

**NOTE:**  
NOT ALL SYMBOLS SHOWN ON THIS LEGEND  
ARE NECESSARILY USED ON THIS PROJECT.

## ELECTRICAL SYMBOL LEGEND

### LIGHTING

- LINEAR FLUORESCENT LUMINAIRE, TYPE 'A' AS SPECIFIED. HATCHING DENOTES CONNECTED TO EMERGENCY/NIGHT LIGHTING CIRCUIT
- CEILING MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED
- WALL MOUNTED LUMINAIRE, TYPE 'A' AS SPECIFIED
- DOUBLE SURFACE MOUNTED EMERGENCY LIGHTING REMOTE HEADS, TYPE 'BU-1' INDICATES BATTERY BANK FED FROM
- EMERGENCY LIGHTING BATTERY UNIT C/W DUPLEX RECEPTACLE AND DOUBLE REMOTE HEADS, TYPE 'BU-1' AS SPECIFIED.
- WALL MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN. 'BU-1' INDICATES BATTERY UNIT FED FROM.
- WALL MOUNTED SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.
- CEILING MOUNTED DOUBLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.
- CEILING MOUNTED SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.

### SECURITY AND ACCESS SYSTEMS (BY OTHERS)

- SECURITY SYSTEM CONTROL PANEL
- KEY PAD
- CARD READER
- INFRA RED READER
- REQUEST TO EXIT BUTTON
- EGRESS MOTION DETECTOR
- DOOR CONTACT
- PATIO DOOR CONTACT
- WINDOW CONTACT
- OVERHEAD DOOR CONTACT
- POWER LOCK
- ELECTRIC STRIKE
- AUDIBLE ALARM
- MOTION DETECTOR
- GLASS BREAK DETECTOR
- AUTOMATIC DOOR OPENER
- CLOSED CIRCUIT CAMERA
  - 'B' - DENOTES BOX ENCLOSURE
  - 'E' - DENOTES ELEVATOR CORNER MOUNT
  - 'P' - DENOTES PEDESTAL MOUNT
  - 'PTZ' - DENOTES PAN TILT ZOOM
  - 'W' - DENOTES WEDGE ENCLOSURE

- SECURITY SYSTEM MONITOR
- MAGLOCK DEVICE
- MAGLOCK RESET SWITCH
- KEY SWITCH
- CODE BLUE SPEAKER PHONE
- CODE BLUE INTEGRATED UNIT C/W ACCESSORIES, POLE OR PEDESTAL MOUNTED
- ALARM SOUNDER
- PANIC ALARM
- ELECTRIC HEATING**
- ELECTRIC BASEBOARD HEATER, TYPE 'BBH' AS SPECIFIED
- RECESSED MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE 'FFH' AS SPECIFIED
- SURFACE MOUNTED - ELECTRIC FORCE FLOW HEATER, TYPE 'FFH' AS SPECIFIED
- ELECTRIC UNIT HEATER, TYPE 'UH' AS SPECIFIED

### EQUIPMENT CONNECTIONS AND CONTROLS

- DIRECT CONNECTION - 120 OR 208V AS SPECIFIED
- DIRECT CONNECTION - 347 OR 600V AS SPECIFIED
- JUNCTION BOX
- DIRECT CONNECTION - 120 OR 208V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED
- DIRECT CONNECTION - 347 OR 600V C/W UNFUSED DISCONNECT SWITCH AS SPECIFIED
- DIRECT CONNECTION - 120 OR 208V C/W FUSED DISCONNECT SWITCH AS SPECIFIED
- DIRECT CONNECTION - 347 OR 600V C/W FUSED DISCONNECT SWITCH AS SPECIFIED
- MOTOR CONNECTION AS SPECIFIED
- MOTOR CONNECTION C/W UNFUSED DISCONNECT SWITCH
- MOTOR CONNECTION C/W FUSED DISCONNECT SWITCH
- UNFUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- HAND DRYER
- CONTACTOR - SIZE AND NUMBER OF POLES AS SPECIFIED
- RELAY
- THERMOSTAT PROVIDED AND WIRED BY DIV. 16
- THERMOSTAT PROVIDED BY DIV. 15 AND WIRED BY DIV. 16

