

ELECTRICAL SPECIFICATION

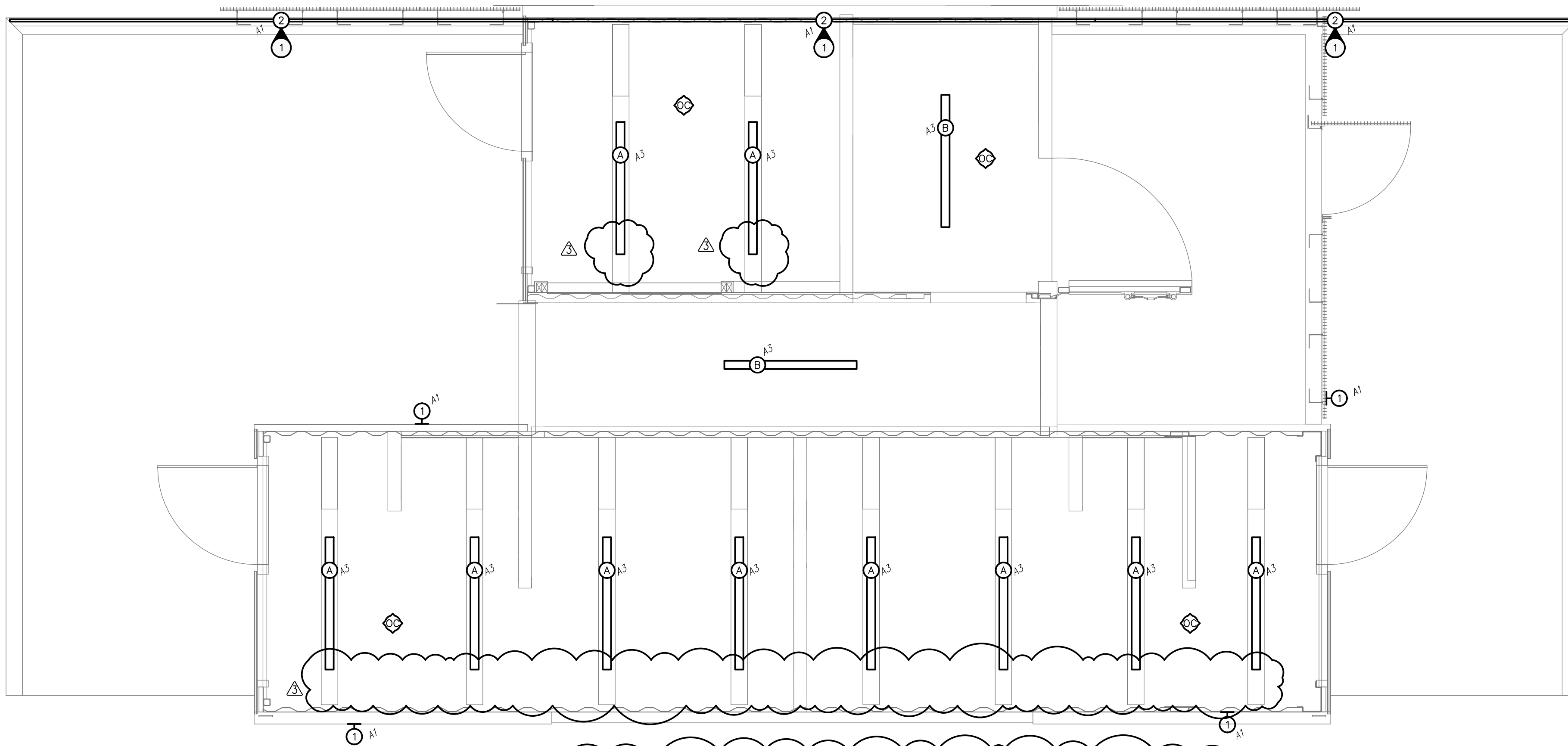
1. Scope of Work – The contract shall include the furnishing of labour, new material, equipment and services necessary and reasonably implied and incidental to the complete installation of the electrical work shown on the plans and specifications. Supply and install all devices required for the complete approved system, operating to the complete satisfaction of the Contact Administrator.
2. Laws, Rules, Ordinances and Inspections – The entire electrical installation shall comply with the latest edition of the Canadian Electrical Code and with all provincial and municipal laws; rules and ordinances. Prepare and submit to the proper authorities all necessary permits and pay all permit fees.
3. Electrical work shall be completed in conformance with, and subject to, all cautionary notes available to the reader including those available on the websites of the manufacturers and Contact Administrator.
4. Drawings – The Electrical Subcontractor shall carefully examine all drawings relating to the work, to be certain that the work under this contract can be carried out and, prior to the submission of his tender, report at once to the Contact Administrator any defect, discrepancy, omission or interference affecting the work of this section or the guarantee of same.
5. Responsibility – Be responsible for any damage caused to the owners or their contractors by improperly carrying out this contract.
6. Identification – Install designatory lettering on all electrical equipment.
7. Guarantee – The Electrical Subcontractor shall guarantee the satisfactory operation of all work and apparatus included and installed under this section for a period of twelve(12) calendar months after the final acceptance of the complete building.
8. Existing Work – The Electrical Subcontractor shall take into account items which he/she is responsible for due to the changes and alterations to the existing building and allow for such items that may occur in his/her tendered price.
9. Minimum wire size #12 AWG all wiring to be copper.
10. Provide a complete and code-conforming emergency lighting and signage system. Approved manufacturers are: Lumacell, Aimlite.
11. Unless otherwise instructed in writing, conceal all wiring.
12. Coordinate final location of electrical devices with architectural.

