



## THIRD FLOOR

ALL WORKS TO BE IN ACCORDANCE WITH THE CURRENT BUILDING REGULATIONS AND ALL SUBSEQUENT AMENDMENTS AND REVISIONS.

### STRUCTURE

For details of all structural steelwork, foundations & drainage, see structural engineer's details, schedules and calculations.

### FIRE PROTECTION AND MEANS OF ESCAPE

The buildings will incorporate the requirements of the Building Regulations, Fire Officer and relevant British Standards and codes of Practice comprising an expandable fire alarm and safety systems which will include: Emergency lighting and Automatic smoke detection.

### FIRE DOORS

FD60S to doors into stair enclosures ducts & stores, with walls to be 1hr resistance.  
All fire doors to have self-closing devices, except for cupboard doors FD60 to store doors into stair enclosure.  
Fire shutters to be provided to ventilation ducts at each floor level.  
Smoke detection and alarm systems, fire-fighting equipment and exit signage to be in accordance with Fire Officer's requirements, see M & E Service Engineers design and details.  
Emergency lighting to be provided to all common escape routes and to Fire Officer's requirements. Smoke detection to be provided to all levels.

All floors to be 1hr compartment floors, with all penetrations to achieve 1hr fire rating.  
Any full height ducts to be 1hr protected shafts.  
Walls to be taken up to u/s of roof and fire stopped.

Raised floor construction on concrete composite floor.  
Construction to Structural Engineers detail onto structural frame.  
Foundations and groundbeams to Structural Engineer's details.

### FIRE EXITS

Fire Exit doors to open out onto level landings with "Push Bar to open" signs and "Fire Exit" notices

### CAVITY BARRIERS

Cavity Barriers to be provided to office areas where suspended ceilings are used, spaced no more than 20m apart, to go full height to stop the spread of flames, and to give protection to the offices.

### LIFTS

The lifts are to be 8-10 person lifts for disabled users.  
The lift pump room will be located in the plant room and the shaft will be vented through the roof.

### DRAINAGE

Soil pipe at top of run to be vented to air at roof level.  
Remainder on air admittance valves terminating below roof level.

Rodding points to be provided to give access to any lengths of pipe, which cannot be reached from any other part of the system.

Drainage to be to engineers design and details. All new drainage to comply with Building Regulations Approved Document H and requirements of L A Drainage Department.

All pipe boxings to be 19mm plywood on 25 x 38mm sw framing packed with min 50mm mineral wool quilt for sound reduction.

### ROOF

Tracal roof finish on 50mm high density foam board, on 100mm slab to engineers design and details.

### SUSPENDED CEILING

Maso's Armstrong or similar approved manufacturer, 600mm x 600mm x 15mm thick with tegular edge laid in white supported by a patent ceiling suspension powdercoated microlook tee system. Shadow gap to be provided at boundaries of walls and office areas, with recessed ceiling strip with feature lighting to ceiling areas behind curtain walling sections.

### GLAZING

All new glazing in critical locations to be safety glazing in accordance with Building Regulations Approved Document N. Permanent manifestation at a height of 1500mm to be provided to all large uninterrupted areas of clear glazing and planar glazed walls and doors generally, design to be confirmed.

### WINDOWS

Powder coated aluminium windows and doors with factory sealed double glazing.

### LINTOLS

To openings in external wall (personnel doors and windows) to support inner leaf of blockwork use concrete lintols with minimum end bearing of 150mm, or use a CATNIC type lintols to support inner and outer leaf with a minimum 150mm end bearing both sides.  
All to structural engineers confirmation and details.

### EXTERNAL WALLS

External walls to be cavity construction brickwork, constructed in accordance with BS5638 Parts 1,2 and 3.  
External facing bricks will be of good quality to be specified to suit local climate and subject to Local Authority approval.

Construction to be 342.5mm thick overall masonry external wall comprising of 102.5mm facing brickwork outer skin, 100mm cavity with partial slab insulation, 140mm lightweight blockwork inner skin, with plaster on bats to office & 13mm plaster board & skim finish to staircases.

### EXPANSION JOINTS

To be set @ maximum centres of 6000mm in blockwork and 12000mm in brickwork to structural engineers design and details.

### D.P.M.

To be continuous with D.P.C., minimum 150mm above G.L. (two coats of syntacruptite to vertical face of edge beam)/see enlarged detail

### DRAINAGE

All rainwater pipes to be 150mm p.v.c. with rodding access where drains do not connect direct to a manhole (unless otherwise specified).  
Any drains passing under building to be encased in 150mm concrete, minimum falls to 100mm dia drains 1:60 and 1:80 to 150mm dia drains.

NOTE ALL NEW DRAINAGE TO CONNECT UP TO EXISTING DRAINAGE CHECK ON SITE FOR INVERTS OF PIPES ALL TO APPROVAL OF BUILDING CONTROL

### NOTES

Contractor must verify all dimensions on site before commencing any work or shop drawings.  
If this drawing exceeds the quantities taken in any way the Architects are to be informed before construction.  
Only figured dimensions to be taken from this drawing. Do not scale of this drawing.  
Drawings based on Ordnance Survey and/or existing record drawings – design and drawing contractor's responsibility.  
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This drawing originates from the CAD file :

### REVISIONS

Rev	Description	Revised	Date	Checked
A	Lift shafts moved inward to allow extra clearance for beam on grid line 2	RJ	12.01.01	JL
B	Horizontal Gridlines renamed, Steelwork added to FE Staircores.	NLS	20.02.01	
C	Altrium balcony moved to gridline 3, Altrium Steelwork rearranged.	NLS	18.04.01	
D	Roof drainage downpipes added, FE Staircores relocated on grid	JAR	11.05.01	JAR
E	General amendments	JAR	18.05.01	JAR
F	Building Regulation notes added to the drawing.	JAR	27.07.01	JAR
G	Internal Walls adjacent to Door D.303, realigned with column D/4.	JAR	16.08.01	
H	Altrium balcony handrail added.	JAR	12.09.01	
I	Drainage layout revised	hjm	31.10.01	
J	Finished Floor Level, and Cleaner's Store door D10 revised.	hjm	08.04.02	
K	Revised cavity wall setting out adjacent to gridline 4			
L	Door D310 relocated.			
M	Window Cleaning track added			
N	LAST CONSTRUCTION ISSUE			

### STAIRCORE 1 and STAIRCORE 3

#### Specification

Pre-cast concrete stair manufactured in accordance with BS8110. flights manufactured in moulds to produce a TYPE A finish to BS8110 clause 6.10.3. landings provided with a rough top finish to receive an insitu screed to align with flights.

Flights to have goings of 250, with 22 equal risers of 184 to give a floor to floor of 4050mm.

Flights to be 1200mm wide to give a clear width of 1000mm between handrails.

Handrails to be fitted to a height of 900mm above pitch line of stair & 1100mm above finish landing level & capable of resisting a horizontal line load of 0.74kN/m as set-out in BS6399.

All finishes as developers spec.

THIS DRAWING IS TO BE USED ONLY IN CONJUNCTION WITH PRE-CAST CONCRETE STAIR DESIGN, ALL BY SPECIALIST

### NOTES

This drawing represents the last revision issued for construction under the building contract dated ??? .  
The drawing has not been verified by site survey and allowable construction tolerances may have resulted in differences between this drawing and the finished building.

## LAST CONSTRUCTION ISSUE

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Checked:	Scale:	Revision:	
TJS	1/100	K	