

CUADRO DE CARGAS HVAC																		DIV. 3, 4H			
CIRCUITO	DESCRIPCIÓN	AM02NN NDCH/A-A	AM018NN NDCH/A-A	AM054JN HDCH/A-A	AM020NN NDCH/A-A	AM036AN HPKH/AZ	AM048KN DCH/A-A	AM000CXVAFH/AZ	CFP-160	ID-SILENT -1200/315	TD-SILENT -X000/315	CLT-L-7	AC06DDMH DKG/VN	TOTAL WATTS	TOTAL VA	AMP	CABLE AWG [F...F..]	ITEM	FASE 1	FASE 2	FASE 3
	W	28	36	280	38	130	91		49300	82	100	335	372.85	15850							
	VA	31.1	40.00	311.11	42.22	144.44	101.11	48777.78	35.56	135.56	372.22	414.28	17611.11								
H1, 3	Cassette zone 01	3	2											156.00	173.333	0.39	10-10	2x30A		78.00	78.00
H2, 4	Fan & Coil 01			1										280.00	311.111	0.71	10-10	2x30A		140.00	140.00
H5, 7	Cassette zone 02	3			2									160.00	177.778	0.40	10-10	2x30A		80	80
H6, 8	Fan & Coil 02			2										360.00	622.222	1.41	10-10	2x30A		280.00	280.00
H9, 11	Fan & Coil 03			3										840.00	933.333	2.12	10-10	2x30A		420.00	420.00
H10, 12	Fan & Coil 04				2	1								598.00	664.444	1.51	10-10	2x30A		299.00	299.00
H13, 15	Cassette zone 03		4											144.00	160	0.36	10-10	2x30A		72.00	72.00
H14, 16	Fan & Coil 05			1										280.00	311.111	0.71	10-10	2x30A		140.00	140.00
H17, 19	Fan & Coil 06					2								260.00	288.889	0.66	10-10	2x30A		130.00	130.00
H18, 20	Cassette zone 04	1			3									142.00	157.778	0.38	10-10	2x30A		71.00	71.00
H21, 23	SITE 01												1	15850.00	17611.1	40.03	10-10	2x50A	7925.00		7925.00
H22, 24	SITE 02												1	15850.00	17611.1	40.03	10-10	2x50A	7925.00	7925.00	
H25, 27	Cassette zone 05	2	1											336.00	373.333	0.85	10-10	2x30A		168.00	168.00
H26, 28	Cassette zone 06	4		1										392.00	435.556	0.99	10-10	2x30A		196.00	196.00
H29, 31	Cassette zone 07	2			1	1								374.00	415.556	0.94	10-10	2x30A		187	187
H30, 32	Cassette zone 08	2												56.00	62.222	0.14	10-10	2x30A		28.00	28.00
H33, 35	Cassette zone 09				1	1								66.00	73.333	0.17	10-10	2x30A		33.00	33.00
H34, 36	Cassette zone 10	2		1	1									336.00	373.333	0.85	10-10	2x30A		168	168
H37, 39	Cassette zone 11						2							182.00	202.222	0.46	10-10	2x30A		91.00	91.00
H38, 40, 42	VRF 01							1						43900.00	48777.8	128.01	10-10	3k200A	14633.3	14633.3	14633.3
H41, 43, 45	VRF 02							1						43900.00	48777.8	128.01	10-10	3k200A	14633.3	14633.3	14633.3
H44, 46, 48	VRF 03							1						43900.00	48777.8	128.01	10-10	3k200A	14633.3	14633.3	14633.3
H47	Ventiladores 01								35					35.5556	0.28	10-10	1x30A				
H49	Ventiladores 02								1	2				276.00	306.667	2.41	10-10	1x20A		276.00	
