

PowerHouse - Panels Layout

May 16, 2014

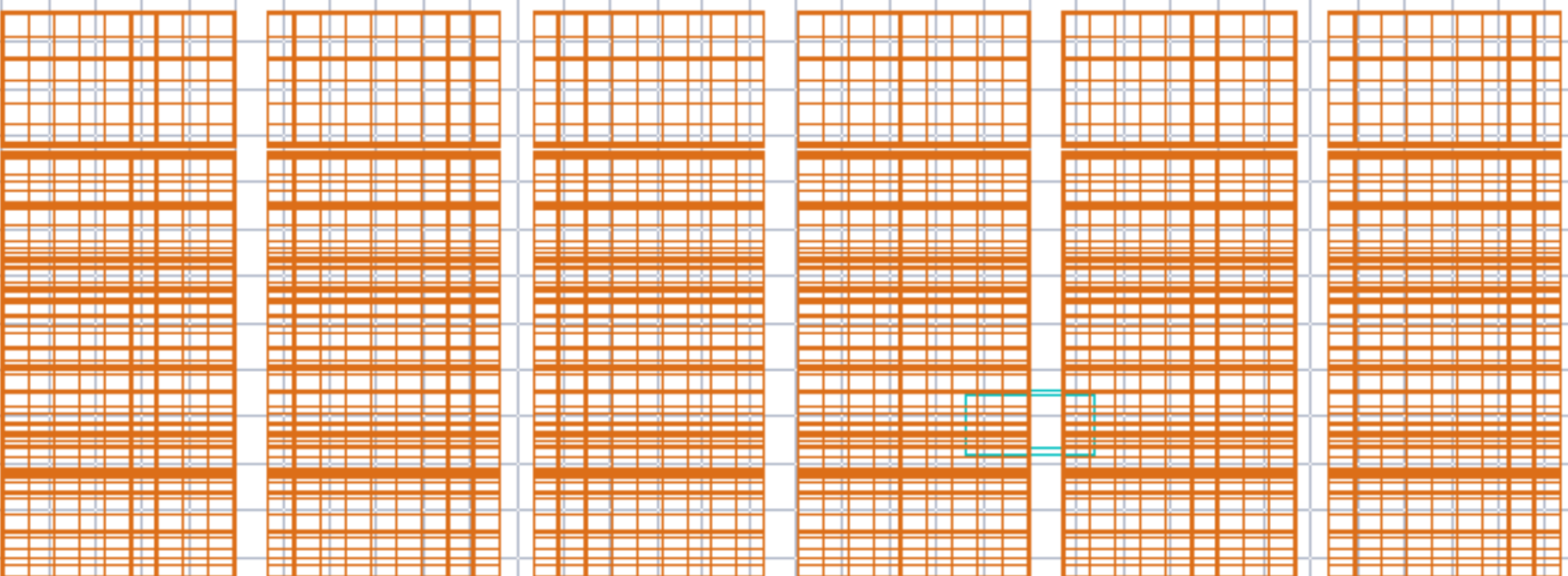
	Total Inches	Feet	Inches	Feet Fract	
Gobi Panel low edge height	77	6	5	6.42	Exact panel low edge height in Punch model file 5/16/2014 (6'-1") + 4" above grade slab
South Wall Width	162	13	6	13.5	
PV Panels Distance from Wall	300	25	0	25	
PV Single Panel Height Space	39.5	3	3.5	3.29	
PV Single Panel Width Space	66.67	5	6.67	5.56	
PV Total Panel Height	168	14	0	14	
PV Total Panel Width	400	33	4	33.33	
PV Base Footing Height	18	1	6	1.5	
PV Max Tilted Height on Footing(W)	147	12	3	12.25	
PV MaxH Distance back from pivot(W)	108	9	0	9	
PV Pivot Distance from Wall	408	34	0	34	
	Count				
PV Height Panel Count	4				
PV Width Panel Count	6				
	Degrees	Radians			
PV Summer Angle	30	0.31416			
PV Winter Angle (Used in above calcs)	50	0.87266			
	Degrees	Radians	"North (-)"	"North (+)"	
Azimuth of occlusion (from due South)	43.1	0.75271	136.9	223.1	
Altitude of occlusion (from Horizontal)	13.1	0.22923			

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	Dec. 21	Dec. 21	'Nov/Jan 21	'Nov/Jan 21
Time	Alt	Azi	Alt	Azi
09:00:00 AM	10.3	138	14.6	138.7
09:10:00 AM	11.5	140	15.8	140.9
09:20:00 AM	12.6	142.1	16.9	143
09:30:00 AM	13.7	144.2	17.9	145.2
09:40:00 AM	14.7	146.3	18.9	147.5
09:50:00 AM	15.6	148.4	19.8	149.7
10:00:00 AM	16.5	150.6	20.7	152.1
10:10:00 AM	17.4	152.9	21.5	154.4
10:20:00 AM	18.2	155.1	22.2	156.8
10:30:00 AM	18.9	157.4	22.9	159.3
10:40:00 AM	19.5	159.8	23.5	161.7
10:50:00 AM	20.1	162.1	24	164.2
11:00:00 AM	20.6	164.5	24.4	166.8
11:10:00 AM	21	166.9	24.8	169.3
11:20:00 AM	21.4	169.3	25.1	171.9
11:30:00 AM	21.7	171.8	25.3	174.5
11:40:00 AM	21.9	174.2	25.4	177.1
11:50:00 AM	22.1	176.7	25.5	179.7
12:00:00 PM	22.1	179.2	25.5	182.3
12:10:00 PM	22.1	181.6	25.3	184.9
12:20:00 PM	22	184.1	25.1	187.5
12:30:00 PM	21.9	186.6	24.9	190
12:40:00 PM	21.6	189	24.5	192.6
12:50:00 PM	21.3	191.5	24.1	195.1
01:00:00 PM	20.9	193.9	23.6	197.6
01:10:00 PM	20.4	196.3	23	200.1
01:20:00 PM	19.9	198.7	22.4	202.5
01:30:00 PM	19.3	201	21.7	204.9
01:40:00 PM	18.6	203.3	20.9	207.3
01:50:00 PM	17.9	205.6	20	209.7
02:00:00 PM	17.1	207.9	19.1	211.9
02:10:00 PM	16.2	210.1	18.1	214.2
02:20:00 PM	15.3	212.3	17.1	216.4
02:30:00 PM	14.3	214.4	16	218.6
02:40:00 PM	13.3	216.5	14.9	220.7
02:50:00 PM	12.2	218.6	13.7	222.8
03:00:00 PM	11.1	220.6	12.5	224.8

PV Panels Distance from Wall (Winter)

PV Panels Distance from Wall (Summer)



PV Pivot Distance from Wall

