



GENERAL NOTES

- A. FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT SHALL BE FLEXIBLE. CONFIRM FINAL CIRCUIT BREAKER AND WIRE SIZE WITH MECHANICAL EQUIPMENT SHOP DRAWINGS. ADJUST CIRCUIT BREAKER AND WIRE SIZE AS REQUIRED WITHOUT ADDITIONAL COST TO CITY.
- B. INSTALL COMMUNICATIONS CONDUIT WITH NO MORE THAN TWO (2) 90° BENDS BETWEEN PULL BOXES AND NO MORE THAN 30M (100'-0") BETWEEN PULL BOXES. PULL BOXES SHALL BE INSTALLED FOR STRAIGHT THRU PULLS ONLY.
- C. ALL COMMUNICATIONS CABLES SHALL BE INSTALLED IN CONDUIT, CABLE TRAY, OR SUPPORTED BY CABLE HOOKS. PROVIDE BUSHINGS AT THE ENDS OF ALL CONDUIT WHERE STUBBED ABOVE ACCESSIBLE CEILINGS OR WHERE DROPPED INTO CABLE TRAY. PROVIDE CABLE HOOKS ABOVE ACCESSIBLE CEILINGS FOR CABLE INSTALLATION WHERE NOT INSTALLED IN CONDUIT OR CABLE TRAY.
- D. ELECTRICAL SUBCONTRACTOR SHALL COORDINATE QUANTITIES AND LOCATIONS OF ALL SWITCHES AND VALVES REQUIRING WIRING WITH SPRINKLER CONTRACTOR.
- E. PROVIDE VERIFICATION OF FIRE ALARM SYSTEM.
- F. REFER TO FIRE ALARM RISER AND ZONE SCHEDULE FOR INITIATING ZONES AND SIGNAL CIRCUITS.
- G. HEAT DETECTORS WITHIN CRAWLSPACE SHALL BE NON-ADDRESSABLE MOISTURE PROOF TYPE.
- H. ALL PAGING SPEAKERS SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE.

