

LUMINAIRE SCHEDULE (NOTES 1,3,4 & 5)				
TYPE	DESCRIPTION	VOLTAGE	LAMPS	DESIGN BASICS
A	1' X 4' RECESSED DIRECT/INDIRECT FLUORESCENT FIXTURE C/W PERFORATED METAL DIFFUSER, OPEN SLOT, PROGRAMMED START BALLAST AND WHITE FINISH.	120V	2L - 28W T5 4100°K	PHILIPS LIGHTOLIER - QHE 1 G PFOS 2 28 UNV PG (ALTER)
C	4' SURFACE MOUNT FLUORESCENT WALL CUBE C/W OPAL LENS, PROGRAMMED START BALLAST AND WHITE FINISH.	120V	2L - 28W T5 4100°K	PHILIPS/PHILIPS CFI - CS W 2 28WT5 - 120 PG ZO (CUBELITE)
D	5" RECESSED LED POT LIGHT C/W DRYWALL KIT, 1023 LUMEN OUTPUT, POLISHED FLANGE/BAFFLE AND ELV DIMMABLE DRIVER.	120V	1 - 20W LED 3500°K	PHILIPS LIGHTOLIER - 1050LRNLDLCPD (TRIM KIT) PHILIPS LIGHTOLIER - 1050LRN09D1 (FRAME IN KIT) PHILIPS LIGHTOLIER - 1050LRN0935 (LED LIGHT ENGINE)
F	LIGHT FIXTURE 22"X22" EXTERIOR HID FLOODLIGHT C/W ALUMINUM HOUSING, TEMPERED LENS, ANODIZED REFLECTOR, IES BEAM DISTRIBUTION 6H X 6V, DARK BRONZE FINISH, PULSE START BALLAST, VANDAL SHIELD, SLIP FITTER (ADJUSTABLE TENON MOUNT), AND BLACK TOP VISOR. POLE 30'-0" TAPERED OCTAGONAL STEEL POLE C/W DARK BRONZE FINISH, 2" STANDARD TENON AND 4"X7" COVERED HAND HOLE.	208V	1L - 1000W MH	LIGHT FIXTURE PHILIPS - PF 5 A 1000 PLNW '8Hx6V' PS L - 2 (PENTA FLOOD) PHILIPS - PF 5 - TV (TOP VISOR) PHILIPS - PG 5 - VS (VANDAL SHIELD) POLE VALMONT: MFP30
G	5" HID JAM JAR FIXTURE C/W WIRE GUARD AND OLD BRONZE FINISH.	120V	1 - 50W MH	PREMIER LIGHTING LTD. - BP52751 CL-50MH 120V OLD BRZ
H	2' X 4' FLUORESCENT HIGH BAY FIXTURE C/W CONTOURED SPECULAR REFLECTOR, WHITE WIRE GUARD AND ONE TWO LAMP/ONE 4 LAMP PROGRAMMED START BALLAST.	120V	6L - 54W T5HO 4100°K	PHILIPS CFI - FGL 6 54HO-120-MC-2/4PG-WG
J	4' FLUORESCENT INDUSTRIAL STRIP C/W WHITE FINISH, PROGRAMMED START BALLAST, REFLECTOR AND WIRE GUARD.	120V	2-28W T5 4100°K	PHILIPS CFI - SV4 S 228 UNV PG PHILIPS CFI - SV5 R1 W 4SSL/D (REFLECTOR) PHILIPS CFI - SV5 GXG4 (WIRE GUARD)
K	2' X 4' RECESSED FLUORESCENT TROFFER C/W 1/8" SMOOTH ACRYLIC LENS AND PROGRAMMED START BALLAST.	120V	2-28W T5 4100°K	PHILIPS CFI - 2 TG8 2 28WT5 - 12 - 120 - PG (CLEANGUARD)
L	4' FLUORESCENT FIXTURE C/W CORRUGATED REGRESSED TRIM FIRST LENS, PROGRAMMED START BALLAST, DRYWALL KIT AND WHITE FINISH.	120V	1L - 28W T5 4100°K	FOCAL POINT - FAVB CR 1T5 1C 120 S F WH
M	FIXTURE 24" LED AREA LIGHTING FIXTURE C/W DIE CAST ALUMINUM HOUSING, TYPE II DISTRIBUTION, DIFFUSED FLAT GLASS LENS, STONE GUARD, FULL CUTOFF OPTICS, AND TEXTURED DARK BRONZE FINISH. POLE 16" ROUND STEEL POLE C/W DARK BRONZE FINISH AND 2-3/8" X 4" VERTICAL TENON.	120V	90W LED 4000°K	LIGHT FIXTURE PHILIPS LIGHTOLIER - OP2L-49-2L-120-PTTR-SG-TDB POLE VALMONT: 4RS-16'-0382-X-X
N	12" SURFACE MOUNT LED FIXTURE C/W 1613 LUMEN OUTPUT, 36° BEAM ANGLE, FROSTED TEMPERED GLASS, ELV DIMMABLE DRIVER, AND WHITE FINISH.	120V	50W LED 2700°K	PHILIPS - 523-000069-04 (eW BLAST POWER CORE)