H50	Ventiladores 03										1			335.00	372.222	2.93	10-10	1x20A		335.00	
H51	Ventiladores 04										1			335.00	372.222	2.93	10-10	1x20A			335.00
H52	Ventiladores 05										1			335.00	372.222	2.93	10-10	1x20A		335.00	
H53	Ventiladores 06								1	2				702.00	780	6.14	10-10	1x20A			702.00
H54	Ventiladores 07											1		404.85	449.833	3.54	10-10	1x20A		404.85	
	TOTAL=	20	6	13	8	2	2	3	4	2	5	1	2	189980	498.57			TOTAL=	59750.00	55788.85	55443.00

Tablero NQ Mod. NQ42L2C		CUADRO DE CARGAS "CONTACTOS 02"										220/110V- 3F, 4H + ITF		ITM 225A Mod. JDL36225		
CIRCUITO	DESCRIPCION	CONTACTOS ESCRITORIO	CONTACTOS NORMALES	CONTACTO ESPECIAL	SECADOR MB-1002	FLUXOMETRO FC-110, 3B-3.5	TOTAL WATTS	TOTAL VA	AMP	DISTANCIA (m)	CALIBRE AWG (F-T.F.)	Corrio tension 6%	ITM	FASE 1	FASE 2	FASE 3
	W	180	180	400	1000	3										
	VA	200.00	200.00	444.44	1111.11	3.33										
CB1	CON-01	3					540.00	600	4.72	46	10-10	1.3012954	1x30A	540.00		
CB2	CON-02	3					540.00	600	4.72	46	10-10	1.3012954	1x30A	540.00		
CB3	CON-03	3					540.00	600	4.72	43	10-10	1.2164283	1x30A	540.00		
CB4	CON-04	2		1			760.00	844.4444	6.65	44	10-10	1.7518244	1x30A	760.00		
CB5	CON-05	3					540.00	600	4.72	40	10-10	1.1315612	1x30A	540.00		
CB6	CON-06	3					540.00	600	4.72	40	10-10	1.1315612	1x30A	540.00		
CB7	CON-07	2					360.00	400	3.15	38	10-10	0.7166554	1x30A		360.00	
CB8	CON-08	3					540.00	600	4.72	38	10-10	1.0749831	1x30A			540.00
CB9	CON-09	3					540.00	600	4.72	44	10-10	1.2447173	1x30A	540.00		
CB10	CON-10	3					540.00	600	4.72	44	10-10	1.2447173	1x30A	540.00		
CB11	CON-11	3					540.00	600	4.72	31	10-10	0.8769599	1x30A	540.00		
CB12	CON-12	3					540.00	600	4.72	31	10-10	0.8769599	1x30A		540.00	
CB13	CON-13	3					540.00	600	4.72	28	10-10	0.7920928	1x30A		540.00	
CB14	CON-14	3					540.00	600	4.72	27	10-10	0.7638038	1x30A		540.00	
CB15	CON-15	2		1			760.00	844.4444	6.65	26	10-10	1.0351689	1x30A		760.00	
CB16	CON-16	3					540.00	600	4.72	26	10-10	0.7355148	1x30A		540.00	
CB17	CON-17	2					360.00	400	3.15	28	10-10	0.5280619	1x30A			360.00
CB18	CON-18	1	2				540.00	600	4.72	28	10-10	0.7920928	1x30A		540.00	
CB19	CON-19	3		1			940.00	1044.444	8.22	51	10-10	2.5114372	1x30A			940.00
CB20	CON-20	3					540.00	600	4.72	50	10-10	1.4144515	1x30A		540.00	
CB21	CON-21	3					540.00	600	4.72	49	10-10	1.3861625	1x30A		540.00	
CB22	CON-22	3					540.00	600	4.72	47	10-10	1.3295844	1x30A		540.00	
CB23	CON-23	3					540.00	600	4.72	47	10-10	1.3295844	1x30A			540.00
