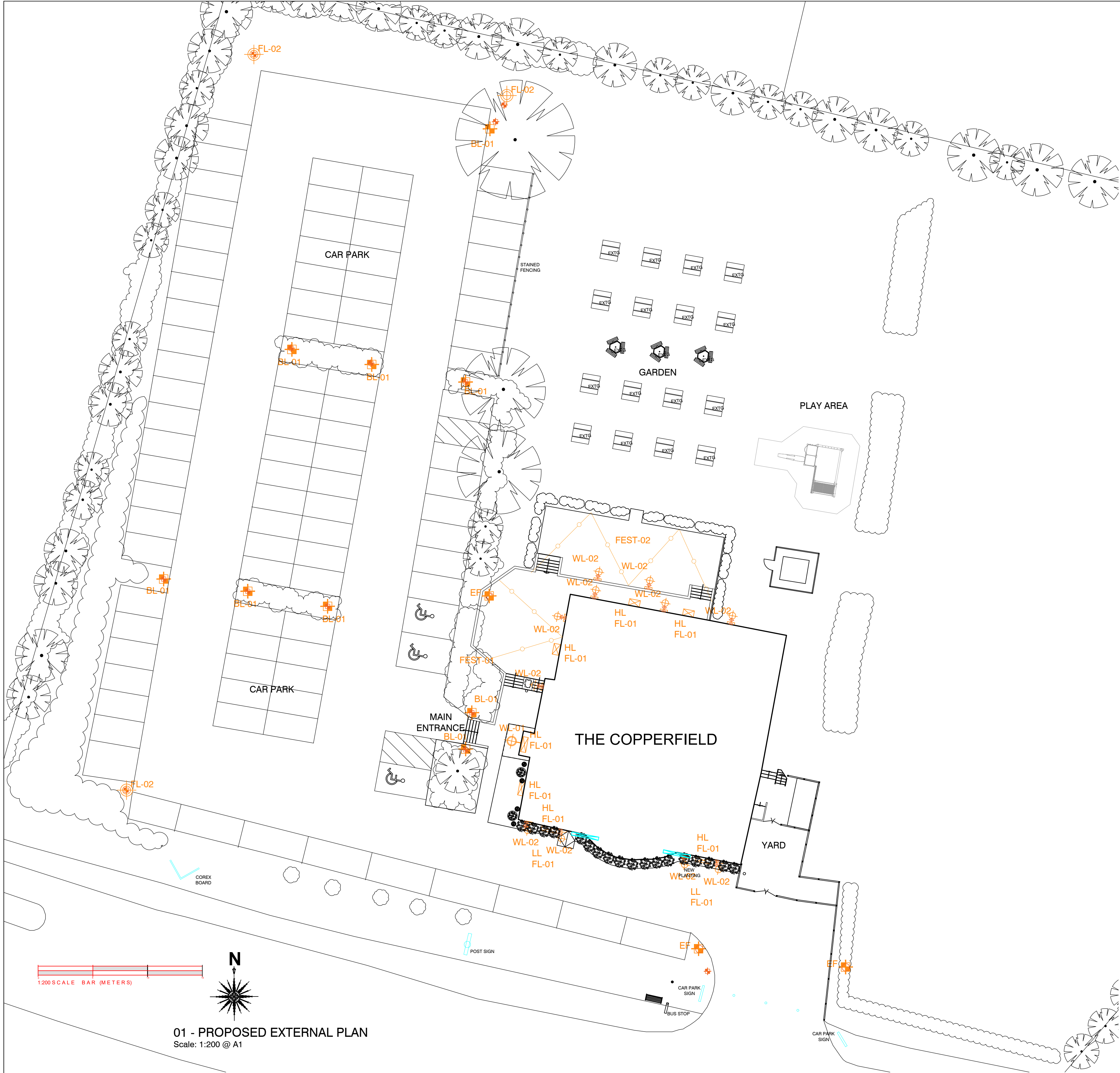




EXTERNAL LIGHTING SCHEDULE - ALL FITTINGS (INCLUDING EXISTING) TO HAVE NEW LED LAMPS								
KEY	ITEM	IMAGE	FITTING QUANTITY	DIMS	TOTAL DROP	LAMP SPEC	LAMP TYPE	LAMP QUANTITY
SIGNAGE	SIGNAGE LIGHTING - TO BE READ IN CONJUNCTION WITH SIGNAGE PACK. ALL TROUGH LIGHTS TO BE SPRAYED REF: TBC							
WL-01	NEW BRASS WALL LIGHT - BY SIGNAGE COMPANY		X1					X1 LAMP PER FITTING
WL-02	NEW UP AND DOWN ANTIQUE BRASS WALL LIGHT		X10			GU10		X2 LAMP PER FITTING
BL-01	NEW BOLLARD LIGHT		X9					X1 LAMP PER FITTING
HL FL-01	NEW LOW/HIGH LEVEL (WALL MOUNTED) FLOOD LIGHT		QUANTITY TBC BY ELECTRICAL CONTRACTOR				LAMP TYPE TO BE CONFIRMED BY ELECTRICIAN	X1 LAMP PER FITTING
FEST-01	NEW FESTOON LIGHTING		X1 WITH 1LM SPACING TO LAMPS	APPROX 30LM				
FEST-02	NEW FESTOON LIGHTING		X1 WITH 1LM SPACING TO LAMPS	APPROX 55LM				
EF	EXISTING LAMP POST TO BE RETAINED & RELAMPED		X3				LAMP TYPE TO BE CONFIRMED BY ELECTRICIAN	X1 LAMP PER FITTING
FL-02	EXISTING CAR PARK FLOOD LIGHT TO BE RELAMPED		QUANTITY TBC BY ELECTRICAL CONTRACTOR				LAMP TYPE TO BE CONFIRMED BY ELECTRICIAN	

FLOOR LAMPS & TABLE LAMPS TO BE SWITCHED, NOT ON THE DIMMING CIRCUIT

ALL FITTINGS MUST BE COMPATIBLE WITH THE DIMMING SYSTEM
ALL FITTINGS (INCLUDING EXISTING) TO HAVE LED LAMPS

GENERAL NOTES:
