architectural & urban
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inl_B008

PROJECT: **Shanghai Baby Restaurant.**
Jalan Petitenget 208. Bali, Indonesia.

CLIENT/CONTACT: **Nic Minniti, Aether Group**
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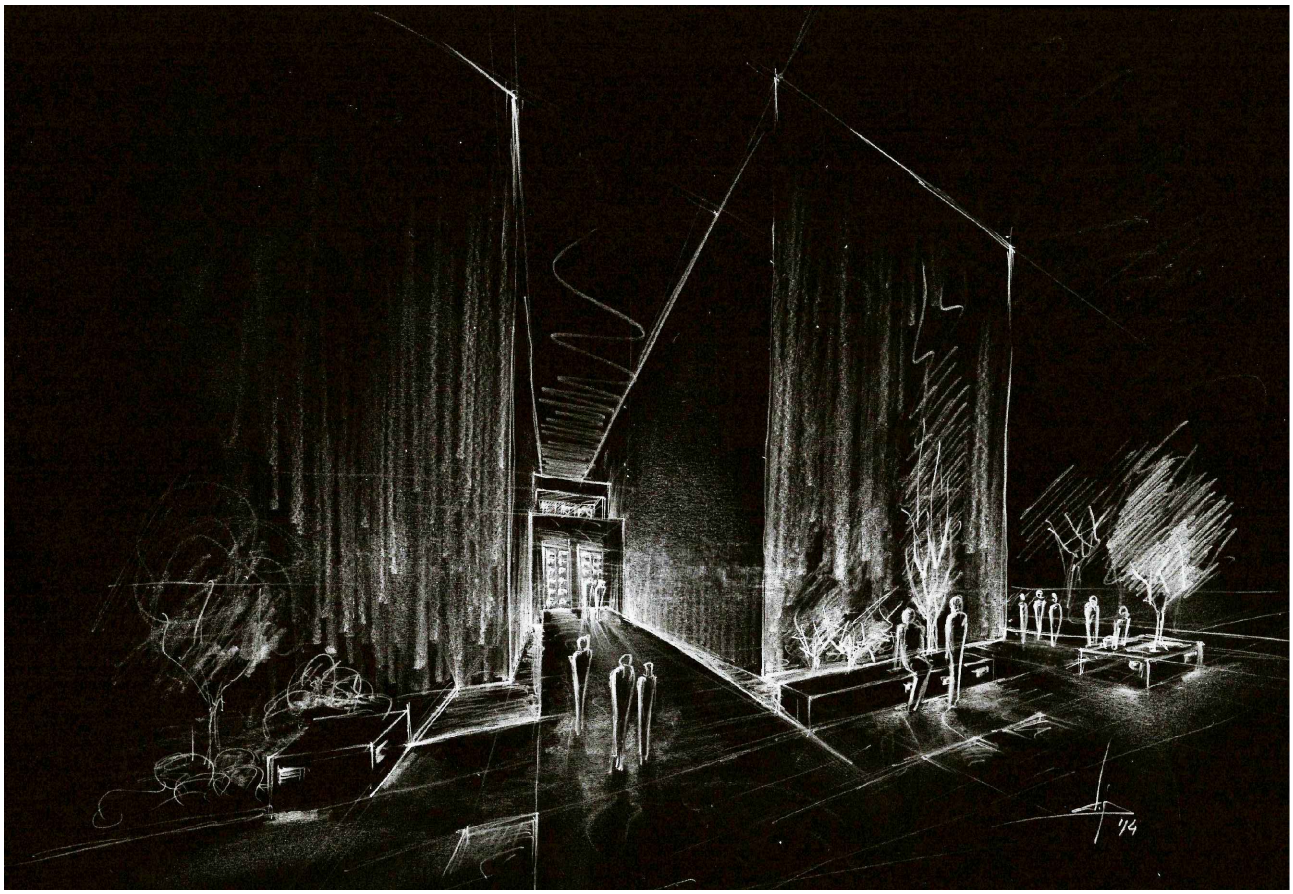
Caroline Usher (ushersbydesign@gmail.com)

GRAPHIC INFORMATION. LIGHTING CONCEPTS **2010/11/14**



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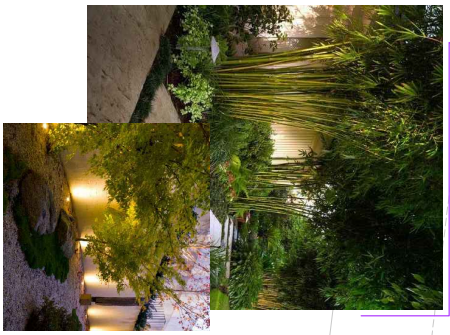

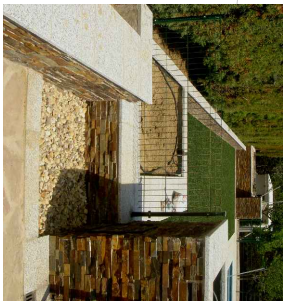

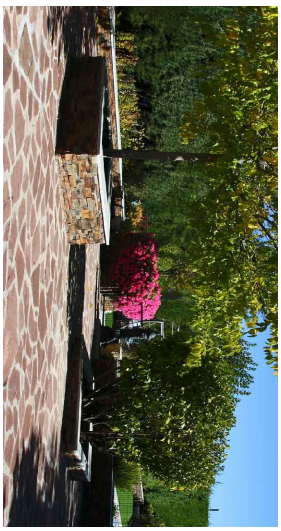

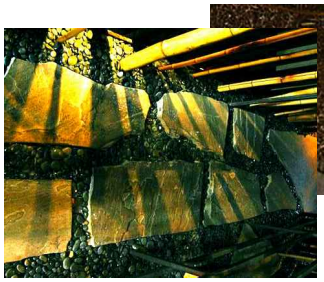

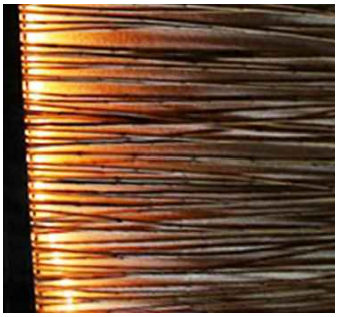

inl_B003_Shanghay Baby - LIGHTING CONCEPT. EXTERIOR, LANDSCAPE

2014/11/14

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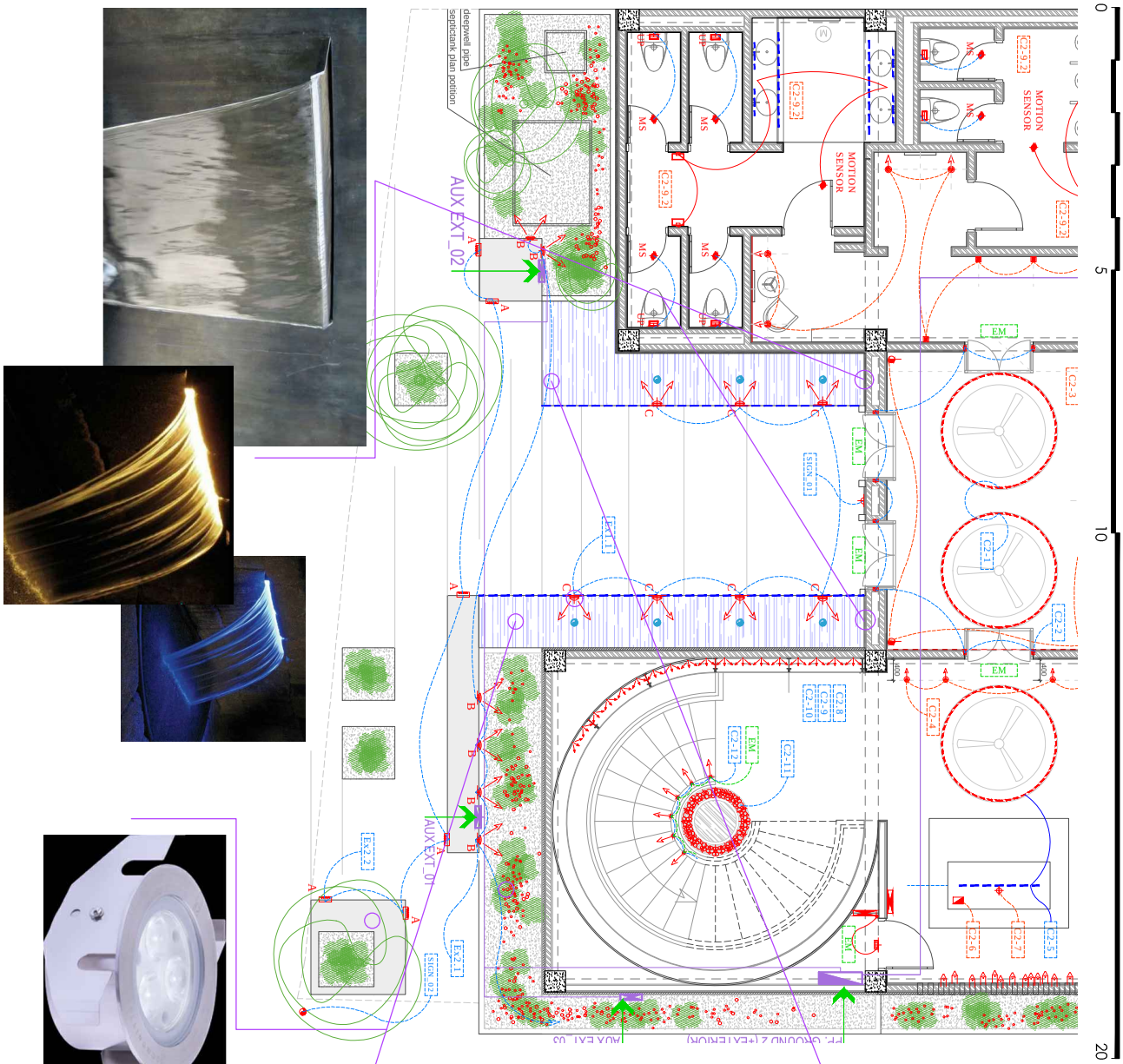

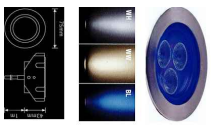

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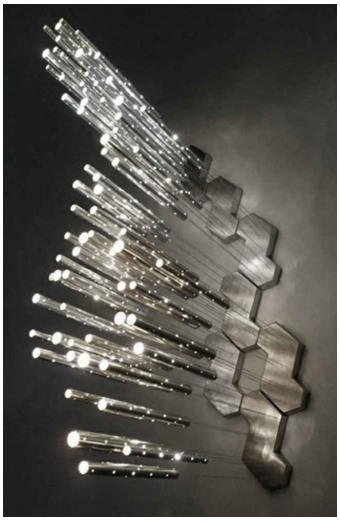

