

**PROTECTION AGAINST IMPACT FROM AND TRAPPING BY DOORS**  
 A POWER OPERATED DOOR OR GATE DESIGNED AND CONSTRUCTED FOR VEHICULAR TRAFFIC SHALL HAVE -  
 (A) A PRESSURE SENSITIVE EDGE OR OTHER SUITABLE DEVICE, WHICH OPERATES THE POWER SWITCH TO PREVENT USERS BEING CAUGHT OR TRAPPED;  
 (B) A READILY IDENTIFIABLE AND ACCESSIBLE STOP SWITCH; AND  
 (C) PROVISION FOR MANUAL OR AUTOMATIC OPENING IN THE EVENT OF A POWER FAILURE.  
 A POWER OPERATED DOOR OR GATE DESIGNED AND CONSTRUCTED FOR PEDESTRIAN USE SHALL -  
 (A) INCORPORATE A SAFETY STOP OR DOOR REACTIVATING DEVICE TO PREVENT THE DOOR STRIKING A PERSON PASSING THROUGH IF THE DOOR BEGINS TO CLOSE; AND  
 (B) REVERT TO MANUAL CONTROL OR FAIL SAFE IN THE OPEN POSITION IN THE EVENT OF A POWER FAILURE.

**FIRE NOTES:**  
 PROVIDE L1 FIRE ALARM TO BE INSTALLED IN ACCORDANCE WITH BS5839 PART 1&2  
 SMOKE DETECTION TO BE IN ACCORDANCE WITH BS5839 PART 1 EMERGENCY LIGHTING TO BE INSTALLED IN ACCORDANCE WITH BS5266 N1 NOTICES TO BE PROVIDED WITH ALL BS5839 PT1 SYSTEMS.  
 NB NOTICES TO BE DISPLAYED ON BOTH SIDES OF ALL SHFR DOORS. SIGNS & NOTICES TO BE PLACED THROUGHOUT THE PREMISES TO COMPLY WITH HEALTH AND SAFETY SIGNS & SIGNALS REGULATIONS 1998 OR BS5499  
 FIRE FIGHTING EQUIPMENT SHOULD BE PROVIDED THROUGHOUT AND MAINTAINED TO COMPLY WITH BS5266 OR EQUIVALENT

**ROLLER SHUTTER DOORS**  
 PROVIDE DOUBLE-SKINNED FORTRESS DB101, THERMALLY INSULATED ROLLER SHUTTER TO GIVE MIN THERMAL PERFORMANCE OF U-VALUE 0.7 W/M2K  
 A DOOR THAT OPENS UPWARDS SHALL HAVE A DEVICE TO STOP IT FALLING IN A WAY THAT MAY CAUSE INJURY.  
 A POWER OPERATED DOOR SHALL HAVE -  
 (A) A PRESSURE SENSITIVE EDGE OR OTHER SUITABLE DEVICE, WHICH OPERATES THE POWER SWITCH TO PREVENT USERS BEING CAUGHT OR TRAPPED;  
 (B) A READILY IDENTIFIABLE AND ACCESSIBLE STOP SWITCH; AND  
 (C) PROVISION FOR MANUAL OR AUTOMATIC OPENING IN THE EVENT OF A POWER FAILURE.

