



SPECIFICATION NOTES
 The specification is to be read in conjunction with the Architects and Structural Engineers drawings, planning consent and discharge approval.
 This specification also to be read in conjunction with the Site Investigation prepared by the Environmental Consultant. Comply with the requirements and recommendations of the Environmental Consultant and the Structural Engineers' interpretation of such requirements.
TENDER SPECIFICATION GENERAL
 The works are to be in full accordance with all current and relevant current codes of Practice Building Regulations and British Standards and requirements of Statutory, Local and other Authorities including drainage matters.
 A. The Local Planning Authority
 B. Local Fire Code
 C. Environmental Health Officer
 D. Environment Agency
 E. Highway Authority
 F. Building Control Officer
 G. Loss Prevention Certification Board (LPCB)
 H. Health & Safety Commission
 I. Manufacturers Recommendations
 J. Disability Discrimination Act (DDA)
 K. Institute of Electrical Engineers (IEE) Regulations
 L. LPC Design Guide for the Protection of Buildings
 M. Any other body which has jurisdiction with regard to the works or whose systems are connected to the works.
STRUCTURE
 Allow for bracing up and disposal of any hard standing including gutters up into foundations where required, discontinuation of any services present, removal of layout and vegetation, surplus soil and materials not required, re-leveling, re-grading and making up levels.
 Any material deemed to be contaminated should be removed to a licensed disposal facility if required. Any contaminated material known to be present and not required to be removed shall be properly recorded for inclusion in the Health & Safety File.
 Use services are to be verified with statutory authorities and made safe as necessary.
FOUNDATIONS
 Carry out all or any ground stabilisation works which may be required by the Engineer's design.
 All foundations will be in accordance with the details prepared by the Structural Engineer and approved by the Local Authority to suit the ground conditions prevailing on the site, imposed loading and any relevant statutory requirements, with due regard for safety. All foundation designs and ground works are carried out in accordance with BS 8004.
 Reinforced concrete foundations to external walls and steel foundations for steelwork as indicated on the structural engineers drawing. Site/soil/depth dependent on ground conditions and to consulting engineers specification, detail and design.
STRUCTURAL STEELWORK
 The main building structure to be a steel portal frame, designed to BS 5950 to Contractor Design in accordance with the structural engineers design and specification. The frame loading to be assessed in accordance with BS 5395 and to be agreed with Structural Engineer. All steelwork to be hot blasted and primed prior to delivery to site. The primer coat specification to be drawn from BS 5403, giving due consideration to local conditions. All exposed untreated steelwork will receive an approved primer drawn from BS 5403 giving due consideration to local conditions, light grey, prior to erection. Hot blast and primer coating. All steelwork exposed within moisture and/or below deck to be primed with 2 coats of aluminium paint. Deck snow and wind loading are to be determined from BS 5399 Part 1 and Part 2, including all current amendments (pending due consideration of local snow loading and future conditions) and relevant Building Research Establishment Reports.
 Any projections of the structural columns into the unit beyond the internal face of the perimeter walls will be as detailed on the Architects drawings.
 All steelwork to be designed fabricated and erected to the approval of the Structural Engineer and to the satisfaction of the Building Control Officer.
 Structural members to receive 7-coats of aluminium paint from where enclosed in blockwork. All floor supporting steel work to receive fire protection to achieve a min of 1 hour fire resistance.
 Where blockwork to be constructed around sheathing rail, the rails are to be protected with 3co coats RW LAC to extend 300mm to each side of the masonry.
EXTERNAL WALLS
 Blockwork to be max 2kg per block. All blockwork to be 7.0(Nom) crushing strength, unless otherwise specifically noted on the Structural Engineers drawings.
 Low level comprising of:
 100mm charcoal engineering blockwork outfall to DPC with 50mm min concrete fill / insulation to ground level. Engaged brickwork on first floor wall outfall or similar with 50mm clear. All to achieve a min 1h fire rating as required by SEM calculations.
RAIN WATER SYSTEM
 In roof drain gully drainage system, galvanneal steel external downpipes with coating to match cladding with wadding access 600mm above ground level. A sufficient number of well overflow to be provided, to ensure that no excess water surge runs back into the building to be laid out in accordance with the specialist cladding sub-contractors.
