

COMMUNICATIONS	
SYMBOL	DESCRIPTION
	DATA VOICE OUTLET (K - INDICATES CABLE QTY)
	ENTRYPHONE INTERCOM OUTLET (1 CABLE)
	CATV OUTLET (1 CABLE)
	WALL MOUNTED HORN
	SUITE TEL/DATA DEMARCATION
	SUITE TV DEMARCATION
SECURITY AND CONTROL	
	DOOR HELD OPEN BUZZER
	AUTOMATIC DOOR OPERATOR
	PUSHBUTTON
	REQUEST TO EXIT PUSHBUTTON
	DOOR CONTACT
	ELECTRIFIED DOOR STRIKE
	ELECTRIFIED DOOR LOCK
	ELECTRIFIED DOOR PINSLATCH
	PROXIMITY CARD READER
	KEYPAD
	GLASS BREAK SENSOR
	SECURITY HORN
	SECURITY STROBE
	PIR MOTION SENSOR
	PHOTOCELL RECEIVER
	PHOTOCELL TRANSMITTER
	CCVE CAMERA - PAN/TILT/ZOOM
	CCVE CAMERA - FIXED VIEW
	CCVE DIGITAL VIDEO RECORDER
	CCVE NETWORK VIDEO RECORDER
	INFRARED ILLUMINATOR
	PUSH BUTTON CONTROL STATION
	LINE VOLTAGE THERMOSTAT
FIRE ALARM	
SYMBOL	DESCRIPTION
	FIRE ALARM PULL STATION
	FIRE ALARM HORN
	FIRE ALARM STROBE
	FIRE ALARM HORN/STROBE
	SPRINKLER FLOW SWITCH
	SPRINKLER TAMPER SWITCH
	SMOKE ALARM
	SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	HEAT DETECTOR
	CARBON MONOXIDE DETECTOR
	ISOLATION MODULE
	ADDRESSABLE MONITORING MODULE
	RELAY ADDRESSABLE MODULE
	FIRE ALARM REMOTE ANNUNCIATOR
	FIRE ALARM CONTROL PANEL
	END OF LINE RESISTOR
	REMOTE CONTACT

POWER	
SYMBOL	DESCRIPTION
	CEILING MOUNTED DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	QUADPLEX RECEPTACLE
	RANGE (R)/DRYER (D) RECEPTACLE
	SPECIAL POWER OUTLET (REFER TO SPEC)
	HAND DRYER
	DOOR CHIME
	SQUARE JUNCTION BOX
	OCTAGON JUNCTION BOX
	CIRCLE JUNCTION BOX
	RECTANGLE JUNCTION BOX
	FIELD EQUIPMENT
	ELECTRICAL PANELBOARD
	CONDUIT STUB
	CONDUIT HOMERUN
	CONDUIT RUN DOWN
	CONDUIT RUN UP
	HYDRO POLE
	GROUND ROD
	EQUIPMENT LOAD
	LOCAL DISCONNECT SWITCH
	BASEBOARD HEATER
	FORCE FLOW WALL HEATER
	UNIT HEATER
	MOTOR STARTER
POWER (SINGLE LINE)	
	TRANSFORMER
	UTILITY METER
	PT
	CT
	FUSE
	BREAKER
	GROUND
	FUSED DISCONNECT SWITCH

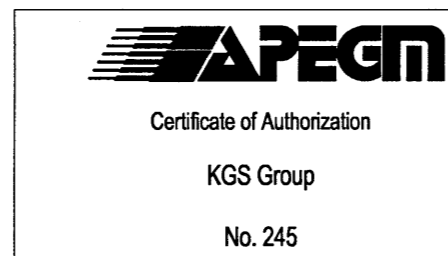
LIGHTING	
SYMBOL	DESCRIPTION
	POLE MOUNTED LUMINAIRE
	WALL MOUNTED LUMINAIRE
	CEILING MOUNTED LUMINAIRE
	FLOOD LIGHT TRACK MOUNTED
	FLOOD LIGHT POLE MOUNTED
	FLOOD LIGHT WALL MOUNTED
	PHOTOCELL - POLE MOUNTED
	PHOTOCELL - WALL MOUNTED
	WALL MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED DAYLIGHT/OCCUPANCY SENSOR
	2X4 RECESSED LIGHT FIXTURE
	1X4 RECESSED OR SURFACE MOUNTED LIGHT FIXTURE
	1X4 SUSPENDED LIGHT FIXTURE
	WALL MOUNT LIGHT FIXTURE
	SINGLE POLE SWITCH
	TWO SWITCHES IN GANG
	THREE SWITCHES IN GANG
	TIME CLOCK
NOTE: HATCHING OF LIGHT FIXTURES INDICATES NIGHT LIGHT FUNCTION.	
EMERGENCY LIGHTING	
	EMERGENCY LIGHTING - BATTERY 2 HEADS
	EMERGENCY LIGHTING - REMOTE 2 HEADS
EXIT LIGHTING	
	EXIT SIGN - SINGLE FACED
	EXIT SIGN - SINGLE FACED ARROW INDICATES DIRECTION
	EXIT SIGN - DOUBLE FACED
	EXIT SIGN - DOUBLE FACED ARROWS INDICATE DIRECTION

