PARADISE RESIDENCE

Swimming Pool Design & Equipment Details

Selected Project

HONAAM ENGINEERING

Behrouz Armani - MEP Designer

DRAWING

MECHANICAL DESIGN

DRAWN BY:

HONAAM ENGINEERING

WEBSITE

WWW.HONAAM.COM

MAIL

Behrouz@honaam.com

PROJECT

Paradise

Swimming Pool Design

LOCATION:

DESCRIPTION

REV	DATE	NOTES
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HONAAM CO.

CHECKED BY

BEHROUZ ARMANI

NO. H-261

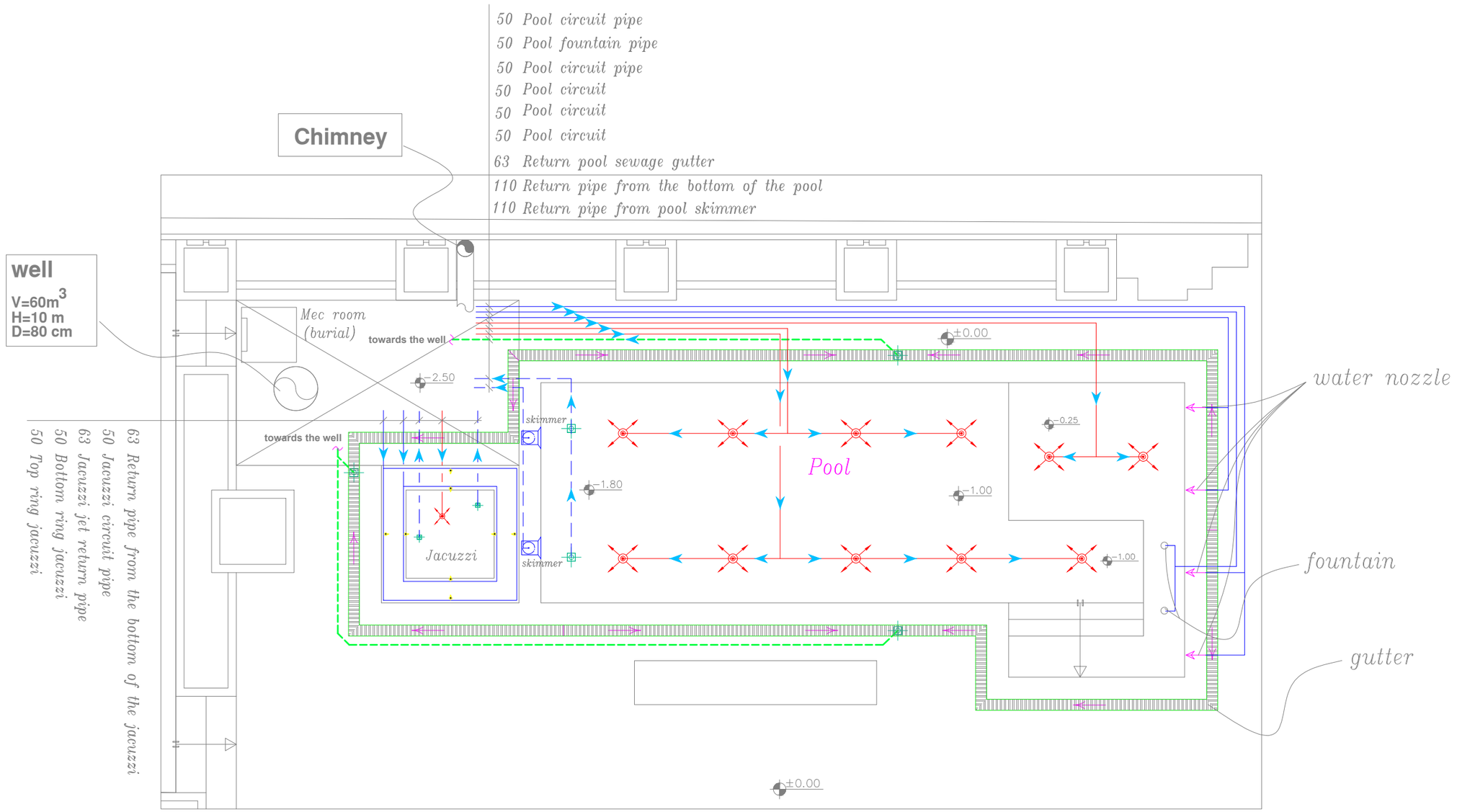
REV. 02

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PAGE

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Pool and jacuzzi plumbing

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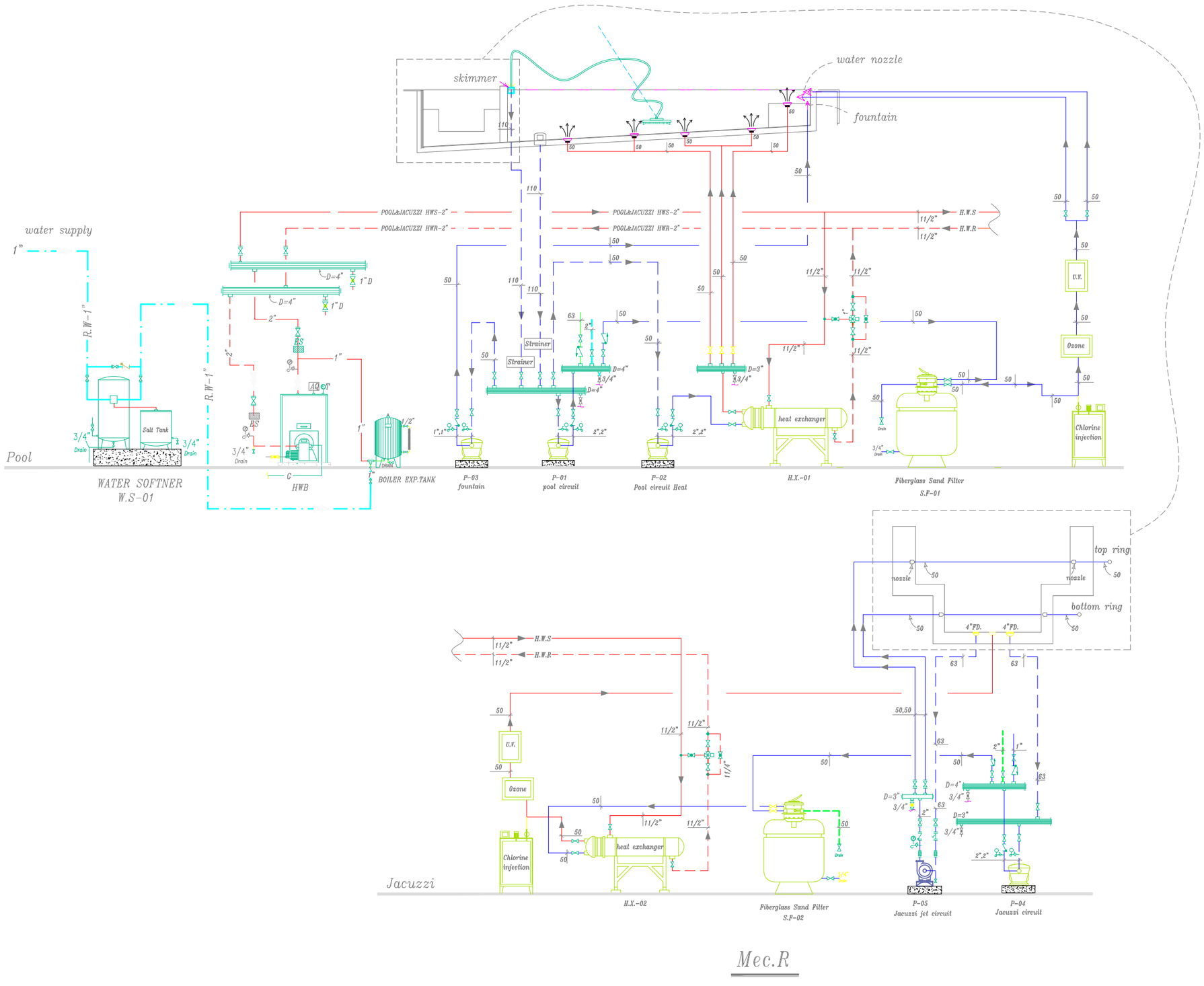
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Mec.R

