

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	LAMPS	DESIGN BASICS
A	WALL MOUNT LED FIXTURE CW 1270 DELIVERED LUMENS, PHOTOCELL, DARK BROWN FINISH, AND FLUSH MOUNTING.	120V	13W LED 4000K	LITHONIA - OLWX1 LED 13W 40K 120V PE EATON - XTOR18-W-PC1 (NOTE 1, 2) NORIBACHI - WPP-LIN-006-8-NW-MT-PC1 (NOTE 1, 2)
B	4" VAPOUR TIGHT LED FIXTURE CW 5329 DELIVERED LUMENS, STAINLESS STEEL LATCHES, WHITE FINISH, 80 CRI, FIBERGLASS HOUSING AND ACRYLIC FROSTED LENS.	120V	54W LED 4000K	AIMLITE - WWP4-LA2-2/40K/SS BJ TAKE - BLV-4-6-840-UNV-L46C/W STAINLESS STEEL LATCHES (NOTE 1, 2) ELITE-ORACLE - 4-OW1P-LED-6000L-DIM10-MVOLT-40K-85-SSL (NOTE 1, 2)
C	1x4" RECESSED MOUNT LED FIXTURE CW 4100 DELIVERED LUMENS, DIMMING TO 1% (0-10 VOLT DIMMING), WHITE FLANGE, WHITE STEEL REFLECTOR AND STEEL HOUSING.	120V	39W LED 4000K	LITHONIA - TL4 40L FW A12 EZ1 LP840 EATON - 14GFA-LD4-40-F1-UNV-L840-HCD (NOTE 1, 2) PHILIPS-CFI - 1TG4ZL840-4-FA-02F-UNV-DIM (NOTE 1, 2)
F	4" VAPOUR TIGHT LED FIXTURE CW 3626 DELIVERED LUMENS, STAINLESS STEEL LATCHES, 80 CRI, IP67 RATED WHITE FIBERGLASS HOUSING AND ACRYLIC FROSTED LENS.	120V	40W LED 4000K	AIMLITE - WWP4-LA1-2/40K/SS AIMLITE - BLV-4-4-840-UNV-L46-STAINLESS STEEL LATCHES (NOTE 1, 2) ELITE-ORACLE - 4-OW1P-LED-4000L-DIM10-MVOLT-40K-85-SSL (NOTE 1, 2)
G	4" RECESSED LED DOWNLIGHT CW 600 DELIVERED LUMENS, 90 CRI, LINE VOLTAGE DIMMING TO 10%, WET LOCATION LISTED, NEW CONSTRUCTION HOUSING, AND MATTE WHITE BAFFLE.	120V	11.2W LED 4000K	LITHONIA - 4BPMW LED 40K 90CRI L3LED T24 EATON - LT460WH-8940-H995ICAT (NOTE 1, 2) PHILIPS-LOL - CP4RB07840W // CP4RN (NOTE 1, 2)
H	9" x 9" x 18" WALL SCONCE CW 2000 DELIVERED LUMENS, TEXTURED DARK BRONZE FINISH, TYPE 4 DISTRIBUTION, WET LOCATION LISTED AND ALUMINUM HOUSING.	120V	24W LED 4000K	LITHONIA - WSO LED 1 10A70040K SR4 MVOLT DOBTD EATON - ISS-E01-LED-E1-8L4-BZ (NOTE 1, 2) BROWNLEE - 7025-C17LED-40K-ECW (NOTE 1, 2)
K	LED SURFACE MOUNT CANOPY FIXTURE CW 5718 DELIVERED LUMENS, 70 CRI, MOTION/AMBIENT SENSOR (DISABLED DURING COMMISSIONING), IP66 RATED ENCLOSURE AND NATURAL ALUMINUM FINISH.	120V	45W LED 4000K	LITHONIA - DSXSC LED 20C 700 40K T5R 120 SRM PIR3FC3V DNAXD EATON - TT-C3-LED-E1-RW-NAL-MS-DIM2 (NOTE 1, 2) PHI-GARCCO - G3-MR-5-16L-1000-NW-G2-120-MGY (NOTE 1, 2)