P1	4' DIRECT / INDIRECT FLUORESCENT FIXTURE C/W FLAT MICROGROOVE ACRYLIC DIFFUSER (70% DOWN / 30% UP), SINGLE CIRCUIT SWITCHING, PROGRAMMED START BALLAST AND MATTE SATIN WHITE FINISH.	120V	2L - 28W T5 4100°K	FOCAL POINT- FVRS ACF DR4 2T5 1C 120 S WH 4'
P2	4' DIRECT / INDIRECT FLUORESCENT FIXTURE C/W FLAT MICROGROOVE ACRYLIC DIFFUSER (70% DOWN / 30% UP), DIMMABLE 0-10VDC BALLAST AND MATTE SATIN WHITE FINISH.	120V	2L - 28W T5 4100°K	FOCAL POINT- FVRS ACF DR4 2T5 1C 120 D WH 4'
S2	FIXTURE PARKING LOT LED SHOE BOX FIXTURE C/W TYPE II DISTRIBUTION, TEXTURED DARK BRONZE FINISH AND 21,000 LUMEN OUTPUT. POLE 20'-0" TAPERED OCTAGONAL STEEL POLE C/W DARK BRONZE FINISH, 2" STANDARD TENON AND 4"X7" COVERED HAND HOLE.	120V	278W LED 4000°K	LIGHT FIXTURE PHILIPS KEENE - LPP 2C 4K 2 A 1 P (LYTEPRO PLUS) POLE VALMONT: 4RH-20-X-X
S3	FIXTURE PARKING LOT LED SHOE BOX FIXTURE C/W TYPE III DISTRIBUTION, TEXTURED DARK BRONZE FINISH AND 21,000 LUMEN OUTPUT. POLE 20'-0" TAPERED OCTAGONAL STEEL POLE C/W DARK BRONZE FINISH, 2" STANDARD TENON AND 4"X7" COVERED HAND HOLE.	120V	278W LED 4000°K	LIGHT FIXTURE PHILIPS KEENE - LPP 2C 4K 3 A 1 P (LYTEPRO PLUS) POLE VALMONT: 4RH-20-X-X
S3-H	FIXTURE PARKING LOT LED SHOE BOX FIXTURE C/W TYPE III DISTRIBUTION, TEXTURED DARK BRONZE FINISH, HOUSE SIDE SHIELD AND 21,000 LUMEN OUTPUT. POLE 20'-0" TAPERED OCTAGONAL STEEL POLE C/W DARK BRONZE FINISH, 2" STANDARD TENON AND 4"X7" COVERED HAND HOLE.	120V	278W LED 4000°K	LIGHT FIXTURE PHILIPS KEENE - LPP 2C 4K 3 A 1 P H4 (LYTEPRO PLUS) POLE VALMONT: 4RH-20-X-X
S4	FIXTURE PARKING LOT LED SHOE BOX FIXTURE C/W TYPE IV DISTRIBUTION, TEXTURED DARK BRONZE FINISH AND 21,000 LUMEN OUTPUT. POLE 20'-0" TAPERED OCTAGONAL STEEL POLE C/W DARK BRONZE FINISH, 2" STANDARD TENON AND 4"X7" COVERED HAND HOLE.	120V	278W LED 4000°K	LIGHT FIXTURE PHILIPS KEENE - LPP 2C 4K 4 A 1 P (LYTEPRO PLUS) POLE VALMONT: 4RH-20-X-X
V	4' VAPOUR TIGHT FLUORESCENT FIXTURE C/W POLY CARBONATE LENS, PROGRAM START BALLAST AND STAINLESS STEEL CLIPS	120V	2L - 28W T5 4100°K	GVA LIGHTING - FAD PC 2 28 120 PH SS
W	4' SURFACE WRAP C/W PROGRAM START BALLAST AND WHITE FINISH	120V	2L - 28W T5 4100°K	PHILIPS CFI - TH Z28T5 120 PG (THE DIRECTOR)
WL2	12" ARCHITECTURAL LED WALL SCONCE C/W 5,700 LUMEN OUTPUT, TYPE II DISTRIBUTION, TEMPERED GLASS LENS, TITANIUM FINISH AND FULL CUTOFF OPTICS.	120V	71W LED 4000°K	PHILIPS KEENE - LP32-T (LYTEPRO32)
WL3	12" ARCHITECTURAL LED WALL SCONCE C/W 5,700 LUMEN OUTPUT, TYPE III DISTRIBUTION, TEMPERED GLASS LENS, TITANIUM FINISH AND FULL CUTOFF OPTICS.	120V	71W LED 4000°K	PHILIPS KEENE - LP32-T (LYTEPRO32)
WS2	7" ARCHITECTURAL LED WALL SCONCE C/W 555 LUMEN OUTPUT, TYPE III DISTRIBUTION, TITANIUM FINISH AND FULL CUTOFF OPTICS.	120V	13W LED 4000°K	PHILIPS KEENE - LP7-T (LYTEPRO7)

