

SAP WorkSheet: New extension to existing dwelling

(66)m=	347.27	347.27	347.27	347.27	347.27	347.	27 347.27	347	.27 347.27	347.27	347.27	347.27		(66)
Lighting gains (calculated in Appendix L, equation L9 or L9a), also see Table 5														
(67)m=	449.38	399.13	324.6	245.74	183.69	155.	08 167.57	217	.82 292.35	371.21	433.25	461.87		(67)
Appliances gains (calculated in Appendix L, equation L13 or L13a), also see Table 5														
(68)m=	2407.47	2432.45	2369.5	2235.48	2066.3	190	7.3 1801.07	1776	3.09 1839.05	1973.07	7 2142.24	2301.25		(68)
Cookin	g gains	ted in A	ppendix	L, equa	ion L15 or L15a), also see Table		5					
(69)m=	75.51	75.51	75.51	75.51	75.51	75.	75.51	75.	51 75.51	75.51	75.51	75.51		(69)
Pumps	and fan	(Table 5	ā)											
(70)m=	10	10	10	10	10	10	10	1	0 10	10	10	10		(70)
r					es) (Tab	_					,		i	
(71)m=	-231.51	-231.51	-231.51	-231.51	-231.51	-231	51 -231.51	-231	.51 -231.51	-231.51	-231.51	-231.51		(71)
		gains (T											Ī	(70)
(72)m=	256.36	252.4	244.16	232.97	225.7	215.		217		233.46		252.41		(72)
		gains =		0045.40	0070.07	0.470		·	3)m + (69)m +	,	, , ,		I	(72)
(- / - /			3139.53	2915.46	2676.97	2479	.12 2376.68	2413	3.09 2554.54	2779.0	1 3023.31	3216.8		(73)
	ar gains ains are c		using sola	r flux from	Table 6a	and as	sociated equa	ations	to convert to th	e applica	able orientat	ion		
		ccess F		Area			Flux		g_	о арриос	FF		Gains	
		able 6d		m²			Table 6a		Table 6b	-	Table 6c		(VV)	
North	0.9x	0.77	×	12	22	x	10.63	1 x	0.68	x	0.7	=	427.93	(74)
North	0.9x	0.77	x	12	22	x =	20.32	×	0.68	×	0.7	=	817.79	(74)
North	0.9x	0.77	x	12	2	×	34.53	х	0.68	х	0.7	=	1389.63	(74)
North	0.9x	0.77	x	12	22	x	55.46	х	0.68	х	0.7	=	2232.11	(74)
North	0.9x	0.77	х	12	22	x	74.72	x	0.68	×	0.7	=	3006.85	(74)
North	0.9x	0.77	X	12	22	x	79.99	X	0.68	x	0.7	=	3218.92	(74)
North	0.9x	0.77	X	12	22	X	74.68	X	0.68	X	0.7	=	3005.28	(74)
North	0.9x	0.77	X	12	22	X	59.25	X	0.68	×	0.7	=	2384.3	(74)
North	0.9x	0.77	X	12	22	X	41.52	X	0.68	Х	0.7	=	1670.79	(74)
North	0.9x	0.77	X	12	22	X	24.19	X	0.68	X	0.7	=	973.48	(74)
North	0.9x	0.77	Х	12	22	X	13.12	X	0.68	X	0.7	=	527.91	(74)
North	0.9x	0.77	X	12	22	X	8.86	X	0.68	X	0.7	=	356.74	(74)
East	0.9x	1	X	6	4	X	19.64	X	0.68	X	0.7	=	414.64	(76)
East	0.9x	1	X	3	0	X	19.64	X	0.68	×	0.7	=	194.36	(76)
East	0.9x	1	X	6	4	X	38.42	X	0.68	X	0.7	=	811.12	(76)
East	0.9x	1	X	3	0	×	38.42	X	0.68	×	0.7	=	380.21	(76)
East	0.9x	1	X	6	4	x	63.27	X	0.68	×	0.7	=	1335.79	(76)
East	0.9x	1	X	3	0	x	63.27	X	0.68	×	0.7	=	626.15	(76)
