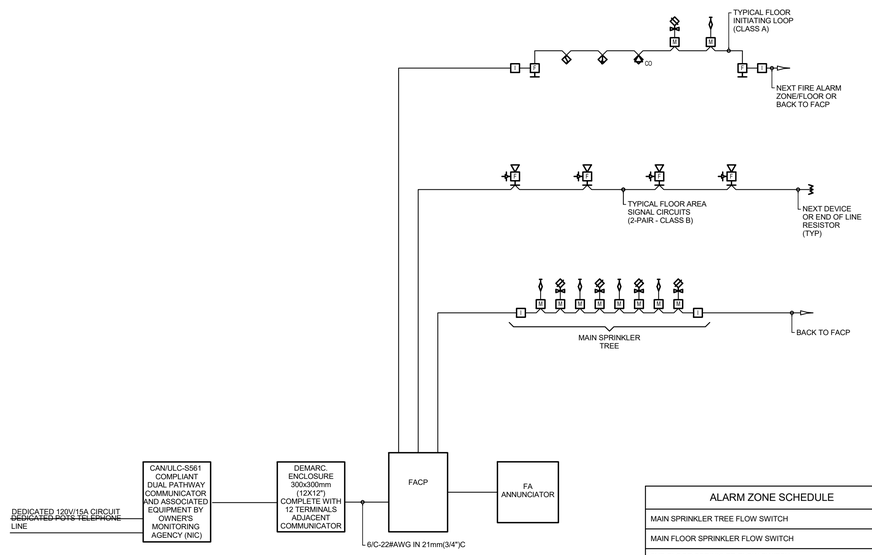

TYPICAL FIRE ALARM RISER

GENERAL NOTES

A. PROVIDE ISOLATION MODULES ENTERING AND LEAVING EACH ZONE AS DEFINED BY THE LATEST VERSION OF THE NATIONAL BUILDING CODE, AND ULC-S524.

B. PROVIDE CLASS A CIRCUITS FOR PUBLIC INITIATING/DETECTION DEVICE CIRCUITS.

C. THIS FIRE ALARM RISER SHALL BE UTILIZED AS A GUIDE FOR THE CONTRACTOR TO PRICE. THE CONTRACTOR SHALL PROVIDE AN UPDATED RISER DIAGRAM AS CREATED BY THE FIRE ALARM SYSTEM MANUFACTURER TO ENSURE CODE CONFORMANCE BASED ON THEIR SYSTEM.

D. FIRE ALARM REMOTE ANNUNCIATORS SHALL BE C/W DUPLICATE CONTROLS AS DESCRIBED ABOVE FOR THE MAIN FIRE ALARM CONTROL PANEL.

E. PROVIDE RELAY OUTPUT FOR ALL FIRE ALARM DETECTORS LOCATED IN ELEVATOR SHAFT AND LOBBIES AND WIRE AND CONNECT TO ELEVATOR CONTROL PANEL(S).

F. BRANCH CIRCUIT BREAKER SUPPLYING CIRCUITS TO FIRE ALARM EQUIPMENT SHALL BE A DEDICATED CIRCUIT, LOCKABLE IN THE ON POSITION AND HAVE A RED LAMICOID WITH WHITE LETTERS SHOWING "FIRE ALARM PANEL" AFFIXED ADJACENT TO IT. PAINTED BREAKERS ARE NOT ACCEPTABLE.

G. FIRE ALARM INITIATING DEVICES INCLUDING BUT NOT LIMITED TO HEAT DETECTORS AND PULL STATIONS WITHIN CONFINED SPACES SHALL BE MOISTURE PROOF CONVENTIONAL TYPE. ADDRESSABLE MODULES AND EOL RESISTORS FOR THESE DEVICES SHALL BE INSTALLED OUTSIDE OF THESE SPACES IN AN ACCESSIBLE LOCATION. CONFIRM LOCATION OF DEVICES ON SITE. ASSOCIATED EOL'S AND MODULES SHALL BE CLEARLY LABELED.

H. WHERE A SPACE HAS BEEN COMPARTMENTALIZED, EACH COMPARTMENT SHALL BE WIRED IN SUCH A MANNER THAT EACH COMPARTMENT IS ON A SEPARATE FIRE ALARM ZONE. PROVIDE ADDITIONAL ADDRESSABLE MODULES AS REQUIRED.

I. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE CENTRAL STATION EQUIPMENT WITH THE OWNER TO ENSURE THAT MONITORING FACILITIES ARE IN PLACE AT TIME OF OCCUPANCY.

ALARM ZONE SCHEDULE
MAIN SPRINKLER TREE FLOW SWITCH
MAIN FLOOR SPRINKLER FLOW SWITCH
2ND FLOOR SPRINKLER FLOW SWITCH
ELEVATOR SHAFT SPRINKLER FLOW SWITCH
MAIN FLOOR INITIATING DEVICE
2ND FLOOR INITIATING DEVICE
ELEVATOR SHAFT INITIATING DEVICE
STAIR NO. 1 INITIATING DEVICE
STAIR NO. 2 INITIATING DEVICE
MAKEUP AIR UNIT DUCT DETECTOR

SUPERVISORY ZONE SCHEDULE
SPRINKLER TREE SUPERVISED VALVE
MAIN FLOOR SPRINKLER SUPERVISED VALVE
2ND FLOOR SPRINKLER SUPERVISED VALVE
ELEVATOR SHAFT SPRINKLER SUPERVISED VALVE
MAIN FLOOR CO DETECTION
2ND FLOOR CO DETECTION
APPARATUS BAY CO/NOx GAS DETECTION HIGH LEVEL
APPARATUS BAY CO/NOx GAS DETECTION CRITICAL HIGH LEVEL

TYPICAL FIRE ALARM RISER

Cibinel Architecture Ltd
560 ACADEMY ROAD WINNIPEG MB R3N 0E3
T. 204 989 8910

ARCHITECT

epp siepman engineering
400 - 136 Market Avenue
Winnipeg, MB R3B 0P4
T 204 453 1080

CONSULTANT

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NO.	DATE	REVISION / ISSUANCE
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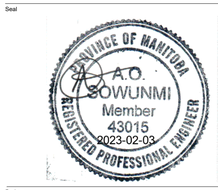

Project
WFPS STATION 9
1083 AUTUMNWOOD DRIVE

Sheet Title
ELECTRICAL DIAGRAMS

Project No. 22028
Sheet E5.2