



FIRE ALARM RISER DIAGRAM

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. EACH FLOOR SHALL BE FED FROM ALTERNATING SIGNAL CIRCUITS.
- C. PROVIDE CLASS A CIRCUITS FOR PUBLIC INITIATING/DETECTION DEVICE CIRCUITS.
- D. 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.
- E. PROVIDE A SILENCE SWITCH AT THE FACP TO DEACTIVATE THE AUDIBLE AND VISUAL SIGNAL CIRCUITS.
- F. PROVIDE A TIMER AT THE FACP TO DEACTIVATE THE AUDIBLE AND VISUAL SIGNAL CIRCUITS THROUGHOUT FOR A PRE-SET PERIOD OF TIME. THE SIGNALS WILL REACTIVATE IF THE ALARM IS NOT ADDRESSED AT THE CONTROL PANEL.
- G. PROVIDE A SWITCH AT THE FACP TO RELEASE ALL MAG-LOCKS WITHIN THE FACILITY.
- H. PROVIDE A SWITCH AT THE FACP TO RESET ALL MAG-LOCKS WITHIN THE FACILITY.
- I. FIRE ALARM REMOTE ANNUNCIATORS SHALL BE C/W DUPLICATE CONTROLS AS

THAT MONITORING FACILITIE'S ARE IN PLACE AT TIME OF OCCUPANCY.

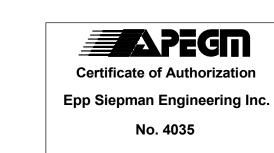
DESCRIBED ABOVE FOR THE MAIN FIRE ALARM CONTROL PANEL.

- J. BRANCH CIRCUIT BREAKER SUPPLYING CIRCUITS TO FIRE ALARM EQUIPMENT SHALL BE RED AND LOCKABLE.
- K. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE CENTRAL STATION EQUIPMENT WITH THE OWNER TO ENSURE
- L. MONITORING OF FIRE ALARM SYSTEM SHALL BE DONE BY MUNICIPAL ACCOMMODATIONS LOCATED AT CITY HALL CENTRAL CONTROL OFFICE.

KEY NOTES

- CONNECT TO INTRUSION ALARM SYSTEM. FIRE ALARM SHALL BE CONNECTED TO THE INTRUSION SYSTEM UNDER A SEPARATE DEDICATED PARTITION FOR THE FIRE ALARM SYSTEM ONLY. INCLUDE ZONES FOR ALARM, TROUBLE, SUPERVISORY AND CO TROUBLE.
- PROVIDE KEYSWITCH FOR RELEASE/RESET OF ALL MAG-LOCKS IN THE BUILDING. LOCATE ADJACENT FIRE ALARM PANEL.
- 3. OUTPUT TO MAG-LOCK POWER SUPPLY. MAG-LOCKS SHALL RELEASE ON FIRE ALARM SIGNAL. MAG-LOCKS SHALL BE RESET MANUALLY BY THE MAG-LOCK RELEASE/RESET
- 4. PROVIDE A NETWORK OUTPUT TO THE LAN FOR CONNECTION AND MONITORING THROUGH CITY OF WINNIPEG BAS JOHNSON METASYS SYSTEM.

FIRE ALARM ZONE SCHEDULE		
ZONE#	ZONE DESCRIPTION	CONDITION
Z-01	MAIN FLOOR	ALARM
Z-02	MAIN FLOOR MECHANICAL ROOM	ALARM
ZCO-01	MAIN FLOOR CO DETECTION	TROUBLE
ZCO-02	MAIN FLOOR MECHANICAL ROOM CO DETECTION	TROUBLE
ZAHU-01	AHU UNIT DUCT DETECTOR	ALARM
ZERV-01	ERV UNIT DUCT DETECTOR	ALARM



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ADDRESS

fire alarm riser