

DRAWING
MECHANICAL DESIGN

DRAWN BY:
HONAAM CO.
INSPECTED BY: BEHROUZ ARMANI

WEBSITE
WWW.HONAAM.COM
MAIL
mail@honaam.com

PROJECT
GARDEN HOUSE
LOCATION:
KALAK, ALBORZ

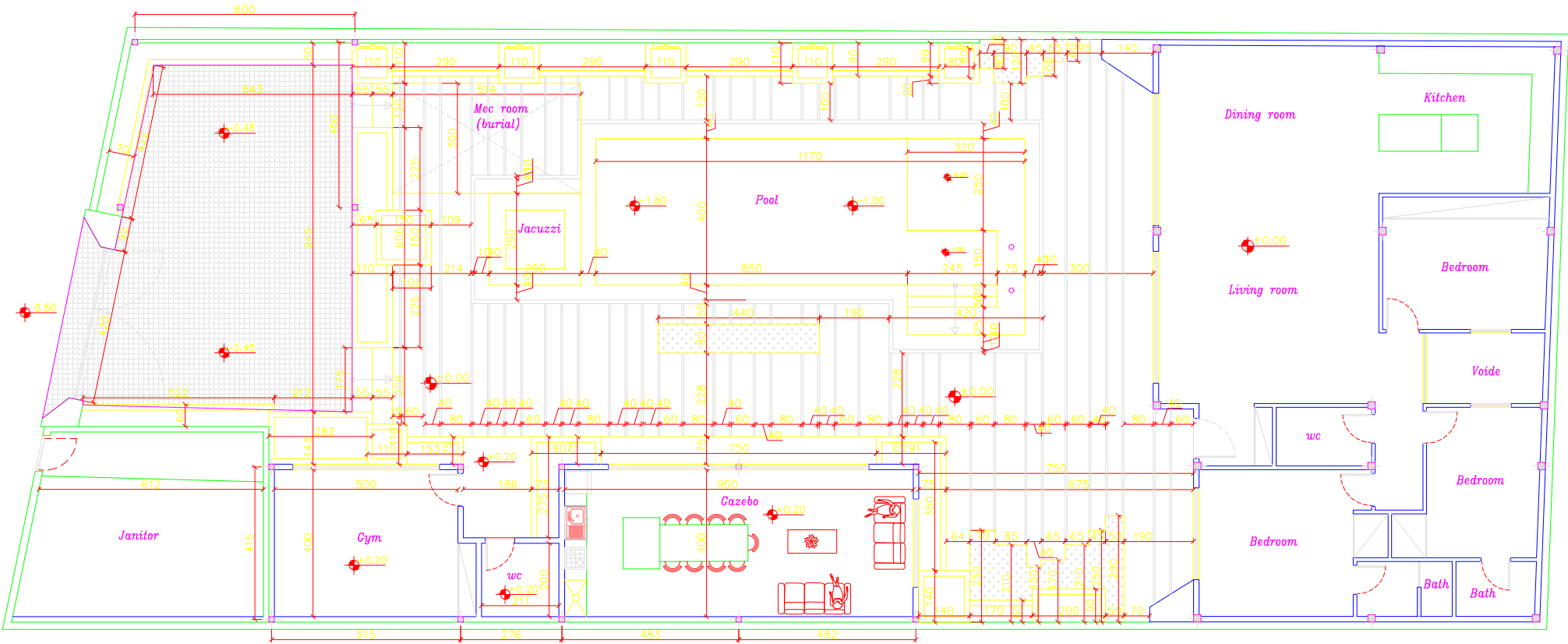
DESCRIPTION

REV	DATE	NOTES
01	2024/12/05	---

