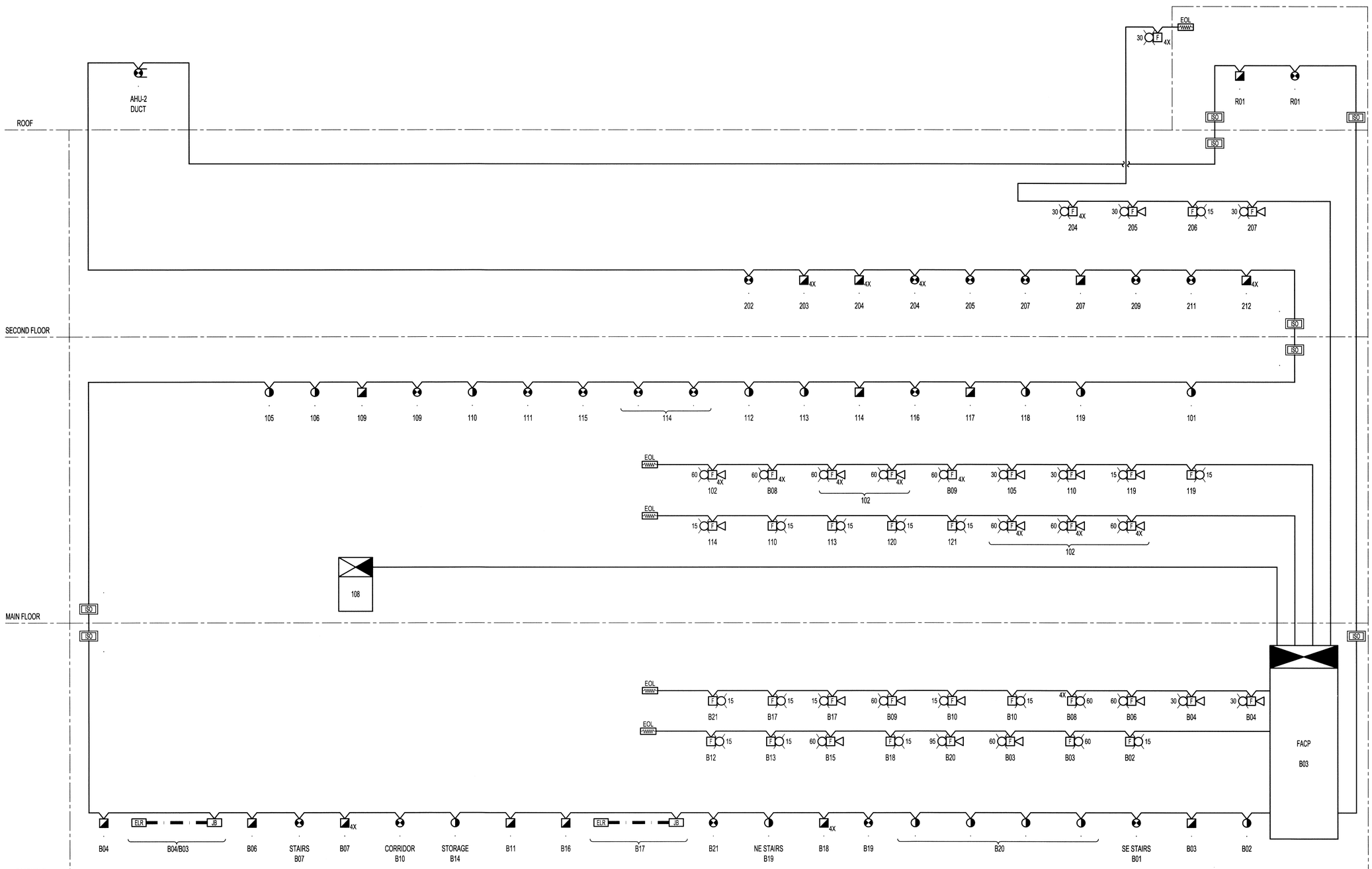
ADDRESS: 381 SHERBROOK STREET PROJECT No: 2013-173 SHEET TITLE: FIRE ALARM RISER DIAGRAM DATE: 2014.12.22 FILE NAME: 14-0107-021_E20A1



NOTES:

THESE DRAWINGS SHALL NOT BE SCALED.

THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY ONESELF ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.

THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.

ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A SMOKE-TIGHT BARRIER.

ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS & APPLICABLE CODES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK.

WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLOOR PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVED, UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR.

WHERE PAINTING OF EXISTING WALLS IS INDICATED ON THE ROOM SCHEDULE, THESE WALLS MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT NEW MATERIAL, UNLESS OTHERWISE NOTED.

