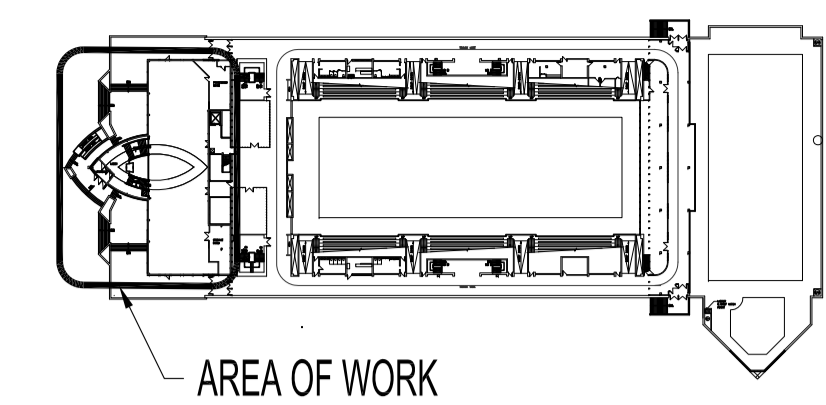


ABBREVIATIONS	
	DESCRIPTION
A	AMPERE, AMPACITY
AC	ABOVE COUNTER
ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISH FLOOR
AP	ACCESS POINT (NETWORK)
CCT	CIRCUIT, CCT: C-PANEL; CT= CIRCUIT
D	DEMOLITION, REMOVE BACK TO SOURCE
DED	DEDICATED CIRCUIT
DS	DOOR SWITCH
DSW	DISCONNECT SWITCH
DWG	DRAWING
DW	DISHWASHER
E	EXISTING OR 'NO DESIGNATION'
ES	ELECTRIC STRIKE/SECURITY RELEASE
FMS	FACILITY MANAGEMENT SYSTEM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
JB	JUNCTION BOX
M	METRE
MD	MOTION DETECTOR
MW	MICROWAVE
N	NEW (SUPPLY & INSTALL)
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON COUNTER
OS	OCCUPANCY SENSOR
OWSJ	OPEN WEB STEEL JOIST
PNL	PANEL
PTL	PUSH-TO-LOCK
R	RELOCATED LOCATION & REUSE
RECP.T.	RECEPTACLE
SW	SWITCH
TBD	TO BE DETERMINED
TYP.	TYPICAL
UIS	UNDERSIDE
V	VOLT
W	WATT

ELECTRICAL LEGEND	
PROVIDE WHEN INDICATED AS NEW, 'N'.	
TYPE	DESCRIPTION
⊖	DUPLEX RECEPTACLE
⊕	HEIGHT IN INCHES ABOVE FINISH FLOOR TO CENTERLINE OF DEVICE
⊕ ₂	2-GANG DUPLEX RECEPTACLE
⊕ _{2A}	DUPLEX RECEPTACLE WITH (2) 2A USB 2.2 & 3.0 CAPABLE
⊕ _{2GF}	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE
⊕	LIGHT SWITCH, SINGLE POLE
⊕ _{OS}	OCCUPANCY SENSOR SWITCH WITH AUTO-ON & AUTO-OFF, WHITE
DS	PUSH PLATE (36") ACTUATOR SWITCH FOR AUTOMATIC DOOR OPERATOR
OS	CEILING MOUNT OCCUPANCY SENSOR
DSW	DISCONNECT SWITCH
⊕ _{ADP}	AUTOMATIC DOOR OPERATOR
⊕	JUNCTION BOX
⊕	DIRECT CONNECTION (CEILING MOUNTED)
⊕	FIRE ALARM MANUAL PULL STATION
⊕	FIRE ALARM BELL
⊕	FIRE ALARM STROBE SIREN
⊕	HEAT DETECTOR
⊕	SPEAKER
⊕	DATA PORT
⊕	VOICE (PHONE) PORT
⊕ ₂	2-PORT FACEPLATE; PHONE PORT (SHADED) & DATA PORT
CAB-1	EIA COMPLIANT 19" WALL MOUNT RACK WITH 48-PORT PATCH PANEL. REFER TO DATA CABLING SPECIFICATION DRAWING E7.
⊕	KEY PAD/DISPLAY - SECURITY
⊕	KEY SWITCH - SECURITY
⊕	HORN - SECURITY
⊕	MOTION DETECTOR- SECURITY
⊕	ELECTRICAL PANEL
⊕	LIGHTING PANEL
⊕	NETWORK ACCESS POINT
⊕	EMERGENCY BATTERY UNIT WITH DUAL HEADS
⊕	EMERGENCY DUAL HEAD LIGHTS
⊕	THERMOSTAT
⊕	CALL FOR ASSISTANCE PACKAGE, EDWARDS CATALOG No. 6538-65, CONTAINS PULL CORD SWITCH (TO BE REFITTED WITH AIRPHONE NHR-7A CALL STATION (PULL CORD SWITCH), RESETABLE (CAT. No. 6537), HORN/STROBE (CAT. No. 6536-65), & TRANSFORMER (CAT. No. 592).
⊕	ELECTRIC STRIKE, HES 5000 WITH 501 FACEPLATE, PLATED
⊕	DOOR CONTACT - FLUSH MOUNT, GE MODEL # 1076CW

