



1 ACCESS CONTROL RISER DIAGRAM  
 E5.4 SCALE: NTS

ACCESS CONTROL EQUIPMENT LIST	
1	ACCESS CONTROL PANEL / DOOR CONTROLLER - 2 DOORS
2	DOOR CONTROLLER - UP TO 2 DOORS
3	PROXIMITY READER ON NON-SECURE SIDE
4	DOOR CONTACT
5	ELECTRIC STRIKE - BY DOOR HARDWARE SUPPLIER
6	MAGNETIC LOCK - BY DOOR HARDWARE SUPPLIER
7	REQUEST TO EXIT DETECTOR ON SECURE SIDE

**GENERAL NOTES**

- ALL WIRING SHALL BE RUN IN CONDUIT UNLESS NOTED OTHERWISE. UTILIZE J-HOOKS IN ACCESSIBLE CEILING SPACE ONLY.
- DAISY CHAINING OF DEVICES NOT PERMITTED. ALL DEVICES SHALL BE HOME RUN TO THE HEAD END LOCATION.
- ALL WIRING SHALL BE FT6/FT4 IN CONDUIT.
- WHERE DOORS INCLUDE AUTOMATIC DOOR OPERATORS, IT IS THE ELECTRICAL SUB-CONTRACTORS RESPONSIBILITY TO COORDINATE THE INSTALLATION WITH THE GENERAL CONTRACTOR TO ENSURE DOORS ARE SEQUENCED PROPERLY WITH THE ACCESS CONTROL SYSTEM FOR PROPER FUNCTIONALITY. WIRE AND CONNECT ALL ASSOCIATED CONTROLS AS REQUIRED TO ACHIEVE THE PROPER SEQUENCING.

**KEY NOTES**

- PROVIDE A NETWORK OUTPUT TO THE LAN FOR CONNECTION AND MONITORING THROUGH CITY OF WINNIPEG BAS JOHNSON METASYS SYSTEM.
- PROVIDE AN OUTPUT TO THE INTRUSION ALARM SYSTEM FOR AC POWER FAILURE.
- PROVIDE AN OUTPUT TO THE INTRUSION ALARM SYSTEM FOR PANEL TAMPER. PANEL TAMPER SHALL ALSO OUTPUT TO THE NETWORK CONTROLLER FOR BAS SYSTEM INTEGRATION.
- PROVIDE A DEDICATED 120V/15A CIRCUIT FOR ACCESS CONTROL SYSTEM POWER SUPPLY. REFER TO DRAWINGS FOR CIRCUITING.

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1 16-04-20 Issued with Addendum #1  
 revision

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**PROJECT**  
 Windsor Park Library  
**ADDRESS**  
 1201 Archibald Street

**DATE**  
 April 20, 2016

**SCALE**  
 12" = 1'-0"

access control  
 riser diagram  
**E5.4**