EMERGENCY LIGHTING EQUIPMENT SCHEDULE (NOTE 1)				
TYPE	DESCRIPTION	VOLTAGE	LAMPS	DESIGN BASICS
E1	RUNNING MAN EXIT LIGHT COMPLIANT WITH CSA C860 C/W EXTRUDED ALUMINUM CONSTRUCTION, WHITE FINISH, UNIVERSAL MOUNT, TAMPER PROOF SCREWS AND SINGLE SIDED.	UNV	LED	EMERGH-LITE - ES-1-W-U-TP
E2	RUNNING MAN EXIT LIGHT COMPLIANT WITH CSA C860 C/W EXTRUDED ALUMINUM CONSTRUCTION, WHITE FINISH, UNIVERSAL MOUNT, TAMPER PROOF SCREWS AND DOUBLE SIDED.	UNV	LED	EMERGH-LITE - ES-2-W-U-TP
E3	REMOTE EMERGENCY LIGHT C/W DUAL HEADS, SURFACE MOUNT, WHITE FINISH, POLYCARBONATE COVER AND ADJUSTABLE AIM POSITION.	12VDC	2-5W LED	EMERGH-LITE - EF40M-D-L
E4	EMERGENCY BATTERY UNIT C/W SOLID-STATE PULSE-TYPE CHARGER, TRANSFER RELAY, TEST SWITCH, LED INDICATOR LIGHTS, 360W BATTERY, 12VDC OUTPUT, DUAL LIGHTING HEADS, AUTO TEST, CABTIRE WITH TWIST-LOCK PLUG, CSA C22.2 NO.141 CERTIFIED, AC/DC TERMINAL BLOCK AND INTEGRAL 10 ZONE SENSING RELAY.	120VAC	2-5W LED	EMERGH-LITE - 12ESL360-CTLW/P/TB/U/TBAC EMERGH-LITE - ZCB-10-15-120V-INT (ZONE SENSING RELAY)

RELAY PANEL R1 (NOTE 2)