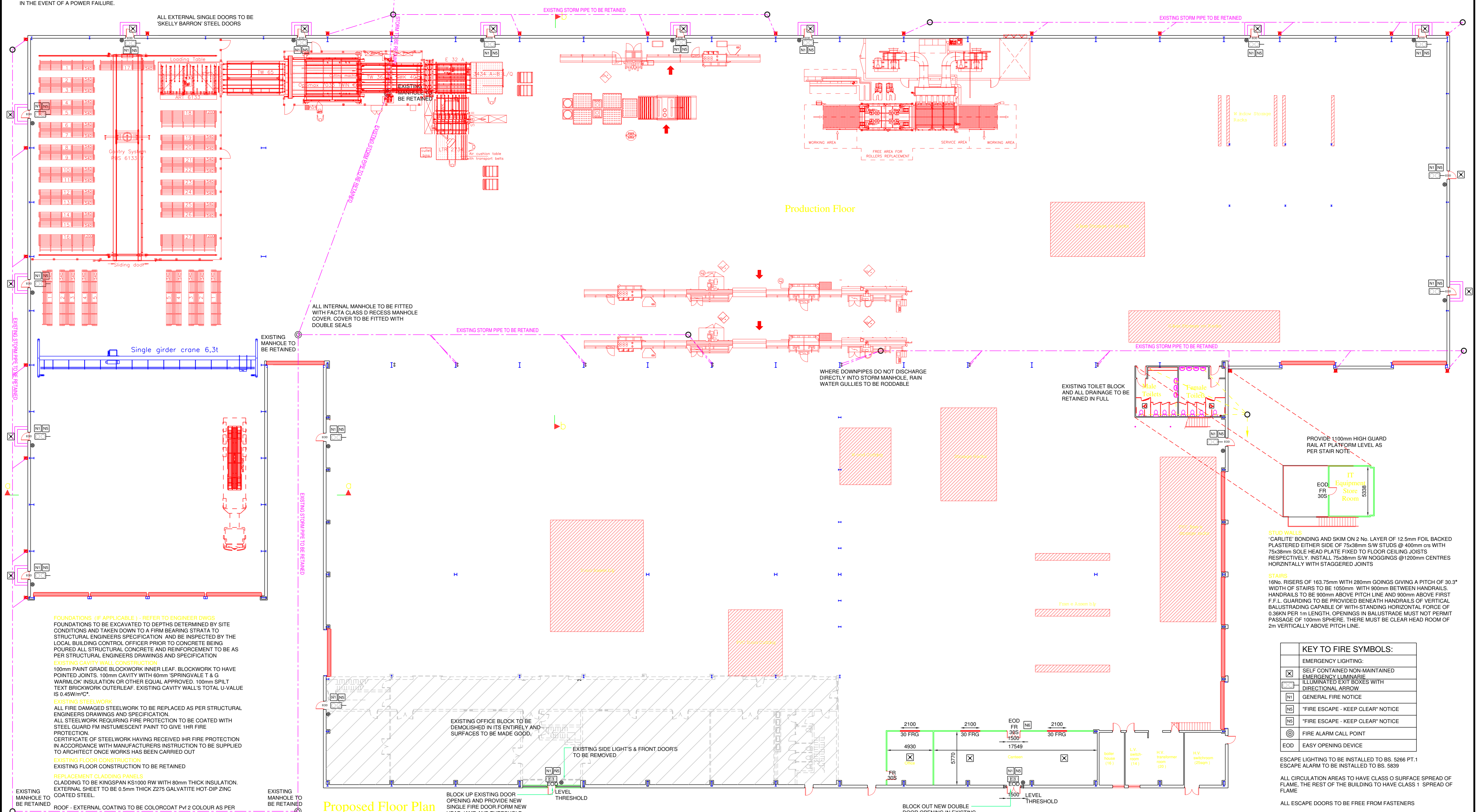
**ALL FIRE EXIT DOORS**  
 ALL DOORS TO FINAL EXITS TO BE A MIN WIDTH OF 850mm DOOR OPENING OR ELSE AS STATED ON PLAN.  
 ALL DOORS TO HAVE LEVEL THRESHOLD ACCESS TO COMPLY WITH PART R OF THE BUILDING CONTROL REGULATIONS OR ELSE OTHERWISE STATED. PROVIDE LANDING TO BE A MIN. OF 1200mm² AT EXTERNAL LEVEL. GROUND TO BE GRADED AWAY FROM LANDING AT A MIN. GRADIENT OF 1:20

THIS PROJECT IS TO BE EXECUTED AND COMPLETED IN ACCORDANCE WITH THE CURRENT BUILDING REGULATIONS, CODES OF PRACTICE, BRITISH STANDARDS, PROPER METHODS OF WORKMANSHIP, PROTECTION AND CONSTRUCTION SO AS TO GIVE A COMPLETE SOUND AND SECURE JOB. CONTRACTOR SHALL COMPLETE ALL NOTICES REQUIRED UNDER BUILDING REGULATIONS FOR INSPECTION OF WORK AS CONTRACT PROCEEDS AND SHALL VERIFY ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES IMMEDIATELY. DO NOT SCALE THIS DRAWING.  
 RESPONSIBILITY FOR HEALTH AND SAFETY ISSUES ON SITE SHALL BE THE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR. THE HEALTH AND SAFETY INSPECTOR SHALL BE NOTIFIED OF ALL WORKS PRIOR TO COMMENCEMENT OF ANY SITE WORKS AND THESE SHALL BE IN ACCORDANCE WITH THE APPROVAL PLANNING SUPERVISORS POST TENDER HEALTH AND SAFETY PLAN FOR THE DEVELOPERS.  
 GENERAL CONTRACTOR TO BE RESPONSIBLE FOR BRINGING ALL SERVICES ONTO THE SITE AND INTO THE BUILDING AT THE ALLOCATED POSITIONS. CONTRACTOR TO CHECK WITH VARIOUS SUB CONTRACTORS FOR THEIR REQUIREMENTS REGARDING RECESSES, CHASES, HOLES, etc. SO THAT THEY ARE BUILT CORRECTLY IN THE FIRST PLACE AND NO ALTERATIONS NEEDED AFTERWARDS

**NOTES**  
 Do not scale from drawings.  
 All discrepancies to be reported to the architect immediately.  
 All dimensions to be verified by contractor on site prior to any works.