LUMINAIRE, SWITCH & LIGHTING CONTROL SCHEDULE				
TYPE	MANUFACTURER	CATALOGUE No.	LAMP	DESCRIPTION
A	(NEW) JUNO ARC XL LED	T275L-3HC-F-BL	LED 1855 LUMENS, 3000K	(4) 26W, 120V LED TRAC FIXTURES, FLOOD BEAM SPREAD ON 12 FEET HD COMMERCIAL 2-CIRCUIT/2-NEUTRALTRAC (JUNO TEK412-BL) WITH END FEED (JUNO TEK11-BL), COLOUR - BLACK.
Aa	(NEW) JUNO ARC XL LED	T275L-3HC-F-BL	LED 1855 LUMENS, 3000K	(6) 26W, 120V LED TRAC FIXTURES, FLOOD BEAM SPREAD ON (2) 8 FEET HD COMMERCIAL 2-CIRCUIT/2-NEUTRALTRAC (JUNO TEK48-BL, QTY:2) WITH MINIATURE STRAIGHT CONNECTOR (TEK21) & END FEED (JUNO TEK11-BL), COLOUR - BLACK.
⊕	(NEW) JUNO ARC XL LED	T275L-3HC-N-WH	LED 1855 LUMENS, 3000K	26W, 120V LED TRAC FIXTURE, NARROW FLOOD BEAM SPREAD. MOUNT TO RECESSED JUNCTION BOX WITH FINISH FACE PLATE. COLOUR - WHITE.
⊕	(NEW) JUNO INDY	L8-45351-G3-NL	LED 4500 LUMENS, 3500K	8" LED SILENT CEILING DOWNLIGHT, 120V, WITH nLIGHT DIMMING PACK, HYPERBOLIC OPEN APERTURE, TRIM L800H-WTS-FM, HANGER BAR HB-HL, COLOUR - WHEAT
⊕	(NEW) JUNO INDY	L8-45351-G3-NL	LED 4500 LUMENS, 3500K	8" LED SILENT CEILING DOWNLIGHT, 120V, WITH nLIGHT DIMMING PACK, HYPERBOLIC OPEN APERTURE, TRIM L800H-WTS-FM, HANGER BAR HB-HL, COLOUR - WHEAT. WIRE TO NIGHTLIGHT CIRCUIT.
⊕	(NEW) JUNO INDY	L6-1730U-G3-NL	LED 1700 LUMENS, 3000K	6" LED SILENT CEILING DOWNLIGHT, 120V, WITH nLIGHT DIMMING PACK, HYPERBOLIC OPEN APERTURE, TRIM L800H-WTS, HANGER BAR HB-HL, COLOUR - WHEAT.
⊕	(NEW) JUNO GEN2	2LEDTG2A-930F-HZWH	LED 600 LUMENS, 3000K	2" IC LED ROUND ADJUSTABLE GIMBAL, 90CRI, HANGER, 40 DEGREE FLOOD BEAM OPTIC WITH DRIVER 2LEDDRVG2-6-INVOLT
⊕	(NEW) FINELITE	HP4-WW-R-K-8-V-9-30-120V-VF-SO	LED 2724 LUMENS, 3000K	WALL WASH RECESSED LED, 4" APERTURE x 6FEET LONG, WITH KICKER REFLECTOR, ASYMMETRICAL DISTR., 90 CRI, VISIBLE FLANGE, 120V.
⊕	(NEW) LITHONIA	ZBLT2 33L ADP EZ1 LP840 N100	LED 3300 LUMENS, 4000K	2X2' VOLUMETRIC RECESSED LED LUMINAIRE, DIFFUSER - CURVED LINEAR PRISMS, DIMS TO 1%, nLIGHT W/O LUMEN MANAGEMENT