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NO.
H-261
REV.
01

SCALE
1:100
PAGE
M - 104



Ground Plan

Sc 1:100

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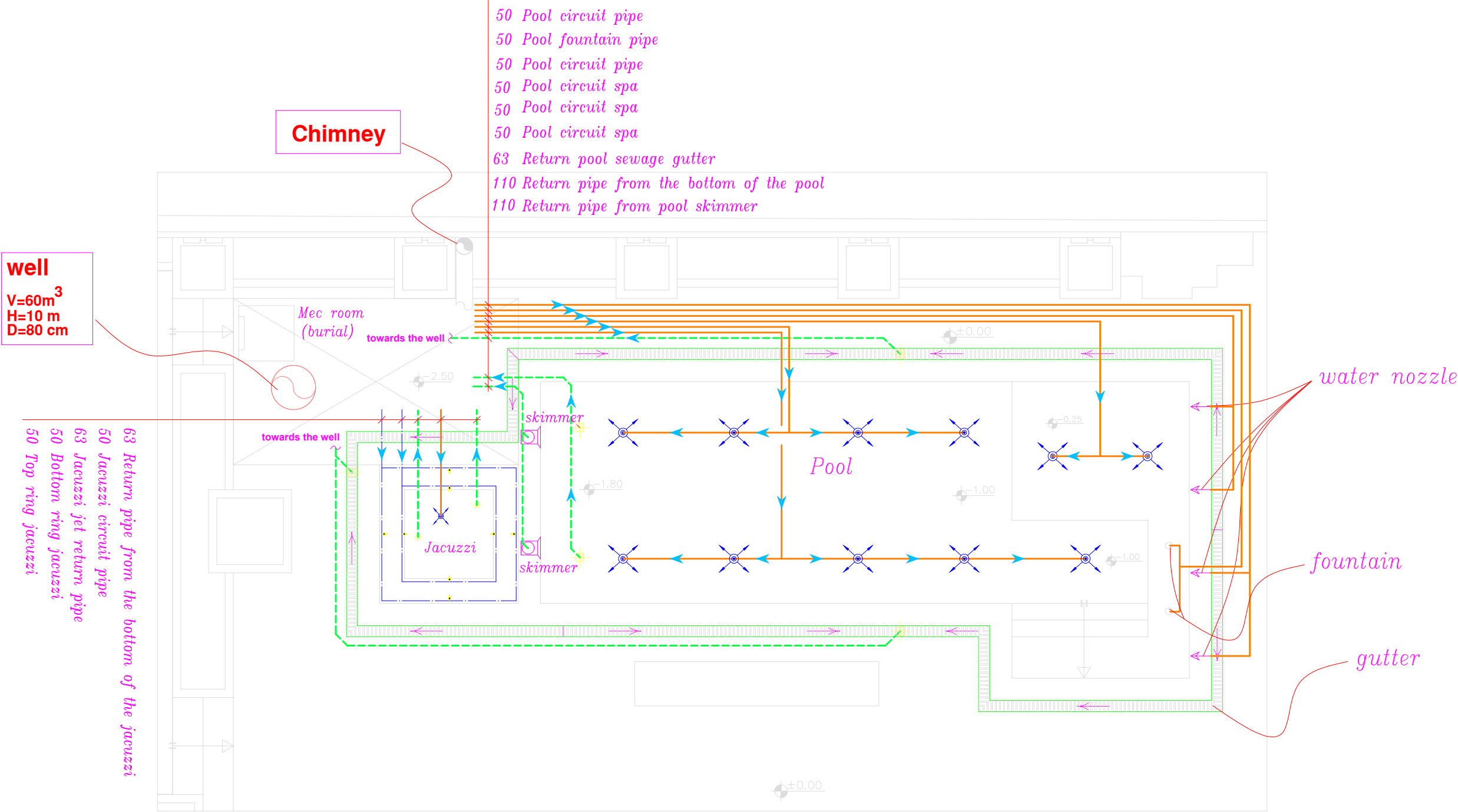
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Pool and jacuzzi plumbing