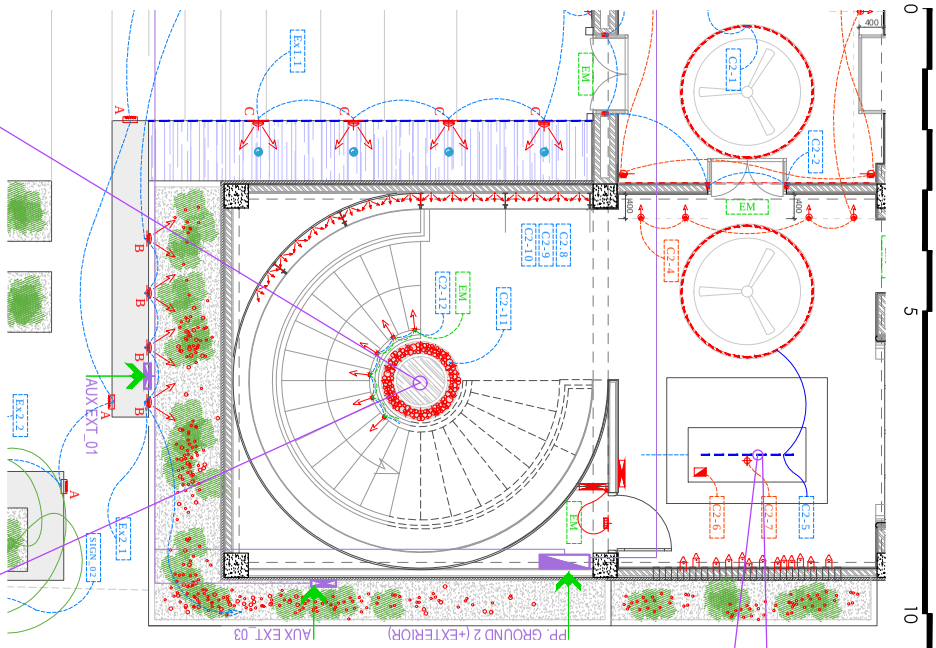

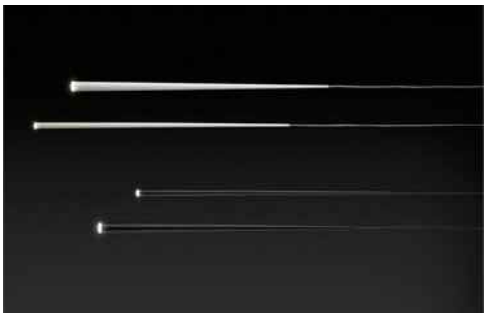

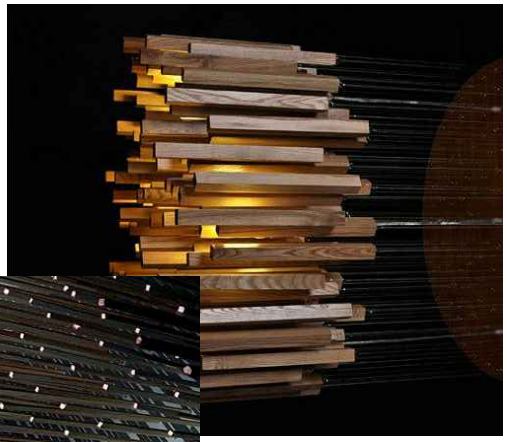

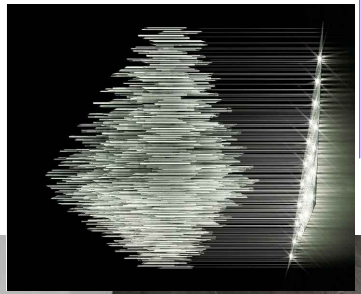

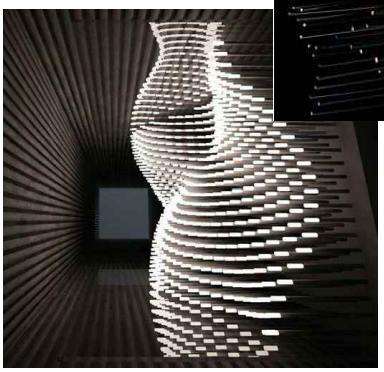

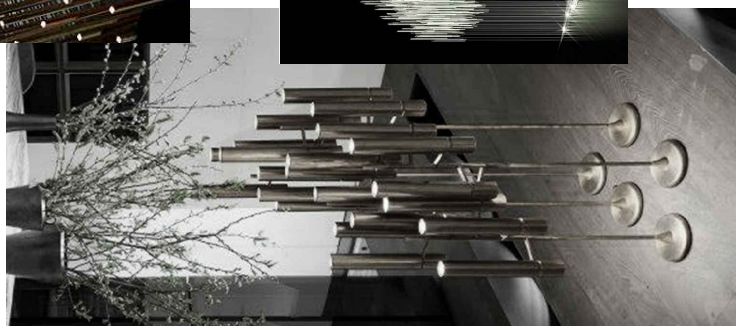

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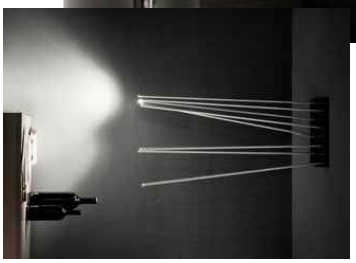

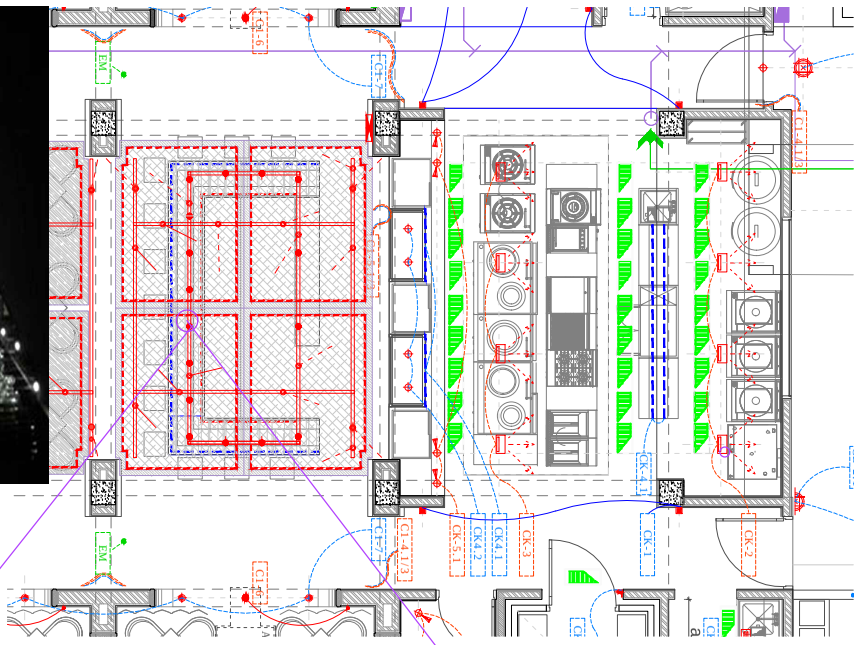

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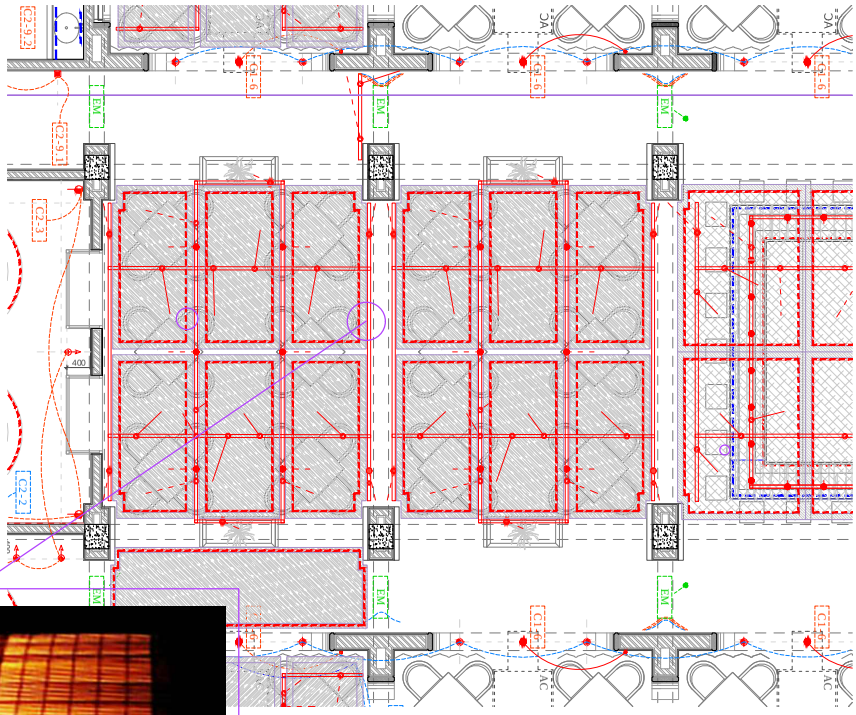

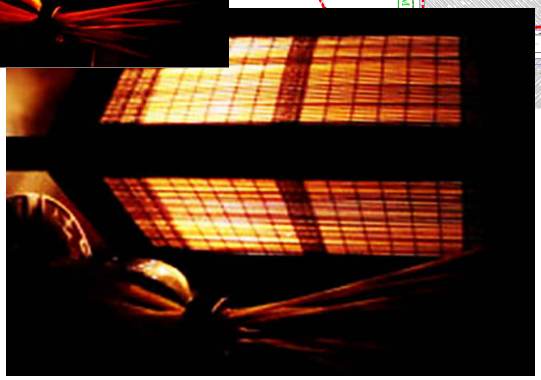

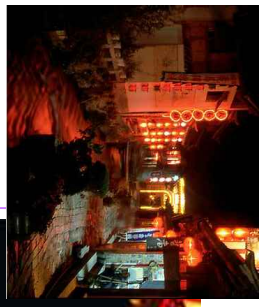

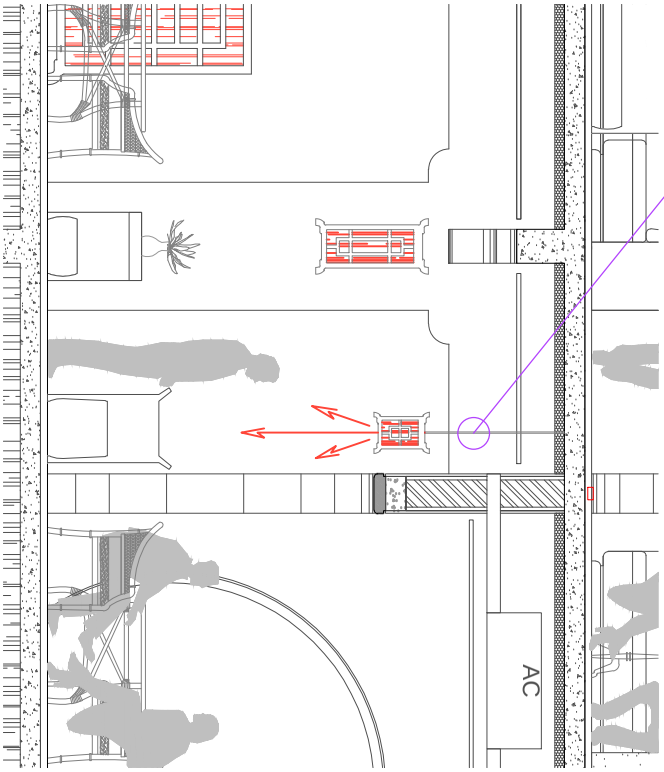

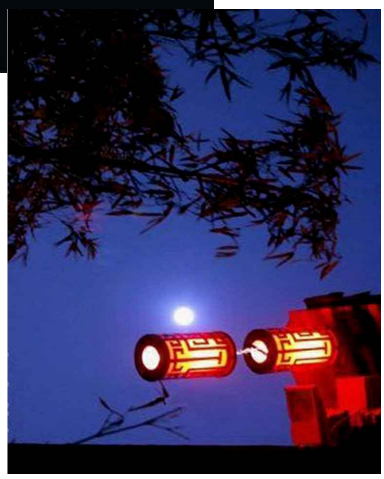

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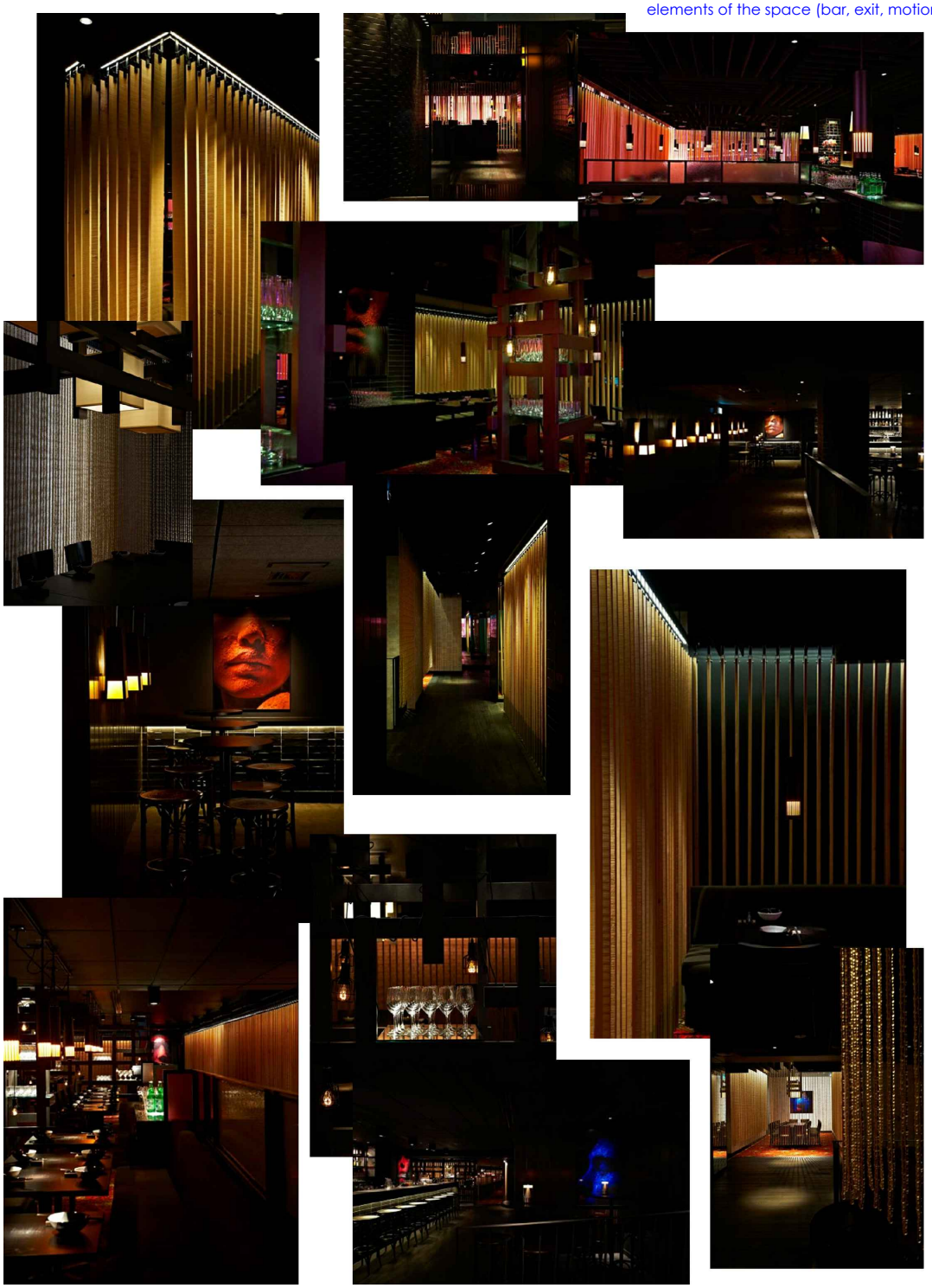
FANTASTIC REFERENCE THAT YOU HAVE SENT US AND DEFINITELY SOMETHING THAT WE SHOULD AIM FOR. HOWEVER, I WOULD LIKE TO POINT AT WHAT MAKE THIS RESTAURANT SO SUGGESTIVE AND "MAGICAL"

LESS IS MORE: The designer followed one concept and was the strength of the result. Too many things make blurry the general perception. and the final result: THE LIGHTING IS BASED IN HIGH CONTRAST.

