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SUBMISSION TO DISCHARGE LISTED BUILDING CONSENT CONDITIONS (2016/5679/L). Rev A

- 4 Detailed drawings, samples of materials and method statements as appropriate, in respect of the following, shall be submitted to and approved in writing by the local planning authority prior to the commencement of the relevant part of works on Skeel Library:

a) New internal lighting including scale drawings showing design and fixing methods.

Attached drawings 15 230 9000-DRG-23SK-LG 030 (c1), GF030 (c1), 01030 (c1), MZ030 (c1) & 02030 (c1) illustrate the proposed lighting on the Reflected Ceiling Plans.

Fixing will be by standard pattress blocks or recessed fitting clips where downlighters are proposed.

The selection of pendant fittings will be by the future resident.

b) New external lighting including scale drawings showing design and fixing methods.

Attached drawing 15230 9000 – DRG-23SK-LG 030 illustrates the proposed external lighting to the Lower Ground floor terrace. The attached illustration of the Orlight recessed fitting proposed, to be positioned approximately 1m above the lower paving level.

c) New fireplaces, grates and hearths.

None are proposed.

d) New internal stair from first to second floor at a scale of 1:10.

The existing stair is to be retained.

e) Suspended ceilings including fixing method to existing.

New suspended ceilings are proposed for:-

Lower Ground Floor and single storey extension.

Ground Floor Master Bedroom, Entrance hall, Study, Media Room and all ancillary accommodation.

First Floor lobby, Utility, Office and WC.

[No suspended ceiling in main double height space]

Mezzanine landing

[Second Floor has ceilings to roof space and pitch lines]

The method of construction of the suspended ceilings will be in accordance with British Gypsum Casoline MF system, utilising plasterboard and skim finish.

The attached drawings 15 230 9000-DRG-00SK-DE006 (c1) show a typical detail (DE06), together with Sections 9000 – DRG-04SK-SE001 (c1) & SE 002 (c1).

f) All new external railings.

Application to follow.

g) Roof repairs demonstrating materials and techniques to be used, including the upgrading of insulation.

As AOD 2016/3985/P Approved. Drawings 9000-DRG-00GN-DE016 (T2) and 9000-DRG-03SK-RF910 (A) attached as resubmission of previous approval.

h) Any underpinning and structural works to the building, including method statements and details of materials and techniques to be used.

As AOD 2016/4123/L Decision awaited.

i) Any upgrading works to satisfy Building Control including noise insulation and fire separation.

Thermal Insulation to whole of Lower Ground Floor, Ground Floor and Second Floor.

Attached drawings I5230 9000-DRG-00SK-DE001 (c1), DE002 (c1), DE003 (c1), DE004 (c1), DE005 (c1) and DE006 (c1).

I5230 9000-DRG-00GN-DE030 (T2), DE031 (T2) and DE032 (T2) covering a range of different linings applicable across all buildings. For relevant detail refer to floor plan codes on the following drawings.

9000-DRG-03SK-LG010 (c1), GF010 (c1), 01010 (c1) MZ010 (c1) & 02010 (c1) indicating locations of various upgrade finishes.

j) Internal joinery and plasterwork, including how and where new and existing will be reinstated following the insertion of insulation and new wall finish

Partial discharge required covering all plasterwork as the above drawings for Condition i).

Separate application to follow for Internal Joinery.

k) Flooring, including the upgrading of insulation; lowering and build up detailing

Attached drawings I5230 9000-DRG-00SK-DE001 (c1), DE003 (c1), DE004 (c1), & DE005 (c1) for concrete floors.

I5230 9000-DRG-00SK-DE006 (c1) for upper floors.

- 5 Details of all new internal and external service runs, rainwater goods, vents, flues, extracts, cabling, heating equipment, and demonstrating their relationship with historic fabric shall be submitted to and approved in writing by the local planning authority prior to commencement of the relevant part of works. The submission shall include plans, elevations and section drawings at a minimum scale of 1:10 with detailed drawings at 1:5 also showing where applicable: new service cupboards, bulkheads and boxing in for all new bathrooms and kitchens including risers and pipework and radiators. The relevant part of the works shall be carried out in accordance with the details thus approved.