ALL WORKS DESCRIBED ON THIS DRAWING AND IN THE GENERAL NOTES BELOW ARE TO BE CROSS REFERENCED TO THE QS WORKBOOK. IF THERE IS ANY DISCREPANCY BETWEEN THE WORKBOOK & THE REQUIREMENTS (E.G. NEW DIMMER DESCRIBED BUT NO ALLOWANCE) THIS IS TO BE BROUGHT TO THE ATTENTION OF JMDA AND THE RELEVANT QS AT COSTING STAGE.

ANY DISUSED LIGHTING POINTS TO BE STRIPPED OUT AND SUPPLIES DISCONNECTED.

ALL FOH LIGHT/FITTINGS TO BE RELAMPED WITH M8B STANDARD LED LIGHTING SUPPLIED BY OTHERS. CONTRACTOR TO ALLOW TO FIT.

ALL PUBLIC AREA LIGHTING (EXCLUDING TOILETS) TO BE ON DIMMERS. THIS INCLUDES LED LIGHTING WITHIN JOINERY ITEMS. ANY EXISTING DIMMER CONTROLS TO BE RETAINED AND SUITABILITY ASSESSED AT TENDER STAGE. ALLOW FOR NEW DIMMER PACK TO M8B STANDARDS AS NECESSARY. CONTRACTORS WILL BE RESPONSIBLE FOR LIASING WITH SUPPLIERS REGARDING SUITABILITY OF DIMMER CONTROLS AND ANY ASSOCIATED EQUIPMENT TO ALLOW LIGHTING TO BE FULLY DIMMABLE WITHOUT FLICKERING. WALL LIGHTS MUST BE ON SEPERATE DIMMING CIRCUIT TO CEILING LIGHTS. CONTRACTOR TO COST FOR WORKS TO ALLOW THIS.

ALL LED LIGHTING WITHIN JOINERY ITEMS TO HAVE OPAL DIFFUSER FITTED IN FRONT OF THE LIGHTSOURCE.

ANY NEW LIGHTING, HEATING AND VENTILATION SYSTEMS SHOULD BE DESIGNED IN ACCORDANCE WITH THE NON DOMESTIC BUILDING SERVICES COMPLIANCE GUIDE. COMMISSIONING CERTIFICATES TO BE PROVIDED ON COMPLETION.