The background is mainly dark and accent light is used to give depth to the space and make subtle the space comprehensive. The lighting system is based on the vertical surfaces with "stains" of light on the ground. DARK ceiling and floor helps to recognize the subtle lighting effects on the walls through vertical light enhancing the textures and colours of the different materials that they are made of.
It uses low level of light through lanterns over the tables. Accent light based on spotlight needs a cavity to be hidden in order to minimize any glare disturbances to the customers. If you see the light source within a dark background the subbte lighting effect ends up dramatically affected.

We have a great element in the scenario which is the unique suspended ceiling... but the accent light should be redesigned and relocated to don't lose the strength. Due to that, we suggested the "linear cavities" in between the frames-sections of suspended ceiling... see following pages)

Accent light creating depth to the scene apart from ensuring recognition by the customers of all the elements of the space (bar, exit, motion area, etc.)



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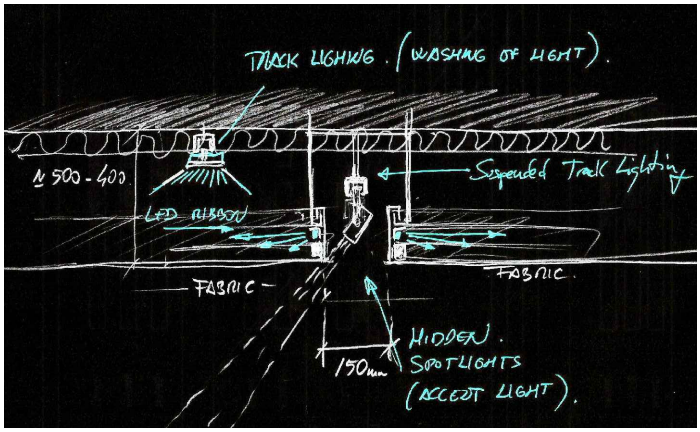
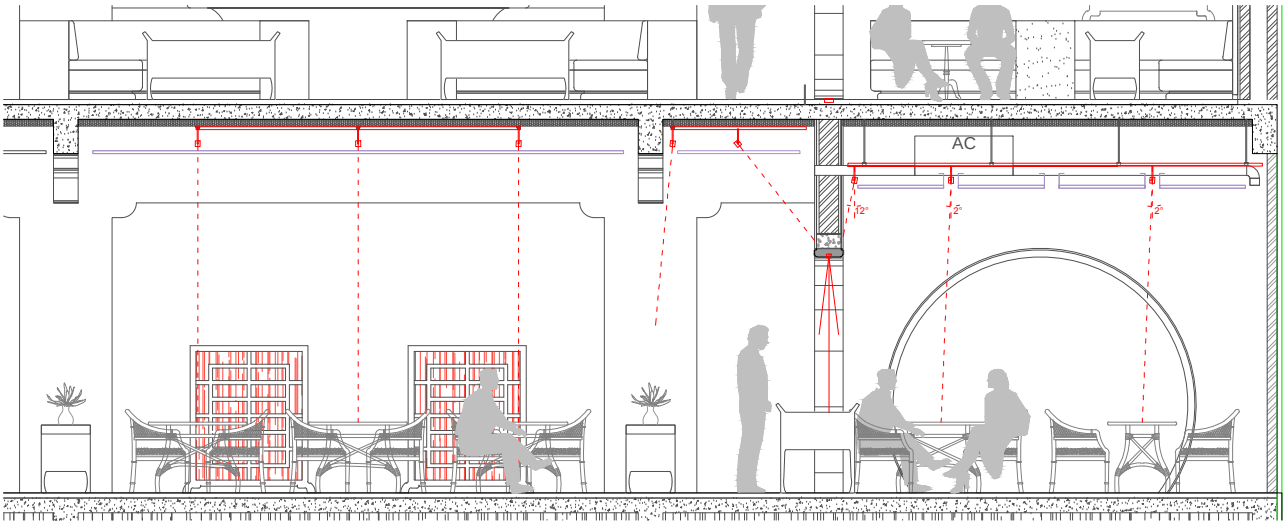
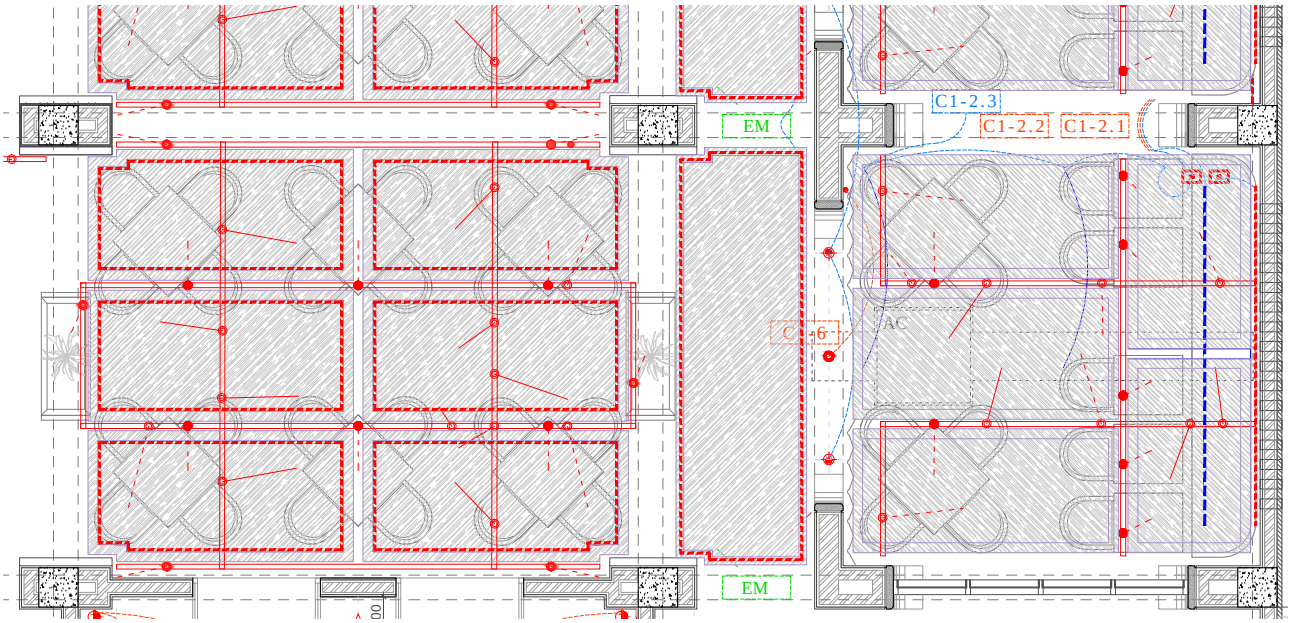
Takind what in page 01 has been said, In my opinion we should keep the peonies back lit through a LED strip located in its perimeter and then, both the accent light and the task lighting over each table should be placed and hidden in between the peonies. Universal track lighting system allows us to use everything that we could need in the market to meet whatever requirements.
Direct lighting system should be clean of any obstruction a surface in between to ensure apropiate level of light on the tables, low and concentrate on it.
If we light up the tables with spotlights located behind the fabric, which we still don't know its particularities, we have the risk of create a distortions in the scenario (and probably the fabric ends up being brighter than we expected...).
I see the ceiling as a beautiful, suggestive and low back lit texture. Spotlights behind can destroy that.



However, the track lighting system has been placed in order to cover all the needs in the scenario. (accent light on columns and walls, extra light for the waiters, total flexibility for future changes in the distribution.... for example, in the event of big gatherings and rearrengements of tables...)





Using 3 circuit track lighting provides total flexibility to each space to either increase the number of spotlights on the "accent light family" or use appropriate light fittings to give an extra wash of light to the fabric if needs.

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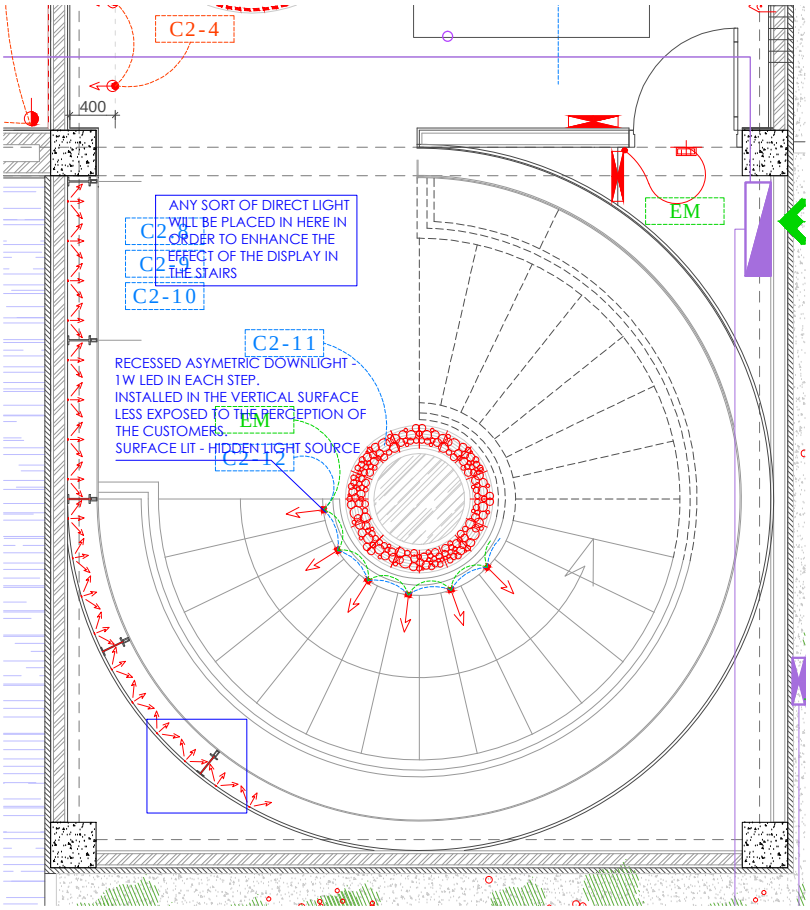
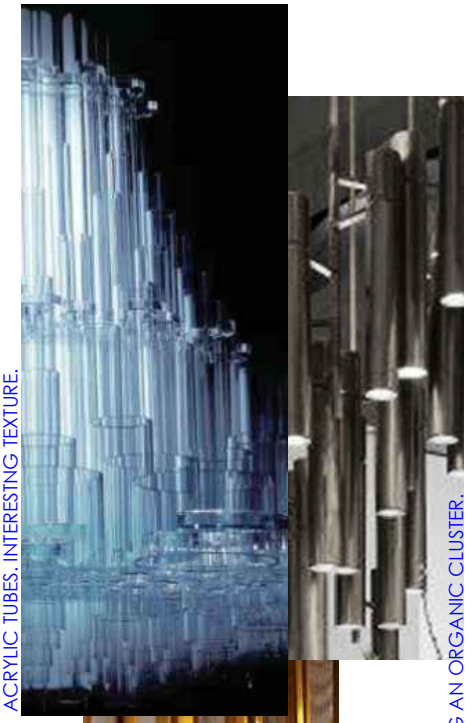
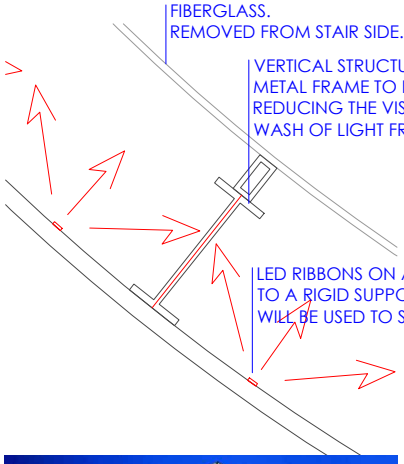




ACRYLIC TUBES. INTERESTNG TEXTURE.

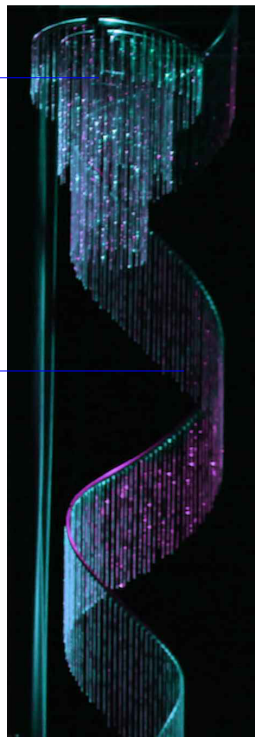
TUBES FORMING AN ORGANIC CLUSTER.

LIGHT SOURCE INSIDE THEM OR LOCATED IN BETWEEN



THE CYLINDER MADE OF "TILES" OF FIBERGLASS WILL BE LIT HORIZONTALLY ENSURING THE EVEN WASH OF LIGHT IN ALL THE VERTICAL SURFACE. (FACADE SHOWN IN PIC IS LIT FROM BELOW)

DEVELOPMENT OF THE CLUSTER OF ACRYLIC TUBES INSTALLED AROUND RINGS EMBRACING THE SKYLIGHT, USING THE EFFECT OF THE NATURAL LIGHT.



GROUPS OF ACRYLIC TUBES OF DIFFERENT DIAMETERS WILL BE SUSPENDED "FOLLOWING" THE STAIR DEVELOPMENT...