- MASTER CLOCK CONTROL PANEL
- CLOCK HANGER OUTLET C/W CLOCK
- CLOCK HANGER OUTLET ONLY
- POWER ACTIVATED DOOR EXIT BUTTON SUPPLIED BY DOOR HARDWARE SUPPLIER, WIRED BY DIV. 16
- RECESSED MOUNTED ELECTRICAL PANEL - 'SP' DENOTES PANEL DESIGNATION
- SURFACE MOUNTED ELECTRICAL PANEL - 'SP' DENOTES PANEL DESIGNATION

### GENERAL POWER

- 15A, U-GROUND DUPLEX RECEPTACLE
- (5-20RA) T-SLOT U-GROUND DUPLEX RECEPTACLE
- 15A, U-GROUND SINGLE OR DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTER
- 15A, U-GROUND DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- (5-20RA) T-SLOT U-GROUND DUPLEX INSULATED/ISOLATED GROUND RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- 120/208V/1A/50 AMP RANGE OUTLET
- SINGLE SPECIAL RECEPTACLE - AMPACITY AS INDICATED, TYPE 'A' AS SPECIFIED
- 15A, U-GROUND SPLIT WIRED DUPLEX RECEPTACLE - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- 15A, U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER - STANDARD MOUNTING HEIGHT OR MOUNTED ABOVE COUNTER
- (5-20RA) T-SLOT U-GROUND DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER

### MISCELLANEOUS

- INDICATES EXISTING DEVICE TO REMAIN
- INDICATES EXISTING DEVICE TO BE MOVED
- INDICATES EXISTING DEVICE IN RELOCATED POSITION
- INDICATES EXISTING DEVICE TO BE DEMOLISHED
- INDICATES CONDUIT
- ELECTRICAL DRAWING NOTES

### FIRE ALARM SYSTEM

- PULL STATION
- AUTOMATIC COMBINATION FIXED TEMPERATURE/RATE OF RISE HEAT DETECTOR - WALL OR CEILING MOUNTED
- AUTOMATIC FIXED TEMPERATURE HEAT DETECTOR - WALL OR CEILING MOUNTED
- SMOKE DETECTOR - WALL OR CEILING MOUNTED
- DUCT TYPE SMOKE DETECTOR WITH REMOTE ANNUNCIATION
- SPRINKLER SYSTEM FLOW OR PRESSURE SWITCH BY DIV. 15 AND WIRED BY DIV. 16. COORDINATE/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH DIV. 15 DRAWINGS
- SPRINKLER SYSTEM OR STANDPIPE SUPERVISED VALVE BY DIV. 15 AND WIRED BY DIV. 16. COORDINATE/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH DIV. 15 DRAWINGS
- SOLENOID VALVE BY DIV. 15 AND WIRED BY DIV. 16. COORDINATE/CONFIRM EXACT LOCATIONS AND QUANTITIES WITH DIV. 15 DRAWINGS
- DOOR HOLDER
- RECESSED MOUNTED - FIRE ALARM CONTROL PANEL
- FIRE ALARM HORN

### LIGHTING CONTROL

- ONE, TWO, THREE AND FOUR GANG SINGLE POLE TOGGLE SWITCHES
- 3-WAY SWITCH
- SWITCH MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED
- MANUAL TIMER SWITCH
- DIMMER SWITCH, TYPE 'A' AS SPECIFIED
- PROGRAMMABLE TIME CLOCK, TYPE 'A' AS SPECIFIED
- CEILING MOUNTED OCCUPANCY SENSOR, TYPE 'A' AS SPECIFIED
- PHOTO ELECTRIC CONTROL
- LOW VOLTAGE RELAY
- LOW VOLTAGE RELAY PANEL, TYPE 'A' AS SPECIFIED
- LOW VOLTAGE CONTROL STATION, TYPE 'LVDI' AS SPECIFIED
- LOW VOLTAGE CONTROL SYSTEM MASTER STATION

