

Luminaire Sche	dule						
Symbol	Qty	Tag	Labe	Description	LLF	Luminaire	Luminaire
						Lumens	Watts
0	22	HEX-A	HEXA_EVO4 30_10 AR MWD LD	EVO4 30_10 AR MWD LD	0,900	852	8,8
0	4	HEX-B	AT7928-BK - Vesta	AT7928-BK HEX-B Opt1	0,900	1574	31.3
	116	HEX-C	KBL-F-V-30K-24V	KBL-F-V-30K-24V	0.225	722	14.3
	_ 52	HEX-C1	KBL-F-V-BL-30K-IEPF-IEC-24_IE	KBL-F-V-BL-30K-IEPF-IEC-24_3	0,900	96	7,7
0	6	HEX-G	ZXL-11-A-M_IESNA2002		0,900	633	8.111
0	4	HEX-H1	SN825-L1L5	SN825-L1L5	0,900	555	12.2
0	5	HEX-K	LN601B-L10-R30	LN601B-L10-R30	0,900	1120	11
0	3	HEX-L	LC0123WCC010LD7T540K-JES	LC0123C010LD7T540K	0.900	955	10
0	15	HEX-M	WDGE1 LED P1 30K 80CRI VF	WDGE1 LED P1 30K 80CRI VF	0,900	1161	10,0002
	94	HEX-O	FN-SCS8-5W-3-27K	SL-XX-5W-3FT-27K-XX	0.720	912	16.4
•	6	HEX-U	1E345590	1E345590	0,900	550	6,1
0	4	HEX-V	KPLM41ZML230 SP	KPLM41ZML230 SP	0,900	611	13.5

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DOG PARK	Illuminance	Fc	1,25	3,7	0,1	12,50	37,00
EXTERIOR AMENITY	Illuminance	Fc	1,78	5,9	0,2	8,90	29,50
INTERIOR ALLEY	Illuminance	Fc	3.51	7,9	0.7	5.01	11.29
PATHWAY_EAST	Illuminance	Fc	2.78	5.4	0.1	27.80	54.00
PATHWAY_NORTH_1	Illuminance	Fc	3,26	9,2	0,1	32,60	92,00
PATHWAY_NORTH_2	Illuminance	Fc	1.33	7.7	0.0	N.A.	N.A.
PATHWAY_SOUTH_1	Illuminance	Fc	2.02	9.5	0.0	N.A.	N.A.
PATHWAY_SOUTH_2	Illuminance	Fc	2.19	7.6	0.0	N.A.	N.A.
PATHWAY_WEST	Illuminance	Fc	2,65	6,3	0,0	N.A.	N.A.
PROMENADE	Illuminance	Fc	2.64	11.9	0.1	26.40	119.00
PROPERTY LINE_EAST	Illuminance	Fc	0.85	3.5	0.1	8.50	35.00
PROPERTY LINE_NORTH	Illuminance	Fc	1,32	12,1	0,0	N.A.	N.A.
PROPERTY LINE_SOUTH	Illuminance	Fc	1.44	8.7	0,0	N.A.	N.A.
PROPERTY LINE_WEST	Illuminance	Fc	0.08	0.2	0.0	N.A.	N.A.
SIDEWALK_BROOM	Illuminance	Fc	0,59	2,0	0,2	2,95	10,00
SIDEWALK_GORHAM	Illuminance	Fc	0.16	2,3	0,0	N.A.	N.A.
SIDEWALK_JOHNSON	Illuminance	Fc	1.26	6.6	0.0	N.A.	N.A.
TURN AROUND SPOT	Illuminance	Fc	7.31	14.1	2.0	3.66	7.05

GENERAL NOTES:
EXTERIOR LIGHTS HEX-D, E, F, G, J, K, AND L TO BE
CONTROLLED VIA TIMECLOCK TO TURN ON 1 HR BEFORE
SUNSET AND TURN OFF 1 HR AFTER SUNRISE.

TYPE HEX-A, B, C, AND H WILL BE CONTROLLED SEPERATELY THAN THE TIMECLOCK.