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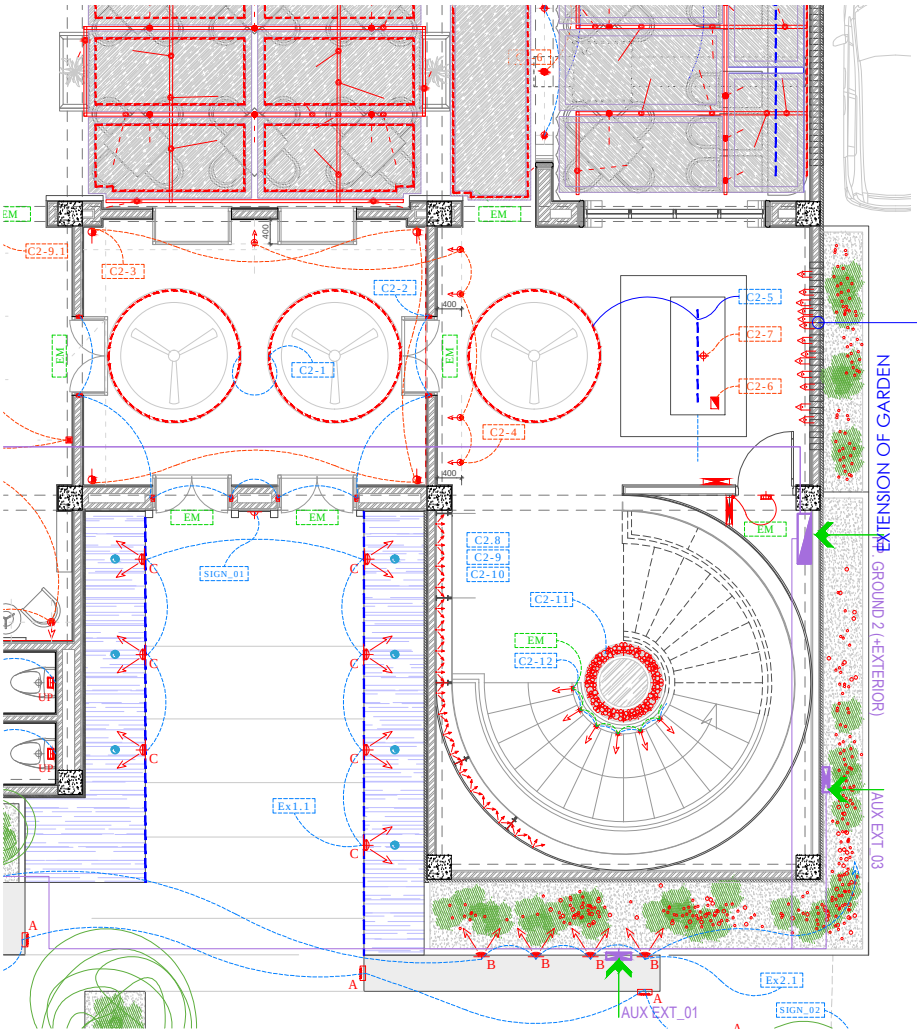
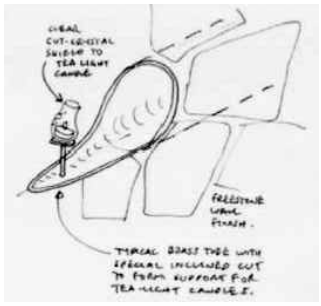


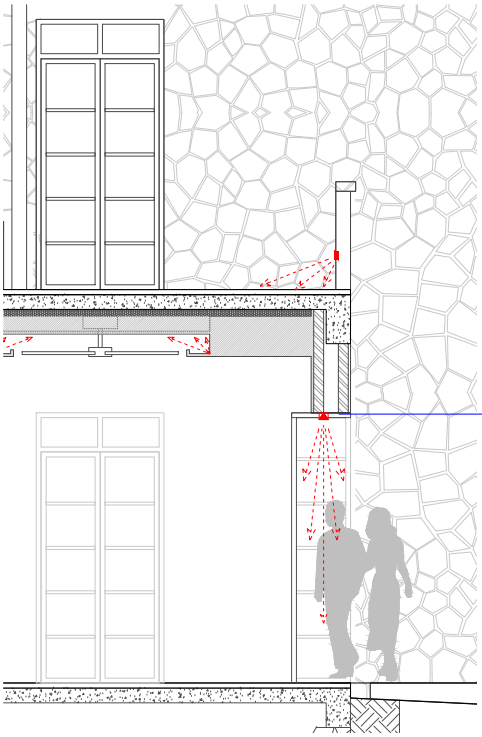


I'VE SEEN THAT IN THE GROUND FLOOR, AS A BACKGROUND OF THE RECEPTION DESK, THERE IS AN INTERESTING DISPLAY OF LANTERNS WITH CANDLES IN FRONT OF PERFORATIONS ON THE WALL.
i GUESS THAT IT'S FOR BEEN SEEN FROM OUTSIDE AND TO ADD A SUGGESTIVE LIGHTING EFFECT FROM INSIDE.

IN MY OPINION, TO IMPROVE THAT EFFECT, WE MUST DO:

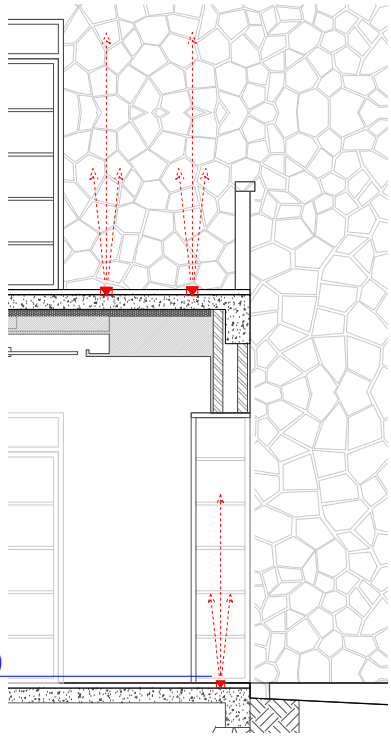
TO EXTEND THE EXTERIOR GARDEN TO PROTECT THE VIEW OF THOSE LIT HOLES FROM OUTSIDE AVOIDING ANY CAR BLOCKING THE VIEW. GRDEN COULD BE LESS DENSE TO ENSURE THE SUGGESTIVE VIEW OF THE FINELY DESIGNED WALL.

IN EACH CANDEL i WOULD PUT A SHELL FOR THE CUSTOMERS DON'T SEE THE BRIGHT AND INTENSE SPOT OT THE FLAME BUT TO SEE AND ENJOY THE "SEXY" AND ALIVE LIGHTING EFFECT CREATED BY AL THAT FLAMES ON THE WALL. IF THE EYE IS PROTECTED FROM THE FLAME, WILL BE ABLE TO SEE THE GREAT TEXTURE OF THE REFLECTION OF THE FLAMES ON THE WALL.
(THE SHELL CAN BE MADE OF A CURVED PIECE OF FROSTED GLASS. THEREFORE IT WON'T ADD A BLACK SPOT)



I GUESS THAT THE DOORS WHEN OPEN STAY INSIDE THE APERTURE.
IF SO, I WILL PLACE A COUPLE OF WIDE BEAM ANGLE DOWNLIGHTS THAT WILL WASH WITH LIGHT THE DOORS PLACED IN BOTH SIDE FRAMING THE ENTRANCE AND ESPECIALLY WILL BE SPREAD A WELCOMING LIGHT IN FRONT OF BOTH ENTRANCES FOR THE CUSTOMERS TO GET AN EASY APPROACH.
IT WILL BE COMPLETE WITH INDIRECT LIGHT SYSTEM USED INSIDE.

AT NIGHT, EVERYTHING CHANGE.
DOORS CLOSED WILL BE WASH WITH LIGHT FROM BELOW THROUGH A COUPLE OF IN-GROUND NARROW-BEAM UP-LIGHTERS, WHICH THROUGH A SOFT LIGHT WILL PROVIDE A SUGGESTIVE FOCUS OF ATTRACTION ENHANCING THE GREAT WOODEN DOORS.
COULD BE COMPLETED WITH MORE UPLITHERS PLACED IN THE EXTERIOR OF THE FIRST FLOOR AND SOME LIGHTS IN THE GARDEN (OR POND)



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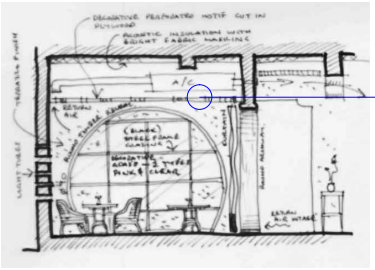
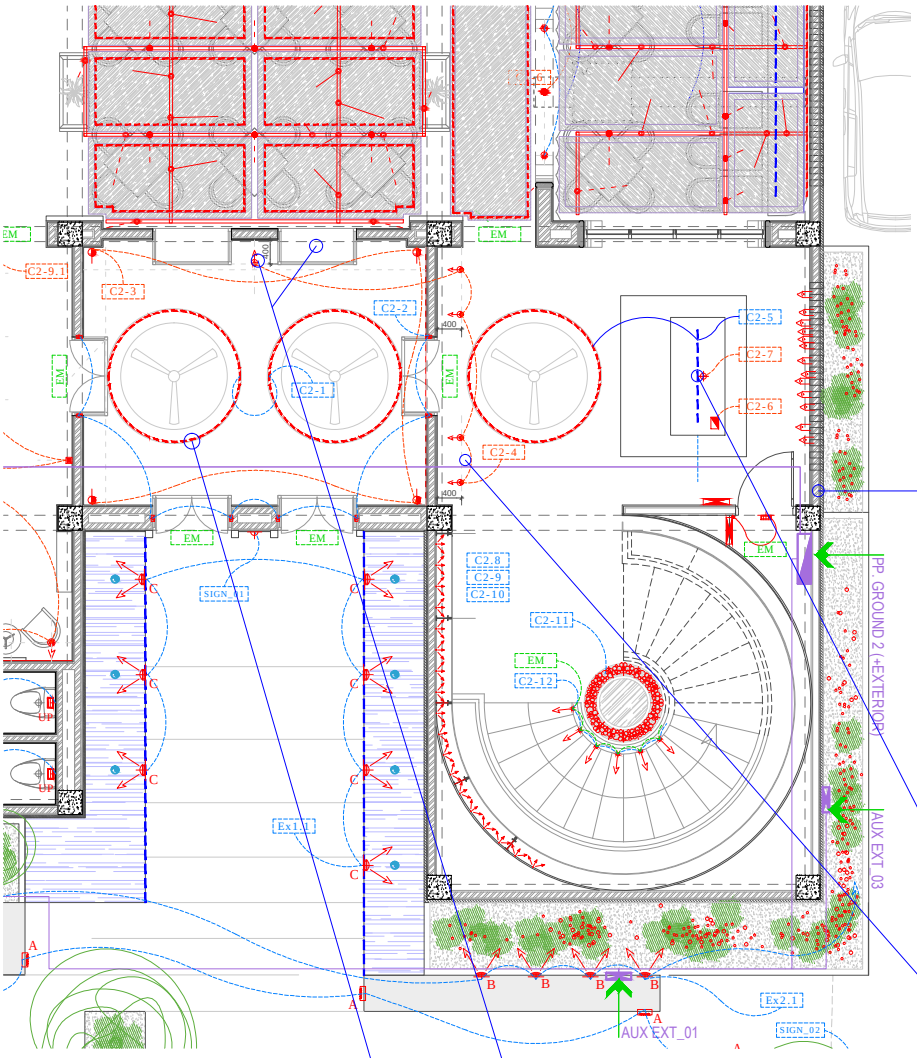


NIC, MY APOLOGIES FOR ASKING YOU THIS: I NOTICED THAT A LASER CUT PLYWOOD APPEAR AS SUSPENDED CEILING IN THE DINING AREAS, IS THAT RIGHT? PROBABLY IT'S BECAUSE YOU HAVE USED AN OLD DRAWING TO TALK ABOUT OTHER ISSUES... BUT JUST IN CASE (BECAUSE THE S PHASES RAIL TRACK WOULD BE WRONG...)



THE LIGHTING EFFECT CREATED BY THE FLAMES OF THE CANDLES WILL BE GREAT AS A BACKGROUND.
THEREFORE IS NOT NECESSARY ANY UP-LIGHITNG FROM THE GROUND.

TO ENHANCE THAT SUGGESTIVE EFFECT, WE SHOULD KEEP DOWN A LEVEL OF LIGHT ALLOWING THE EYE TO NOTICE AND TO FULLY ENJOY THE SUBTLE TEXTURE OF LIGHT:

- PLACE SHELL IN FRONT OF EACH FLAME AS I SUGGESTED BEFORE

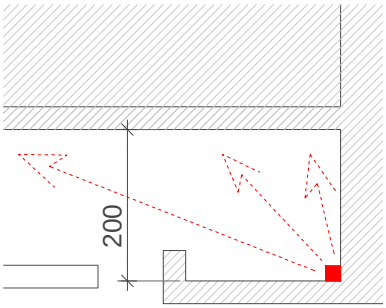
- PLACED DIRECT LIGHT ABOVE THE DESK THROUGH A FINELY DESIGN PENDANT WITH THE HORIZONTAL COMPONENT OF LIGHT TOTALLY BLOCKED. (COULD AN SQUARE SIMPLE DRUM COVER WITH NICE FABRIC OR DAR WOOD AS SHOWN BELOW)

- LED STRIP CAN BE PLACED UNDERNEATH THE THE DESK TO GENTLE WASH THE FLOOR.

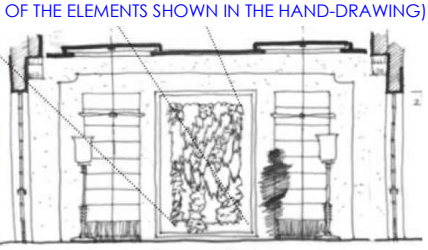
THE FINAL DESIGN OF THE LED STRIP PLACED UNDERNEATH THE DESK WILL TAKE INTO CONSIDERATION THE NATURE OF THE FLOOR IN ORDEN TO AVOID A COMMON MISTAKE OF A REFLECTION OF THE LIGHT SOURCE ON A GLOSSY TILE.