FIRE ALARM RISER DIAGRAM NOTES:

1. FIRE ALARM SYSTEM TO BE A FULLY ADDRESSABLE SYSTEM.
2. CONTRACTOR SHALL WIRE ALL FIRE ALARM SYSTEM ADDRESSABLE CIRCUITS WITH A CLASS 'A' ORIENTATION. NO ADDRESSABLE LOOP CIRCUIT SHALL BE LOADED MORE THAN 80% PER CIRCUIT.
3. CONTRACTOR SHALL PROVIDE AN ISOLATION MODULE ON EACH SIDE OF A WALL OR FLOOR FIRE SEPARATION TO ENSURE SHORT CIRCUIT ISOLATION IS PRESENT THROUGHOUT ENTIRE LOOP CIRCUIT.
4. RISER DIAGRAM IS DIAGRAMMATICAL ONLY. WIRING PATH AND CONNECTIONS BETWEEN DEVICES TO BE AS REQUIRED TO SUIT THE LOCATION OF DEVICES IN THE FIELD. QUANTITY OF DEVICES INSTALLED PER ADDRESSABLE LOOP SHALL BE CONFIRMED WITH MANUFACTURERS REQUIREMENTS AND POWER LOADING.
5. ALL FIRE ALARM DEVICES SHALL BE INSTALLED AS PER CAN/ULC S524 AND FULL VERIFICATION AS PER CAN/ULC S537.
6. FIRE ALARM VERIFICATION REPORT AND CERTIFICATE OF VERIFICATION SHALL BE SUBMITTED TO THE ELECTRICAL CONSULTANT FOR REVIEW AND APPROVAL.
7. ALL BREAKERS REQUIRED FOR THE NEW FIRE ALARM SYSTEM SHALL BE PAINTED RED AND BE LOCKABLE IN THE 'ON' POSITION. ALL JUNCTION BOX COVERS SHALL BE PAINED RED AND LABELED WITH ITS FUNCTION.
8. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS FOR ALL INSTALLATIONS. ALL ISOLATION MODULES SHALL BE INSTALLED IN SEPARATE ENCLOSURES (EXCEPT WHERE NOTED OTHERWISE) AND BE LOCATED IN ACCESSIBLE AND VISIBLE LOCATIONS. EACH SEPARATE ENCLOSURE SHALL BE RATED FOR THE HAZARDOUS ENVIRONMENT IN WHICH IT IS INSTALLED.
9. CONTACTOR SHALL PROVIDE A DETAILED 'AS BUILT' MARKED UP DRAWING ON COMPLETION OF THE PROJECT THIS DRAWING SHALL SHOW THE LOCATIONS AND TYPES OF ALL THE DEVICES INVOLVED IN THE FIRE ALARM SYSTEM INCLUDING ALL INITIATING DEVICE, ANCILLARY DEVICES, SIGNALING DEVICES, AND ALL OTHER EQUIPMENT SUCH AS MODULES, RELAYS, ELECTRICAL PANELS, AND CIRCUIT NUMBERS.
10. CONTRACTOR SHALL MARK UP THE RISER DIAGRAM IDENTIFYING ANY CHANGES MADE IN THE FIELD AND INDICATE THE ASSIGNED ADDRESSES OF ALL THE COMPONENTS.
11. FOR CLASS A CIRCUITS, THE PRIMARY AND ALTERNATIVE WIRING CIRCUITS SHALL BE SEPARATED BY A MINIMUM OF 12" [300m] WHEN INSTALLED VERTICAL AND MINIM 4'-0" [1200mm] WHEN INSTALLED HORIZONTALLY. CONTRACTOR TO REFER TO CAN/ULC S524 FOR FURTHER DETAILS.

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION		15.02.17

SEAL

PROVINCE OF MANITOBA
CLAY SARARAS
Member
32618
REGISTERED PROFESSIONAL ENGINEER
2015-02-13

DRAWN	GCN	CHECKED		DESIGNED	CLS	APPROVED	
DATE	2014.12.22	USER APPROVAL					

Winnipeg

THE CITY OF WINNIPEG
PLANNING, PROPERTY AND
DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT

SHERBROOK POOL
REFURBISHMENT OF SHERBROOK POOL

381 SHERBROOK STREET

SHEET TITLE

ELECTRICAL
FIRE ALARM RISER DIAGRAM

APEGM
Certificate of Authorization
KGS Group
No. 245

KGS GROUP CONSULTING ENGINEERS

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2013-173	E20

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1

KGS GROUP FileName: P:\Projects\2014\14-0107-021\Dwg\Elec\14-0107-021_E20.dwg - Tab: 14-0107-021_E20 Plotted By: dderoche 15/02/13 [Fri 8:33am]