East	0.9x	1	X	6	4	X	92.28	X	0.68	×	0.7	=	1948.18	(76)
East	0.9x	1	X	3	0	×	92.28	X	0.68	×	0.7	=	913.21	(76)
East	0.9x	1	X	6	4	X	113.09	X	0.68	X	0.7	=	2387.56	(76)



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East	0.9x	1	x	30	x	113.09	x	0.68	X	0.7	=	1119.17	(76)
East	0.9x	1	×	64	x	115.77	x	0.68	x	0.7	=	2444.1	(76)
East	0.9x	1	x	30	x	115.77	х	0.68	x	0.7	=	1145.67	(76)
East	0.9x	1	x	64	x	110.22	х	0.68	x	0.7	=	2326.88	(76)
East	0.9x	1	×	30	×	110.22	x	0.68	×	0.7	=	1090.72	(76)
East	0.9x	1	x	64	x	94.68	x	0.68	x	0.7	=	1998.75	(76)
East	0.9x	1	x	30	x	94.68	x	0.68	x	0.7	=	936.92	(76)
East	0.9x	1	×	64	x	73.59	x	0.68	x	0.7	=	1553.58	(76)
East	0.9x	1	x	30	x	73.59	x	0.68	x	0.7	=	728.24	(76)
East	0.9x	1	x	64	x	45.59	x	0.68	x	0.7	=	962.46	(76)
East	0.9x	1	x	30	X	45.59	x	0.68	x	0.7	=	451.15	(76)
East	0.9x	1	x	64	X	24.49	X	0.68	x	0.7	=	517	(76)
East	0.9x	1	x	30	X	24.49	x	0.68	x	0.7	=	242.35	(76)
East	0.9x	1	x	64	X	16.15	X	0.68	x	0.7	=	340.98	(76)
East	0.9x	1	x	30	X	16.15	x	0.68	x	0.7	=	159.83	(76)
South	0.9x	0.77	x	90	X	46.75	x	0.68	x	0.7	=	1387.98	(78)
South	0.9x	0.77	x	90	X	76.57	X	0.68	x	0.7	=	2273.16	(78)
South	0.9x	0.77	×	90	X	97.53	Х	0.68	X	0.7	=	2895.6	(78)
South	0.9x	0.77	×	90	×	110.23	x	0.68	×	0.7	=	3272.65	(78)
South	0.9x	0.77	x	90	х	114.87	x	0.68	×	0.7	=	3410.31	(78)
South	0.9x	0.77	x	90	X	110.55	X	0.68	×	0.7	=	3281.96	(78)
South	0.9x	0.77	×	90	×	108.01	Х	0.68	×	0.7	=	3206.67	(78)
South	0.9x	0.77	×	90	х	104.89	X	0.68	×	0.7	=	3114.12	(78)
South	0.9x	0.77	x	90	X	101.89	X	0.68	X	0.7	=	3024.79	(78)
South	0.9x	0.77	X	90	X	82.59	X	0.68	X	0.7	=	2451.81	(78)
South	0.9x	0.77	X	90	X	55.42	X	0.68	X	0.7	=	1645.23	(78)
South	0.9x	0.77	×	90	X	40.4	X	0.68	X	0.7	=	1199.34	(78)
West	0.9x	0.77	X	105	X	19.64	X	0.68	X	0.7	=	680.26	(80)
West	0.9x	0.77	X	130	X	19.64	X	0.68	X	0.7	=	842.23	(80)
West	0.9x	0.77	X	105	X	38.42	X	0.68	X	0.7	=	1330.74	(80)
West	0.9x	0.77	X	130	X	38.42	X	0.68	X	0.7	=	1647.58	(80)
West	0.9x	0.77	X	105	X	63.27	X	0.68	X	0.7	=	2191.54	(80)
West	0.9x	0.77	X	130	X	63.27	X	0.68	X	0.7	=	2713.33	(80)
West	0.9x	0.77	X	105	X	92.28	Х	0.68	X	0.7	=	3196.23	(80)
West	0.9x	0.77	X	130	X	92.28	х	0.68	X	0.7	=	3957.23	(80)
West	0.9x	0.77	X	105	X	113.09	Х	0.68	X	0.7	=	3917.1	(80)
West	0.9x	0.77	X	130	X	113.09	X	0.68	X	0.7	=	4849.74	(80)
West	0.9x	0.77	X	105	X	115.77	X	0.68	X	0.7	=	4009.84	(80)
West	0.9x	0.77	X	130	X	115.77	X	0.68	X	0.7	=	4964.57	(80)
West	0.9x	0.77	X	105	X	110.22	X	0.68	X	0.7	=	3817.54	(80)