DOWNLIGHTS FRAMING THE ENTRANCE WASHING WITH LIGHT FROM ABOVE WILL CREATE A DIAGONAL OF LIGHT THAT WILL BALANCE THE SPACE.
WILL BE A DIMABLE SYSTEM TO ENSURE A SOFT LIGHT

THE HEIGHT OF THE CAVITY COULD BE GREAT IF IS AT LEAST 200mm HIGH. IT WILL HELP TO SPREAD THE LIGHT



I'VE ELIMINATED THE DOWNLIGHTS INSTALLED INSIDE THE WINDOWS THAT ARE VISUALLY CONNECTED WITH THE DINNING ROOM AS IT COULD BE AN ATTRACTIVE VIEW WHEN CUSTOMERS ARE IN ABOUT TO GO IN. (HOW TRANSLUCENT IS THE GLASS WILL BE USED? HOWEVER, I FOUND MORE INTERESTING PROVIDE AN INTENSE DIRECT LIGHT TO THE "FLORAL MOTIVE" PLACED ON THE WALL IN BETWEEN THE WINDOWS. MAY I ASK? LOOKING A DRAWING SEEMS THAT THE SPACE IN BETWEEN THE WINDOWS IS FAR WIDER THAN IN THE CAD DRAWING. PLEASE, CHECK THIS OUT. (I REALLY LIKE THE PROPORTION OF OF THE ELEMENTS SHOWN IN THE HAND-DRAWING)



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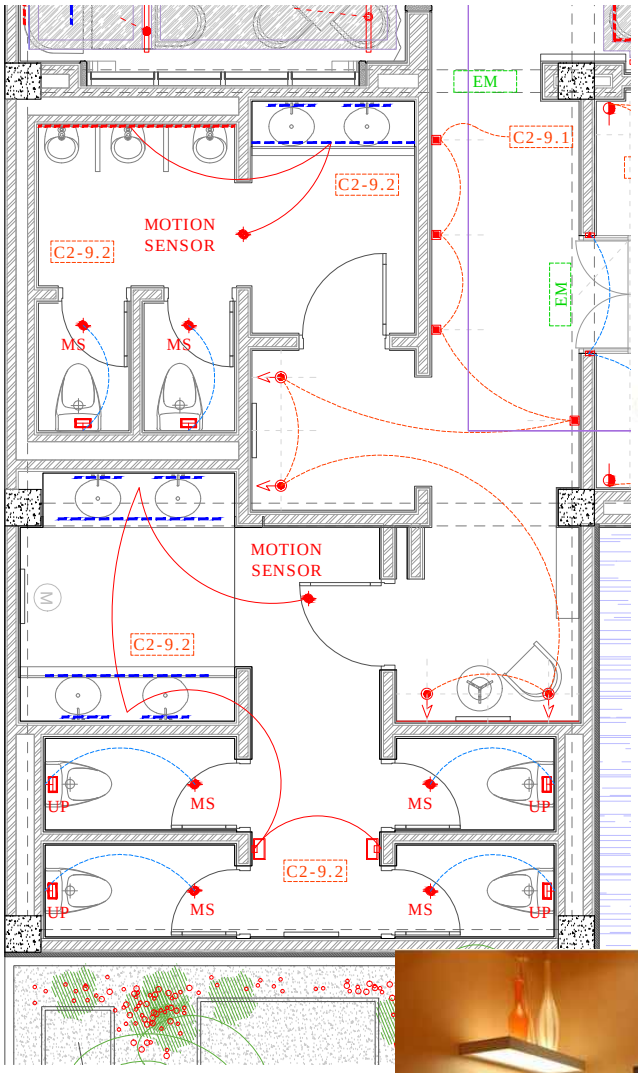
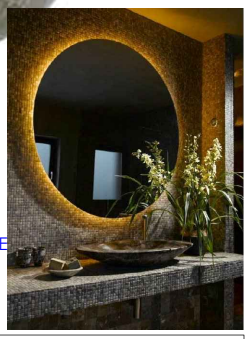
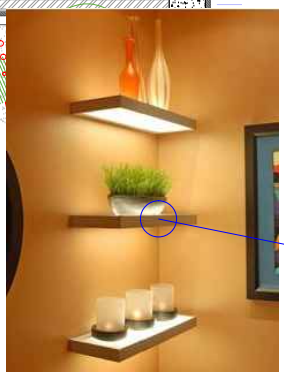
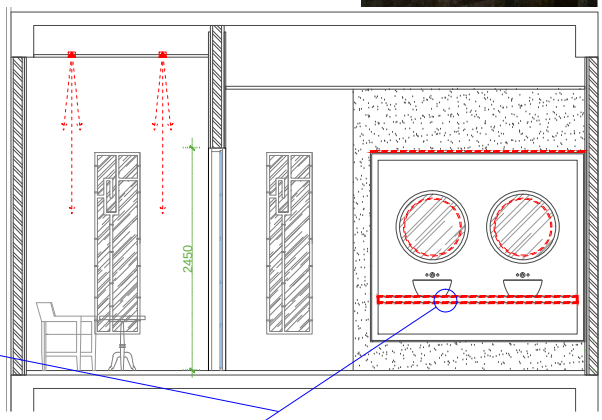


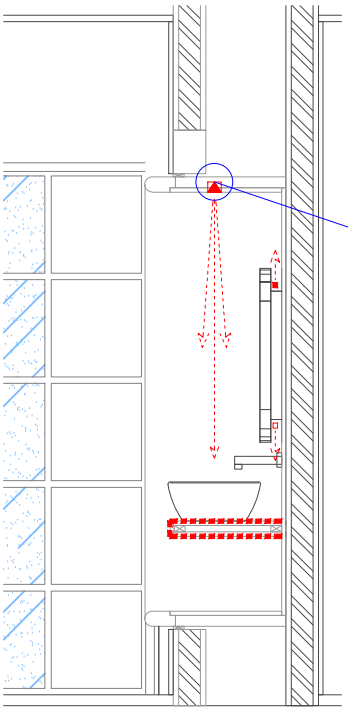
THE ACCESS TO THE TOILET WILL BE LIT WITH LOW LIGHT THROUGH WALL LIGHTS THROWING LIGHT UP AND DOWN.
THE LIGHTING SYSTEM WILL BE COMPLETED WITH SOME DOWNLIGHTS LOCATED AT THE END OF THE CORRIDORS, WHERE THE TOILETS ARE, AND THEY WILL BE TILTED TOWARD THE WALLS FRAMING THE FINELY DESIGNED MIRRORS WITH A WASH OF LIGHT COMING FROM ABOVE. THEREFORE, THE WALLS WILL BE EMPTY OF OBJETS COMPETING WITH THE MIRROR, ENHANCING ITS IMPORTANCE.



THE DARK BASIC IS REALLY A BEAUTIFUL PIECE. IT SEEMS A PIECE OF ART I MUST SAY. IT CAN BE QUITE TRICKY TO LIT THOUGH; DARK THINGS DON'T REFLECT THE LIGHT AND THEREFORE THEY NEED A HIGHER LEVEL OF LIGHT IN THEIR SURRAONDINGS TO ENHANCE THE WAY THEY ARE PERCEIVED.
THEREFORE, IT OCCURS TO ME A COUPLE OF THINGs. HAS THE BASIN THAT TEXTURE OUTSIDE

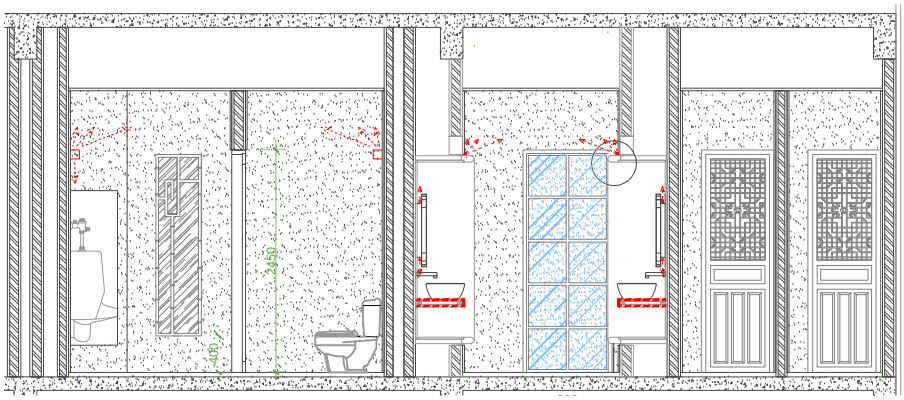






GIVING THE NEEDED LEVEL OF LIGHTS THROUGH INDIRECT LIGHTING SYSTEM, A TINNY DOWNLIGHT WITH A NARROW BEAM COULD BE PLACED ABOVE IT.

I'VE FOUND INTERESTING TO SUGGEST YOU A BACK LIT SHELF TO PUT ON TOP THE NICE BASIN. IT WILL GIVE NOT JUST THE NECESSARY LEVEL OF LIGHT BUT A GREAT PERCEPCION OF THE BASINS AS PIECES OF DESIGN.



inl_B003_Shanghay Baby - LIGHTING PLAN. GROUND FLOOR. TOILET.
2014/12/15 01/03

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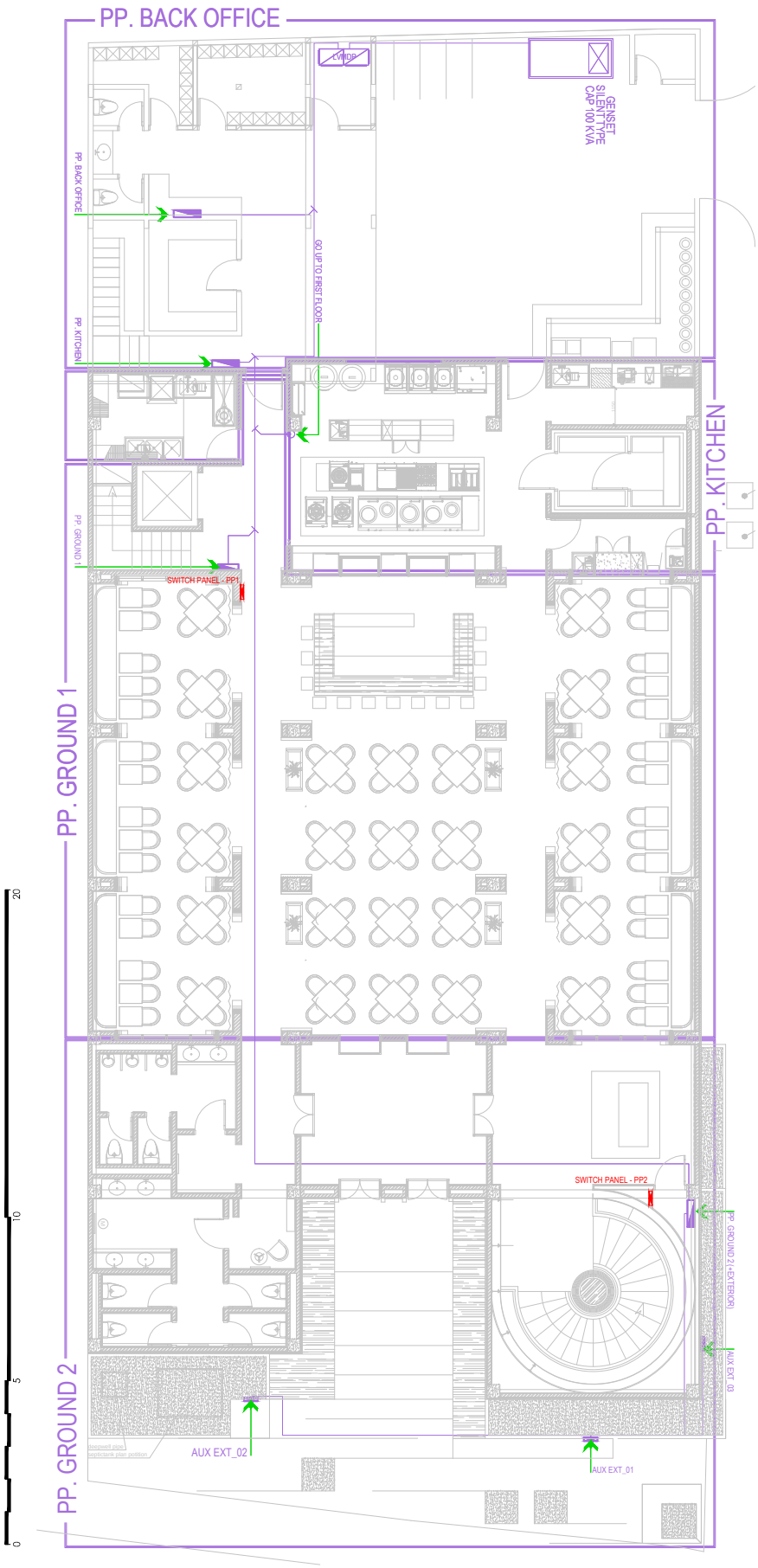

	NON DIMABLE LIGHTING CIRCUIT
	DIMABLE LIGHTING CIRCUIT
	POINT OF LIGHT CONTROL
	3 CIRCUIT TRACK LIGHTING (16A)
	POWER SUPPLY ON CEILING
	POWER SUPPLY ON WALL
	POWER SUPPLY IN-GROUND
	OUTLET - LIGHTING - WALL MOUNTED
	OUTLET - WALL MOUNTED
	OUTLET, 3PHASE - WALL MOUNTED
	OUTLET IP RATED - EXTERIOR
	IN-GROUND CONNECTION BOX (INTERIOR)
	CONNECTION BOX (INTERIOR)
	CONNECTION POINT OF LED STRIP
	POWER SUPPLY FOR LED STRIP
	AMPLIFIER/REPEATER FOR LED STRIP
	360deg MOTION SENSOR
	200deg MOTION SENSOR
	SWITCHBOARD
	WATERPROOF CONNECTION BOX
	SWITCH PANEL - SWITCHES/DIMMERS
	WATER FEATURES - BUBBLE JETS

