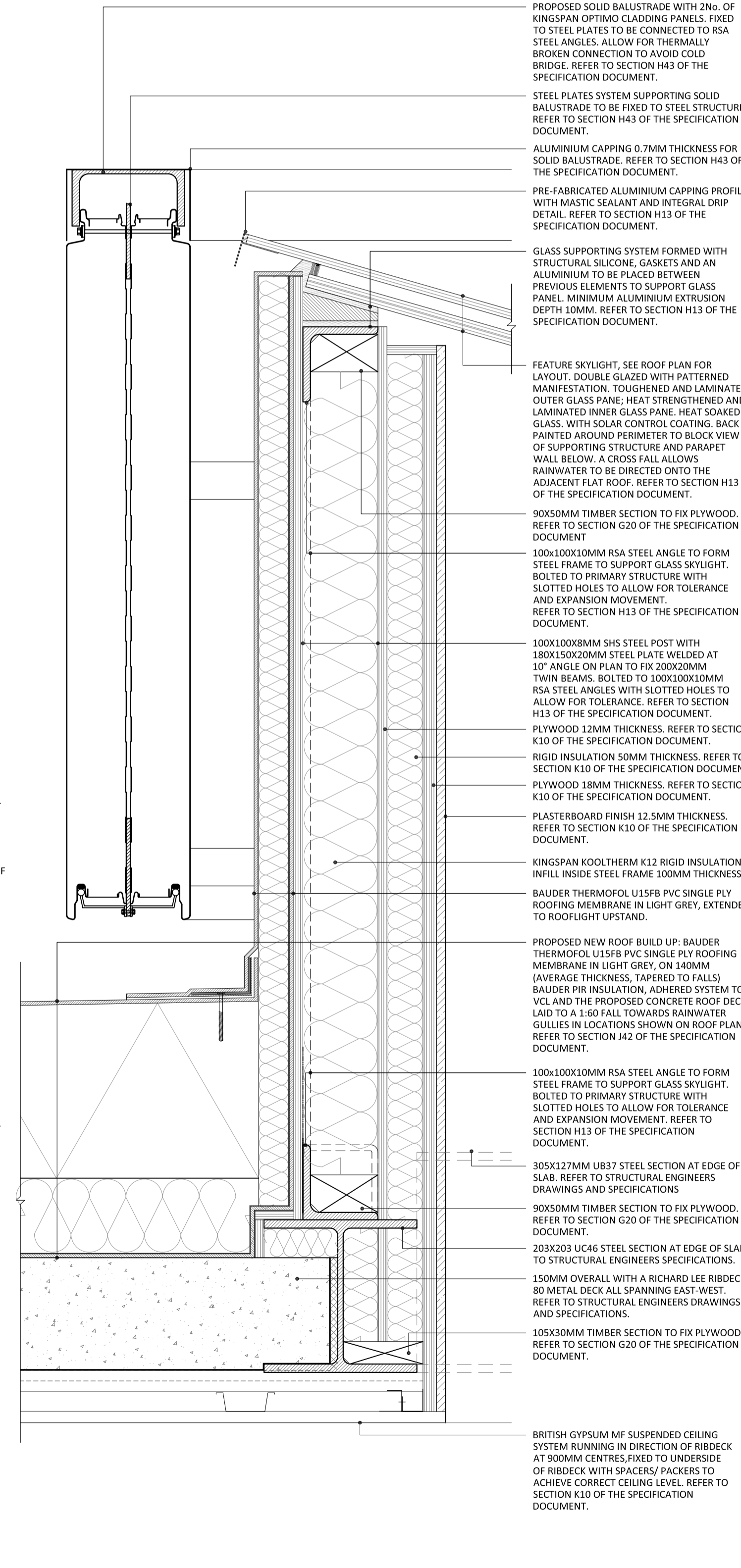
STEEL STRUCTURE TO PARAPET TO BE CONFIRMED BY STRUCTURAL ENGINEER. 325MM BAUDER THERMOFOL 150MM INSULATED UPSTAND, WITH LEAD COVER FLASHING INSTALLED IN ACCORDANCE WITH THE LEAD SHEET ASSOCIATIONS GUIDELINES AND POINTED WITH BAUDER SEALANT. ALLOW FOR DEFLECTION IN ACCORDANCE WITH STRUCTURAL ENGINEERS TOLERANCES. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. KINGSPAN KOOLTHERM K5 55MM WHITE RENDERED, PREVENTS COLDBRIDGING THROUGH NEW FACADE AROUND CURTAIN WALL. REFER TO SECTION P10 OF THE SPECIFICATION DOCUMENT. ALLOW FOR COMPRESSION JOINT TO ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN CURTAIN WALL AND ROOF PARAPET. BAUDER RAIN WATER GULLEY 100MM DEPTH, RAIN WATER OUTLETS AS POSITIONED ON GA PLANS. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. PROPOSED NEW ROOF BUILD UP: BAUDER THERMOFOL U15FB PVC SINGLE PLY ROOFING MEMBRANE IN LIGHT GREY, ON 140MM (AVERAGE THICKNESS, TAPERED TO FALLS) BAUDER PIR INSULATION, ADHERED SYSTEM TO A VCL AND THE PROPOSED CONCRETE ROOF DECK. LAID TO A 1:60 FALL TOWARDS RAINWATER GULLIES IN LOCATIONS SHOWN ON ROOF PLAN. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. 150MM OVERALL WITH A RICHARD LEE RIBDECK 80 METAL DECK ALL SPANNING EAST-WEST. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS. CURTAIN WALLING SYSTEM, SAS SF52 SILICONE GLAZED CURTAIN WALLING SYSTEM, CURRENTLY SHOWN ON A 200MM DEEP SECTION RETAINING DOUBLE GLAZING UNITS, WITH TOUGHENED AND HEAT SOAKED GLASS AND SOLAR CONTROL COATING. REFER TO SECTION H11 OF THE SPECIFICATION DOCUMENT. BRITISH GYPSUM MF SUSPENDED CEILING SYSTEM RUNNING IN DIRECTION OF RIBDECK AT 900MM CENTRES, FIXED TO UNDERSIDE OF RIBDECK WITH SPACERS/PACKERS TO ACHIEVE CORRECT CEILING LEVEL. REFER TO SECTION K10 OF THE SPECIFICATION DOCUMENT. PROPOSED BEAM 203x203 UKC 60, SUPPORTING CURTAIN WALL AND ROOF EDGE. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS. PROPOSED BEAM 203x203 UKC 60, SUPPORTING CURTAIN WALL AND ROOF EDGE. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS.