L	2x24" LED STRIPLIGHT CW 2500 DELIVERED LUMENS, 80 CRI, WHITE FINISH, STEEL HOUSING AND FROSTED ACRYLIC LENS.	120V	22W LED 4000K	LITHONIA - ZLN L24 2500LM FST MVOLT 40K 80CRI WH EATON - 2SNLED-LD4-26SSL-LN-UNV-L840-CD1-U (NOTE 1, 2) PHILIPS-CFI - FSS230L840-UNV-DIM (NOTE 1, 2)
S1	LED AREA LUMINAIRE CW 26529 DELIVERED LUMENS, 70 CRI, NATURAL ALUMINUM FINISH, TYPE 1 SHORT DISTRIBUTION, MAX EPA = 1.1 SQUARE FEET, MAX WEIGHT = 35 LBS AND ROUND POLE MOUNTING. 50" TAPERED OCTAGONAL GALVANIZED STEEL POLE COMPLETE WITH BASE PLATE, HAND HOLE AND ANCHOR BOLTS.	347V	232W LED 4000K	LITHONIA - DSX2 100C 700 40K T1S 347 RPA DNAXD NOVA POLE: NST 50 PHI-GARCCO - ECF-L-80L-900-NW-G2-AR-2-UNV-DD-MGY (NOTE 1, 2) VALMONT - OT-50.XX (NOTE 1, 2)
S2	LED AREA LUMINAIRE CW 21943 DELIVERED LUMENS, 70 CRI, NATURAL ALUMINUM FINISH, TYPE 2 MEDIUM DISTRIBUTION, MAX EPA = 1.1 SQUARE FEET, MAX WEIGHT = 35 LBS AND ROUND POLE MOUNTING. 50" TAPERED OCTAGONAL GALVANIZED STEEL POLE COMPLETE WITH BASE PLATE, HAND HOLE AND ANCHOR BOLTS.	347V	175W LED 4000K	LITHONIA - DSX2 100C 530 40K T2M 347 RPA DNAXD NOVA POLE: NST 50 PHI-GARCCO - ECF-S-64L-1A-NW-G2-AR-2-UNV-DD-MGY (NOTE 1, 2) VALMONT - OT-50.XX (NOTE 1, 2)
S4	LED AREA LUMINAIRE CW 27300 DELIVERED LUMENS, 70 CRI, NATURAL ALUMINUM FINISH, TYPE 4 DISTRIBUTION, HOUSE SIDE SHIELD, MAX EPA = 1.1 SQUARE FEET, MAX WEIGHT = 35 LBS AND ROUND POLE MOUNTING. 50" TAPERED OCTAGONAL GALVANIZED STEEL POLE COMPLETE WITH BASE PLATE, HAND HOLE AND ANCHOR BOLTS.	347V	232W LED 4000K	LITHONIA - DSX2 100C 700 40K T4M 347 RPA HS DNAXD NOVA POLE: NST 50 PHI-GARCCO - ECF-S-64L-1A-NW-G2-AR-2-UNV-DD-MGY (NOTE 1, 2) VALMONT - OT-50.XX (NOTE 1, 2)
S5	LED AREA LUMINAIRE CW 28500 DELIVERED LUMENS, 70 CRI, NATURAL ALUMINUM FINISH, TYPE 5 SHORT DISTRIBUTION, MAX EPA = 1.1 SQUARE FEET, MAX WEIGHT = 35 LBS AND ROUND POLE MOUNTING. 50" TAPERED OCTAGONAL GALVANIZED STEEL POLE COMPLETE WITH BASE PLATE, HAND HOLE AND ANCHOR BOLTS.	347V	232W LED 4000K	LITHONIA - DSX2 100C 700 40K T5S 347 RPA DNAXD NOVA POLE: NST 50 PHI-GARCCO - ECF-L-80L-1A-NW-G2-AR-5-UNV-DD-MGY (NOTE 1, 2) VALMONT - OT-50.XX (NOTE 1, 2)

NOTES:

1. APPROVED EQUAL IN ACCORDANCE WITH SECTION B7.
2. DELIVERED LUMENS, WATTAGE AND CRI IN DESCRIPTION ARE BASED ON ORIGINAL SPECIFIED PRODUCT.