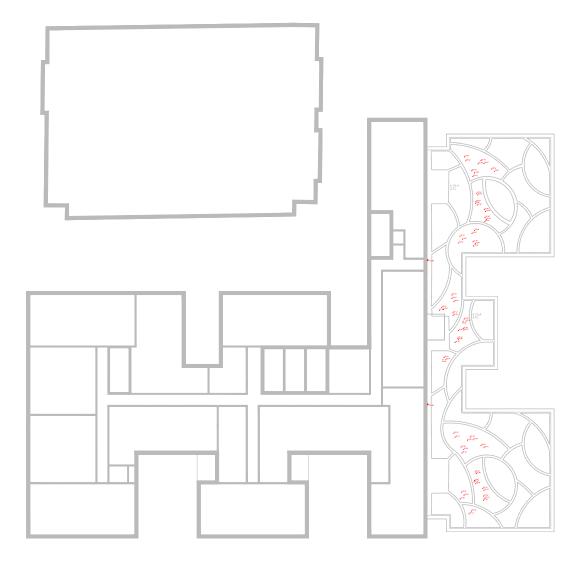
GENERAL CALCULATION NOTES: AVERAGE REFLECTANCES = 50% GROUND AND 50% WALLS

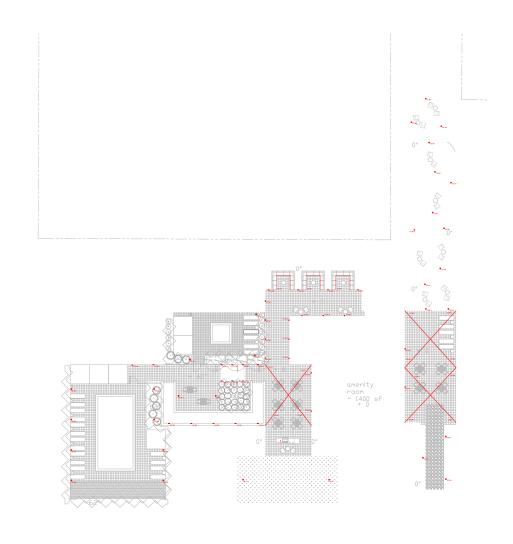
PROPERTY LINE ILLUMINANCE MEASURED AT 4'0 ABOVE GRADE
ALL OTHER CALCULATIONS TAKEN AT GROUND

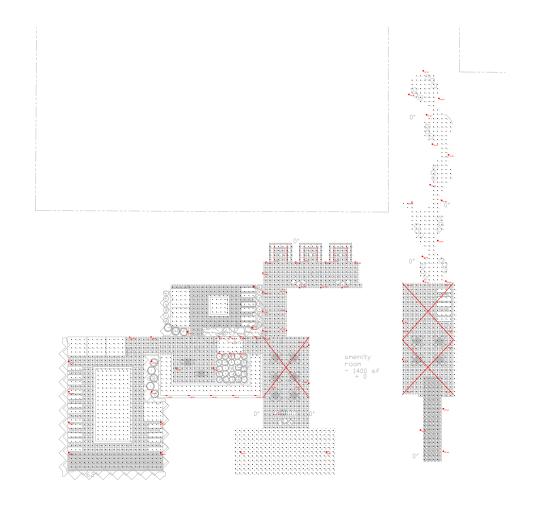
90% LUMEN MAINTENANCE

CALCULATION DISCLAIMER:

ILLUMINANCE CALCULATIONS ARE INTENDED TO SERVE AS A VERIFICATION TOOL FOR LIGHTING DESIGN, NOT AS A GUARANTEE OF SPECIFIC ILLUMINANCE LEVELS. ALL CALCULATIONS PERFORMED BY HARTRANFT LIGHTING DESIGN, LLC ARE BASED ON STANDARDS AND METHODS APPROVED BY THE IESNA, AND PHOTOMETRY MADE AVAILABLE BY LIGHTING FIXTURE MANUFACTURERS. WHILE ALL NECESSARY STEPS HAVE BEEN TAKEN TO INSURE THE ACCURACY OF THE CALCULATIONS, ALL RESULTS ARE DIRECTLY DEPENDENT ON THE IES FORMAT
PHOTOMETRIC FILE USED AS INPUT AND THE POINT-BY-POINT CAULCULATION METHOD USED BY THE SOFTWARE, COMPUTED RESULTS CAN VARY SIGNIFICANTLY (+/-20%) FROM ACTUAL LEVELS AS A RESULT OF FIELD CONDITIONS SUCH AS FINISHES AND ENVIRONMENTAL FACTORS THAT MAY AFFECT THE LIGHTING AS WELL AS HE ACCURACY OF DATA INCLUDED IN THE INPUT FILE. HARTRANFT LIGHTING DESIGN, LLC SHALL NOT BEAR RESPONSIBILITY FOR ANY DISCREPANCY BETWEEN CALCULATED LEVELS AND THOSE ULTIMATELY REALIZED UNDER FIELD