DETAIL 2 PERIMETER GUTTER SCALE:1:5



LATCHWAYS CONSTANT FORCE POST MANSAFE SYSTEM, FIXED AT REQUIRED CENTRES, SURROUNDING CURTAIN WALL UPSTANDS AND BACK TO ACCESS POINT FROM MAIN BUILDING, ACCOMPANYING 'USE MANSAFE SYSTEM' SIGNAGE AS REQUIRED. ALLOW FOR 2 HARNESS AND ASSOCIATED EQUIPMENT FOR MAINTENANCE OPERATIVES. GREEN ROOF INTERRUPTED 600X600MM TO ALLOW USE AND MAINTENANCE. FIXED TO PROPOSED SLAB. REFER TO SECTION N25 OF THE SPECIFICATION DOCUMENT. EXTENT OF GREEN ROOF. REFER TO SECTION J42 AND Q37 OF THE SPECIFICATION DOCUMENT. PROPOSED NEW ROOF BUILD UP: BAUDER THERMOFOL U15FB PVC SINGLE PLY ROOFING MEMBRANE IN LIGHT GREY, ON 140MM (AVERAGE THICKNESS, TAPERED TO FALLS) BAUDER PIR INSULATION, ADHERED SYSTEM TO A VCL AND THE PROPOSED CONCRETE ROOF DECK. LAID TO A 1:60 FALL TOWARDS RAINWATER GULLIES IN LOCATIONS SHOWN ON ROOF PLAN. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. 150MM OVERALL WITH A RICHARD LEE RIBDECK 80 METAL DECK ALL SPANNING EAST-WEST. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS. BRITISH GYPSUM MF SUSPENDED CEILING SYSTEM RUNNING IN DIRECTION OF RIBDECK AT 900MM CENTRES, FIXED TO UNDERSIDE OF RIBDECK WITH SPACERS/PACKERS TO ACHIEVE CORRECT CEILING LEVEL. REFER TO SECTION K10 OF THE SPECIFICATION DOCUMENT. PROPOSED BEAM 457x191 UKB 74, 100x50 CHANNEL WELDED TO TOP FLANGE. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS.