### COMMUNICATIONS

- TELEPHONE OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
- TELEPHONE OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
- DATA OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- DATA OUTLET - FLUSH FLOOR MOUNTED
- COMBINATION VOICE/DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER
- COMBINATION VOICE/DATA OUTLET - FLUSH CEILING MOUNTED UNLESS NOTED OTHERWISE
- COMBINATION VOICE/DATA OUTLET - FLUSH FLOOR MOUNTED
- COMMUNICATIONS DROP IDENTIFICATION NUMBER - A01 INDICATES DROP IDENTIFICATION
- INTERCOM MASTER STATION
- INTERCOM STATION
- FLUSH MOUNTED AUXILIARY SOUND SYSTEM SPEAKER - WALL MOUNTED OR CEILING MOUNTED
- SURFACE MOUNTED AUXILIARY SOUND SYSTEM SPEAKER - WALL MOUNTED OR CEILING MOUNTED
- POWER DISTRIBUTION**
- MOLDED CASE CIRCUIT BREAKER
- KW/HR METER

## ELECTRICAL DRAWING LIST

- E1.0 ELECTRICAL LEGEND & DRAWING LIST
- E1.1 SITE PLAN - ELECTRICAL LAYOUT
- EL2.0 BASEMENT LIGHTING LAYOUT
- EL2.1 MAIN FLOOR LIGHTING LAYOUT
- EP2.0 BASEMENT POWER & SYSTEMS LAYOUT
- EP2.1 MAIN FLOOR POWER & SYSTEMS LAYOUT
- E3.0 ROOF PLAN-ELECTRICAL LAYOUT
- E3.1 ENLARGED KITCHEN PLAN-ELECTRICAL LAYOUT
- E4.1 ELECTRICAL SINGLE LINE DISTRIBUTION SCHEMATIC
- E5.1 SCHEDULES
- E6.1 DETAILS
- E6.2 DETAILS
- E6.3 RISER DIAGRAMS
- ME1.1 SCHEDULES (ELECTRICAL ITEMS ONLY)
- ME1.2 SCHEDULES (ELECTRICAL ITEMS ONLY)

### ABBREVIATIONS

- A - AMPERES
- AFF - ABOVE FINISHED FLOOR
- BRK - BREAKER
- BU - BATTERY UNIT
- CDP - CENTRAL DISTRIBUTION PANEL
- CFM - COFFEE MACHINE
- CH - CHILDPROOF
- CLG - CEILING MOUNTED
- CM FWR - COMBINATION MAGNETIC, FULL VOLTAGE NON-REVERSABLE
- CM RWR - COMBINATION MAGNETIC, REDUCED VOLTAGE NON-REVERSABLE
- CNDT - CONDUIT
- CP - COPY MACHINE
- CSTE - CUSTOMER SERVICE TERMINATION ENCLOSURE
- D - DELETE
- E - EXISTING
- EF - EXHAUST FAN
- FA - FIRE ALARM
- FC - FOOT CANDLE
- FF - FORCE FLOW
- FR - FRIDGE
- FX - FAX MACHINE
- FZ - FREEZER
- GFI - GROUND FAULT CIRCUIT INTERRUPTER
- HP - HORSEPOWER
- IG - ISOLATED GROUND
- kVA - KILO VOLT-AMPERES
- kW - KILOWATTS
- LTG - LIGHTING
- LV - LOW VOLTAGE
- MD - MAIN DISTRIBUTION
- MIC - MICROWAVE
- MP - MOISTURE PROOF
- NIC - NOT IN CONTRACT
- NL - NIGHT LIGHT
- NTS - NOT TO SCALE
- PA - PUBLIC ADDRESS
- PNL - PP POWER PANEL
- PR - PRINTER
- TYP - TYPICAL
- V - VOLT
- VM - VENDING MACHINE
- WG - WIRE GUARD
- WP - WEATHERPROOF