⊕	(NEW) LITHONIA	ZBLT2 33L ADPT EZ1 LP840 N100 NESPD7	LED 3300 LUMENS, 4000K	2X2' VOLUMETRIC RECESSED LED LUMINAIRE, DIFFUSER WITH TRIM RINGS CURVED LINEAR PRISMS, DIMS TO 1%, nLIGHT W/O LUMEN MANAGEMENT & DUAL INTEGRAL OCCUPANCY CONTROL (PIR & MICROPHONICS)
⊕	(NEW) LITHONIA	ZL1N L96 14000LM FST MVOLT 30K 80CRI MB NPP16D	LED 14000 LUMENS, 3000K	96" LED STRIPLIGHT, SNAP-ON FROSTED DIFFUSER, MVOLT, PLUG-IN WIRING, nLIGHT SWITCHING/DIMMING MODULE
⊕	(NEW) LITHONIA	LBL4 LP835	LED 4600 LUMENS, 3500K	LED WRAPAROUND LOW-PROFILE CURVED BASKET WITH HANGERS, PATTERNED #12 ACRYLIC LENS, 120-277V, 41 WATTS
CAT 5e POD	(NEW) ACUITY CONTROLS	NPOD GFX WH		GRAPHIC WALLPOD USER CONTROL FOR nLIGHT LIGHTING, PS-150 POWER SUPPLY INCLUDED, 120V, (2) RJ45 PORTS, WHITE
CAT 5e DIM	(NEW) ACUITY CONTROLS	NPODM DX WH		WALL MOUNTED SINGLE CHANNEL DIMMER, ON/OFF + RAISE/LOWER CONTROL, nLIGHT NETWORK PORTS, WHITE
⊕ _{CLNG}	(NEW) ACUITY CONTROLS	nCM PDT 10 RJB		OCCUPANCY SENSOR, CEILING MOUNT, DUAL TECH (PIR/MICROPHONICS), LARGE MOTION 360°, REAR RJ45, WHITE, nLIGHT
⊕ _{CLNG}	(NEW) ACUITY CONTROLS	CMR PDT 9 LT		OCCUPANCY SENSOR, CEILING MOUNT, DUAL TECH (PIR/MICROPHONICS), SMALL MOTION 360°, LOW TEMP/HIGH HUMIDITY, WHITE, 120V
⊕ _{OS-3}	(NEW) ACUITY CONTROLS	WSX PDT		WALL SWITCH SENSOR WITH COVER, DUAL INTEGRAL OCCUPANCY CONTROL (PIR & MICROPHONICS), 120/277VAC, WHITE
⊕	(NEW) ACUITY CONTROLS	nPP16 D		POWER/RELAY PACK, 16A MAX. LOAD, 120/277VAC, WITH 0-10VDC DIMMING OUTPUT (VIA CHASE NIPPLE)
⊕ _{B1P1}	(NEW) ACUITY CONTROLS	nBRG 8		8-PORT nLIGHT BRIDGE, (8) RJ-45 PORTS, INPUT 15-24 VAC/VDC, INPUT CURRENT 60mA, MOUNT TO 4"x4" SQUARE BOX. B1P1 DENOTES: "B1" (BRIDGE 1), "P1" (PORT 1)
⊕ _{GWY01}	(NEW) ACUITY CONTROLS	nGWY2		CLOCK & NETWORK INTERFACE CONTROLLER, (2) nLIGHT BUS PORTS (RJ-45), (1) TOUCH SCREEN INTERFACE PORT (RJ-45), 10/100/1000 BaseT ETHERNET, (2) POWER TERMINAL INPUTS, INPUT CURRENT/VOLTAGE 160 mA @ 15-28 VDC, MOUNT CONTROL UNIT TO 4"x4" SQUARE BOX. GWY01 DENOTES: "GWY01" (GATEWAY 1)