	A	IP RATED - RECESSED ASYMETRIC 3-6W WW LED
	B	IP RATED - RECESSED TILTABLE UP-LIGHTING (LED/METAL HALIDE)
	C	IP RATED - RECESSED SYMETRIC BLUE LED/RGB?
	D	IP RATED - RECESSED ASYMETRIC DOWN-LIGHTING, 3W WW LED
	E	RECESSED TILTABLE - DIMMABLE DOWNLIGHT, 6W WW LED
	F	RECESSED ASYMETRIC DOWNLIGHT, 1W WW LED
	G	SURFACE MOUNTED. BULKEHEAD 60W INCANDESCENT
	H	RECESSED ASYMETRIC UP-LIGHTING, 1-2W WW LED
	J	RECESSED SYMETRIC DOWN-LIGHTING, 6-9W WW LED
	K	SURFACE MOUNTED WALL SCONCES INCANDESCENT - DIMMABLE
	L1	CURVED LED STRIP - UPLIGHTING
	L2	LED STRIP - DOWNLIGHTING - UPLIGHTING
	L3	RGB LED STRIP - DOWNLIGHTING - UPLIGHTING
	M	SPOTLIGHT - TRACK LIGHTING HALOGEN (20-35W) - DIMMABLE
	N	WALL MOUNTED FITTING - HALOGEN (20-35W) - DIMMABLE
	O	WALL MOUNTED FITTING - HALOGEN (20-35W) - DIMMABLE
	P	RECESSED ASYMETRIC DOWNLIGHT, (LEADING LIGHT) 2W WW LED
	Q	IP RATED HALOGEN SPOTLIGHT DIMMABLE
	R	IP RATED LINEAR FLUORESCENT BLOCK (2x35 + 2x28W) - DIMMABLE
	S	IP RATED SURFACE MOUNTED INCANDESCENT
	T	IP RATED SURFACE MOUNTED DOUBLE LINEAR FLUORESCENT
	U	IP RATED SURFACE MOUNTED LED/FLUORESCENT
	V	9W WW LED DOWNLIGHT
	W	IP RATED WALL MOUNTED LED/FLUORESCENT
	X	IP RATED WALL MOUNTED LINEAR FLUORESCENT
	Y	WALL SCOUNCE - BOOTH 70W HALOGEN E27 (KANDOLITE)

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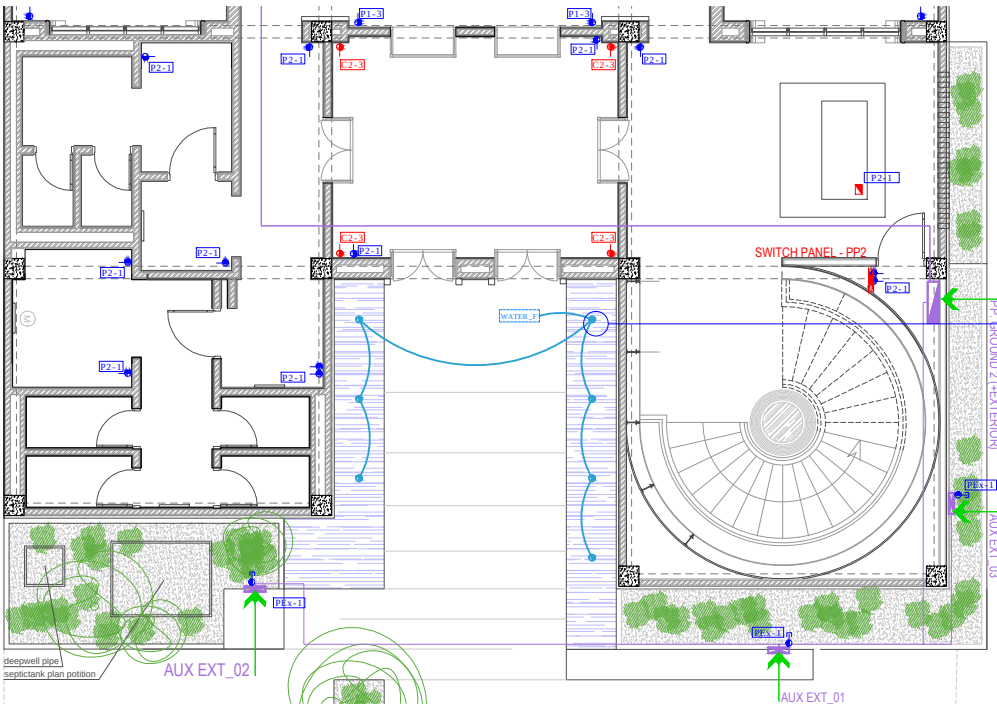
POINTS OF POWER SUPLY.



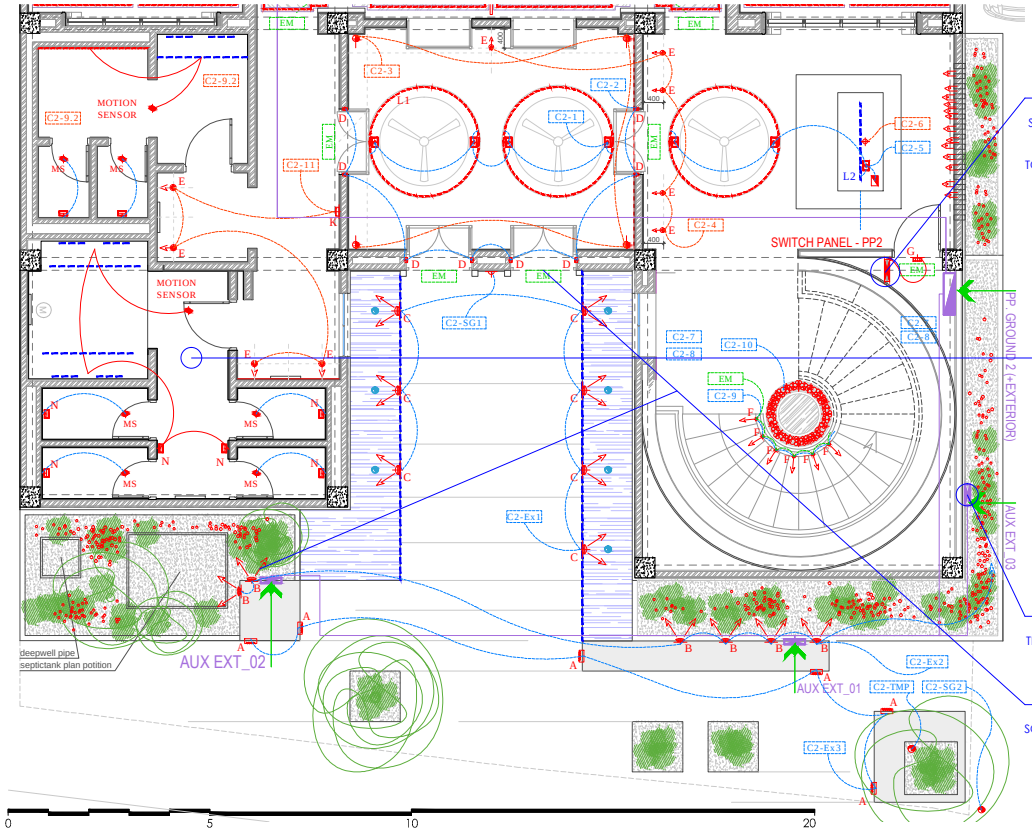
WATER FIXTURE WILL BE PROTECTED FROM SWITCHBOARD PP. GROUND 2 WHERE THE CONTROL GEAR WILL BE. (TIMER, PROTECTION,...) A RECESSED LIGHT FITTING WILL BE PLACED VERTICALLY IN THE INTERIOR SIDE OF THE 'BRIDGE' TO SHINE ONTO THE BUILDING THROUGH THE WATER.

LIGHTING SYSTEM.

SWITCH/DIMMER PANEL - PP2.

C2-1	LED STRIP IN CAVITY (120W)	NON-DIMMABLE
C2-2	RECESSED LED - ENTRANCE (24W)	NON-DIMMABLE
C2-2	LED STRIP IN CAVITY (120W)	NON-DIMMABLE
C2-3	OUTLETS - INCANDESCENT (400W)	DIMMABLE
C2-4	RECESSED DOWNLIGHT LED (50W)	DIMMABLE
C2-5	LED STRIP IN CAVITY + DESK (75W)	NON-DIMMABLE
C2-6	ABOVE DESK (250W)	DIMMABLE
C2-7	LED STRIP - STAIR CYLINDER (1400W)	NON-DIMMABLE
C2-8	LED STRIP - STAIR CYLINDER (1400W)	NON-DIMMABLE
C2-9	RECESSED LED - STEPS (70W)	NON-DIMMABLE
C2-10	CHANDELIER - STAIR SHAFT (500W)	DIMMABLE
C2-11	RESTROOMS (300W)	DIMMABLE
C2-SG1	SIGN BY THE ENTRANCE (250W)	NON-DIMMABLE
C2-SG2	SIGN BY THE STREET (250W)	NON-DIMMABLE
C2-Ex1	RECESSED LED - WATER (70W)	NON-DIMMABLE
C2-Ex2	UP-LIGHTING - GARDEN (100W)	NON-DIMMABLE
C2-Ex3	RECESSED LED - GROUND (50W)	NON-DIMMABLE
C2-Ex4	RESERVE - BAMBOO (100W)	NON-DIMMABLE
C2-TMP	RESERVE - TEMPLE (50W)	NON-DIMMABLE

(LIGHTING SOURCE TO BE CONFIRMED WATTAGE HAS BEEN ESTIMATED)



ALL THE LIGHTS WILL BE CONTROLLED FROM SUGGESTED PANEL. IT COULD BE LOCATED EITHER OUTSIDE THE RECEPTIOPN AREA OR INSIDE THE STORAGE WHERE 'PP. GROUND 2' IS PLACED. TOILETS WILL BE CONTROLED BY MOTION SENSORS TO FACILITATE ITS USING.

RESTROOM LIGHTING WILL BE CONTROLLED BY MOTION SENSOR. IT WILL BE CONTROLLED BY THE SWITCH OF ACCESS/CORRIDOR - 'C2-11'

ANOTHER CONEXION BOX HAS BEEN ADDED. THEREFORE, ALL THE AREAS ARE COVERED WITH A WATERPROOF BOX WHERE ALL THE ELECTRICAL CONECTIONS SHOULD BE DONE IN ORDER TO FACILITATE MAINTENANCE AND CONTROL

A TIMER (DAY LIGHT SWITCH)CAN CONTROL SOME LIGHTS TO GIVE PRESENCE TO THE BUILDING AT NIGHT.
IN MY OPINION, SHOULD BE ON AT NIGHT THE SUGGESTED IN-GROUND LIGHTS BY THE ENTRANCE, PLUS A CIRCUIT LIGHTING UP SOME VEGETATION TO PROVIDE A SUGGESTIVE AND ATTRACTIVE VIEW.

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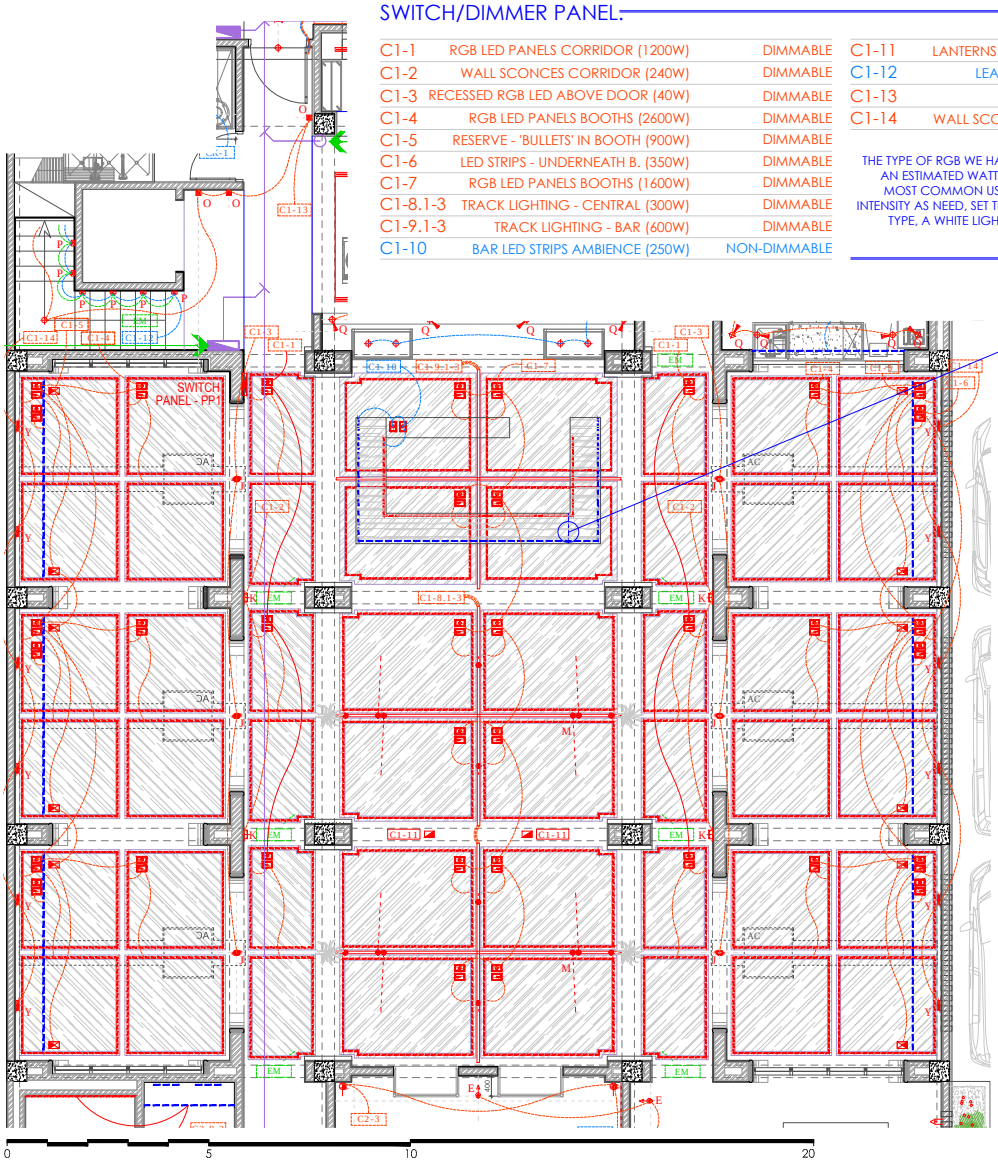
LIGHTING SYSTEM.