## FORMAL ISSUES

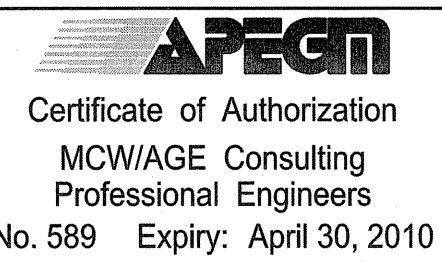
	2009-12-02 ISSUED FOR 60% REVIEW	2010-02-10 ISSUED FOR 99% REVIEW	2010-02-26 ISSUED FOR TENDER		
E1.0	✓	✓	✓		
E1.1	✓	✓	✓		
EL2.0	✓	✓	✓		
EL2.1	✓	✓	✓		
EP2.0	✓	✓	✓		
EP2.1	✓	✓	✓		
E3.0	✓	✓	✓		
E3.1	✓	✓	✓		
E4.1	✓	✓	✓		
E5.1	✓	✓	✓		
E6.1	✓	✓	✓		
E6.2	✓	✓	✓		
E6.3	✓	✓	✓		
ME1.1		✓	✓		
ME1.2		✓	✓		

### GENERAL NOTES:

- MINIMUM CONDUIT SIZE SHALL BE 21mm UNLESS NOTED OTHERWISE.
- MOUNTING HEIGHT OF ALL EQUIPMENT/DEVICES SHOWN IN SYMBOL LEGEND ABOVE SHALL BE MEASURED WITH RESPECT TO THE CENTER OF THE RELATED EQUIPMENT/DEVICE.
- PROVIDE LOCKABLE ENCLOSURES WITH COMMON KEY ON ALL STARTERS AND DISCONNECT SWITCHES LOCATED IN PUBLIC AREAS. KEYS SHALL BE HANDED OVER TO OWNER AT END OF PROJECT.
- PROVIDE ROUGH-IN ONLY FOR ALL SECURITY DEVICES. ROUGH-IN SHALL INCLUDE EMPTY CONDUIT SYSTEM FROM EACH DEVICE UP INTO NEAREST ACCESSIBLE CEILING SPACE C/W OUTLET BOXES C/W PLASTIC BUSHINGS AND PULL WIRE.

### DEMOLITION NOTES:

- EXISTING ELECTRICAL INCLUDING ALL ASSOCIATED WIRING, CONDUIT, OUTLET BOXES, DEVICES, LUMINAIRES AND DISTRIBUTION COMPONENTS SHALL BE DISCONNECTED AND REMOVED FROM SITE. CONFIRM REQUIREMENTS/QUANTITY ON SITE PRIOR TO TENDER CLOSING.



D ISSUED FOR TENDER FEB 26, 2010  
 C ISSUED FOR 99% REVIEW FEB 10, 2010  
 B ISSUED FOR 90% REVIEW JAN 08, 2010  
 A ISSUED FOR 60% REVIEW DEC 02, 2009

This drawing must not be scaled.

The general Contractor must verify all dimensions, datums and levels prior to commencement of work. All errors and omissions must be reported immediately to the Architect.

Variations and modifications to work shown on this drawing shall not be carried out without written permission from the Architect.

This drawing is the exclusive property of the Architect and cannot be reproduced without written permission of the Architect. Reproduction must bear the name of the Architect. Copyright © 2009.



project  
**SINCLAIR COMMUNITY CENTRE**  
**ADDITION & RENOVATIONS**  
 490 Sinclair Street, Winnipeg

sheet title  
**ELECTRICAL LEGEND & DRAWING LIST**

project number: 5878 drawing number:  
 scale: N.T.S. **E1.0**  
 drawn by: P.A.S.  
 approved by: K.B.G.  
 date: 2010-02-26