 All RW must include suitable leaf guards.
 Refer to specialist sub contractor for locations of outlets and overflows.

GROUND FLOOR SLAB
 Reinforced concrete ground slab to structural engineers design and specification, on rigid board insulation if required to achieve minimum U' value as required by SEM calculations, on min. 100mm DPM (determined by eng) with joints tapered and lapped on a sand bedding. All on min 100mm thick consolidated hardcore 1A to Engineers specification, DPM to lap with DPC to walls.
CLADDING
 To comprise of the following:
 - 600mm x 600mm perforated composite panel steel outer sheet with LPC approved insulation and bright white enamel coated internal face.
 - 0.7mm thick steel top/bottom profile outer sheet with mineral wool insulation and 0.4mm thick steel bright white inner panel.
 All fixed in accordance with manufacturers details. Panels are to achieve a minimum U' value as required by SEM calculations.
GUTTER FEATURE BEAM
 Integrated perforated powder coated Tee-beam by Melindre.
RUSHINGS
 HSP300 PVC coated 1.5mm thick powder coated pressed metal slip flooring.
ROOF CONSTRUCTION
 Roofs to be constructed 0.7mm thick galvanneal, and Pasted or HF200 (or similar) coated steel outer sheet with mineral wool insulation 400 x 200mm thick, galvanneal steel inner panel finished bright white powder coating.
 Roofs to be constructed from PVP polyester powder coated pressed metal (painted to avoid rusting).
 Overall roof construction to achieve minimum U' value as required by SEM calculations.
 The cladding installers to be carried out in accordance with the Federation of Roofing Contractors publication, "Thick Sheet Metal Roofing and Cladding, a Guide to Good Practice" and the British Steel Corporation publication "Steel Products Enhanced Performance Guide", and that comply with the manufacturer's recommendations and instructions. The roofing system to be in accordance with BRE Report 262 "Thermal insulation Avoiding the Risk".
INSULATION INTERLOCK/CEILING JOISTS
 The following is to be included for accommodating any mechanical heating system. The roofing contractor is to fit roof cover, pitch correction bands and fire terminals, giving a view within the tenants' filling out period. The return, visit by the roofing contractor to be included. Supply and fix structural formwork, 150mm high upstands and corner sheets.
 Note: there will be one and above the provision for all necessary holes and fixings to accommodate the office area ventilation, watercourse also openings etc, undertaken by the developer.
RAIN WATER SYSTEM
 Soil & vent pipes to terminate 1000mm above any ventilation opening, tops to be fitted with broken glass.
 WCs to have min 75mm deep seal trap with 100mm dia. PVC soil pipes & traps. Wash basins to have min 75mm deep seal traps with 100mm dia. PVC soil pipes & traps. Shower to have min 75mm deep seal traps and 40mm dia PVC waste pipes. All waste pipes to connect to soil & vent pipes.
 Downed WCs/Downs to be laid out in accordance with Building Regulations 2004 Part M requirements.
 Internal pipe runs, where appropriate to be fully bonded (indicative of achieving appropriate level of sound attenuation where required).
 Appropriate fire stopping (if required) to be accommodated for all service penetrations through compartment floors/walls/doors/windows etc. All fire stopping to be designed and specified in accordance with Local Authority specifications. Discharge from a fire alarm call point to be installed in accordance with BS 5847-1 and BS 5847-2.
 Refer to manufacturer's details. Details below foundation level finished with wet mix concrete to its foundation level (45° fall).
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CUTTERS
 Polymer powder coated inline gutter, thickness to comply with BS 1091:1(93) with jagged joints tapered and sealed and concealed joints. Gutters are to be suitable supported.
 The specialist system designer / installer must take account of gutter size, outlets and pipe work both above and below ground when designing the installation.
DOORS AND SCREENS
 All glazing to be high performance polymer powder coated with 20% glazing to 10% selected from the standard RAL colour range. Curved glazing to be thermally insulated technical MC frame horizontal or similar and approved. Remaining glazing to be Polyurethane Powder Coated aluminium. All glazing to be suitable to meet the fire rated loading conditions, and minimum U' values as noted in the SEM calculations. All to be double-glazed low E coated and Argon filled, and to be fully compliant with the requirements of the Building Regulations.