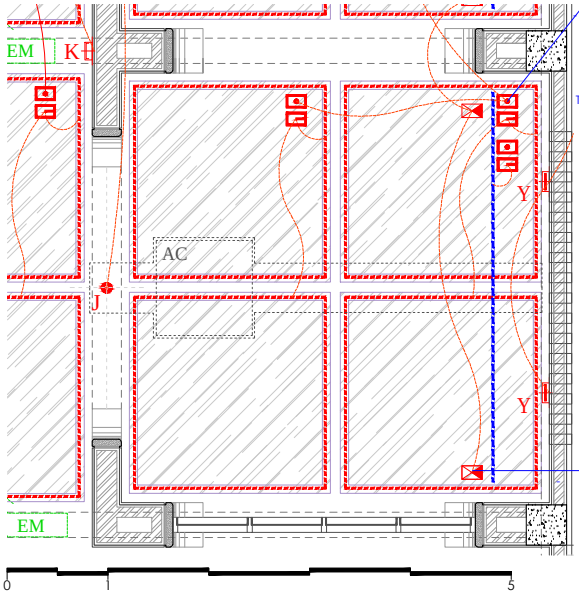
SWITCH/DIMMER PANEL.

C1-1	RGB LED PANELS CORRIDOR (1200W)	DIMMABLE
C1-2	WALL SCONCES CORRIDOR (240W)	DIMMABLE
C1-3	RECESSED RGB LED ABOVE DOOR (40W)	DIMMABLE
C1-4	RGB LED PANELS BOOTHS (2600W)	DIMMABLE
C1-5	RESERVE - 'BULLETS' IN BOOTH (900W)	DIMMABLE
C1-6	LED STRIPS - UNDERNEATH B. (350W)	DIMMABLE
C1-7	RGB LED PANELS BOOTHS (1600W)	DIMMABLE
C1-8.1-3	TRACK LIGHTING - CENTRAL (300W)	DIMMABLE
C1-9.1-3	TRACK LIGHTING - BAR (600W)	DIMMABLE
C1-10	BAR LED STRIPS AMBIENCE (250W)	NON-DIMMABLE
C1-11	LANTERNS CENTRAL DINING (200W)	DIMMABLE
C1-12	LEADING LIGHT STAIRS (75W)	NON-DIMMABLE
C1-13	DISTRIBUTOR LIFT (75W)	DIMMABLE
C1-14	WALL SCONCES IN BOOTHS (720W)	DIMMABLE

THE TYPE OF RGB WE HAVE TAKEN INTO CONSIDERATION FOR DETERMINING AN ESTIMATED WATTAGE IN EACH CIRCUIT HAS BEEN 14.4W/m TYPE, (THE MOST COMMON USED IN THE MARKET). IT WILL ALLOW US TO ADAPT THE INTENSITY AS NEED, SET THE PROPER COLOUR AND, USING THE RIBBON RGBW TYPE, A WHITE LIGHT AT FULL POWER COULD BE USED AS TASK LIGHTING (CLEANING, MAINTENANCE, ...)



CEILING BACKGROUND LIGHTING SYSTEM WILL BE CONTROLLED TOGETHER WITH THE REST OF THE CENTRAL DINING AREA.
TRACK LIGHTING WILL BE CONTROLLED SEPARATELY THOUGH.
AS I POINTED AT IN THE LATEST CONVERSATION, POSITION OF THE TRACK LIGHTING IS NOT ABOVE THE BAR. ANY SUSPENDED LIGHTING SYSTEM WILL TAKE THIS AS CONSIDERATION. WE THOUGHT IN USING SOME KIND OF TABLE LAMP... CANDLES??



LED POWER SUPPLIES AND THE REST OF THE GEAR (CONTROLLERS, REPEATERS, ...)WILL BE LOCATED ABOVE THE SUSPENDED CEILING THROUGH MECHANICAL FIXING.

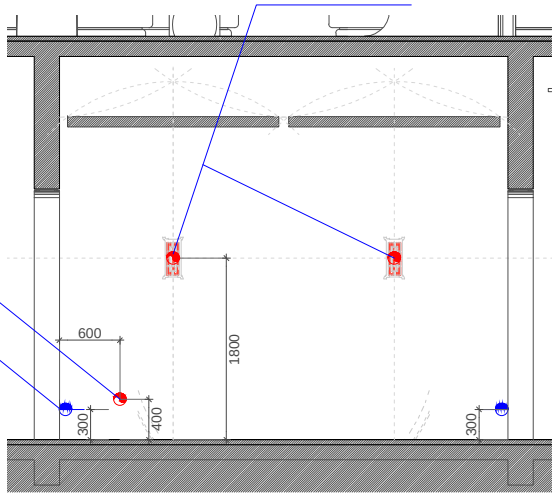
POWER SUPPLY FOR LED STRIP UNDERNEATH BANQUETE

OUTLETS LOCATED ON THE LATERAL (300mm HEIGHT)

CONNECTION BOX FOR FUTURE LIGHTING CIRCUIT AS ACCENT LIGHT ('BULLETS')

BOOTH'S DIAGRAM.

LOCATION OF NEW WALL SCONCES. 1800mm HEIGHT IN THE AXIS OF EACH PANEL



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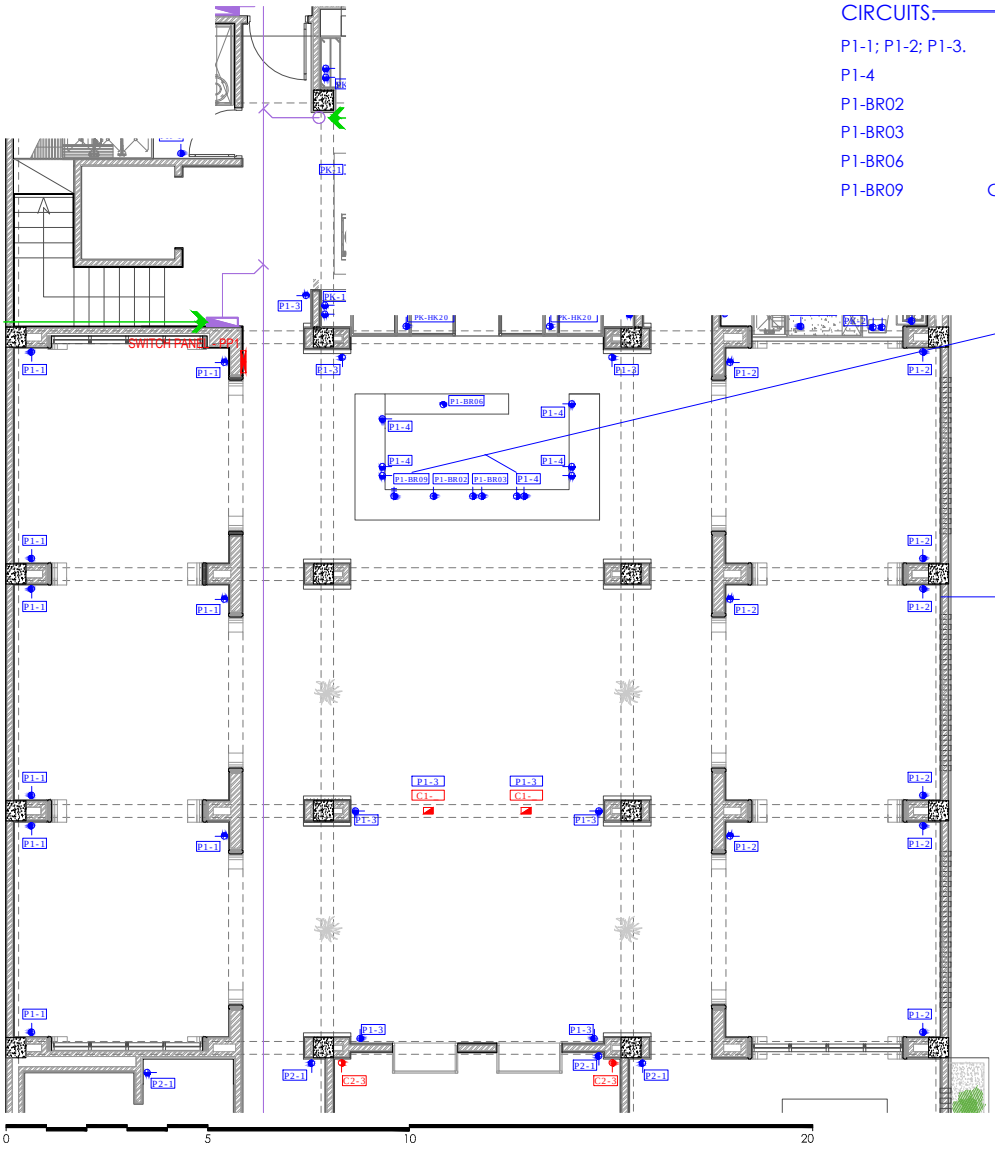
POINTS OF POWER SUPLY.

CIRCUITS:

P1-1; P1-2; P1-3.	GENERAL POWER (2.5mm2 - 16A)
P1-4	GENERAL POWER BAR (2.5mm2 - 16A)
P1-BR02	WATER BOILER (2.5mm2 - 7A)
P1-BR03	BAR BLENDERS (2.5mm2 - 16A)
P1-BR06	COFFEE MACHINE (6mm2 - 35A)
P1-BR09	GLASS WASHER (4mm2 - 50A - 3Phases)

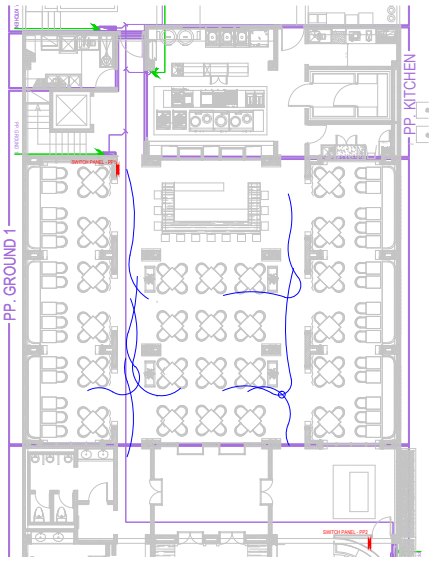


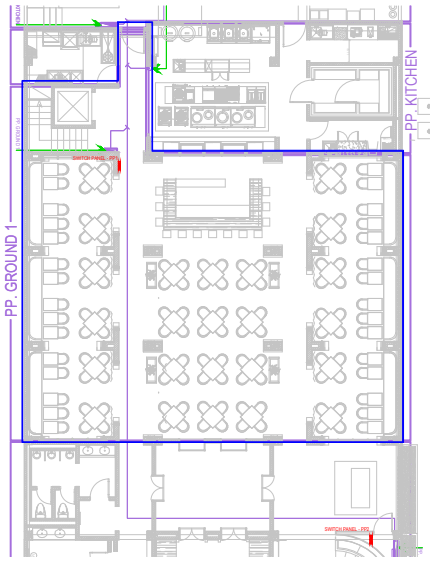
OUTLETS BELONGING TO CIRCUIT P1-BR09/02 ARE LOCATED UNDERNEATH AND THE REST ABOVE WORKING SURFACE (SEE BAR'S FURNITURE DISTRIBUTION FOR PERFECT LOCATION. CONFIRM HEIGHTS WITH SUPPLIER AND INSTALLER)

THE REST OF THE OUTLETS (CIRCUIT p1-4) WILL BE LOCATED TAKING INTO CONSIDERATION THE SHELVES DEVELOPMENT ENSURING THE COMFORT OF WAITERS REGARDING THE CONNECTION OF GEAR.

PROVIDING FLEXIBILITY FOR FUTURE MODIFICATIONS REGARDING THE USING OF THE SPACE HAS BEEN TAKING INTO CONSIDERATION TO DISTRIBUTE THE POWER SUPPLIES.