DETAIL 3 PROPOSED GREEN ROOF WITH MANSAFE SYSTEM SCALE:1:5



PROPOSED SOLID BALUSTRADE WITH 2No. OF KINGSPAN OPTIMO CLADDING PANELS. FIXED TO STEEL PLATES TO BE CONNECTED TO RSA STEEL ANGLES. ALLOW FOR THERMALLY BROKEN CONNECTION TO AVOID COLD BRIDGE. REFER TO SECTION H43 OF THE SPECIFICATION DOCUMENT. STEEL PLATES SYSTEM SUPPORTING SOLID BALUSTRADE TO BE FIXED TO STEEL STRUCTURE. REFER TO SECTION H43 OF THE SPECIFICATION DOCUMENT. ALUMINIUM CAPPING 0.7MM THICKNESS FOR SOLID BALUSTRADE. REFER TO SECTION H43 OF THE SPECIFICATION DOCUMENT. PRE-FABRICATED ALUMINIUM CAPPING PROFILE WITH MASTIC SEALANT AND INTEGRAL DRIP DETAIL. REFER TO SECTION H13 OF THE SPECIFICATION DOCUMENT. GLASS SUPPORTING SYSTEM FORMED WITH STRUCTURAL SILICONE, GASKETS AND AN ALUMINIUM TO BE PLACED BETWEEN PREVIOUS ELEMENTS TO SUPPORT GLASS PANEL. MINIMUM ALUMINIUM EXTRUSION DEPTH 10MM. REFER TO SECTION H13 OF THE SPECIFICATION DOCUMENT. FEATURE SKYLIGHT, SEE ROOF PLAN FOR LAYOUT. DOUBLE GLAZED WITH PATTERNED MANIFESTATION, TOUGHENED AND LAMINATED OUTER GLASS PANE, HEAT STRENGTHENED AND LAMINATED INNER GLASS PANE. HEAT SOAKED GLASS, WITH SOLAR CONTROL COATING. BACK PAINTED ARCING PERIMETER TO BLOCK VIEW OF SUPPORTING STRUCTURE AND PARAPET WALL BELOW. A CROSS FALL ALLOWS RAINWATER TO BE DIRECTED ONTO THE ADJACENT FLAT ROOF. REFER TO SECTION H13 OF THE SPECIFICATION DOCUMENT. 90X50MM TIMBER SECTION TO FIX PLYWOOD. REFER TO SECTION G20 OF THE SPECIFICATION DOCUMENT. 100x100x10MM RSA STEEL ANGLE TO FORM STEEL FRAME TO SUPPORT GLASS SKYLIGHT. BOLTED TO PRIMARY STRUCTURE WITH SLOTTED HOLES TO ALLOW FOR TOLERANCE AND EXPANSION MOVEMENT. REFER TO SECTION H13 OF THE SPECIFICATION DOCUMENT. 100x100x8MM SHS STEEL POST WITH 180x150x20MM STEEL PLATE WELDED AT 10° ANGLE ON PLAN TO FIX 200x20MM TWIN BEAMS. BOLTED TO 100x100x10MM RSA STEEL ANGLES WITH SLOTTED HOLES TO ALLOW FOR TOLERANCE. REFER TO SECTION H13 OF THE SPECIFICATION DOCUMENT. PLYWOOD 12MM THICKNESS. REFER TO SECTION K10 OF THE SPECIFICATION DOCUMENT. RIGID INSULATION 50MM THICKNESS. REFER TO SECTION K10 OF THE SPECIFICATION DOCUMENT. PLYWOOD 18MM THICKNESS. REFER TO SECTION K10 OF THE SPECIFICATION DOCUMENT. PLASTERBOARD FINISH 12.5MM THICKNESS. REFER TO SECTION K10 OF THE SPECIFICATION DOCUMENT. KINGSPAN KOOLTHERM K12 RIGID INSULATION INFILL INSIDE STEEL FRAME 100MM THICKNESS. BAUDER THERMOFOL U15FB PVC SINGLE PLY ROOFING MEMBRANE IN LIGHT GREY, EXTENDED TO ROOFLIGHT UPSTAND. PROPOSED NEW ROOF BUILD UP: BAUDER THERMOFOL U15FB PVC SINGLE PLY ROOFING MEMBRANE IN LIGHT GREY, ON 140MM (AVERAGE THICKNESS, TAPERED TO FALLS) BAUDER PIR INSULATION, ADHERED SYSTEM TO A VCL AND THE PROPOSED CONCRETE ROOF DECK. LAID TO A 1:60 FALL TOWARDS RAINWATER GULLIES IN LOCATIONS SHOWN ON ROOF PLAN. REFER TO SECTION J42 OF THE SPECIFICATION DOCUMENT. 100x100x10MM RSA STEEL ANGLE TO FORM STEEL FRAME TO SUPPORT GLASS SKYLIGHT. BOLTED TO PRIMARY STRUCTURE WITH SLOTTED HOLES TO ALLOW FOR TOLERANCE AND EXPANSION MOVEMENT. REFER TO SECTION H13 OF THE SPECIFICATION DOCUMENT. 305x127MM UB37 STEEL SECTION AT EDGE OF SLAB. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS. 90X50MM TIMBER SECTION TO FIX PLYWOOD. REFER TO SECTION G20 OF THE SPECIFICATION DOCUMENT. 203x203 UC46 STEEL SECTION AT EDGE OF SLAB TO STRUCTURAL ENGINEERS SPECIFICATIONS. 150MM OVERALL WITH A RICHARD LEE RIBDECK 80 METAL DECK ALL SPANNING EAST-WEST. REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS. 105x30MM TIMBER SECTION TO FIX PLYWOOD. REFER TO SECTION G20 OF THE SPECIFICATION DOCUMENT. BRITISH GYPSUM MF SUSPENDED CEILING SYSTEM RUNNING IN DIRECTION OF RIBDECK AT 900MM CENTRES, FIXED TO UNDERSIDE OF RIBDECK WITH SPACERS/PACKERS TO ACHIEVE CORRECT CEILING LEVEL. REFER TO SECTION K10 OF THE SPECIFICATION DOCUMENT.

DETAIL 4 PARAPET WALL AT CENTRAL ROOFLIGHT SCALE:1:5