 All glazing to be 1000mm wide by 2000mm high to be safety glass BS 6860, WPF Cut-C. Provide suitable mounting for all glazing where required by Building Reg Part 7.
 All windows and external doors should have fireable packing material around the perimeter and should be painted externally and internally with one part polyurethane sealant.
 To be compatible with the relevant fire risk assessment and acceptable materials to be used.
 Entrance doors are to be in accordance with min clear width and max opening forces in accordance with Part M of the Building Regs.
 Mechanical fans for windows and external doors to be fitted with BS EN 12453 Class 2, Grade A2 generally (Grade A1 in severely corrosive environments) or hot dip galvanneal mild steel to BS4190 or aluminium to BS1474 for brackets, track and wire pins. Appropriate selection must be employed between fans and aluminium framing sections where a reaction may occur.
 The external casing to the fans of the entrance and service doors will be designed to fall away from the building to prevent parking. Adequate precautions are to be taken to ensure the prevention of water ingress under all doorways.
WINDOW CLEANING
 Where glazing is not accessible internally, glazing to be cleaned from the outside using water fed poles from ground level.
OVERHEAD SERVICE COORD
 Electrically operated sectional overhead doors with manual chain override. Insulated with a minimum U' value as noted in the SEM calculations. 4000 x 2000mm high, clear opening. External finished in HF200 powder. Inner skin polymer coated galvanneal steel in slucco embossed finish.
FIRE EXIT DOORS
 The doors and frames shall be of steel construction to meet the requirements of BS 1175 and shall be supplied to site pre-finished, and complete with all necessary weatherstrips, door stays, door thresholds that be designed to prevent the ingress of water and to its maximum withstand of 150mm. Door frames shall be a min of 1.5mm zinc plated mild steel, fixed in accordance with manufacturer's specification. Doors shall be a min of 1.2mm zinc plated mild steel and shall be solid core with fully welded construction.
 Doors to include draught seals to all edges including meeting stiles.
INTERS
 Proprietary precast reinforced concrete or galvanneal steel insulated inters to door and window openings, to Engineers details with min and max opening of 100mm, inter to door on A block, not roof lock. Inters should not cover door lintels. Total depth to achieve minimum U' value as required by SEM calculations, include cavity foam, stop ends and wedge holes 800mm c/c over inters to ensure airtight.
LIGHTING PROTECTION
 The building shall include a complete lightning system installed, tested and commissioned in accordance with BS 6651 and the Building specification.
ELECTRICAL INSTALLATION
 The electrical installation in respect of the design, construction, inspection and testing of the works, shall be carried out by competent persons, and authorized by certification as required by BS 7171:1 (1997) edition and CSE61 code.
DRAINAGE
 Soil & vent pipes to terminate 1000mm above any ventilation opening, tops to be fitted with broken glass.
 WCs to have min 75mm deep seal trap with 100mm dia. PVC soil pipes & traps. Wash basins to have min 75mm deep seal traps with 100mm dia. PVC soil pipes & traps. Shower to have min 75mm deep seal traps and 40mm dia PVC waste pipes. All waste pipes to connect to soil & vent pipes.
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VENTILATION
 Mechanical or natural ventilation to all habitable/working areas to meet requirements of Building Regs.
 Mechanical ventilation to all WCs, to give a min of 3 air changes per hour to sub-contractor spec, details & design.
FIRE PRECAUTIONS
 Compartment walls to be taken up to underside of roof and fire stopped unless otherwise stated.
 All elements of structure to achieve the required fire resistance to meet Part 8 of the Building Regs, dependent on use, height, site and proximity to boundaries.
 All fire doors & frames shall be from an approved manufacturer & be fully certified under the BWF Certificate scheme and shall include vision panels required to doors to stair towers and corridors.
 Internal landing externally to all escape doors. Instuctured pathways to be provided from rear escape doors to place of safety. Emergency lighting to British Standard SAA to sub-contractor specification, details & design. Exit signs to BS 5499 Part 1 to all escape doors.