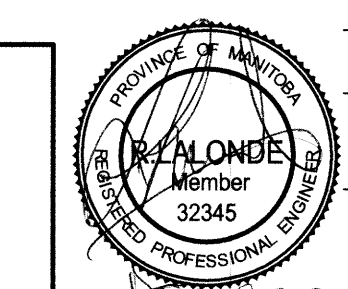
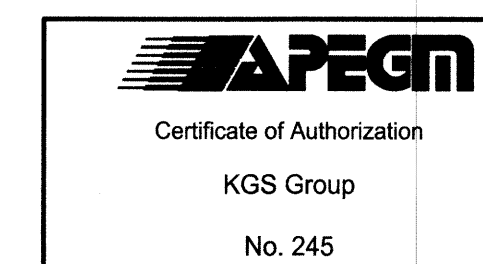
ROOM NUMBER	DESCRIPTION	CIRCUIT NUMBER	RELAY NUMBER	LOCAL SWITCH	MASTER SWITCH	TIMER	OTHER	OTHER	TIMER	MASTER SWITCH	LOCAL SWITCH	RELAY NUMBER	CIRCUIT NUMBER	DESCRIPTION	ROOM NUMBER
-	GYMNASIUM (NOTE 6)	LP-9	1	LV1	-	TC	-	-	TC	-	LP-2	13	-	SITE	-
-	GYMNASIUM (NOTE 6)	LP-11	2	LV1	-	TC	-	-	TC	-	-	14	-	HOCKEY RINK	-
-	GYMNASIUM (NOTE 6)	LP-13	3	LV2	-	TC	-	-	TC	-	LP-4	15	-	BUILDING EXTERIOR	-
-	GYMNASIUM (NOTE 6)	LP-15	4	LV2	-	TC	-	-	TC	-	LP-16	16	-	PARKING LOT	-
-	SPARE	-	5	-	-	-	-	-	TC	-	LP-18	17	-	PARKING LOT	-
-	SPARE	-	6	-	-	-	-	-	-	-	-	18	-	SPARE	-
-	MULTI-PURPOSE ROOM POT LIGHTS (NOTE 8)	LP-10	7	LV5	-	TC	-	-	-	-	-	19	-	SPARE	-
-	GYMNASIUM SOCIAL LIGHTING (NOTE 8)	LP-17	8	LV3	-	TC	-	-	-	-	-	20	-	SPARE	-
-	CORRIDOR AND W/C LIGHTING	LP-6	9	LV4	-	TC	-	-	-	-	-	21	-	SPARE	-
-	CORRIDOR AND W/C LIGHTING	LP-8	10	LV4	-	TC	-	-	-	-	-	22	-	SPARE	-
-	MULTI-PURPOSE ROOM FLUORESCENTS (NOTE 6)	LP-10	11	LV4	-	TC	-	-	-	-	-	23	-	SPARE	-
-	SPARE	-	12	-	-	-	-	-	-	-	-	24	-	SPARE	-

NOTES:

- ALL LIGHTS ARE TO BE PROVIDED WITH ALL ACCESSORIES INCLUDING MOUNTING HARDWARE FOR A COMPLETE INSTALLATION WITH NO ADDITIONAL COST TO THE CITY.
- PROVIDE A 24-ZONE WATT STOPPER 'LILM' SERIES LIGHTING CONTROL PANEL (LILM24).
- COORDINATE EXACT FIXTURE LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
- PROVIDE LIGHTING PHOTOMETRICS CALCULATIONS, COMPLETE WITH LIGHTING POWER DENSITIES AND LIGHT LOSS FACTOR, REFLECTANCES AND FOOT CANDLES FOR ALL EQUIVALENT FIXTURES.
- CONTRACTOR OR ESTIMATOR TO COORDINATE LIGHTING PACKAGE WITH SAM NOBRE AT ISTD (PHONE: 204-779-5747 ext. 3).
- GYMNASIUM NIGHT LIGHTS ARE TO BE INTERLOCKED, WITHIN THE LIGHTING CONTROL PANEL, WITH THE GYMNASIUM LIGHTING SUCH THAT NEITHER SYSTEM OPERATES AT THE SAME TIME.
- PROVIDE A RELAY WITH 0-10VDC DIMMING.
- PROVIDE A RELAY WITH COMPATIBLE ELECTRONIC LOW DIMMING (ELD).
- ALL LIGHTING TO MEET MANITOBA POWER SMART STANDARDS.

RELAY PANEL LEGEND:

- DL = DAYLIGHT SENSOR
LVS = LOW VOLTAGE SWITCH
OC = OCCUPANCY SENSOR
PC = PHOTOCCELL
TC = TIMECLOCK



Sheet No: E301

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Design By: CLS
Date: 2013/09/27
Design Check: GJN
Date: 2013/12/05
Drawn By: GJN
Date: 2013/09/27
DWG Check: GJN
Date: 2013/12/05

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Drawing Title:
SCHEDULES
SHEET 2

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WINNIPEG, MB

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