EMERGENCY LIGHTING SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	LAMPS	DESIGN BASICS
E1	SINGLE/DOUBLE SIDED, UNIVERSAL MOUNT, STEEL RUNNING MAN EXIT SIGN CW WHITE FINISH, CSA C22.2 #141.15 AND C860 CERTIFIED.	UNV	1.9W LED	AIMLITE - RPST U M WHT - UNVDC BEGHELLI - SLRML-U-M-UDC (NOTE 1, 2) EMERGLITE - ES3WJ (NOTE 1, 2)
E2	SINGLE/DOUBLE SIDED, WALL MOUNT, NEMA 4X, POLYCARBONATE RUNNING MAN EXIT SIGN CW GRAY FINISH, CSA C22.2 #141.15 AND C860 CERTIFIED.	UNV	1.9W LED	AIMLITE - RPWP 1 W GRAY UNVDC BEGHELLI - AQ-RML1-OLR-W-UDC (NOTE 1, 2) EMERGLITE - EN1WJ (NOTE 1, 2)
E3	EMERGENCY BATTERY UNIT CW 12VDC OUTPUT, 160W BATTERY (30MIN RUNTIME), GRAY FINISH, AUTO DIAGNOSTICS, 4 ZONE INTERNAL VOLTAGE SENSING RELAYS, DC TERMINAL BLOCK AND CSA C22.2 #141.15 CERTIFIED	120V	2.5W MR16 LED	AIMLITE - EB0T - 12160 0 2MH 5LA GRAY ATD, TLP, DCT BEGHELLI - AQ-U-13-185-SEA28W12V/AT-TLP-ZSP (NOTE 1, 2) EMERGLITE - 12ESLK200ULNWBACDOWPLI // 1ZCB4Z1U1PK (NOTE 1, 2)
E4	DUAL EMERGENCY HEADS, SURFACE MOUNT CW WHITE FINISH AND CSA C22.2 #141.15 CERTIFIED.	6-24VDC	2.5W MR16 LED	AIMLITE - RMMG 2 - 06-24 5W LA WHT BEGHELLI - BTMR2-SW12V-LED-WH (NOTE 1, 2) EMERGLITE - EF150D-LUC (NOTE 1, 2)
E5	DUAL WEATHER PROOF EMERGENCY HEADS, SURFACE MOUNT CW GRAY FINISH AND CSA C22.2 #141.15 CERTIFIED.	6-24VDC	2.5W MR16 LED	AIMLITE - RMWP 2 - 06-24 5W LA GRAY BEGHELLI - WR-2-SW-12V LED (NOTE 1, 2) EMERGLITE - EF38PDM-G-U (NOTE 1, 2)

LOCATION APPROVED UNDERGROUND STRUCTURES

SUP. U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.	NO.	REVISIONS	DATE	BY
	1	RE-ISSUED FOR TENDER	17/04/25	[Signature]
	0	ISSUED FOR TENDER	17/03/14	CLS

KGS GROUP CONSULTING ENGINEERS

DESIGNED BY	CLS	CHECKED BY	CPS
DRAWN BY	SDC	APPROVED BY	CLS
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:	AS NOTED	DATE	16/08/17

ENGINEER'S SEAL

PROVINCE OF MANITOBA
CL SARARAS
Member
32816
Professional Engineer

CONSULTANT PROJECT NO.
16-0107-010

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

Winnipeg

PROJECT TITLE
4R WINNIPEG DEPOT
EAST WINNIPEG COMMUNITY RESOURCE RECOVERY CENTRE
LUMINAIRE SCHEDULE

SHEET OF
34 OF 41

COMPUTER FILE NAME
16-0107-010

CONSULTANT DRAWING NUMBER
E09

APEGM
Certificate of Authorization
KGS Group
No. 245