KEY NOTES

- 1. REMOTE VOLUME CONTROL FOR MULTI-PURPOSE ROOM VOLUME CONTROL. OVERRIDE. PROVIDE 4-PLX RECEPTACLES FOR COMMUNICATIONS RACK POWER REQUIREMENTS. MOUNT RECEPTACLES WITHIN COMMUNICATIONS RACK.
- 2. WINDOW CONTACTS FOR OPERABLE WINDOWS. CONFIRM TOTAL QUANTITY REQUIRED WITH GC. COORDINATE INSTALLATION WITH GC TO ENSURE CONTACTS CAN BE INSTALLED. CONTACTS MAY REQUIRE INSTALLATION DURING WINDOW PRODUCTION.
- 3. DOOR CONTACTS FOR AUTOMATED SLIDING DOORS. CONFIRM TOTAL QUANTITY REQUIRED WITH GC. COORDINATE INSTALLATION WITH GC TO ENSURE CONTACTS CAN BE INSTALLED. CONTACTS MAY REQUIRE INSTALLATION DURING DOOR CONSTRUCTION. INCLUDE ADDITIONAL CONTACTS AS REQUIRED FOR DOOR "BREAKAWAY".
- 4. WIRE AND CONNECT SLIDING DOOR OPERATORS INCLUDING ASSOCIATED CONTROLS C/W MOTION SENSOR CONTROLS. CONFIRM REQUIREMENTS WITH GC AND DOOR OPERATOR EQUIPMENT SHOP DRAWINGS.
- 5. DOOR OPERATORS SHALL BE SEQUENCED TO OPERATE IN UNISON C/W TIME DELAY BETWEEN DOORS. ELECTRICAL CONTRACTOR SHALL COORDINATE THESE REQUIREMENTS WITH GC, AND PROVIDE ALL NECESSARY WIRING FOR CONTROLS AS REQUIRED.
- 6. INTRUSION ALARM ARMING STATION C/W KEYPAD, CARD READER AND ENCLOSURE. PROVIDE A WEATHERPROOF UV RESISTANT TRANSPARENT POLYCARBONATE ENCLOSURE C/W KEYPAD ACCESS TO HOUSE INTRUSION ALARM PROXIMITY READER. PROVIDE A VANDAL RESISTANT POLYCARBONATE COVER C/W INTEGRAL ALARM FOR FIRE ALARM MANUAL STATION WITHIN PUBLIC AREAS ONLY.
- 7. WIRE AND CONNECT AUTOMATED PLUMBING LOW VOLTAGE TRANSFORMER AS SUPPLIED BY MECHANICAL. CONFIRM LOCATION AND QUANTITY OF TRANSFORMERS WITH MECHANICAL. LOW VOLTAGE WIRING BY MECHANICAL.
- 8. WIRE AND CONNECT MOTORIZED BLINDS C/W ASSOCIATED CONTROLS. CONFIRM NUMBER OF CONNECTION POINTS, CONTROL POINTS, AND BRANCH CIRCUITS REQUIRED ON SITE WITH GC. COORDINATE METHOD OF WIRING ON SITE WITH GC AND ARCHITECTURAL DETAILS.
- 9. WIRE AND CONNECT FIREPLACE C/W ASSOCIATED CONTROLS. CONFIRM REQUIREMENTS WITH GC AND FIREPLACE SHOP DRAWINGS. REFER TO SEPARATE PRICES.
- 10. CONFIRM LOCATION OF FLOOR RECEPTACLE ON SITE WITH OWNER AND ARCHITECT.
- 11. MTS & SHAW BROADBAND OUTLET C/W ONE (1) RG6 COAXIAL CABLE AND TWO (2) CAT6 CABLES. ALL CABLING SHALL BE PROVIDED AND TERMINATED BY ELECTRICAL CONTRACTOR AND RUN BACK TO DEMARCATION POINTS.
- 12. MTS & SHAW DEMARCATION POINT RECEPTACLES.
- 13. DATA ROOM SHALL BE C/W MINIMUM 19MM (3/4") G1S PAINTED PLYWOOD BACKBOARD FLOOR TO CEILING HEIGHT ON THREE (3) WALLS FOR MOUNTING OF SYSTEMS CABLING AND UTILITIES CABLING. COORDINATE WITH GC.
- 14. RECEPTACLE FOR VIDEO DISPLAY SCREEN. CONFIRM LOCATION ON SITE WITH ARCHITECT AND OWNER.
- 15. SELF-CHECKOUT STATION.
- 16. CEILING MOUNTED PROJECTOR. CONFIRM EXACT LOCATION ON SITE WITH ARCHITECT AND OWNER. REFER TO MULTI-PURPOSE ROOM PROJECTOR RISER DETAIL FOR FURTHER REQUIREMENTS.
- 17. CEILING PROJECTOR WALL PLATE. REFER TO MULTI-PURPOSE ROOM PROJECTOR RISER DETAIL FOR FURTHER REQUIREMENTS.
- 18. PROVIDE TOGGLE SWITCH ON/OFF CONTROL FOR EXTERIOR MAINTENANCE RECEPTACLES. SWITCH SHALL BE LOCATED ADJACENT PANEL SUPPLYING CIRCUIT TO RECEPTACLE. PROVIDE LAMINATED LABEL FOR IDENTIFICATION INCLUDING CIRCUIT NUMBER.
- 19. WIRE AND CONNECT BARRIER FREE DOOR OPERATORS C/W ASSOCIATED WIRING AND CONTROLS. CONFIRM REQUIREMENT WITH GC AND DOOR OPERATOR EQUIPMENT SHOP DRAWINGS.
- 20. EMERGENCY CALL SYSTEM DOME LIGHT. REFER TO EMERGENCY CALL SYSTEM RISER DIAGRAM.
- 21. RECEPTACLE MOUNTED IN ACCESSIBLE CEILING SPACE. REFER TO EMERGENCY CALL SYSTEM RISER DIAGRAM.
- 22. EMERGENCY CALL SYSTEM PULLSTATION. REFER TO EMERGENCY CALL SYSTEM RISER DIAGRAM.
- 23. PAGING SPEAKERS WITHIN MAIN LIBRARY AND MULTI-PURPOSE SHALL BE PENDANT STYLE.
- 24. WIRE AND CONNECT DRINKING FOUNTAIN.
- 25. WIRE AND CONNECT BARRIER FREE DOOR OPERATORS C/W ELECTRIC LOCK C/W ELECTRIC STRIKE C/W ASSOCIATED WIRING AND CONTROLS. CONFIRM REQUIREMENT WITH GC AND DOOR OPERATOR EQUIPMENT SHOP DRAWINGS.
- 26. MOUNTED ON CEILING.
- 27. RECEPTACLE AND DATA FOR CASH REGISTER AND DEBIT MACHINE.
- 28. REFER TO ARCHITECTURAL DETAILS FOR INSTALLATION OF DOOR OPERATORS, FIRE ALARM AND INTRUSION ALARM SYSTEM DEVICES THIS LOCATION.
- 29. PROVIDE SURFACE MOUNTING KIT. REFER TO ARCHITECTURAL DETAILS.
- 30. WIRE AND CONNECT MOTORIZED PROJECTOR SCREEN C/W ASSOCIATED CONTROLS. COORDINATE REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 31. PROVIDE INTRUSION ALARM HORN IN STORAGE ROOM CEILING SPACE.
- 32. PROVIDE INTRUSION ALARM HORN ACCESSIBLE CEILING SPACE ABOVE RECEPTION.
- 33. WIRE AND CONNECT DDC CONTROL PANEL AS SUPPLIED BY MECHANICAL. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR.
- 34. PROVIDE DATA DROPS FOR DDC SYSTEM. CONFIRM REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 35. PROVIDE DUPLEX RECEPTACLE FOR WATER SOFTENER. CONFIRM REQUIREMENTS WITH MECHANICAL.

epp siepman engineering inc.
 mechanical & electrical engineers
 303-100 Osborne St. South
 Winnipeg, MB
 R3L 1Y5
 p 204.453.1080
 ees@eppsiepman.com

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OWNER

 CITY OF WINNIPEG - PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3rd FLOOR - 65 GARRY ST., WPG, R3C 4K4

david penner
 ARCHITECT
 +
h5a
 h5 architecture

David Penner, 204.475.8978
 Hello Rodrigues, 204.774.0012
 120 Yale Avenue, Winnipeg, MB, R3M 0L7

PROJECT
 Windsor Park Library
ADDRESS
 1201 Archibald Street

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SCALE
 As Indicated

main floor - power
 & systems
EP2.1

1 MAIN FLOOR PLAN - POWER
 EP2.1 SCALE: 1/8" = 1'-0"