Application to follow

- 6 Details of any proposed re-pointing, including the proposed materials and pointing style shall be submitted to and approved in writing by the Council as local planning authority prior to the commencement of the relevant part of the work. The relevant part of the works shall be carried out in accordance with the details thus approved.

As AOD 2016/3985/P Approved. Drawings 9000-DRG-00GN-AL040 (T1) and 9000-DRG-02SK-EL001(c1), EL002(c1), & EL003(c1), elevations attached as resubmission of previous approval.

- 7 Details of any brick cleaning, including the cleaning method and undertaking of trials shall be submitted to and approved in writing by the Council as local planning authority, prior to the commencement of the relevant part of works. The work shall be carried out in accordance with such approved trials.

As AOD 2016/3985/P Approved. Drawings 9000-DRG-00GN-AL040 (T1) and 9000-DRG-02SK-EL001(c1), EL002(c1), & EL003(c1), elevations attached as resubmission of previous approval.

- 8 Details of all new windows and refurbishment works including a window schedule, drawings for all new and repaired windows, justification for proposals and method statements as appropriate shall be submitted to and approved in writing by the Council as local planning authority prior to the commencement of the relevant part of the works on Skeel Library. The submission for all new windows shall include a typical plan, elevation and section drawings at a scale of 1:10 with typical glazing bar details at 1:1 for each window type. Details of window repair shall include works to associated joinery such as internal and external cills and sash boxes where appropriate. The works shall be carried out in accordance with the details thus approved.

As draft submission pending formal approval. Will be resubmitted against this Condition in due course

- 9 Details of all new internal and external doors and refurbishment works to retained doors including a door schedule, drawings for all new doors, justification for proposals and method statements for all new and repaired doors as appropriate shall be submitted to and approved in writing by the Council as local planning authority prior to the commencement of the relevant part of the works on Skeel Library. The submission for all new doors shall include a typical plan, elevation and section drawings at a scale of 1:10 with moulding profiles at 1:1 for each door type. The relevant part of the works shall be carried out in accordance with the details thus approved.

As draft submission pending formal approval. Will be resubmitted against this Condition in due course

- 10 Prior to commencement of the relevant works a damp proofing method statement shall be submitted to and approved in writing by the local planning authority.
The damp proofing works shall not be carried out other than in accordance with the approved method statement.

Attached drawings 15230 9000-DRG-00SK – DE001 (c1), DE003 (c1), & DE004 (c1) illustrate the proposed 'Drained Cavity' proposals.

AQP Description & Specification for Drained Cavity Damp Proofing also attached together with images of the type of system to be employed..

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DAMP PROOFING EXISTING WALLS BELOW GROUND

BS 8102 defines three forms of waterproofing protection. Type **A**, barrier protection (commonly referred to as ‘tanking’), Type **B**, structurally integrated protection, and Type **C**, drained protection.

The existing below ground walls have no tanking that we are aware of, nor any structurally integrated protection other than the inherent performance of the existing brickwork. It is therefore proposed to use Drained Protection Type **C**. Here the structure limits water penetration, while an internal drainage system collects and removes any water ingress.

There are three elements to this proposal:

- A drainage channel detail concealed within the floor construction.
- A sump pump system that removes any water to drain.
- A vapour barrier drainage membrane both vertically and horizontally linked to the drainage channel, to isolate the internal environment from the damp substrates.

The attached specification sets out the requirements for a Specialist Contractor, yet to be appointed, utilising an accredited Damp Proofing System, such as Newton or similar approved.

J40 FLEXIBLE SHEET WATERPROOFING/ DAMP PROOFING

To be read with Preliminaries/ General conditions.

Specification to be verified by manufacturer PRIOR to order and installation.