 Fire alarm system to British Standard BS58 Part 1 to sub-contractor specification, details & design.
 Location, type and number of fire fighting equipment to British Standard BS425 to sub-contractor specification, design & detail to all areas and to the satisfaction of Building Control and the Local Authority Fire Protection Officer. Include for installation of fire extinguisher & associated joints/hoose. See requirements for IRL specification.
FIRE BOUNDARY CONDITIONS
 All steel structures on the boundary condition to be treated with intumescent paint to give 1 hour fire resistance. The base frame to be in accordance with structural engineers design. Cladding to be specified and fixed in with table 16 page 14 Part 8 BUILDING REGULATIONS 2000 edition.
STAIRCASE
 Staircase to be compliant with Building Regs Part K, M and N and BS5395 & BS 180. Rise of each step to be 130-170, going 250mm min with a min 2m headroom, measured above platform of step. Landing to comply with current Building Regs. Ambulant stairs to have a minimum head width of 1200mm and min clear width between handrails of 1000mm. All nosings to be made apparent by means of a permanently contrasting material 50mm wide on both the step and the tread.
 Steps to specified Sub-Contractor design, structural support for stairs to be to Engineers design. All dimensions must be confirmed on site prior to manufacture.
 Balustrade and handrail to specialist details. Both handrail and balustrade must be capable of resisting the horizontal force given in BS 5899:1996. Handrail to be a min of 900mm above platform of step, balustrade to be a min of 1100mm high on landing and to extend 300mm beyond the top & bottom step. Handrail must terminate in such a way as to reduce the risk of clothing being caught.
COMPLIANCE WITH PART L2 - BUILDING REGULATIONS
SHEATHING
 An air-tightness test is to be carried out by the contractor prior to P.C. This test is to be carried out by specialist sub-contractor and must conform to all current legislative requirements and Building Regulations, the air test hours, comply with BS EN 13027:2001 and be a minimum requirement of 2.2m³/m²/h @ 50 Pa to comply with AD32 or to achieve the BEC determined by the SEM calculations, whichever is lower. Any defects, etc, highlighted by the test are to be rectified by the contractor prior to Practical Completion. To test the rectification of any defect when offering site to carry out the air-tightness test specialist sub-contractor are to bring with them all equipment to carry out an airtightness test. This test is required on then be carried out on the same day as the air-tightness test and so cause minimum disruption to programme.
PLATFORM LIFT
 Provision to be made for future installation of platform lift by incoming tenant. Required.

Rev	Date	Description	By	Checkd
A	26.07.18	Dock levellers amended.	SJB	-
Project Title		Proposed Development Unit 4B Ashroyd Business Park Junction 36 M1 Barnsley S74 9SB		
Client		Network Space Ltd		
Status		Tender		
Scale		1:200	Drawing Size	A1
Date		05/18	Drawn By	SJB
			Checked	JMR
Drawing Title: Proposed Ground & First Floor Plan - Unit 4B				
Job-Dwg No		14698B-208		Rev
				A
<p>2 St. Johns North, Wakefield, WF1 3GA <input type="checkbox"/> Manchester, M1 2NG <input type="checkbox"/> Newport Pagnell, MK16 8AB <input type="checkbox"/> The Old Rectory, 79 High Street, Luton, LU1 1JF <input type="checkbox"/> 101 London Road, Reading, RG1 5BT <input type="checkbox"/> 1, Old 18, 9507760 <input type="checkbox"/> 10 Gees Court, 51 Christopher Place, London, W1U 1JJ <input type="checkbox"/> 1, 0207 4091215</p>				
<p>THIS DRAWING HAS BEEN PREPARED TO ASSIST THE CONTRACTOR IN PREPARING A DESIGN AND BUILD TENDER AND IS NOT INTENDED TO BE A FINAL DRAWING FROM WHICH ACCURATE QUANTITIES CAN BE TAKEN. ALL DETAILS SHOWN ARE SUBJECT TO DESIGN DEVELOPMENT.</p>				
<p>THE HARRIS PARTNERSHIP ARCHITECTS www.harrispartnership.com</p>				

PROPOSED GA PLANS
 scale 1:200 @ A1
 0 2 4 6 8 10m
 SCALE 1:200