



**MAIN FLOOR PLAN**  
 SCALE: 1:100

**DRAWING NOTES:**

- 1 WIRE AND CONNECT AUTOMATIC SLIDING DOOR.
- 2 LARGE PUBLIC MONITOR OUTLETS AT HIGH LEVEL. COORDINATE EXACT LOCATION WITH THE ARCHITECT.
- 3 DUPLEX RECEPTACLE WITH USB OUTLET. COORDINATE EXACT LOCATION ON SITE.
- 4 DATA CONNECTIONS FOR WIRELESS ROUTER. TYPICAL.
- 5 WALL MOUNTED POWER & DATA FOR PROJECTOR. CONFIRM EXACT POWER REQUIREMENTS AND MOUNTING LOCATION ON SITE.
- 6 PROVIDE SWITCHED 120V, 20A JB FOR SIGNAGE MOUNTED AT HIGH LEVEL. CONFIRM LOCATION AND EXACT MOUNTING HEIGHT WITH ARCHITECT.
- 7 PROVIDE FLOOR MOUNTED FLUSH POKE THRU TYPE RECEPTACLE, USB AND VOICE/DATA OUTLETS FOR COMPUTERS. COORDINATE EXACT LOCATION ON SITE.
- 8 WIRE AND CONNECT ALL HANDS FREE FAUCETS, WATER CLOSETS AND URINALS.
- 9 PROVIDE RECEPTACLE IN FACE OF MILLWORK. COORDINATE EXACT LOCATION WITH ELEVATIONS.
- 10 PROVIDE COMPLETE PUBLIC ADDRESS SYSTEM. HEAD END TO BE LOCATED IN VOICE/DATA RACK IN SERVER ROOM.
- 11 PROVIDE VOLUME CONTROL FOR SPEAKERS WITHIN MPR.
- 12 PROVIDE DEDICATED CIRCUIT FOR SECURITY MONITOR C/W DATA. MOUNTED AT HIGH LEVEL, COORDINATE WITH ARCHITECT.
- 13 PROVIDE DEDICATED 120V, 15A CIRCUIT FOR GLYCOL MAKE-UP PACKAGE GMP-1.
- 14 PROVIDE WIRING TO REMOTE KEY SWITCH FOR ALL AUTOMATIC DOOR OPERATORS AND POWER DOORS. COORDINATE EXACT LOCATION OF KEY SWITCH WITH DOOR OPERATOR SUPPLIER.
- 15 PROVIDE DYSON V-BLADE (120V, NICKEL FINISH) HAND DRYER IN WASHROOMS AS INDICATED.
- 16 PROVIDE DEDICATED 20A CIRCUIT AND 5-20R DUPLEX RECEPTACLE FOR MULTIPURPOSE ROOM AV EQUIPMENT. PROVIDE RACK AND EQUIPMENT AS PER SPECIFICATIONS.
- 17 COORDINATE LOCATION OF ALL FLOOR MOUNTED OUTLETS WITH ARCHITECT AND FINAL FURNITURE LAYOUT.
- 18 COORDINATE LOCATION AND CONNECTION REQUIREMENTS OF POWERED FURNITURE WITH FINAL FURNITURE SELECTION AND LAYOUT.
- 19 PROVIDE (MIN) 1 1/4" CONDUIT STUB TO (MIN) 4"x4"x2 1/8" JUNCTION BOX COMPLETE WITH SINGLE GANG PLASTER RING TO ACCOMMODATE VGA, HDMI AND AUDIO CABLE CONNECTIONS C/W CABLES FROM WALL OUTLET TO WALL MOUNTED PROJECTOR.
- 20 MOUNTED AT HIGH LEVEL, COORDINATE WITH ARCHITECT AND WITH THE CITY'S EQUIPMENT.
- 21 PROVIDE EMPTY 53mm CONDUIT C/W PULL CORD FROM TELEPHONE BACKBOARD TO DATA RACK.
- 22 PROVIDE DEDICATED 120V POWER SUPPLY TO SMART GLASS TRANSFORMER. TRANSFORMER IS SUPPLIED BY SMART GLASS SUPPLIER. PROVIDE ALL WIRING FROM TRANSFORMER TO SMART GLASS PANELS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDED INSTALLATION METHODS. COORDINATE EXACT LOCATION OF TRANSFORMER WITH ARCHITECT ON SITE.
- 23 PROVIDE SINGLE POLE SWITCH FOR SMART GLASS POWER SUPPLY.
- 24 COORDINATE EXACT LOCATION WITH ARCHITECT AND MILLWORK SUPPLIER.
- 25 COORDINATE LOCATION OF FUTURE BOOK SORTER CONNECTIONS WITH THE CITY.
- 26 COORDINATE EXACT LOCATION WITH ARCHITECT.
- 27 PROVIDE LEGRAND XCSPP OUTDOOR POWER PEDESTAL, 2 GANG OPTION C/W 2 SIDE SHELVES. COORDINATE FINISH AND MOUNTING DETAIL WITH ARCHITECTURE.

**GENERAL NOTE**

1. ALL FLOOR OUTLETS LOCATIONS TO BE COORDINATED WITH FINAL FURNITURE LAYOUTS AND LOCATIONS CONFIRMED WITH DESIGN CONSULTANT PRIOR TO ROUGH IN.
2. ALL WIRING TO PERMETER DEVICES SHALL BE CONCEALED IN PERIMETER BULKHEADS. REFER TO ACCESS PANEL LOCATIONS SHOWN ON ARCHITECTURAL REFLECTED CEILING PLAN AND ENSURE ALL JUNCTION BOXES WILL BE ACCESSIBLE.

TOWER PROJECT NO. : 181335

**TOWER ENGINEERING GROUP**  
 UNIT 1-1140 Waverley St. Winnipeg, MB R3T 0P4  
 TEL: (204) 925-1150 FAX: (204) 925-1155  
 EMAIL: towereng@towereng.ca WEB: www.towereng.ca  
 • WINNIPEG • CALGARY

6 2019-08-08 ISSUED FOR ADDENDUM 01 SMM  
 5 2019-07-08 ISSUED FOR CONSTRUCTION SMM  
 4 2019-06-26 ISSUED FOR 100% PRE-TENDER REVIEW SMM  
 3 2019-05-13 ISSUED FOR PRE-TENDER REVIEW SMM  
 2 2019-04-17 ISSUED FOR REVIEW SMM

No.	Date	Issue / Revision	By
No. 4156 Expiry: April 30, 2020			

Drawn By: VREGUNAY  
 Printing Date: August 8, 2019

**LM Architectural Group**  
 500-136 Market Ave  
 Winnipeg, Manitoba  
 Canada R3B 0P4  
 t: (204) 942.0681  
 f: (204) 943.8676  
 www.lm-architects.com

These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract. Any use of the drawing, site or electronic data without the expressed written permission of Tower Engineering Inc. is strictly prohibited. The contractor is responsible to verify all dimensions with conditions on the site and report discrepancies to Tower Engineering for adjustment. All prints to be returned.

**APEGM**  
 Certificate of Authorization  
 Tower Engineering Group  
 No. 4156 Expiry: April 30, 2020

**Bill and Helen Norrie Library**  
 Project No.: 2017-082  
 Tender No.: 542-2019  
 Address: 15 Poseidon Bay, Winnipeg, MB.

**POWER & SYSTEM LAYOUT  
 MAIN FLOOR**