AREA CONTROLLED AND PROTECTEC BY:
PP GROUND 1





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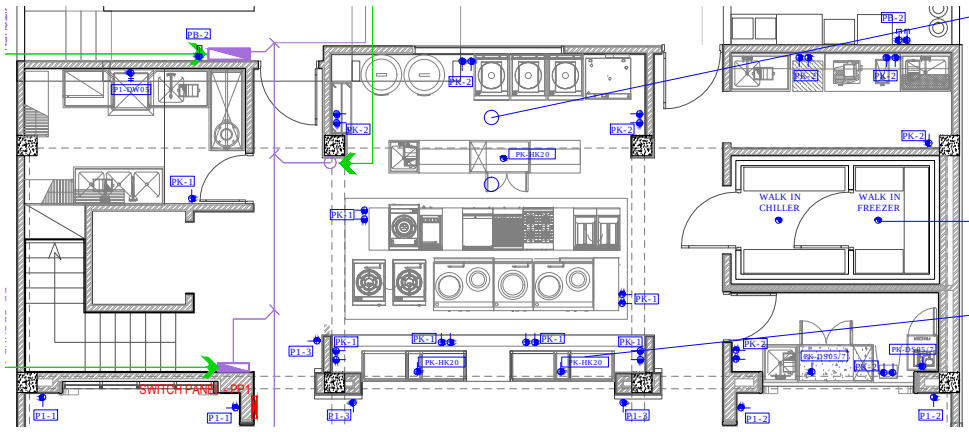


MUST BE CONFIRMED WITH SUPPLIER AND INSTALLER OF KITCHEN ELEMENTS THE HEIGHT OF THE OUTLETS

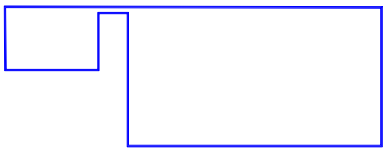
SEPARATE CIRCUITS FOR POWER THIS UNITS (THERE IS NOT TECHNICAL INFORMATION ABOUT)

SPECIAL UNITS HAVE THEIR OWN CIRCUIT. PRONE TO ELECTRICAL FAIL SUCH FREEZER AND CHILLERS ARE CONNECTED IN A INDEPENDENT ELECTRICAL CIRCUIT

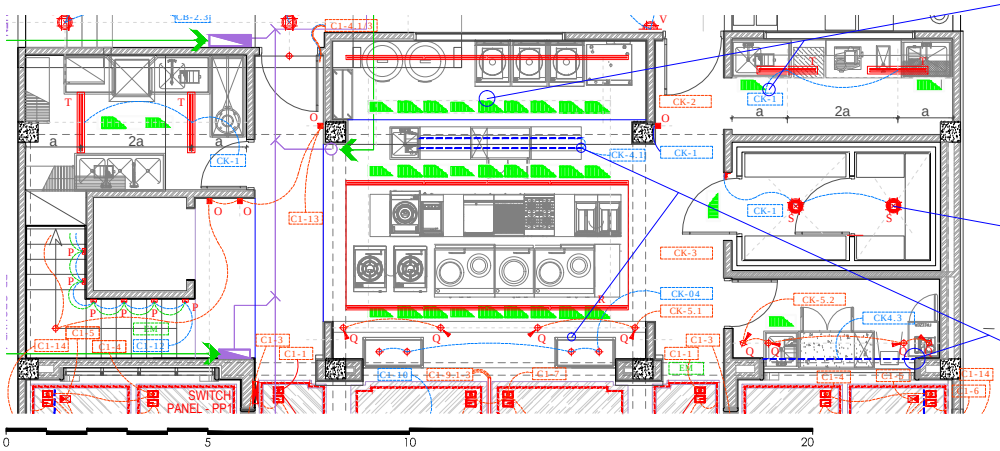
CIRCUITS.

PK-1; PK-2	GENERAL POWER (2.5mm2 - 16A)
PK-DW05	DISHWASHER (4mm2 - 25A - 3Phases)
PK-HK20	CHILLERS (2.5mm2 - 16A)
PK-DS05/07	CHILLERS (2.5mm2 - 16A)

AREA CONTROLLED AND PROTECTEC BY:
PP KITCHEN



LIGHTING SYSTEM.

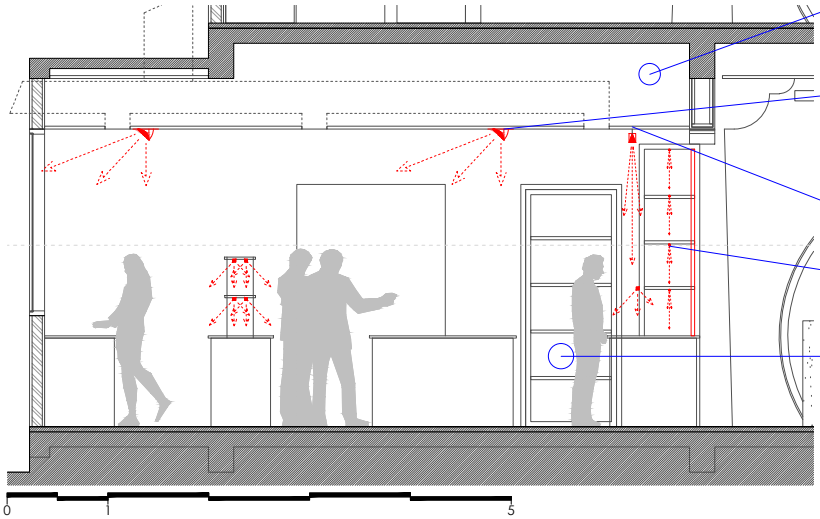


I WOULD LIKE WHETHER OR NOT WHAT HAS BEEN REPRESENTED ON THE ARCHITECTURAL PLANS IN GREEN PATTERN IS PART OF THE EXTRACTION SYSTEM AS IT SEEMED.
BASED ON THAT I DEVELOPED MY SUGGESTION OF THE LIGHTING SYSTEM.

AS CAN BE SEEN IN THE SECTION REPRESENTED BELOW, A COUPLE OF ROWS OF RECESSED TILTABLE LIGHT FITTINGS WILL PROVIDE THE REQUIRED LEVEL OF LIGHT. IT CAN BE USED, EITHER LINEAR HALOGEN LIGHT FITTINGS AND THE INTENSITY CAN BE ADAPTED THROUGH A DIMMER TO ENHANCE THE DESIRED DRAMATICAL EFFECT

BULKHEAD HOUSING INCANDESCENT BULBS AS ITS A PERFECT LIGHT SOURCE WHEN IS MEANT TO BE CONSTANTLY TURN ON AND OFF, IT WILL BE CONNECTED TO A MOTION SENSOR FOR EASIER USING. OTHERWISE, THEY COULD BE FLUORESCENT BATTENS CONNECTED TO THE MAIN AND ALWAYS LIT WHILE THE KITCHEN IS IN USE..

LED STRIP LOCATED UNDERNEATH SHELVES WILL ENSURE A FREE SHADOWS DIRECT LIGHT ON WORKING SURFACES.
HAVING THE FINAL DESIGN OF THE 2 AREAS OF THE KITCHEN FACING THE CUSTOMERS, THE LED STRIPS WILL BE PLACED PROPERLY.



FINAL DESIGN OF THE CEILING TO BE CONFIRMED:
A CLOSE SUSPENDED CEILING MADE OF GIB USED TO HIDE ALL THE FACILITIES (EXTRACTION, FIRE, LIGHTING, ETC...) HAS BEEN TAKEN INTO CONSIDERATION TO SUGGEST A LIGHTING SYSTEM BASED ON TILTABLE RECESSED LIGHT FILINGS.

TILTABLE RECESSED LIGHT FILINGS HOUSING LINEAR HALOGEN BULBS CAN BE DIMMED AND AIMED TO AVOID GLARE DISTURBANCES AND TO PROTECT THE VIEW FROM THE CUSTOMERS.
HOWEVER, ITS CERTAINLY INTERESTING TAKING INTO CONSIDERATION THE USING OF ANOTHER TILTABLE LIGHT FITTING BUT WITH PL FLUORESCENT TUBES MORE ENERGY EFFICIENT AND HIGHER LIFE EXPECTANCY. A PROPER LOCATION WILL ENSURE ANY UNDESIRABLE LIGHTING EFFECT SEEING BY THE CUSTOMERS

THE LIGHTING OF THE AREA SEEN BY THE CUSTOMERS WILL BE COMPLETED BY SPOTLIGHTS LOCATED IN BOTH EXTREMES. IT WILL PROVIDE FLEXIBILITY TO ACHIEVE A DESIRED DRAMATIC EFFECT. LIKE IN THE THEATRE, LIGHTING SIDEWAYS

DIRECT LIGHTING INSIDE THE GLASS VOLUMES

DISTRIBUTION OF THE WORKING SURFACES AND KITCHEN GEAR TO BE CONFIRMED. IT SEEMS THAN NO MUCH SPACE IN BETWEEN TO WORK PROPERLY

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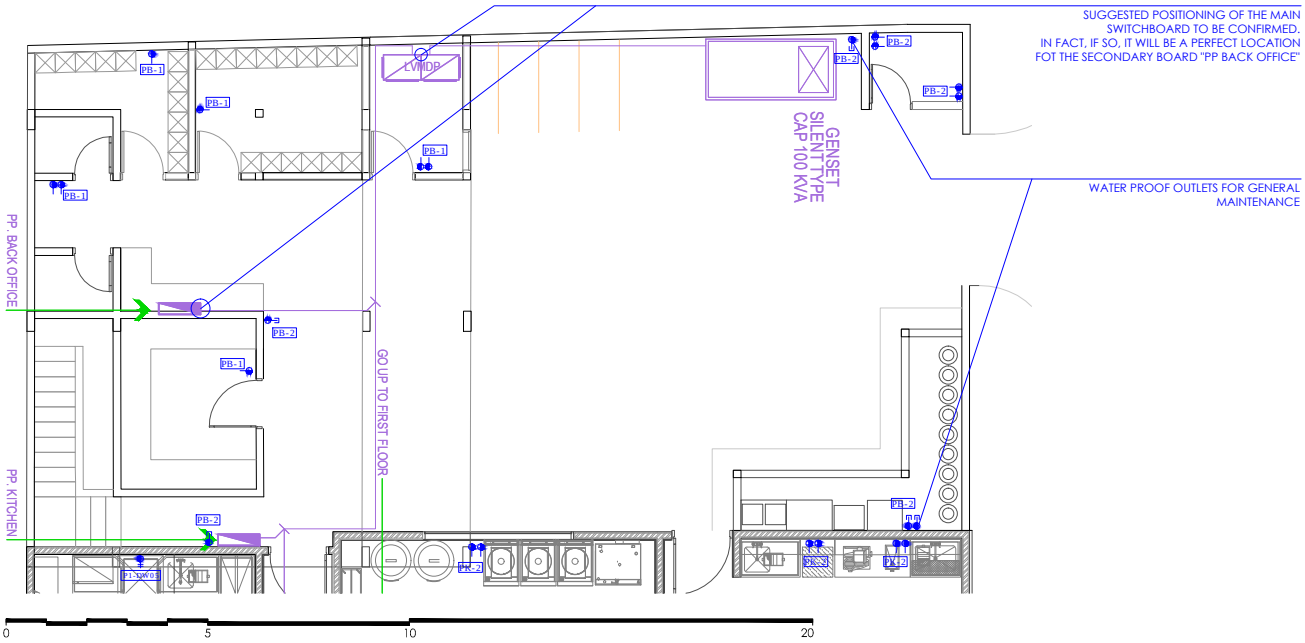
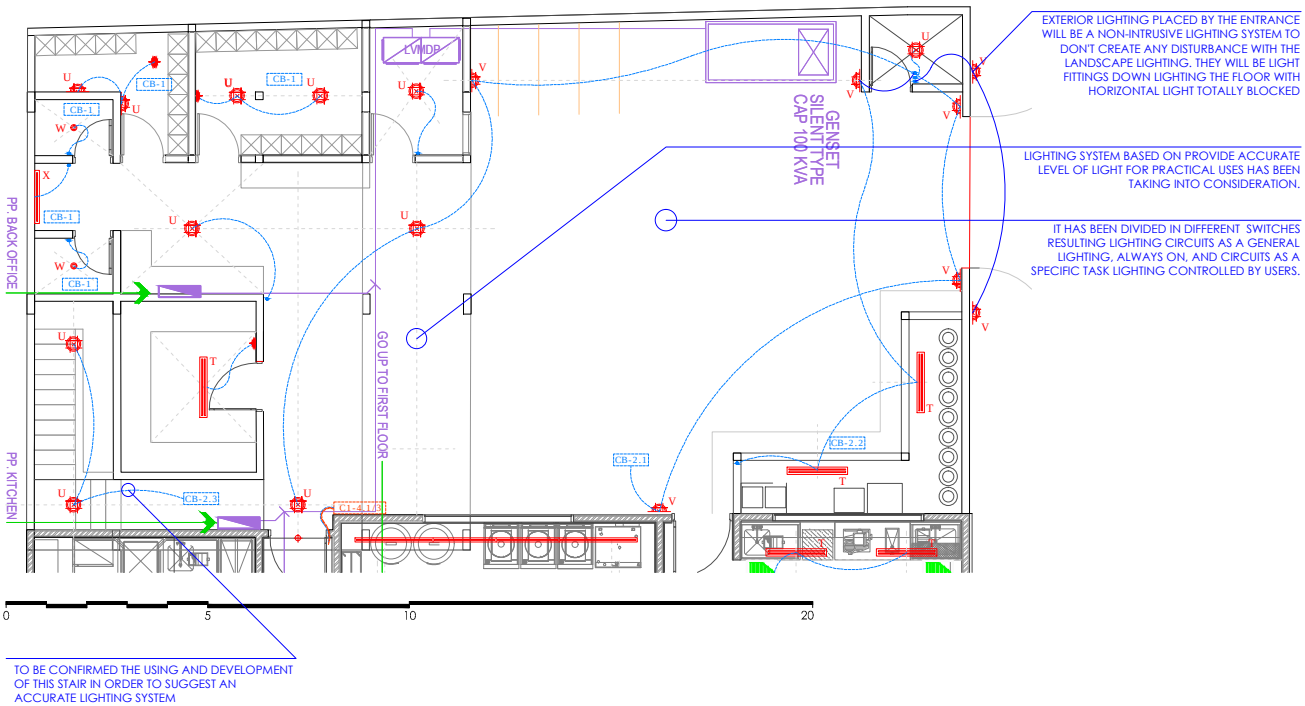


LIGHTING SYSTEM.



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