SYMBOL SCHEDULE

- Linear luminaire, 'B1-a' denotes panel circuit # and switch.
- Wall mounted luminaire. 'A' denotes type.
- Ceiling mounted occupancy sensor. 'W' indicates wall mounted. Auto on/off unless otherwise indicated. Sensorswitch.
- Duplex receptacle.
- Duplex receptacle weather proof.
- Duplex receptacle on separate circuit. Provide lamacoid label indicating "SC".
- Ground fault duplex receptacle.
- Motor. Refer to mechanical for exact location. For roof mounted equipment, supply and install wire and connect a separate circuit GFI receptacle in accordance with C.E.C. rule 26-704.
- Disconnect switch to suit application. By electrical contractor.
- Junction box.
- Dyson airblade XLERATOR hand dryer (120V-PH, 1.4KW).
- Motorized damper control wiring by mechanical contractor, 120V power supply by electrical contractor.
- Electric force flow heater c/w built in thermostat unless otherwise indicated. FF-4' denotes type. '4K' denotes wattage. See heating schedule for details.

Owner
City of Winnipeg
190 River Road, Winnipeg, MB

No.	Date	Revision Notes
1.	2015.04.10	Issued for 66% REVIEW
2.	2015.05.08	Issued For Construction
3.	2015.06.16	Issued For Addendum #1



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E1.0 **ELECTRICAL - LIGHTING LAYOUT**
SCALE: 1/30

SPECIFIC ELECTRICAL NOTES

- LED STRIP LOCATED ON UNDERSIDE OF ANGLE. REFER TO ARCHITECTURAL FOR EXACT LOCATION AND LENGTH.



LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MOUNTING	CATALOG NUMBER	LAMPS
A	4' FLUORESCENT LUMINAIRE	WITHIN COVE	LITHONIA Z-232-120-GEB10IS-CSA	2-32W T8
B	4' FLUORESCENT STRIP C/W WIRE GUARD	SURFACE	LITHONIA Z-232-120-GEB10IS-CSA-WGZ48	2-32W T8
1	EXTERIOR WALL PACK	SURFACE, VERTICALLY	BEGA 4574	44W LED
2	EXTERIOR LED STRIP C/W DRIVER TO SUIT APPLICATION	SURFACE	GREEN IMAGE TECH GS50NFX3-24V-WW, M200L24DC	24W LED

LUMINAIRE SCHEDULE NOTES:
 1. ALL FLUORESCENT BALLAST TO BE ELECTRONIC. MB HYDRO "POWER SMART" APPROVED.
 2. ALL FLUORESCENT LAMPS TO BE 3500K & 85 CRI, UNLESS OTHERWISE NOTED.
 3. PROVIDE PHOTOCCELL CONTROL FOR ALL OUTDOOR LUMINAIRES.
 4. COORDINATE FINAL LOCATION OF LUMINAIRES WITH ARCHITECTURAL.

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APEGM
Certificate of Authorization
Nova 3 Engineering Ltd.
No. 962 Date: 2015.06.18

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Project
St. Vital Park Washrooms

Drawing
ELECTRICAL - LIGHTING LAYOUT

Drawn By
KC/AJT

Reviewed By
VJT

Scale
AS NOTED

Drawing No.
E1.0

Date
JUNE/2015

Project No.
1445

File No.
0