TYPES OF TANKING/ DAMP PROOFING

290 HIGH DENSITY POLYETHYLENE/ POLYPROPYLENE STUDDED CAVITY DRAIN MEMBRANE TO BASEMENT FLOORS

- Substrate: 50mm fully bonded levelling screed on RC concrete slab.
 - Preparation: In accordance with membrane manufacturer's recommendations.
- Manufacturer: Newton Waterproofing Systems Ltd or similar and approved.
 - Product reference: Newton 520 (System 500) or similar and approved.
- Stud height: 20mm
- Colour: Brown
- Fixing: Floors: Loose laid with sealed joints.
 - Fasteners: n/a
 - Fixing centres: n/a
 - Sealing: In accordance with manufacturer's standard detail.
- Joints: Floor membrane to up-stand of basedrain perimeter drainage channel.
 - Sealing: Newton Overtape.
- Joints: Floor membrane to horizontal dpcs through internal /external walls.
 - Sealing: Newton Waterseal tape.
- Joints: Service penetrations through floor.
 - Sealing: If necessary, a patch of membrane or plain DPC is laid over and sealed to the service with Waterseal Rope, and around its perimeter with Waterseal Tape. **NB. Protrusions through the floor slab/raft should be avoided wherever possible as they create weaknesses that allow unnecessary water ingress.**
- Joints: Flanged joint
 - Sealing: Newton Waterseal tape. Min. flange cover: 70mm.
- Joints: Butted joint
 - Sealing: Newton Overtape. Min.150mm wide.
- Drainage components: Newton Basedrain & floordrain components, jointing tape and adapters to be provided as necessary.
Newton inspection port installed in accordance with manufacturer standard details.
- Accessories:
- Additional Requirements: Membrane to be installed by registered installers who are trained and certified by John Newton within the manufacturers NSBC scheme.
All joints, fixings and penetrations through the membrane are to be installed strictly in accordance with manufacturers standard details.

291 HIGH DENSITY POLYETHYLENE/ POLYPROPYLENE STUDDED CAVITY DRAIN MEMBRANE TO BASEMENT WALLS

- Substrate: 50mm fully bonded levelling screed on RC concrete slab.
 - Preparation: In accordance with membrane manufacturer's recommendations.
- Manufacturer: Newton Waterproofing Systems Ltd or similar and approved.
 - Product reference: Newton 508 (System 500) or similar and approved.
- Stud height: 8mm
- Colour: White
- Fixing: Walls: Mechanically fixed using proprietary plugs.
 - Fasteners: Newton MultiPlugs, Newton Helifix Ties and insulation restraint clips.
 - Fixing centres: In accordance with standard manufacturer fixing pattern.
 - Sealing: In accordance with manufacturer's standard detail.
- Joints: Flanged & stud into stud joints
 - Sealing: Newton Waterseal tape.

- Joints: Stud over stud joint
 - Sealing: Newton Overtape. Min.150mm wide.
 - Drainage components: Newton Basedrain & floordrain components, jointing tape and adapters to be provided as necessary.
Newton inspection port installed in accordance with manufacturer standard details.
 - Accessories:
 - Additional Requirements: Membrane to be installed by registered installers who are trained and certified by John Newton within the manufacturers NSBC scheme.
- All joints, fixings and penetrations through the membrane are to be installed strictly in accordance with manufacturers standard details.**

WORKMANSHIP

310 WORKMANSHIP GENERALLY

- Condition of substrate:
 - Clean and even textured, free from voids and sharp protrusions.
 - Moisture content: Compatible with damp proofing/ tanking.
- Air and surface temperature: Do not apply sheets if below minimum recommended by membrane manufacturer.
- Condition of membrane at completion:
 - Neat, smooth and fully supported, dressed well into abutments and around intrusions.
 - Completely impervious and continuous.
 - Undamaged. Prevent puncturing during following work.
- Permanent overlying construction: Cover membrane as soon as possible.

320 INSPECTION

- Give notice: Before covering any part of membrane with overlying construction.

382 CAVITY DRAINAGE CHANNELS

- Manufacturer: Newton Waterproofing Systems Ltd or similar and approved.
 - Product reference: Newton Basedrain & floordrain components & sealing tape.

388 CAVITY DRAINAGE SUMPS WITH INTEGRAL PUMPS

- Manufacturer: Newton Waterproofing Systems Ltd or similar and approved.
 - Product reference: Newton Titan-Pro White
- Flow rate: To be confirmed by specialist.
- Pumping head (minimum): To be confirmed by specialist.
- Discharge pipe size: To be confirmed by specialist.