CB24	CON-24	2		1			760.00	844.4444	6.65	49	10-10	1.9508953	1x30A			760.00
CB25	CON-25	2		1			1600.00	1777.778	14.00	41	10-10	3.4365933	1x30A		1600.00	
CB26	CON-26	2		4			760.00	844.4444	6.65	35	10-10	1.3934967	1x30A			760.00
CB27	CON-27	2		1			760.00	844.4444	6.65	34	10-10	1.3536825	1x30A			760.00
CB28	CON-28	3					540.00	600	4.72	34	10-10	0.961827	1x30A			540.00
CB29	CON-29	3					540.00	600	4.72	33	10-10	0.933538	1x30A			540.00
CB30	CON-30	3					540.00	600	4.72	30	10-10	0.8486709	1x30A			540.00
CB31	CON-31	3					540.00	600	4.72	29	10-10	0.8203819	1x30A			540.00
CB32	CON-32	3					540.00	600	4.72	27	10-10	0.7638038	1x30A			540.00
CB33	CON-33			4			1600.00	1777.778	14.00	30	10-10	2.5145804	1x30A	1600.00		
CB34	CON-34	1	2				540.00	600	4.72	35	10-10	0.990116	1x30A			540.00
CB35	BAÑOS						54.00	60	0.47	15	10-10	0.0424335	1x30A	54.00		
CB36	SECADOR H				1		1000.00	1111.11	8.75	15	10-10	0.7858064	1x30A	1000.00		
CB37	SECADOR M				1		1000.00	1111.11	8.75	16	10-10	0.8381935	1x30A			
	TOTAL=	85	4	14	2	18	23674	26304.44	69.03		% Desbalance=	3.8059701	TOTAL=	7734	8040.00	7900.00

Toblero NQ Mod. NQ42L2C		CUADRO DE CARGAS "CONTACTOS 01"							220/110V- 3F, 4H + 1F		ITM 225A Mod. JDL36225			
CIRCUITO	DESCRIPCION	CONTACTOS ESCRITORIO	CONTACTOS NORMALES	CONTACTO ESPECIAL	TOTAL WATTS	TOTAL VA	AMP	DISTANCIA (m)	CALIBRE AWG (F-T-F)	Cables tensión e%	ITM	FASE 1	FASE 2	FASE 3
	W	180	180	400										
	VA	200.00	200.00	444.44										
C1	CON-01	3			540.00	600	4.72	51	10-10	1.4427405	1x30A	540.00		
C2	CON-02	3			540.00	600	4.72	43	10-10	1.2164283	1x30A	540.00		
C3	CON-03	3			540.00	600	4.72	39	10-10	1.1032722	1x30A	540.00		
C4	CON-04	3			540.00	600	4.72	42	10-10	1.1881393	1x30A	540.00		
C5	CON-05	3			540.00	600	4.72	39	10-10	1.1032722	1x30A	540.00		
C6	CON-06	1	2		540.00	600	4.72	45	10-10	1.2730063	1x30A	540.00		
C7	CON-07	3			540.00	600	4.72	40	10-10	1.1315612	1x30A	540.00		
C8	CON-08	3			540.00	600	4.72	41	10-10	1.1599502	1x30A		540.00	
C9	CON-09	3			540.00	600	4.72	46	10-10	1.3012954	1x30A		540.00	
C10	CON-10	3			540.00	600	4.72	49	10-10	1.3861625	1x30A		540.00	
C11	CON-11	3			540.00	600	4.72	33	10-10	0.933538	1x30A		540.00	
C12	CON-12	3	1		720.00	600	6.30	35	10-10	1.3201547	1x30A		720.00	
C13	CON-13	2		1	760.00	844.4444444	6.65	46	10-10	1.8374528	1x30A	760.00		
C14	CON-14	3			540.00	600	4.72	42	10-10	1.1881393	1x30A		540.00	
C15	CON-15	2		1	760.00	844.4444444	6.65	42	10-10	1.672196	1x30A		760.00	
C16	CON-16	3			540.00	600	4.72	37	10-10	1.0466941	1x30A		540.00	