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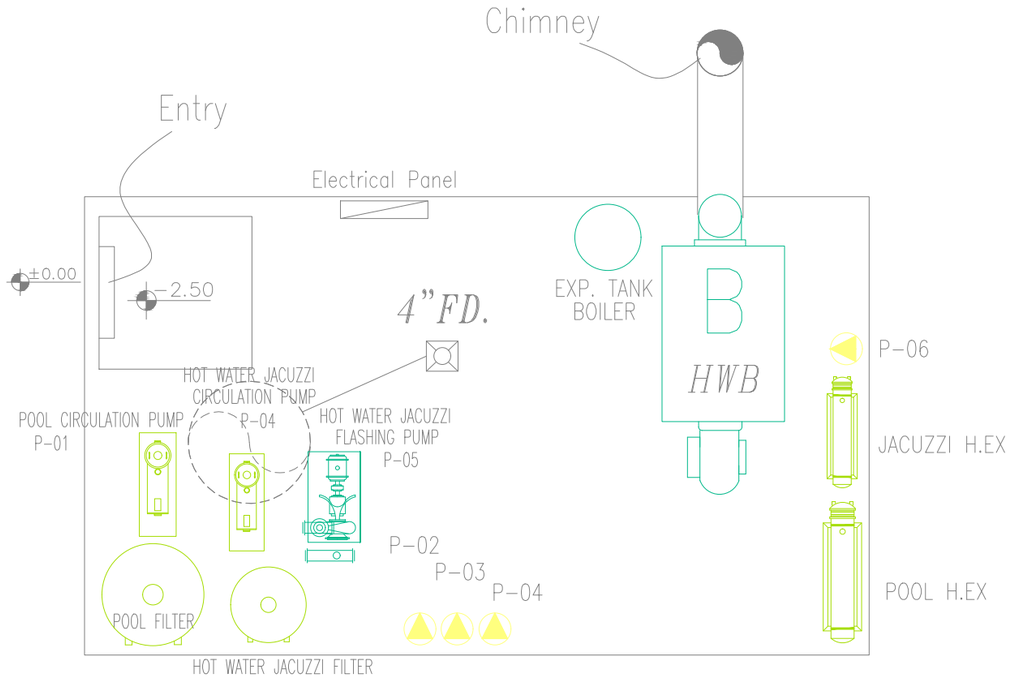
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Mec.R

POOL CIRCULATING PUMP SCHEDULE

Model	controller	electrical system			H		Q		used	system	number	symbol
		V-ϕ-CV	R.P.M	HP	m	Ft	m^3/hr	gpm				
HAYWARD SP2615X20	electrical panel	220-1-50	–	2	9		25.2		pool circuit	Ground pump	1	P-01
HAYWARD SP2607X15	electrical panel	220-1-50	–	1.5	9		16.8		Pool circuit Heat	Ground pump	1	P-02
HAYWARD SP2607X10	electrical panel	220-1-50	–	1	9		14.5		fountain	Ground pump	1	P-03
HAYWARD SP2607X15	electrical panel	220-1-50	–	1.5	9		16.8		Jacuzzi circuit	Ground pump	1	P-04
GRUNPOS NB 40-160/172	electrical panel	380-3-50	2900	10		98		120	Jacuzzi jet circuit	Ground pump	1	P-05
GRUNPOS UPS 40-180 F	electrical panel	220-1-50	–	1		33		21	heat exchanger circuit	Linear pump	1	P-06

HEAT EXCHANGER

Description	Brand	Coil Specifications					used	number	symbol
		F°	Ft	F°	KCAL/HR	BTU/HR.FT2.F			
	FLEXINOX-160KW	65/85	72	180/160	140,000	160	Pool spa	1	H.EX.-1
	FLEXINOX-40KW	60/104	18	180/160	35,000	40	Jacuzzi spa	1	H.EX.-2

FIBERCLASS SAND FILTER

Description	PRODUCT		parameter			Silica Kg	Valve	Ft^2	Q		used	number	symbol
	model	Brand	cm H	cm D					m^3/hr	gpm			
	MPV24	EMUAX	98	60		125	11/2"	3.01		62.9	Pool	1	S.F.-01
	MPV17	EMUAX	82	43		40	11/2"	1.5		44	Jacuzzi	1	S.F.-02

BOILER SCHEDULE

Description	Brand	Distances cm H – B – L	Locate	Pressure Bar	water temp.°F out	water temp.°F in	Capacity Btu/hr	Capacity Kcal/hr	model	used	symbol	number
similar steel model ARAZ – 150,000 k/cal	SHOFAJ KAAR S400-6	1550*750*1000	4	4	180	160		150,000	cast iron	Heating	HWB	1

BURNER SCHEDULE

Description			electrical system		fuel rate m^3/hr	Burner capacity Kcal/hr	system	fuel	used	number
	model	Brand	V-ϕ-CV	KW						
	PM-2 PGO 211	PARS	220-1-50	0.15	18.5	172,000	one pass	GAS	BOILER	1

Mechanical Specifications