**REVISIONS:**

No:	Description:	Date:	By:	Checked:
A	MACHINERY LAYOUT ADDED	08/04/09	MMC	
B	CANTEEN OFFICE ON GROUND FLOOR & ADDITIONAL OFFICE ABOVE TOILET BLOCK ADDED	27/05/09	MMC	
C	ON SITE SURVEY ADDED	10/06/09	MMC	



**FOUNDATIONS (IF APPLICABLE) - REFER TO ENGINEER DWGS**  
 FOUNDATIONS TO BE EXCAVATED TO DEPTHS DETERMINED BY SITE CONDITIONS AND TAKEN DOWN TO A FIRM BEARING STRATA TO STRUCTURAL ENGINEERS SPECIFICATION AND BE INSPECTED BY THE LOCAL BUILDING CONTROL OFFICER PRIOR TO CONCRETE BEING POURED ALL STRUCTURAL CONCRETE AND REINFORCEMENT TO BE AS PER STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATION  
**EXISTING CAVITY WALL CONSTRUCTION**  
 100mm PAINT GRADE BLOCKWORK INNER LEAF. BLOCKWORK TO HAVE POINTED JOINTS. 100mm CAVITY WITH 60mm SPRINGVALE T & G WARMLOCK INSULATION OR OTHER EQUAL APPROVED. 100mm SPILT TEXT BRICKWORK OUTERLEAF. EXISTING CAVITY WALLS TOTAL U-VALUE IS 0.45W/m²C.  
**EXISTING STEELWORK**  
 ALL FIRE DAMAGED STEELWORK TO BE REPLACED AS PER STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATION.  
 ALL STEELWORK REQUIRING FIRE PROTECTION TO BE COATED WITH STEEL GUARD FM INSTUMESCENT PAINT TO GIVE 1HR FIRE PROTECTION.  
 CERTIFICATE OF STEELWORK HAVING RECEIVED 1HR FIRE PROTECTION IN ACCORDANCE WITH MANUFACTURERS INSTRUCTION TO BE SUPPLIED TO ARCHITECT ONCE WORKS HAS BEEN CARRIED OUT  
**EXISTING FLOOR CONSTRUCTION**  
 EXISTING FLOOR CONSTRUCTION TO BE RETAINED  
**REPLACEMENT CLADDING PANELS**  
 CLADDING TO BE KINGSPAN KS1000 RW WITH 80mm THICK INSULATION. EXTERNAL SHEET TO BE 0.5mm THICK Z275 GALVATITE HOT-DIP ZINC COATED STEEL.  
**EXISTING MANHOLE TO BE RETAINED**  
 ROOF - EXTERNAL COATING TO BE COLORCOAT Pw2 COLOUR AS PER ELEVATIONS.  
 WALLS - EXTERNAL COATING TO BE COLORCOAT HP200 PLASTISOL COLOUR AS PER ELEVATIONS. INTERNAL SHEET TO BE STANDARD WHITE LINER  
 1hr FIRE RATE CLADDING TO BE KS1000 FW WALL CLADDING  
 ALL CLADDING TO BE FIXED IN STRICT ACCORDANCE TO KINGSPAN SPECIFICATION  
**LIGHTING**  
 REFER TO ELECTRICAL CONSULTANTS DWGS FOR FULL DETAILS OF LIGHTING. ALL LIGHTING MUST COMPLY WITH F OF THE BUILDING REGULATIONS.

