

Client

کارفرما

شرکت گهر بارک سیرجان

Project Name

عنوان پروژه

هتل چهار ستاره گهر بارک سیرجان

Location

موقعیت

سیرجان

Drawing Title

عنوان نقشه

دیتیل های شماره پنجم

Legend



Guide Chart

SCHEDULE FOR INSTALLING HEIGHT OF DEVICES & EQUIPMENT FROM FINISHED FLOOR (F.F.L)

Height above the ground(cm)	Equipment Description	Height above the ground(cm)	Equipment Description
30-40cm	Tel.Socket Outlets	110cm	General Lighting Switch
30-40cm	Tv.Socket Outlets	110cm	Starting Switch Of Motors
110-120cm	Fire Alarm Push Button	180cm	Control Switch Of Exhaust Fan
250cm	Fire Alarm Bell	30cm	General Electrical Sockets
160cm	Flush Type Panelboards, Local From Axis Of P.B.	120cm	Electrical Sockets For Kitchen Mechanical room,Laundry, AirHandling room

SCHEDULE FOR INSTALLING ELECTRICAL DEVICES & EQUIPMENT

Height above the ground(cm)	Equipment Description
110-120	1- Switches,Push Buttons For Lighting & Fire Alarm System
110-120	2- Power &Tel.Socket outlets,In Services,Kitchens,Mech.rooms&Stores
30-40	3- Power &Tel.Socket outlets,In Offices&Corridors
140	4- Cooler Switches
150	5- Termostat
230	6- Bell,Horn,Fire Alarm Flasher
*230	7- Wall Light Luminaires
320,250	8- Wall Speaker In Office & Technical Buildings
230,240	9- junction Box For Tel. ,Fire Alarm & Sound
160	10- Wall Mounted Panelboards,Axis Of The Panel
Under Ceiling	11- Fire Alarm Detector
120	12- Electrical Hand Dryer

NOTES :

- ELEVATIONS WRITTEN IN THE DRAWING , ALWAYS HAVE PRIORITY TO THE ABOVE ELEVATIONS.
- IF THE LUMINAIRE IN INSTALLED OVER THE DOOR IT'S ELEVATIONS MUST BE 10CM UPPER TO THE DOOR.

Schedule For Sizing of Conduits Passing Low-Voltage

Cable Section mm ²	Steel Conduit PG DIN40430	Internal Diameter Of Steel Conduit Inch	Cable Section 2 mm	N.Y. Steel Conduit PG DIN40430	Internal Diameter Of Steel Conduit Inch
2x1.5	13.5	1	3x70+35	36	1 3/4
2x2.5	13.5	1	3x95+50	48	2
2x4	21	1	3x120+70	—	2
2x6	21	1	3x150+70	—	2 1/2
2x10	21	1	3x185+95	—	2 1/2
3x1.5	16	1	3x240+120	—	2 3/4
3x2.5	16	1	4x1.5	13.5	1
3x4	21	1	4x2.5	16	1
3x6	21	1	4x4	21	1
3x25+16	29	1 1/2	4x6	21	1
3x35+16	29	1 1/2	4x10	21	1
3x50+25	36	1 3/4	4x16	29	1 1/2

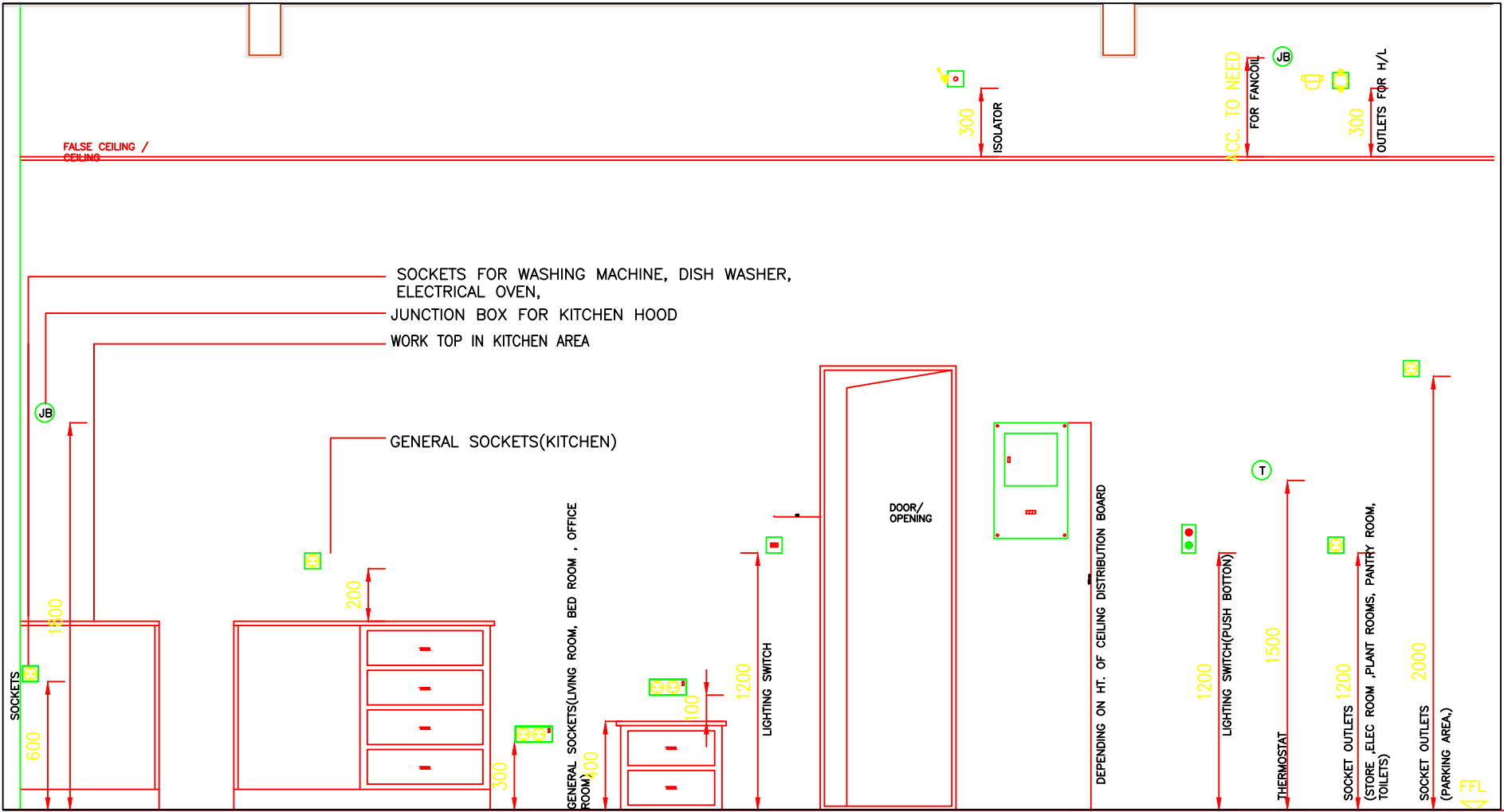
Schedule For Sizing Of Conduits For Power & Tel. Wire

