

UNDERFLOOR HEATING TO BE PROVIDED THROUGHOUT

N.B. REMOTE MECHANICAL VENTILATION DETAILS TO BE ADDED AT A LATER DATE

Zoned Mood Lighting to be provided in:- all Ground Floor receptions rooms, Pool Complex, Cinema, Entertainment Room, Gym & all 1st Floor Bedrooms, Hall & Landings

NB: a remote power supply for any LCD mood lighting plates should be fitted adjacent to the dimming racks

Services Legend	
Security Light with sensor & manual override	5 amp Socket
External Wall Light - Flairlight 50001.00 GX53 dual emission wall light IP44	Double Socket Outlet set in floor
Low voltage downlight:	5 amp Socket set in floor
a F/OC11020.10 Flairlight TR light to be positioned over windows	External Waterproof Single Socket Outlet
b F/OC11020.10 Flairlight to be positioned over showers & in porch soffits	Garage Door Control
c F/OC11010.10 Flairlight downlight to be positioned elsewhere	Remote Switch 1200mm above floor (in Utility)
d F/OC11050.10 Flairlight downlight to be positioned over sanitaryware (not showers) & accessibility grates	Light Switch
LED Niche Lights:	Mood Lighting Control Plate
on 10402.60 Flairlight LED niche light to be positioned in showers	Digital Dimming Control Switch
on 10402.60 Flairlight LED niche light to be positioned over sanitaryware (not showers)	Remote switch control point
a 10042.10 Flairlight FLEDS5000W Recessed 88 beam LED downlight	CEFL PIR flush mounted
c 10022.10 Flairlight FLEDS5000W Recessed standard beam LED fixed downlight c/w dimmable driver to be positioned elsewhere	CEFS PIR surface mounted
e 10002.10 Flairlight LED fixed downlight c/w dimmable LED transformer	Illuminated Bell Push
f 10001.10 Flairlight LED fixed downlight (non-dimmable)	Door Chimes
Recessed floor & step light set into wall @ low level Flairlight 10422.10 Scoop 90 LED 3150k with remote 700ma driver Flairlight 10408.00	Alarm Key Pad
In floor light fitting Flairlight 10400.00 1W 350ma IP67 with remote LED driver Flairlight 10405.00	Alarm Control Panel
Low Energy Pendant Fitting to be specified by Interior Designer	Video/Audio Entry Unit
Dual emission wall Light Flairlight 10300.00 2 x 3W luminaires	Video/Audio Entry Sounder
Wall Light Fitting to be specified	Interconnected mains operated self contained Smoke Alarm complying with BS5446 Part 1 fitted to activate every fire alarm automatically.
Capped Off Light Point with support above for heavy feature light	Fire Detector complying with BS5839-6
Strip Light (garages)	As above c/w flashing beacon warning system
Batten Holder Fitting	Recessed floor & step light set into wall @ low level Flairlight 10422.10 Scoop 90 LED 3150k with remote 700ma driver Flairlight 10408.00
LED Tape Flairlight 10441.00 High Intensity Tape requires remote driver	In floor light fitting Flairlight 10400.00 1W 350ma IP67 with remote LED driver Flairlight 10405.00
External Uplighter Flairlight 50002.00 IP67 Round adjusted buried upright for GU10 6W LED lamp	Underwater Light Fitting
Underwater Light Fitting	Inset Brick Light Flairlight 50003.00
Inset Brick Light Flairlight 50003.00	Shaver Socket
Shaver Socket	13 amp Switched Socket 450mm above floor
13 amp Switched Socket 450mm above floor	13 amp Switched Socket 1200mm above floor
13 amp Switched Socket 1200mm above floor	Fused Spur with light & switch
Fused Spur with light & switch	Immersion 450mm above floor
Immersion 450mm above floor	MK Flex outlet
MK Flex outlet	Surveillance Camera
Surveillance Camera	Flairlight F22832 1x 300ma LED light IP67 for wall & floor mounting - requires remote LED driver
Flairlight F22832 1x 300ma LED light IP67 for wall & floor mounting - requires remote LED driver	Supply for feature lighting
Supply for feature lighting	

***Low energy* fittings must have a minimum of 5 Watts per fitting, with a minimum of 45 Lumens per Watt. Each fitting must also have a minimum of 400 Lumens**

Note:-

All electrical sockets, TV outlets, BT points, alarm panels, lights switches and other service outlets are to be fitted within a zone of 450mm and 1200mm from finished floor level.

Kitchen & Bathroom ventilation Mechanical ventilation to kitchens and bathrooms to be provided. Extraction rate to kitchens to be min. 30 litres/second and provided by an extraction cooker hood or an extraction fan with a min. extraction rate of 60 litres/second. Extraction rate to bathrooms to be min. 15 litres/second achieving 3 air changes with 15 minutes over run.

Plumbing & Heating Regulations
All works to comply with Octagon Developments Ltd., standard specification, the model water byelaws, BS6700 and the specific requirements of the Local Water Authority. A mains fed system shall only be installed when the running pressure in the water authority main is not less than 3 bar G with a min. flow rate of 50 litres/minute.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CHECK THE ABOVE REQUIREMENT WITH THE WATER AUTHORITY.

NB see separate drawings for radiator and towel rad locations.

All electrical work required to meet the requirements for Part P (Electrical Safety) must be designed, installed, inspected and tested by a person competent to do so.

Prior to completion the council should be satisfied that Part P has been complied with. This may require an appropriate BS 7671 electrical installation certificate to be issued for the work by a person competent to do so.

This drawing should be read in conjunction with Fire Risk Assessment ref: TN/10404/01A

Note:-

All lights located in the 1st Floor ceiling of a 3 storey dwelling should be 'Fire Rated' please refer to lighting schedule for references.

All lights located in the 1st Floor ceiling of a 2 storey dwelling should be fitted with an 'air tight box'.