ALLOW TO LIASE WITH THIRD PARTY REGARDING POWER REQUIREMENTS IN ASSOCIATION WITH ANY NEW MUSIC SYSTEM.
ALLOW TO ALSO LIASE WITH THIRD PARTIES REGARDING ANY CCTV AND ALARM SYSTEM REQUIREMENTS.

ELECTRICAL CONTRACTOR TO LIASE WITH MAIN CONTRACTOR AT TENDER STAGE REGARDING ANY CONCEALED LED LIGHTING WITHIN ELEMENTS OF JOINERY (E.G. SHELVES TO DISPLAY CABINETS ETC).

LIGHTING FOR OFFICES AND STORAGE SHOULD MEET AN AVERAGE EFFICACY OF 60 LUMINAIRE-LUMENS PER CIRCUIT WATT, WITH 22 LUMINAIRE-LUMENS PER CIRCUIT WATT FOR DISPLAY LIGHTING AND 60 LAMP LUMENS PER CIRCUIT WATT ELSEWHERE.

REFER TO CATERING SPECIALISTS / TECH SERVICES DRAWING FOR ANY POWER AND DATA REQUIREMENTS IN KITCHEN.

ALLOW TO ADAPT EXISTING EMERGENCY LIGHTING TO SUIT NEW LAYOUT IF AFFECTED BY WORKS. EMERGENCY LIGHTING TO BE INSTALLED TO COMPLY WITH BS 5266 PT. 1 AND TABLE 9. REFURB AND REPLACE ANY FAULTY EMERGENCY LIGHTS - ALL NEED TO BE IN FULL WORKING ORDER.

ALLOW TO ADAPT FIRE ALARM SYSTEM TO SUIT NEW LAYOUT IF AFFECTED BY WORKS. FIRE ALARM TO CONFORM TO CURRENT REGULATIONS. ALLOW TO REPOSITION ANY FIRE ALARM CALL POINTS OR BREAK GLASS POSITIONS AFFECTED BY THE WORKS. TO CONFORM TO CURRENT BUILDING REGULATIONS AND BS 5839 FIRE ALARMS TYPE L1

ALL WORK TO BE CARRIED OUT TO LATEST EDITION OF IEE REGS.

ALL ELECTRICAL INSTALLATIONS SHOULD BE CARRIED OUT BY A SUITABLY QUALIFIED COMPETENT PERSON AND COMMISSIONING CERTIFICATES SHOULD BE PROVIDED IN ACCORDANCE TO BS 7671.

ELECTRICAL CONTRACTOR TO PROVIDE ALL BACK OF HOUSE / STAFF AREA GENERAL AND EMERGENCY LIGHTING.

ALL EXISTING LIGHT FITTINGS TO BE TAKEN INTO STORAGE WHEN WORK STARTS ON SITE PENDING A DECISION BY THE CLIENT AS TO RE-USE / DISPOSAL.

ALLOW FOR 4No TWIN 13a SOCKETS GENERALLY LIASE WITH JMDA FOR POSITIONS. ALL FACE PLATES TO POWER POSITIONS AND LIGHT SWITCHES TO BE IN ANTIQUE BRASS TO GROUND FLOOR TRADE AREAS.

ALLOW FOR NEW 5a SOCKETS TO FLOOR AND TABLE LAMP POSITIONS.

REFER TO SIGNAGE CONTRACTORS DRAWINGS FOR EXTERNAL LIGHTING AND ALLOW POWER SUPPLIES TO RELEVANT POSITIONS.

MAIN CONTRACTOR TO ALLOW TO REMOVE ALL EXTERNAL SIGNAGE. ANY DUPLICATION TO BE CHECKED AT ANCHOR MEETING STAGE.

ANY RECESSED DOWNLIGHTERS TO BE FITTED WITH INTUMESCENT SOCKS OR FIRELINE PLASTERBOARD HOUSINGS TO MAINTAIN FIRE INTEGRITY BETWEEN FLOORS AS APPROPRIATE.

ALL TILLS ARE TO BE SUPPLIED WITH CLEAN LINES. ALLOW TO LIASE WITH THE CLIENT / THE CLIENTS REPRESENTATIVES IN RESPECT OF TYPE & AMOUNT OF CABLES REQUIRED. ASSUME 3No CAT 5 CABLES PER POINT OR AS DIRECTED IN THE QUANTITY SURVEYORS DOCUMENTATION / SPECIFICATION.

ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR CHECKING CONDITION / MISSING ITEMS UPON DELIVERY OF LIGHTFITTINGS FROM SUPPLIERS.