Sc 1:50

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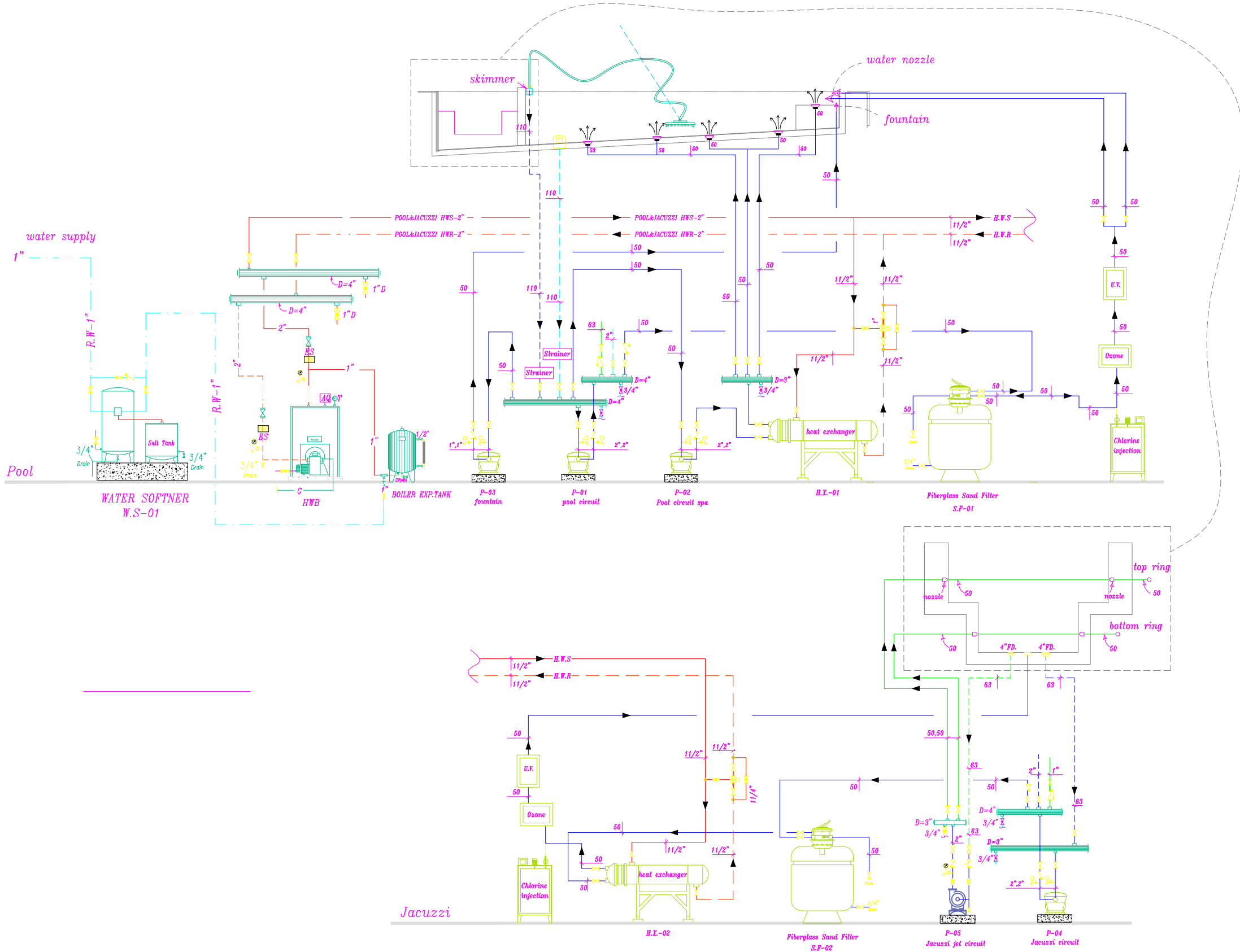
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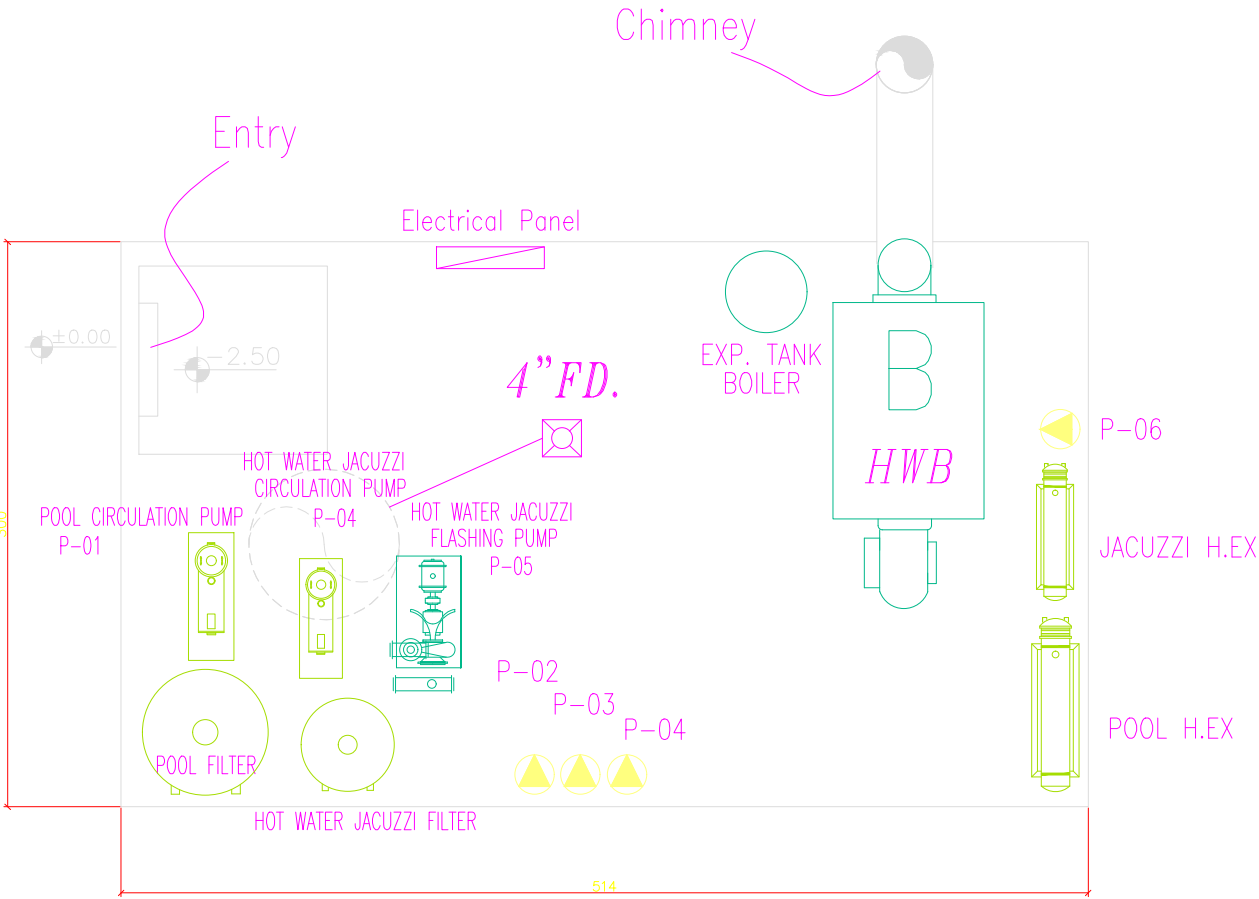
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POOL CIRCULATING PUMP SCHEDULE											
Model	controller	electrical system		H		Q		used	system	number	symbol
		V-ϕ-CV	R.P.M	HP	m	Pt	m³/hr gpm				
HAYWARD SP2615X20	electrical panel	220-1-50	-	2	9		25.2	pool circuit	Ground pump	1	P-01
HAYWARD SP2607X15	electrical panel	220-1-50	-	1.5	9		16.8	Pool circuit spa	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
		P'	Pt	P'	KCAL/HR	BTU/HR.FT2.F			
	FLEXINOX-160KW	65/85	72	180/160	140,000	160	Pool spa	1	H.EX.-1
	PLEXINOX-40KW	60/104	18	180/160	35,000	40	Jacuzzi spa	1	H.EX.-2

FIBERGLASS SAND FILTER												
Description	PRODUCT		parameter		Silica Kg	Valve	Pi²	Q		used	number	symbol
	model	Brand	cm	H				m³/hr	gpm			
			cm	D								
	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		Capacity		model	used	symbol	number
					out	in	Btu/hr	Kcal/hr				
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 PCO 211	PARS	220-1-50	0.15	18.5	172,000	one pass	GAS	BOILER	1

Mechanical Specifications