C17	CON-17	2			360.00	400	3.15	39	10-10	0.7355148	1x30A	360.00		
C18	CON-18	2			360.00	400	3.15	36	10-10	0.6789367	1x30A		360.00	
C19	CON-19	2			360.00	400	3.15	36	10-10	0.6789367	1x30A			360.00
C20	CON-20	2			360.00	400	3.15	38	10-10	0.7166554	1x30A		360.00	
C21	CON-21	3			540.00	600	4.72	17	10-10	0.4809135	1x30A		540.00	
C22	CON-22	3			540.00	600	4.72	16	10-10	0.4526245	1x30A			540.00
C23	CON-23	2			360.00	400	3.15	13	10-10	0.2457176	1x30A		360.00	
C24	CON-24	2			360.00	400	3.15	11	10-10	0.2074529	1x30A			360.00
C25	CON-25	2		1	760.00	844.4444444	6.65	13	10-10	0.5175845	1x30A		760.00	
C26	CON-26	2			360.00	400	3.15	10	10-10	0.1885935	1x30A		360.00	
C27	CON-27	3			540.00	600	4.72	17	10-10	0.4809135	1x30A		540.00	
C28	CON-28	2		3	900.00	1000	7.87	14	10-10	0.6600774	1x30A			900.00
C29	CON-29	3			540.00	600	4.72	40	10-10	1.1315612	1x30A		540.00	
C30	CON-30	3			540.00	600	4.72	27	10-10	0.7638038	1x30A		540.00	
C31	CON-31	3			540.00	600	4.72	27	10-10	0.7638038	1x30A		540.00	
C32	CON-32	3		1	940.00	1044.444444	8.22	23	10-10	1.1326089	1x30A	940.00		
C33	CON-33	3			540.00	600	4.72	27	10-10	0.7638038	1x30A			540.00
C34	CON-34	3			540.00	600	4.72	30	10-10	0.9486709	1x30A			540.00
C35	CON-35	3			540.00	600	4.72	39	10-10	1.1032722	1x30A			540.00
C36	CON-36	3			540.00	600	4.72	36	10-10	1.0194051	1x30A		540.00	
C37	CON-37	2			360.00	400	3.15	32	10-10	0.6034993	1x30A	360.00		
C38	CON-38	2		1	760.00	844.4444444	6.65	50	10-10	1.9907095	1x30A		760.00	
C39	CON-39	3			540.00	600	4.72	44	10-10	1.2447173	1x30A	540.00		
	TOTAL=	102	6	5	21440	23822.22222	62.52		% Desbalance:	3.021978	TOTAL=	7100.00	7280	7060

Tablero NQ Mod. NQ442L2C			CUADRO DE CARGAS "CONTACTOS 03"							220/110V, 3F, 4H+1TF	ITM 225A Mod. JDL36225		
CIRCUITO	DESCRIPCIÓN	CONTACTOS ESCRITORIO	CONTACTOS NORMALES	CONTACTO ESPECIAL	CONTACTOS MICROS	TOTAL WATTS	TOTAL VA	AMP	CALIBRE AWG (F--T.F.)	ITM	FASE 1	FASE 2	FASE 3
	W	180	160	400	1200								
	VA	200.00	200.00	444.44	1333.33								
CC1	CON-01	3				540.00	600	4.72	10--10	1x30A	540.00		
CC2	CON-02	3		1		340.00	1044.444444	8.22	10--10	1x30A			340.00
CC3	CON-03	3				540.00	600	4.72	10--10	1x30A	540.00		
CC4	CON-04	3				540.00	600	4.72	10--10	1x30A	540.00		
CC5	CON-05	3				540.00	600	4.72	10--10	1x30A	540.00		
CC6	CON-06	3				540.00	600	4.72	10--10	1x30A	540.00		
CC7	CON-07	3				540.00	600	4.72	10--10	1x30A	540.00		
CC8	CON-08	2		1		760.00	844.4444444	6.85	10--10	1x30A		760.00	
CC9	CON-09	3				540.00	600	4.72	10--10	1x30A	540.00		