ELECTRICAL CONTRACTOR TO ALLOW TO REPLACE ALL EXTERNAL SON PACK TYPE FLOODLIGHTS WITH WHITE LED LIGHTING AS PER M8B STANDARD SPECIFICATION.

NOTE: MC TO PROVIDE ADEQUATE POWER FOR ALL WAITER STATION UNITS AND HOST POINTS

NOTE: MC TO ENSURE CEILINGS WILL HOLD WEIGHT OF FITTINGS ANY TO INSTALL PATTERESSES WHERE NECESSARY .

NOTE: ALL FLOOR AND TABLE LAMPS TO BE ON SEPARATE MAINS SWITCH, NOT ON LIGHTING ZONED AREAS

NOTE: ALL SOCKETS TO BE NEW ANTIQUE BRASS FINISH WITH USB

ALLOW FOR SINGLE 240 WATT SOCKETS TO EACH TOILET LOBBY & MAIN ENTRANCE LOBBY IN POSITIONS INDICATED FOR SCENT AWAY

SUSTAINABILITY AND BEST PRACTICE

Mitchells and Butlers is committed to operating in more sustainable way, reducing the impact of our operations on the environment. As part of our sustainability journey, our aim is work with a building supply chain who hold the same values and to implement sustainable construction practices on our capital investment programme including but not limited to :-

- Waste Management
- Sustainable Procurement
- Transport Impacts

WASTE MANAGEMENT

Diverting Waste from Landfill & Segregation of Waste

Sort waste materials into separate key waste groups, either on site, where feasible, or through licensed contractor for recycling and recovery. Where waste is to be segregated on

site, make sure all operatives are aware of this and that skips are clearly labelled.

Recycle as many materials as possible (e.g. timber off cuts)

Do not throw away part bags/boxes of materials; re use them on the next job if possible

Aim to reduce waste generated on site where ever possible by "just in time" delivery

Minimising the potential of materials getting "spoil" by ensuring storage areas are appropriate and not remove packaging until materials are needed.

Selecting a procurement route that minimises packaging Avoid over ordering

Organising a take-back procedure for surplus materials and

using standard sizes
Minimising the potential of materials getting "spoil" by ensuring storage areas are appropriate

Keep accurate records on waste arising from site and waste management routes. Aim to divert from landfill 90% of waste generated from a project measured in tonnage. At the end of every project the contractor will be required to produce a waste management report detailing the volume of waste removed and how much was diverted from landfill.

SUSTAINABLE PROCUREMENT

Timber

All timber and timber-based products used during the construction process of the project are legal and sustainable timber.

100% of timber used is from at least one of the following sources:

- Reclaimed;
- Recycled; or
- Where new timber is used, is supplied with a Chain of Custody (CoC) from one of the following forest certification schemes only:
 - Forest Stewardship Council (FSC);
 - Programme for the Endorsement of Forest Certification (PEFC);
 - Sustainable Forestry Initiative (SFI);
 - Canadian Standards Association (CSA).

• Or FSC Project Certification is accredited to the contractor and includes the supply of all timber on the project.

Responsible sourcing of materials where selected by the Contractor

All materials specified for the refurbishment meet at least one of the following:

- Are reused,
- Accredited with ISO14001,
- Accredited with BES6001,
- Are supplied with an Environmental Product Declaration (EPD), written in accordance with ISO 14025 standards,
- If new, manufactured with at least 25% recycled content (measured by mass) and 100% recyclable content (designed for deconstruction with components that can be

recycled), or,

- Have been awarded the EU Ecolabel.

TRANSPORT IMPACTS

Where feasible keep transportation impacts to a minimum through the utilisation of:-

Local suppliers for the sourcing of materials
Local plant hire companies

Local labour

Local waste disposal contractors

Encourage van sharing and car sharing where possible

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DO NOT SCALE. WRITTEN DIMENSIONS TO BE USED IN PREFERENCE TO SCALED DIMENSIONS. ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR & ALL DISCREPANCIES TO BE REPORTED TO JMDA

JOB TITLE
M&B EGO
THE COPPERFIELD
GRAVESEND RD, GRAVESEND, DA12 3JW

DRAWING TITLE
EXTERNAL LIGHTING, IT & POWER PLAN

DRAWING NUMBER
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