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LIST OF DRAWINGS TO ACCOMPANY CONDITION DISCHARGE

9000 – DRG – 02SK – EL001 C1
9000 – DRG – 02SK – EL002 C1
9000 – DRG – 02SK – EL003 C1

9000 – DRG – 03SK – LG010 C1
9000 – DRG – 03SK – GF010 C1
9000 – DRG – 03SK – 01010 C1
9000 – DRG – 03SK – MZ010 C1
9000 – DRG – 03SK – 02010 C1
9000 – DRG – 03SK – RF010 C1
9000 – DRG – 03SK – RF910 A

9000 – DRG – 04SK – SE001 C1
9000 – DRG – 04SK – SE002 C1

9000 – DRG – 23SK – LG030 C1
9000 – DRG – 23SK – GF030 C1
9000 – DRG – 23SK – 01030 C1
9000 – DRG – 23SK – MZ030 C1
9000 – DRG – 23SK – 02030 C1

9000 – DRG – 00SK – DE001 C1
9000 – DRG – 00SK – DE002 C1
9000 – DRG – 00SK – DE003 C1
9000 – DRG – 00SK – DE004 C1
9000 – DRG – 00SK – DE005 C1
9000 – DRG – 00SK – DE006 C1

9000 – DRG – 00GN – AL040 T1
9000 – DRG – 00GN – DE016 T2
9000 – DRG – 00GN – DE030 T2
9000 – DRG – 00GN – DE031 T2
9000 – DRG – 00GN – DE032 T2

APPROVAL NOTICES

AOD 2016/3985/P

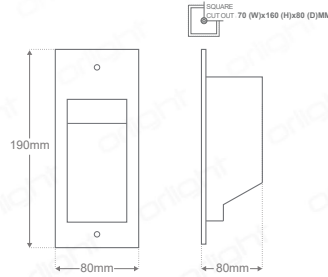
ORL6736 - External Wall Light

Description

Recessed feature fitting, vertically mounted and IP65 rated. The integral stepped louvre provides a soft even wash of downlight. Being mains dimmable the fittings can be included in stunning night time scenes.



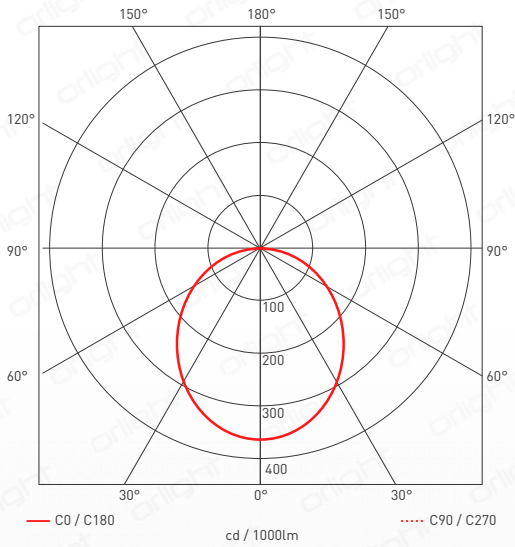
Dimensions



Standards



Polar Report



Specifications

| | |
|----------------------------|--------------------------|
| Chipset | 5050 - CREE |
| Dimming Options | Mains Dimmable |
| Power Consumption | 8W |
| Voltage | 3V |
| Colour Temperature | 3000K |
| Light Output ~ | 551lm |
| lm Per Watt ~ | 69lm/W |
| CRI | >80 |
| Beam Angle | 100° |
| Binning | 4 Step MacAdams Ellipse |
| Chip Life TM-21 | L70 > 60,000 hours |
| IP Rating | 65 |
| Operating Ambient Temp | -20-50°C |
| Max Surface Operating Temp | 65°C |
| Weight | - |
| Finish | Cast Aluminium / RAL9023 |

Colourmetrics

3000K

| | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|----|
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 |
| 79 | 86 | 93 | 82 | 78 | 83 | 86 | 61 |
| R9 | R10 | R11 | R12 | R13 | R14 | R15 | |
| 7 | 68 | 82 | 64 | 80 | 96 | 71 | |

Product Coding: Example: ORL6736-3000K

CODE

ORL6736

COLOUR TEMP.

3000K