CC10	CON-10	2				360.00	400	3.15	10--10	1x30A	360.00		
CC11	CON-11	2				360.00	400	3.15	10--10	1x30A			360.00
CC12	CON-12	3				540.00	600	4.72	10--10	1x30A	540.00		
CC13	CON-13	2				360.00	400	3.15	10--10	1x30A			360.00
CC14	CON-14	3				540.00	600	4.72	10--10	1x30A		540.00	
CC15	CON-15	2				360.00	400	3.15	10--10	1x30A	360.00		
CC16	CON-16	3				540.00	600	4.72	10--10	1x30A		540.00	
CC17	CON-17	2				360.00	400	3.15	10--10	1x30A		360.00	
CC18	CON-18	1		1		580.00	644.4444444	5.07	10--10	1x30A			580.00
CC19	CON-19	2				360.00	400	3.15	10--10	1x30A		360.00	
CC20	CON-20	2				360.00	400	3.15	10--10	1x30A		360.00	
CC21	CON-21	3				540.00	600	4.72	10--10	1x30A		540.00	
CC22	CON-22	3				540.00	600	4.72	10--10	1x30A		540.00	
CC23	CON-23	3				540.00	600	4.72	10--10	1x30A		540.00	
CC24	CON-24	3				540.00	600	4.72	10--10	1x30A		540.00	
CC25	CON-25	3				540.00	600	4.72	10--10	1x30A		540.00	
CC26	CON-26	3				540.00	600	4.72	10--10	1x30A		540.00	
CC27	CON-27	3				540.00	600	4.72	10--10	1x30A			540.00
CC28	CON-28	3				540.00	600	4.72	10--10	1x30A			540.00
CC29	CON-29	3				540.00	600	4.72	10--10	1x30A			540.00
CC30	CON-30	3				540.00	600	4.72	10--10	1x30A			540.00
CC31	CON-31	3				540.00	600	4.72	10--10	1x30A			540.00
CC32	CON-32	3				540.00	600	4.72	10--10	1x30A			540.00
CC33	CON-33	3				540.00	600	4.72	10--10	1x30A			540.00
CC34	CON-34	2				360.00	400	3.15	10--10	1x30A			360.00
CC35	CON-35	2				360.00	400	3.15	10--10	1x30A		360.00	
CC36	CON-36	3				540.00	600	4.72	10--10	1x30A			540.00
CC37	CON-37	2		1		760.00	844.4444444	6.85	10--10	1x30A			760.00
CC38	CON-38	2		1		760.00	844.4444444	6.85	10--10	1x30A			760.00
CC39	CON-39		1		2	2580.00	2866.666667	22.57	10--10	1x30A	2580.00		
CC40	CON-40				2	2400.00	2666.666667	21.00	10--10	1x30A		2400.00	
CC41	CON-41	1	1	2		1160.00	1288.888889	10.15	10--10	1x30A	1160.00		
	TOTAL=	101	2	7	4	26140.00	29044.44444	76.22		TOTAL=	8780.00	8920.00	8440.00

TABLERA QG MOD. Q0312125G										CUADRO DE CARGAS "ILUMINACIÓN Q2"										220/110V- 3F, 4H+1TF		
CIRCUITO	DESCRIPCION	CPX 2x2 200/80 40k SWL.MVOLT	12V/DLED 430MV.12	BL.U/SUSP. 1200 25W 4000K	MLED-60-IP45 -127V-CD	TOTAL WATTS	TOTAL VA	AMP	DISTANCIA (m)	CALIBRE AWG (F-T-F.)	Carga tensión 6%	ITM	FASE 1	FASE 2	FASE 3							
	W	15.6	40	25	60																	
	VA	17.33	13.33	27.78	66.67																	
A01	ZONA 01	6	10		7	633.60	704	5.54	47	12-12	2.4791059	1x15A		633.60								
A02	ZONA 02	6	12		9	777.60	864	6.80	39	12-12	2.52466	1x15A			777.60							
