CSIE
1000AMP
120/208V/3ø/4W
42KA

UTILITY METER C/W CTS

SPACE   SPACE

DISTRIBUTION PANEL MD-1
1000AMP
120/208V/3ø/4W
XXKA S.C.I.A.

1000A 3P 100% RATED

100A 3P | 225A 3P | 225A 3P | 200A 3P | 175A 3P | 100A 3P | 175A 3P | 250A 3P | 225A 3P | 125A 3P | 90A 3P | 150A 3P | 225A 3P | 225A 3P

SPACE

PANEL A (LTG) | PANEL B (MISC) | PANEL C (MECH) | PANEL E (KITCHEN) | AHU-1 (39KW) | AHU-2 (16.9KW) | CU-1 (50KW) | CU-2 (80KW) | ELEVATOR (FUTURE) (10KW) | HU-1 (34KW) | HU-2 (25.5KW)

SPARE | SPACE | SPACE

200A 3P

PANEL D

ELECTRICAL LOADS

RINK LIGHTING LOADS

FEEDER SCHEDULE

TYPE	DESCRIPTION	AMPACITY
1	2X (4— #750MCM RA90 AL. DIRECT BURIED) AS PER CEC TABLE D9B, DIAGRAM B4-1, DETAIL 2	1140
2	4— #3 RW90 CU. IN 35mmC	105
3	4— #4/0 RW90 CU. IN 53mmC	235
4	4— #3/0 RW90 CU. IN 53mmC	210
5	REFER TO MECHANICAL SCHEDULE	
6	4— #4/0 RA90 AL. DIRECT BURIED AS PER CEC TABLE D9B, DIAGRAM B4-1, DETAIL 1	210

NOTES:

1. PROVIDE LEED APPROVED DIGITAL MONITOR/METERING DEVICE.

2. PROVIDE 30A/8P RELAY/CONTACTOR FOR EXTERIOR HOCKEY RINK LIGHTING CONTROL C/W KEY ON AND MUSHROOM OFF SWITCH.

3. PROVIDE ONE (1) JUNCTION BOX FOR EACH LOAD TYPE C/W LEED APPROVED DIGITAL MONITOR/METERING DEVICE TO MONITOR THE FOLLOWING LOADS INDIVIDUALLY:

   —LIGHTING
   —RINK LIGHTING
   —ELECTRIC HEATING
   — MISCELLANEOUS POWER

   TOTAL OF FOUR(4) JUNCTION BOXES C/W FOUR(4) METERS SHALL BE PROVIDED.
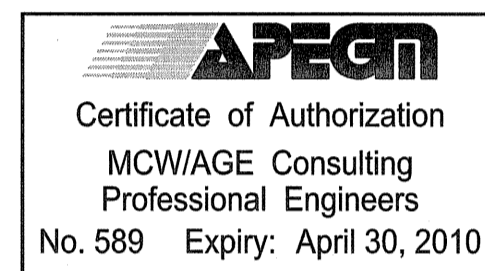
D	ISSUED FOR TENDER	FEB 26, 2010
C	ISSUED FOR 99% REVIEW	FEB 10, 2010
B	ISSUED FOR 90% REVIEW	JAN 08, 2010
A	ISSUED FOR 60% REVIEW	DEC 02, 2009

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.

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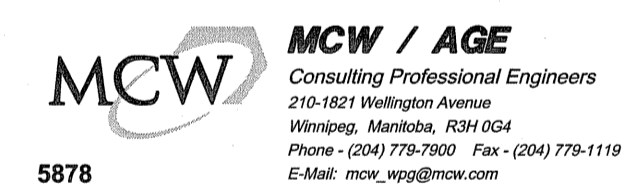
project
SINCLAIR COMMUNITY CENTRE
ADDITION & RENOVATIONS
490 Sinclair Street, Winnipeg

sheet title
ELECTRICAL SINGLE LINE DISTRIBUTION SCHEMATIC

project number: 5878	drawing number:
scale: N.T.S.	**E4.1**
drawn by: P.A.S.	
approved by: K.B.G.	
date: 2010-02-26	