Luminaire Schedule	uminaire Schedu l e						
Symbol	Qty	Tag	Label	Description	LLF	Luminaire	Luminaire
						Lumens	Watts
	14	HEX-D	S6240VV	S6240W_14	0,900	422	13.5
0	11	HEX-H1	SN825-L1L5	SN825-L1L5	0.900	555	12.2
0	15	HEX-K	LN601B-L10-R30	LN601B-L10-R30	0,900	1120	11
0	2	HEX-L	LC0123WCC010LD7T540K-IES	LC0123C010LD7T540K	0,900	955	10
0	14	HEX-N	EQ111E039LDT430K	EQ111E039LDT430K	0.900	4261	39
	143	HEX-R	HEX-R_7828 LSL2-B-12-S-30-C	LSL2 B 12 S 30 C	0.900	5	0.2

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Counter_1_Top_1	Illuminance	Fc	0.54	0.6	0.5	1.08	1.20
Dining and Grills	Illuminance	Fc	2,23	23.8	0,6	3.72	39.67
Dining East	Illuminance	Fc	2,23	218.2	0.0	N.A.	N.A.
Hot Tub Deck	Illuminance	Fc	5.85	7.0	2.9	2.02	2.41
Hot Tub Surface	Illuminance	Fc	6.44	6.6	6.3	1.02	1.05
Landing_1_Planar	Illuminance	Fc	5.43	13,3	2,1	2,59	6,33
Landing_2_Planar	Illuminance	Fc	3.47	9.1	1.1	3.15	8.27
Landing_3_Planar	Illuminance	Fc	4.85	5.9	3.2	1.52	1.84
Lounge West	Illuminance	Fc	6,49	159,9	0,2	32,45	799,50
Pool Deck	Illuminance	Fc	6.98	65.0	3.0	2.33	21.67
Pool Surface	Illuminance	Fc	6.18	7.7	4.7	1.31	1.64
Raised Eating Area	Illuminance	Fc	4,36	22,6	1,1	3,96	20,55
Ramp_1_Planar	Illuminance	Fc	1.42	2.7	0,5	2.84	5.40
Ramp_2_Planar	Illuminance	Fc	4.13	15.7	0.7	5.90	22.43
Ramp_3_Planar	Illuminance	Fc	3,33	13.9	0,9	3,70	15,44
Ramp_4_Planar	Illuminance	Fc	4.71	5,8	3,4	1,39	1.71
Seating East	Illuminance	Fc	11.92	222.5	0.1	119,20	2225
Stairs	Illuminance	Fc	11.64	91.8	2.1	5.54	43.71
Turf	Illuminance	Fc	3,13	6,0	1.1	2,85	5,45

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ALL OTHER CALCULATIONS TAKEN AT GROUND

90% LUMEN MAINTENANCE

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POLYMER WINDOW SYSTEM COLOR, BLACK



STOREFRONT SYSTEM COLOR, BLACK



GLAZING UNITS LOW IRON CLEAR



GRANITE COLOR, BLACK



METAL PANEL BOXED RIBBED COLOR, FIRED BRICK

METAL PANEL

MP-5

METAL PANEL

BOXED RIBBED

BOXED RIBBED COLOR, FIRED BRICK



METAL PANEL FLAT COLOR, FIRED BRICK



METAL PANEL FLAT COLOR, ARCTIC WHITE



METAL PANEL FLAT COLOR, MIDNIGHT BRONZE



BRICK COLOR, ASH, PLATINUM



BRICK COLOR, CEDAR, COPPERTONE



BRICK COLOR, MOUNTAIN RED



BRICK COLOR, BLACK OPAL

COLOR, MIDNIGHT BRONZE



PREVIOUS



PREVIOUS



CURRENT



CURRENT







CURRENT



CURRENT







PREVIOUS



CURRENT



CURRENT









UDC FORMAL SUBMITTAL