A03	ZONA 03	6	8	3	5	564.60	627.333	4.94	31	12-12	1.4570841	1x15A			564.60							
A04	ZONA 04	2	6		5	403.20	448	3.53	36	12-12	1.2083843	1x15A			403.20							
A05	ZONA 05		15			180.00	200	1.57	63	12-12	0.9291463	1x15A			180.00							
A06	ZONA 06		11			132.00	146.667	1.15	63	12-12	0.6923035	1x15A	132.00									
A07	ZONA 07	14				218.40	242.667	1.91	60	12-12	1.0590925	1x15A		218.40								
A08	ZONA 08	12				187.20	208	1.64	56	12-12	0.872722	1x15A	187.20									
A09	ZONA 09				17	1020.00	1133.33	8.92	30	12-12	2.5474371	1x15A	1020.00									
	TOTAL=	46	62	3	43	4116.46	4574	12.00		% Desbalance: 6.6889632	TOTAL= 1339.2		1435.20	1342.20								

Torneo QO Mod. GO312125G				CUADRO DE CARGAS "ILUMINACIÓN OT"							220/110V- 3F, 4W + 1TF			
CIRCUITO	DESCRIPCIÓN	CPX 2x2 200m 80 40K SWL MVOLT	12YDVL 430MV 40B	MLED-60-IP45 -127V-CD	TOTAL WATTS	TOTAL VA	AMP	DISTANCIA (m)	CALIBRE AWG (F=7 F)	Coida tensión en V	ITM	FASE 1	FASE 2	FASE 3
	W	15.6	12	60										
	VA	17.33	17.33	66.67										
A1	ZONA 01	3	11	4	418.80	465.3333333	3.66	49	12-12	1,70838126	1x15A			
A2	ZONA 02	8	7	8	688.80	765.3333333	6.03	47	12-12	2,69508857	1x15A			
A3	ZONA 03	10	12	11	960.00	1066.66667	8.40	35	12-12	2,79785856	1x15A	960.00		
A4	ZONA 04	9	6	6	728.40	809.3333333	6.37	27	12-12	1,63725244	1x15A		728.40	
	TOTAL=	30	49	27	2276.00	2509.66667	8.15			3. DNG=26.25	163.75	960	728.40	1107.60

Tablero QO Mod. QO312L125G			CUADRO DE CARGAS "ILUMINACION 03"							220/110V-- 3F, 4H + ITF				
CIRCUITO	DESCRIPCIÓN	CPX 2x2 200lm 80 40K SWL MVOLT	12YDLED 430MV 40B	MLED-60-IP45 -127V-CD	TOTAL WATTS	TOTAL VA	AMP	DISTANCIA A (m)	CALIBRE AWG (F--T.F.)	Caida tensión e%	ITM	FASE 1	FASE 2	FASE 3
	W	15.6	12	60										
	VA	17.33	13.33	66.67										
AC1	ZONA 01	5	4	5	426.00	473.333	3.73	30	12--12	1.06392962	1x15A		426.00	
AC2	ZONA 02		41		492.00	546.667	4.30	44	12--12	1.80218689	1x15A			492.00
AC3	ZONA 03	7	8	7	625.20	694.667	5.47	24	12--12	1.24914328	1x15A	625.20		
AC4	ZONA 04	4	11	3	374.40	416	3.28	16	12--12	0.94869828	1x15A	374.40		
AC5	ZONA 05	8	5	6	544.80	605.333	4.77	24	12--12	1.0885409	1x15A		544.80	
AC6	ZONA 06	4	5	6	422.40	469.333	3.70	18	12--12	0.6329632	1x15A	422.40		
AC7	ZONA 07	6	7	5	477.60	530.667	4.18	19	12--12	0.75543998	1x15A			477.60
AC8	ZONA 08	3	3	5	382.80	425.333	3.35	26	12--12	0.82856641	1x15A		382.80	
AC9	ZONA 09		32		384.00	426.667	3.36	44	12--12	1.40658489	1x15A			384.00
	TOTAL=	37	116	36	4129.2	4588	12.04		% Desbalance:	4.81012658	TOTAL=	1422	1353.60	1353.60