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1. THIS DRAWING IS NOT TO BE SCALED - IF IN DOUBT, ASK.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE DEVELOPER'S BASE BUILD SPECIFICATION AND ALL RELEVANT ARCHITECTS AND STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS.
3. THIS DRAWING DETAILS A PRELIMINARY PROPOSAL FOR PLANNING AND COMMENT ONLY. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE DETAILED DESIGN OF THE ELECTRICAL SERVICES.
4. UNLESS STATED OTHERWISE, ALL SERVICES DETAILED ON THIS DRAWING ARE TO BE NEW AND SHALL BE SUPPLIED, INSTALLED, TESTED AND COMMISSIONED BY THE CONTRACTOR.



Schedule						
Symbol	Label	QTY	Manufacturer	Catalog	Description	Input Power
	A	2	HOLOPHANE EUROPE LIMITED	DSX1.4.LA304.FWE	D-Series 1 - Area luminaire on 8m Column	213
	AW	2	HOLOPHANE EUROPE LIMITED	DSX1.4.LA304.FWE	D-Series 1 - Area luminaire on Wall Bracket at 7m AFPL	213
	B I	1	HOLOPHANE EUROPE LIMITED	DSX0.4.LA114.I BL2 (C)	D-Series 0 - Area luminaire on 8m Column	75
	C	3	HOLOPHANE EUROPE LIMITED	TBHP.POL1.7026AR4030GL	7026 - POLAR 1 30W MOD. AR 4000K. at 5m Zero Tie	30
	D	1	HOLOPHANE EUROPE LIMITED	DWL.1.LA044.FW.W025	Denver ID Wall at 3m AFPL	25
	E	1/2	HOLOPHANE EUROPE LIMITED	DWL.1.LA014.HL.W007	Denver ID Wall at 2.7m AFPL	6.5

DREEM COMPLIANCE TABLE											
IN ACCORDANCE WITH IES INSTITUTE OF LIGHTING ENGINEERING GUIDANCE NOTES ON OBTRUSIVE LIGHT						REQUIRED LIMIT _{avg} = 70					
FITTING		QUANTITY	LUMENS PER LED LAMPHARES	LOK	LUMINAIRE WATTS	LIMIT _{avg}	AUTOMATIC CONTROLS	DREEM ACHIEVED	TOTAL LUMENS	ULOK	UPWARD LUMEN OUTPUT
DSX1. 2.LA304.FWE	A1	2	30330	100%	213	106	YES	YES	60660	0.0%	0
DSX1. 2.LA304.FWE	AW	2	30330	100%	213	106	YES	YES	60660	0.0%	0
DSX0. 1.LA114.BLC(TZ)	B1	1	9554	100%	75	109	YES	YES	9554	0.0%	0
TBHF.POL1.7026AR403OG	C	3	3415	100%	30	114	YES	YES	10245	0.0%	0
DWL.1.LA044.FW.W025	D	1	3823	100%	25	153	YES	YES	3823	0.0%	0
DWL.1.LA014.HN.W007	E	12	897	100%	6.5	138	YES	YES	10764	0.0%	0
TOTAL CIRCUIT WATTS OF INSTALLATION					1120	TOTAL LIMIT _{avg}		139.02	INSTALLATION ULK	0.0%	
EXTERNAL LIGHTING CONTROL WITH AUTOMATIC CONTROLS = YES					AVERAGE INITIAL LUMINOUS EFFICACY ABOVE 70LM/WT _{avg}						
TOTAL LUMENS OUT OF FITTINGS					155706	TOTAL UPWARD LUMEN OUTPUT					
ENVIRONMENTAL ZONE COMPLIANCE: PERMISSIBLE ULKs FOR EACH ENVIRONMENTAL ZONE: E0 AND E1 = 0% E2 = UP TO 2.5% E3 = UP TO 5% E4 UP TO 15% THE SCHEME COMPLIES TO ENVIRONMENTAL ZONES E0, E1, E2, E3, E4											

- THE LIGHTING SCHEME SHALL BE CONTROLLED WITH AUTOMATIC LIGHTING CONTROLS INCORPORATING TIMECLOCK / PHOTOCELL / PRESENCE DETECTION AND MANUAL OVERRIDE .
- THE HOURS OF OPERATION SHALL BE DETERMINED BY TENANT USE AND WHERE NO NIGHTTIME WORKING PRACTICES ARE CARRIED OUT -LIGHTING SHALL BE LIMITED AND SET TO PRE DESCRIBED TIME LIMITS BY USE OF TIME CLOCK CONTROL.
- THE EXTERNAL LIGHTING HAS BEEN DESIGNED TO ACCORD WITH BREEDAM CREDIT PUL 40 -REDUCTION OF NIGHTTIME LIGHTING AND ILP GUIDANCE NOTES TABLE 2 - ALL EXTERNAL LIGHTING SHALL HAVE THE ABILITY TO BE AUTOMATICALLY SWITCHED OFF BETWEEN THE HOURS 23.00 AND 0700 WITH THE EXCEPTION OF LIGHTING USED FOR SECURITY OR SAFETY.
- THE LIGHTING TO THE PEDESTRIAN FOOTWAY – ESCAPES ROUTE TO THE REAR OF THE UNIT WILL ONLY BE ILLUMINATED IF A PERSON IS WITHIN THE SENSOR FIELD AREA OF A PRESENCE DETECTOR - THESE PERIMETER LIGHTWARRS ARE TO BE ACTIVATED FROM THE REAR EXIT DOOR AND HEADING WOULD NOT NORMALLY BE OPERATED DURING NIGHTTIME PERIODS.