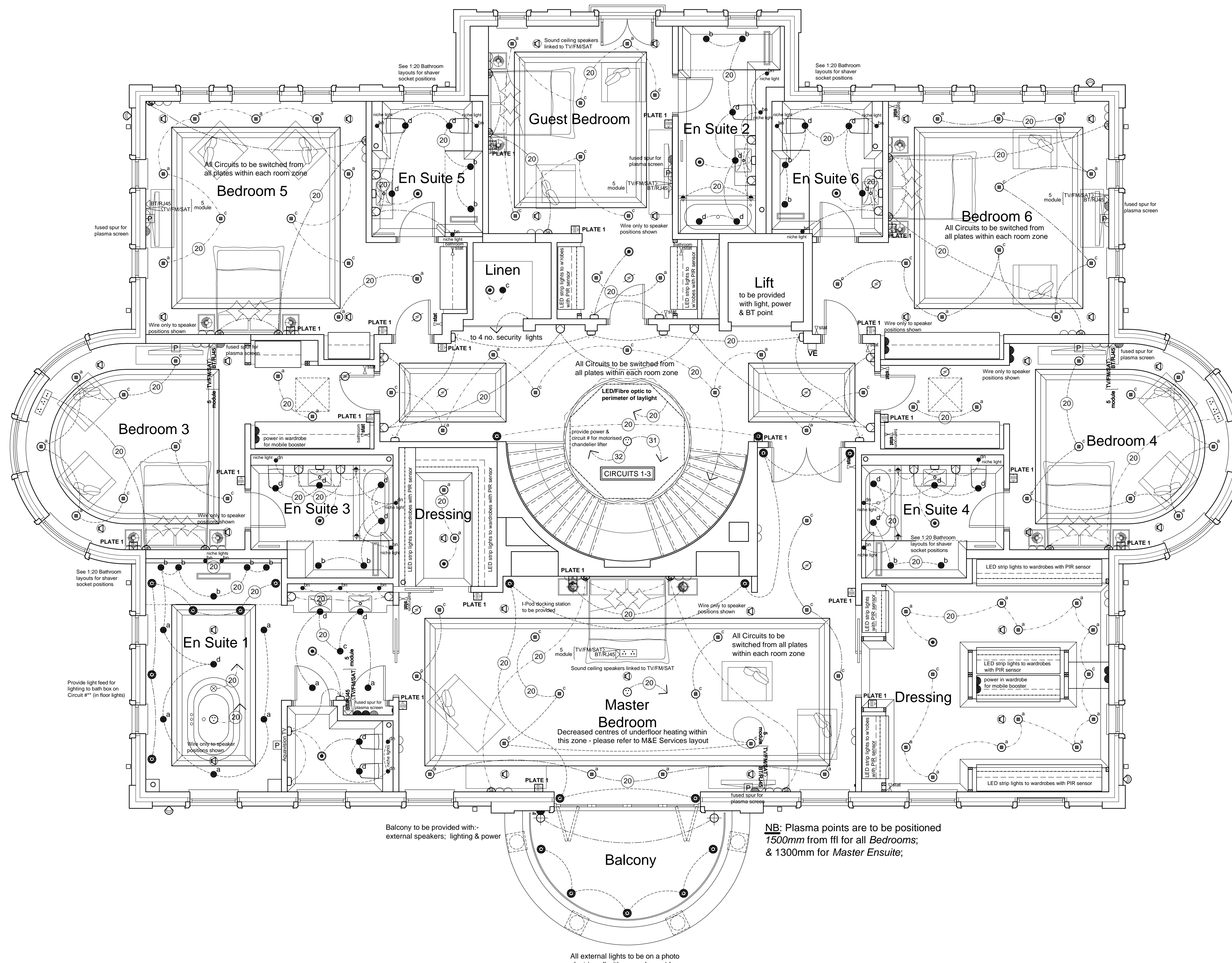


UNDERFLOOR HEATING TO BE PROVIDED THROUGHOUT

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 downlights:	5 amp Socket set in floor
a) F/OCT1020.10 Flairlight TR light to be positioned over windows	External Waterproof Single Socket Outlet
b) F/OCT1020.10 Flairlight to be positioned over showers & in porch soffits	Garage Door Control
c) F/OCT1010.10 Flairlight downlight to be positioned elsewhere	Remote Switch 1200mm above floor (in Utility)
d) F/OCT1050.10 Flairlight downlight to be positioned over sanitaryware	Light Switch
LED Niche Lights:	Mood Lighting Control Plate
to: 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	Remote switch control point
(not showers)	CEFL PIR flush mounted
a) 10042.10 Flairlight FLEDSB5WW Recessed fit bezel LED downlight	CEFL PIR surface mounted
c) 10022.10 Flairlight FLEDSB5WW Recessed standard bezel LED fixed downlight	Illuminated Bell Push
c/w dimmable driver to be positioned elsewhere	Door Chimes
e) 10002.10 Flairlight LED fixed downlight c/w dimmable LED transformer	Alarm Key Pad
f) 10001.10 Flairlight LED fixed downlight (non-dimmable)	Alarm Control Panel
Recessed floor & snap light set into wall @ low level Flairlight 10422.10 Scoop 90	Video/Audio Entry Unit
LED 3158 with remote 700ma driver Flairlight 10408.00	Video/Audio Entry Sounder
In floor light fitting Flairlight 10400.00 11W 350ma IP67 with remote LED driver	Interconnected mains operated self contained Smoke Alarm complying with BS5446 Part 1 linked to activate every fire alarm automatically.
Flairlight 10405.00	File Detector complying with BS5839-6
Low Energy Pendant Fitting to be specified by Interior Designer	As above c/w flashing beacon warning system
Dual emission wall Light Flairlight 10300.00 2 x 3W luminaires	Telephone Point & Data Point LAN to the back of BTs
Wall Light Fitting to be specified	TV/FM Aerial Outlet/SATellite Point
Capped Off Light Point with support above for heavy feature light	Datacom Frontplate K184 - 2 Gang, 4 module
Strip Light (garages)	Datacom Frontplate K184 - 2 Gang, 5 module
Batten Holder Fitting	Speaker Outlet
LED Tape Flairlight 10441.00 High Intensity Tape requires remote driver	Plasma Point (with remote fused spur)
External Upfitter Flairlight 50002.00 IP67 Round adjusted buried uplight for	Sentry Consumer Unit
GU10 8W LED lamp	Electric/Gas Meter cupboard positions
Underwater Light Fitting	Shower pump/Pillinger pump - power supply to be separate from main electrical board, with its own MCB
Inset Brick Light Flairlight 50003.00	External Tap with Internal Isolating Tap
Shaver Socket	Gas Point & Tap
13 amp Switched Socket 450mm above floor	Room Temperature Sensors 1200 - 1400mm from f.f.l.
13 amp Switched Socket 1200mm above floor	Thermostatic Room Temperature Controller (positioned adjacent to Mood Lighting Plate)
Fused Spur with light & switch	Digital Boiler Programmer controlling heating & hot water
Immerision 450mm above floor	Heated towel rail in bathrooms
MK Flex outlet	Dimplex Heater with fused spur
Surveillance Camera	Ceiling Fan
Flairlight F22832 1w 350ma LED light IP67 for wall & floor mounting - requires remote LED driver	
Supply for house 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 a 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'.