West	0.9x	0.77	X	130	X	110.22	X	0.68	X	0.7	=	4726.47	(80)



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West 0.9x	0.77	x	105	x	94.68	x	0.68	x	0.7	=	3279.21	(80)
West 0.9x	0.77	X	130	x	94.68	x	0.68	x	0.7	=	4059.97	(80)
West 0.9x	0.77	x	105	x	73.59	x	0.68	х	0.7	=	2548.85	(80)
West 0.9x	0.77	X	130	X	73.59	x	0.68	х	0.7	=	3155.72	(80)
West 0.9x	0.77	x	105	x	45.59	x	0.68	x	0.7	=	1579.03	(80)
West 0.9x	0.77	x	130	x	45.59	x	0.68	х	0.7	=	1954.99	(80)
West 0.9x	0.77	X	105	x	24.49	x	0.68	x	0.7	=	848.21	(80)
West 0.9x	0.77	x	130	x	24.49	x	0.68	x	0.7	=	1050.16	(80)
West 0.9x	0.77	x	105	x	16.15	x	0.68	x	0.7	=	559.42	(80)
West 0.9x	0.77	x	130	x	16.15	x	0.68	x	0.7	=	692.61	(80)
Rooflights 0.9x	1	X	27	x	26	x	0.76	x	8.0	=	384.13	(82)
Rooflights 0.9x	1	X	25	X	26	X	0.76	X	0.8	=	355.68	(82)
Rooflights 0.9x	1	X	5.4	X	26	x	0.76	x	0.8	=	76.83	(82)
Rooflights 0.9x	1	X	8.7	X	26	X	0.76	x	0.8	=	123.78	(82)
Rooflights 0.9x	1	X	27	X	54	X	0.76	x	0.8	=	797.82	(82)
Rooflights 0.9x	1	X	25	X	54	X	0.76	X	0.8	=	738.72	(82)
Rooflights 0.9x	1	X	5.4	X	54	x	0.76	x	0.8	=	159.56	(82)
Rooflights 0.9x	1	x	8.7	X	54	Х	0.76	X	0.8	=	257.07	(82)
Rooflights 0.9x	1	x	27	х	96	x	0.76	x	0.8	=	1418.34	(82)
Rooflights _{0.9x}	1	×	25	×	96	x	0.76	×	0.8	=	1313.28	(82)
Rooflights 0.9x	1	X	5.4	X	96	X	0.76	×	0.8	=	283.67	(82)
Rooflights 0.9x	1	x	8.7	X	96	Х	0.76	×	0.8	=	4 <mark>57.02</mark>	(82)
Rooflights _{0.9x}	1	×	27	×	150	X	0.76	×	0.8	=	2216.16	(82)
Rooflights 0.9x	1	x	25	×	150	X	0.76	x	0.8	=	2052	(82)
Rooflights _{0.9x}	1	x	5.4	X	150	X	0.76	X	0.8	=	443.23	(82)
Rooflights 0.9x	1	X	8.7	X	150	X	0.76	X	8.0	=	714.1	(82)
Rooflights 0.9x	1	X	27	X	192	X	0.76	X	8.0	=	2836.68	(82)
Rooflights 0.9x	1	X	25	X	192	X	0.76	x	0.8	=	2626.56	(82)
Rooflights 0.9x	1	X	5.4	X	192	X	0.76	X	8.0	=	567.34	(82)
Rooflights 0.9x	1	X	8.7	X	192	X	0.76	X	8.0	=	914.04	(82)
Rooflights 0.9x	1	X	27	X	200	X	0.76	X	0.8	=	2954.88	(82)
Rooflights 0.9x	1	X	25	X	200	X	0.76	X	0.8	=	2736	(82)
Rooflights 0.9x	1	X	5.4	X	200	X	0.76	Х	0.8	=	590.98	(82)
Rooflights 0.9x	1	X	8.7	X	200	X	0.76	Х	0.8	=	952.13	(82)
Rooflights 0.9x	1	X	27	X	189	X	0.76	Х	0.8	=	2792.36	(82)
Rooflights 0.9x	1	X	25	X	189	X	0.76	X	0.8	=	2585.52	(82)
Rooflights 0.9x	1	X	5.4	X	189	X	0.76	X	0.8	=	558.47	(82)
Rooflights 0.9x	1	X	8.7	X	189	X	0.76	X	0.8	=	899.76	(82)
Rooflights 0.9x	1	X	27	X	157	X	0.76	X	0.8	=	2319.58	(82)
Rooflights 0.9x	1	×	25	x	157	X	0.76	X	0.8	=	2147.76	(82)
Rooflights 0.9x	1	X	5.4	X	157	X	0.76	X	0.8	=	463.92	(82)