**INTERNAL DOORS**  
 ALL NEW INTERNAL DOORS TO BE ½ FIRE RATED DOORS BY McELWEE JOINERY  
**PAINTING OF STEELWORK**  
 ALL PORTAL LEGS AND STANCHIONS ALONG A1 to A24 TO BE PAINTED WITH STEEL GUARD FM INSTUMESCENT PAINT TO GIVE 1hr FIRE PROTECTION  
 ALL STEELWORK FROM A1 to G1 TO BE PAINTED WITH STEEL GUARD FM INSTUMESCENT PAINT TO GIVE 1hr FIRE PROTECTION  
 ALL OTHER STANCHION TO BE GIVEN 2 COATS OF 'CROWN' GLOSS

**CAVITY FIRE BARRIERS**  
 PROVIDE PROPRIETARY 1hr FIRE STOPS TO CAVITY @ GL 1A, 4A, 7A, 10A, 13A, 16A, 19A, 23A, 24B, 1D, 1G, 24E, 24G, 22H, 22K, 22N, 21O  
**DOWNPIPES**  
 INTERNAL DOWNPIPES TO BE 150mm Ø u.p.v.c. PIPES TO BE FITTED WITH ACCESS POINTS AND PAINTED, COLOUR TO MATCH STEELWORK  
 EXTERNAL DOWNPIPES TO BE 150 Ø POWDER COATED ALUMINIUM REFER TO ELEVATIONS  
**THERMAL INSULATION**  
 ALL NEW HOT WATER PIPES TO BE INSULATED, THICKNESS OF INSULATION TO BE EQUAL TO OUTER DIAMETER OF PIPE.  
 INSULATION OF HOT PIPES AND STORAGE VESSELS SHALL BE IN STRICT ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS. ALL CONCEALED PIPEWORK NOT FORMING PART OF THE USEFUL HEAT EMITTING SURFACE SHALL BE INSULATED WITH ARMAFLEX OR MINERAL PIPE INSULATION IN RIGID SECTIONS WITH CLASS '0' SPREAD OF FLAME. THE INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

**STUD WALLS**  
 'CARLITE' BONDING AND SKIM ON 2 No. LAYER OF 12.5mm FOIL BACKED PLASTERED EITHER SIDE OF 75x38mm SW STUDS @ 400mm c/s WITH 75x38mm SOLE HEAD PLATE FIXED TO FLOOR CEILING JOISTS RESPECTIVELY. INSTALL 75x38mm SW NOGGINGS @ 1200mm CENTRES HORIZINTALLY WITH STAGGERED JOINTS  
**STAIRS**  
 16No. RISERS OF 163.75mm WITH 280mm GOINGS GIVING A PITCH OF 30.3° WIDTH OF STAIRS TO BE 1050mm WITH 900mm BETWEEN HANDRAILS. HANDRAILS TO BE 900mm ABOVE PITCH LINE AND 900mm ABOVE FIRST F.F.L. GUARDING TO BE PROVIDED BENEATH HANDRAILS OF VERTICAL BALUSTRADING CAPABLE OF WITH-STANDING HORIZONTAL FORCE OF 0.36KN PER 1m LENGTH. OPENINGS IN BALUSTRADE MUST NOT PERMIT PASSAGE OF 100mm SPHERE. THERE MUST BE CLEAR HEAD ROOM OF 2m VERTICALLY ABOVE PITCH LINE.

**KEY TO FIRE SYMBOLS:**

EMERGENCY LIGHTING:	
⊠	SELF CONTAINED NON-MAINTAINED EMERGENCY LUMINAIRE
⊞	ILLUMINATED EXIT BOXES WITH DIRECTIONAL ARROW
NI	GENERAL FIRE NOTICE
NE	*FIRE ESCAPE - KEEP CLEAR* NOTICE
NI	*FIRE ESCAPE - KEEP CLEAR* NOTICE
⊙	FIRE ALARM CALL POINT
EOD	EASY OPENING DEVICE

ESCAPE LIGHTING TO BE INSTALLED TO BS. 5266 PT.1  
 ESCAPE ALARM TO BE INSTALLED TO BS. 5839  
 ALL CIRCULATION AREAS TO HAVE CLASS 0 SURFACE SPREAD OF FLAME, THE REST OF THE BUILDING TO HAVE CLASS 1 SPREAD OF FLAME  
 ALL ESCAPE DOORS TO BE FREE FROM FASTENERS  
 PRELIMINARY PENDING ON BUILDING CONTROL APPROVAL

PROJECT NO: M-0251-A DRAWING NO: L03-C  
 PROJECT TITLE: Refurbishment of Existing Factory for Camden Group at Newpark Industrial Estate Antrim  
 DRAWING TITLE: Proposed Floor Plan

DATE: 10/08/09  
 DRAWN BY: MMC  
 CHECKED BY: MMC  
 SCALE: 1:200

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