ABBREVIATION / SYMBOL MODIFIER LIST	
ABBREVIATION	DESCRIPTION
a	MOUNTED ABOVE COUNTER/TABLE
AFF	ABOVE FINISHED FLOOR
BFC	BELOW FINISHED CEILING
CM	CEILING MOUNTED
FM	FLOOR MOUNTED
WP	WEATHERPROOF
GF/GFCI	GROUND FAULT CURRENT INTERRUPTER
IG	ISOLATED GROUND
C	COPIER
D	DRYER
R	RANGE
F	FRIDGE/FURN
DW	DISHWASHER
M	MICROWAVE
DF	DRINKING FOUNTAIN
T	TIMER
HC	HANDICAP
AV	AUDIO/VISUAL
CCVE	CLOSED CIRCUIT VIDEO EQUIPMENT
ACS	ACCESS CONTROL SYSTEM
DCS	DOOR CONTROL SYSTEM
WAP	WIRELESS ACCESS POINT
LV	LOW VOLTAGE
PIR	PASSIVE INFRARED
1520	T-SLOT RECEPTACLE
TV	LCD MONITOR DISPLAY
EC	ELECTRICAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
FT	FIXED TEMPERATURE
RR	RATE OF RISE
IC	ENTRYPHONE INTERCOM
FAJ	FIRE ALARM JUNCTION BOX
EF	EXHAUST FAN
UH	UNIT HEATER
WH	WALL HEATER
IAS	INTRUSION ALARM SYSTEM
IR	INFRARED ILLUMINATOR

GENERAL NOTES	
1.	COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES, BUT IS NOT LIMITED TO MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, ETC. THE ELECTRICAL SUBCONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE DISCONNECTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT. THE ELECTRICAL SUBCONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE AN APPROPRIATE CORD AND PLUG FOR ANY CORD-AND-PLUG CONNECTED EQUIPMENT THAT IS NOT EQUIPPED WITH AN INTEGRAL CORD AND PLUG.
2.	ALL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20-AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).
3.	ELECTRICAL SUBCONTRACTOR TO CONFIRM EXACT SIZE AND LOCATION AND WIRING REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL SUBCONTRACTOR PRIOR TO INSTALLATION OF ANY WIRING. ADJUST WIRING, BREAKERS, ETC. TO SUIT. ALL COSTS TO BE INCLUDED IN BASE TENDER QUOTE.

FIRE STOPPING NOTES	
A.	ALL ELECTRICAL WIRES, CABLES, NON-COMBUSTIBLE RACEWAYS, OUTLET BOXES AND OTHER SIMILAR SERVICES THAT PENETRATE FIRE WALLS, FIRE SEPARATIONS OR ASSEMBLIES AND THAT ARE REQUIRED TO HAVE A FIRE RESISTANCE RATING OR FIRE SEPARATION, SHALL BE SEALED BY FIRE STOP SYSTEM WHICH HAS AN "F" AND/OR "FT" RATING NOT LESS THAN THE REQUIRED FIRE PROTECTION RATING OF FIRE SEPARATION.
B.	ELECTRICAL SUBCONTRACTOR SHALL ONLY USE LISTED MATERIALS AND METHODS.
C.	SERVICE PENETRATION AND FIRE STOPPING OF SERVICE PENETRATION IN FIRE SEPARATION AND FIRE RATED ASSEMBLIES SHALL COMPLY WITH THE CURRENT BUILDING CODE.
D.	PROVIDE FOR FIRE STOPS IN CONCEALED SPACES AS REQUIRED BY THE CURRENT BUILDING CODE.
E.	ALL FIRE RESISTANCE RATED ASSEMBLIES (I.E. WALLS, CEILINGS, ETC.) WHICH CONTAIN PANEL BOARDS, BACK BOXES, RECESSED LIGHTING FIXTURES, ETC. SHALL BE CW FIRE RATED BACKING TO MAINTAIN THE INTEGRITY OF THE FIRE RESISTANCE.

DRAWING LIST	
SHEET No:	SHEET TITLE
E01	SYMBOL LEGEND AND DRAWING LIST
E02	ELECTRICAL SITE PLAN
E03	SINGLE LINE DIAGRAM AND PANEL SCHEDULES
E04	HHW BUILDING POWER PLAN
E05	HHW BUILDING LIGHTING PLAN
E06	HHW BUILDING SYSTEM PLAN
E07	KIOSK BUILDING PLAN
E08	MECHANICAL EQUIPMENT SCHEDULE
E09	LUMINAIRE SCHEDULE
E10	ELECTRICAL DETAILS
E11	ELECTRICAL DETAILS
E12	SYSTEMS DETAILS
E13	SECURITY CAMERA SYSTEM
E14	SECURITY CAMERA SYSTEM DETAILS
E15	FIRE ALARM MOUNTING STANDARD



LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES DATE COMMITTEE

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.	ISSUED FOR TENDER	DATE	BY
	0	ISSUED FOR TENDER	17/03/14	CLS
		REVISIONS		

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

ENGINEER'S SEAL	
	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

SYMBOL LEGEND AND DRAWING LIST

SHEET	OF
26	41
COMPUTER FILE NAME 16-0107-010	
CONSULTANT DRAWING NUMBER E01	