NOTES	WireSection mm ²	No.Of Wires In Conduit				
		2	3	4	5	6
	1.5	11	11	13.5	13.5	16
	2.5	11	13.5	16	16	21
	4	13.5	16	16	21	21
	6	16	16	21	21	29
	2x0.6 φ	11	11	11	13.5	13.5
	3x0.6 φ	11	11	13.5	13.5	13.5

SCHEDULES FOR SIZING OF CONDUITS / SUITABLE FOR LOW-CURRENT CABLES & WIRES

SCHEDULE FOR CABLE & WIRE

NOMINAL AREA OF CABLE (mm ²)	SOCKET DIAMETER APPLICABLE OF CABLE	CONDUIT SIZE	OUTSIDE DIAMETER OF CONDUIT	NOMINAL AREA OF CABLE (mm ²)	SOCKET DIAMETER APPLICABLE OF CABLE	CONDUIT SIZE	OUTSIDE DIAMETER OF CONDUIT
1x4	7.8	pg11	17.26	3x25	24.6	pg29	35.48
1x6	8.3	pg11	17.26	3x35	27.2	pg29	35.48
1x10	9.3	pg11	17.26	3x50	31.5	pg36	45.48
1x16	10.7	pg11	17.26	3x70	35.9	pg44	52.48
1x25	12.4	pg11	17.26	3x95	41.0	pg48	57.78
1x35	13.6	pg13.5	19.06	3x120	45.3	—	—
1x50	15.4	pg16	21.16	3x150	50.1	—	—
1x70	17.3	pg29	35.48	3x185	54.0	—	—
1x95	19.6	pg29	35.48	3x240	50.0	—	—
1x120	21.6	pg29	35.48				
1x150	23.2	pg29	35.48	3x50/25	34.0	pg36	45.48
1x185	25.8	pg29	35.48	3x70/35	38.0	pg42	52.48
1x240	28.7	pg36	45.48	3x95/50	43.0	pg48	57.78
1x300	31.5	pg36	45.48	3x120/70	43.0	—	—
1x400	35.8	pg42	52.48	3x150/70	53.0	—	—
1x500	39.6	pg42	52.48	3x185/95	59.0	—	—
				3x240/120	55.0	—	—
2x15	10.6	pg11	17.26	4x1.5	11.8	pg11	17.26
2x25	11.8	pg11	17.26	4x2.5	13.5	pg13.5	19.06
2x4	13.3	pg11	17.26	4x4	15.1	pg21	26.78
2x6	14.3	pg19.5	19.06	4x6	16.3	pg21	26.78
2x10	16.3	pg21	26.78	4x10	18.7	pg29	35.48
2x16	19.1	pg29	35.48	4x16	22.2	pg29	35.48
2x25	23.1	pg29	35.48	4x25	26.8	pg29	35.48
2x35	25.7	pg29	35.48	4x35	30.3	pg36	45.48
				4x50	35.2	pg36	45.48
3x1.5	11.1	pg11	17.26	4x70	39.5	pg42	52.48
3x25	12.4	pg11	17.26	4x95	46.0	—	—
3x4	14.0	pg13.5	19.06	4x120	50.1	—	—
				4x150	56.0	—	—
3x6	15.1	pg16	21.16	4x185	59.5	—	—
3x10	17.2	pg29	35.48				
3x16	20.2	pg29	35.48				



STANDARD MOUNTING HEIGHTS OF POWER ELECTRICAL ACCESSORIES

Drawing Info

REVISION	0A	DATE	DESIGNED BY	CHECKED BY	APPROVED BY	COORDINATED BY	PROJECT MANAGER
ویرایش	IFC	1403/15/16	ن.خانی	پ. شریفی	آ.حاجی	آ.حاجی	م.پروژه
وضعیت							
تاریخ							
طراح							
کنترل							
طراح							
تصویب							
مدیر پروژه							

SIZE	سایز	Group	DOCUMENT	SEQUENCE	REVISION
A3		گروه	نوع مدرک	شماره مدرک	ویرایش
SHEET	02	Mech	DWG	MSW/01	00
UNITS	واحد	مقیاس	PROJECT C.	کد پروژه	PHASE
m			SIRJ		P2