ALL NEW LIGHTING LUMINAIRES AND COMPONENTS SHALL BE MANITOBA HYDRO POWER SMART APPROVED.



KEY PLAN SCALE: N.T.S.

ELECTRICAL	
SHEET No:	SHEET TITLE
E1	ELECTRICAL: ABBREVIATIONS, LEGENDS, SYMBOLS, SCHEDULES
E2	FLOOR PLAN: DEMOLITION; POWER, DATA, COMMUNICATIONS
E3	FLOOR PLAN: RENOVATION; POWER, DATA, COMMUNICATIONS
E4	REFLECTED CEILING PLAN: DEMOLITION; LIGHTING
E5	REFLECTED CEILING PLAN: RENOVATION; LIGHTING
E6	ELECTRICAL PANEL SCHEDULES
E7	ELECTRICAL SPECIFICATIONS: POWER, DATA AND COMMUNICATION

NOTES:
 THESE DRAWINGS SHALL NOT BE SCALED. CONSULT WITH CLIENT AND DESIGNER ON ANY CONCERNS.
 ALSO REFER TO ELECTRICAL SPECIFICATIONS.
 SUBMISSION OF SITE MARK-UPS, AS-BUILTS, OPERATING & MAINTENANCE MANUALS AND OTHER SUPPORTING DOCUMENTS TO CLIENT ARE MANDATORY AT THE COMPLETION OF THIS PROJECT.
 THE CONTRACTOR SHALL VISIT THE SITE AND ENSURE ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.
 THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCTS, PIPES & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.
 ALL OPENINGS THROUGH FIRE ASSEMBLIES INCLUDING FLOORS AND CEILINGS ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A SMOKE-TIGHT BARRIER.
 ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS, APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION.
 THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING PART OF THE RENOVATION WORK.
 FOR BLACK WALLS, COMMERCIAL DUTY DUPLEX RECEPTACLES SHALL BE BLACK "DECORA" STYLE, USB OR NON-USB, CSA APPROVED WITH BLACK FACE PLATES MOUNTED 18" ABOVE FINISHED FLOOR OR OTHERWISE NOTED.
 FOR NON-BLACK WALLS, COMMERCIAL DUTY DUPLEX RECEPTACLES SHALL BE WHITE "DECORA" STYLE, USB OR NON-USB, CSA APPROVED WITH STAINLESS STEEL FACE PLATES MOUNTED 18" ABOVE FINISHED FLOOR OR OTHERWISE NOTED.
 LIGHT SWITCHES SHALL BE WHITE "DECORA" STYLE WITH STAINLESS STEEL FACE PLATES MOUNTED 42" ABOVE FINISHED FLOOR OR OTHERWISE NOTED.
 PROVIDE DYNA LABELS ON ALL SWITCHES, PORTS & RECEPTACLES. PANEL SCHEDULE SHALL BE RETYPED TO REFLECT AS-BUILT CONDITIONS & INSERTED TO INSIDE OF ASSOCIATED PANEL DOOR SLEEVE PROTECTOR.
 ALL ABANDONED (KNOWN & UNKNOWN) ELECTRICAL FIXTURES, COMPONENTS, RECEPTACLES & DATA CABLING SHALL BE REMOVED BACK TO SOURCE & TERMINATED AS PER APPLICABLE CODES. IF APPLICABLE, THIS INCLUDES WIRING CONTAINED IN HEADER DUCTS IN-FLOOR.
 RECONNECT & TEST ALL FIRE PREVENTION EQUIPMENT.
WARNING:
 ASBESTOS MAYBE PRESENT BEHIND WALLS, CEILING SPACE & FLOORS. IF ASBESTOS & ANY HAZARDOUS MATERIAL IS FOUND, STOP WORK IMMEDIATELY & CONTACT CITY OF WINNIPEG, CENTRAL CONTROLS, PH: 204-986-2351.

No.	REVISION/DESCRIPTION	BY	DATE
1	ISSUED FOR ADDENDUM No:1	DTA	2016.12.09
0	ISSUED FOR CONSTRUCTION.	DTA	2016.11.28



DRAWN DATE	CHECKED USER	DESIGNED DATE	APPROVED
DTA	2016.11.18	DTA	

THE CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3-65 GARRY STREET, R3C 4K4

PROJECT
 AQUATIC HALL OF FAME MUSEUM
 ROYAL GALLERY SPACE RESTORATION

25 POSEIDON BAY

SHEET TITLE
 ELECTRICAL
 ABBREVIATIONS, LEGENDS, SYMBOLS
 SCHEDULES

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2014-148	E1R1