

CEILING PLAN - ZONES 11 & 35

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

REFERENCE DRAWINGS

VIPOND Automatic Sprinkler Co. Ltd.
Project No.: 34-1259-4 Date: Nov., 1984

Drawing No.:	Drawing Title:
E-1185-1	Site Plan and Zoning Details
E-1185-2	Main Floor Part A Fire Protection
E-1185-3	Main Floor and Second Floor Part B Fire Protection
E-1185-4	Main Floor Part C Fire Protection
E-1185-5	Main Floor Parts D and E Fire Protection
E-1185-6	Second Floor Part A Fire Protection
E-1185-7	Second Floor Part C Fire Protection
E-1185-8	Second Floor Part D Fire Protection
E-1185-9	Second Floor Part E Fire Protection

Public Works of Canada

SP-10	Schematic Details
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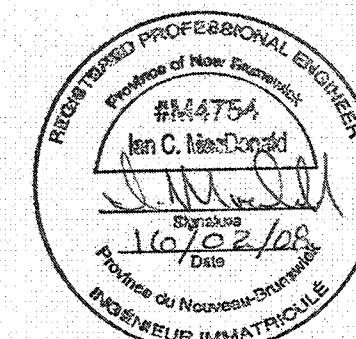
LEGEND

○	STANDARD RESPONSE UPRIGHT SPRINKLER, TEMPERATURE 68°C, K = 80.6
○	STANDARD RESPONSE UPRIGHT SPRINKLER, TEMPERATURE 93°C, K = 80.6
⊙	CONTROL MODE SPECIFIC APPLICATION (CMSA) UPRIGHT SPRINKLER, TEMPERATURE 68°C, K = 241.9
●	STANDARD RESPONSE INSTITUTIONAL PENDENT SPRINKLER, TEMPERATURE 68°C, K = 80.6
⬡	METAL SPRINKLER GUARD
○	RISER UP
—	TEE DOWN
—	PIPE DOWN
—	FLUSHING CONNECTION
⊞	CONTROL VALVE c/w TAMPER SWITCH
▲	ALARM VALVE
⊞	EXCESS PRESSURE PUMP
⊞	PRESSURE SWITCH
⊞	ALARM SWITCH
⊞	LOW WATER PRESSURE SWITCH
⊞	FLOW SWITCH
⊞	INSPECTOR'S TEST CONNECTION c/w VALVE AND PRESSURE RELIEF
⊞	FIRE HYDRANT
⊞	CEILING MOUNTED UNIT HEATER
⊞	HOSE CABINET

LEGEND NOTE:
1- SPRINKLER SYSTEM DEVICES AND PIPING SHOWN DASHED ARE EXISTING AND TO REMAIN, UNLESS NOTED OTHERWISE.

DRAWING NOTES

- CAP EXISTING PIPE AND SEAL PENETRATION THROUGH WALL WITH LISTED FIRE STOPPING ASSEMBLY. FIRE RESISTANCE RATING TO MATCH EXISTING WALL.
- CONNECT NEW PIPING TO EXISTING PIPING SUPPLYING SPRINKLERS BELOW WATCH STATION.
- EXISTING PIPING AND SPRINKLERS FOR WATCH STATION ZONE TO REMAIN. THE MEZZANINE PORTION OF THE SYSTEM IS TO BE REMOVED. CONNECT EXISTING ZONE VALVE ASSEMBLY TO WATCH STATION PIPING VIA NEW 50mm PIPING.
- PROVIDE SPRINKLER PROTECTION BELOW DUCTS THAT ARE MORE THAN 1220mm IN WIDTH.
- DEMOLISH EXISTING 100mm ALARM VALVE SERVING BUILDING "E" AND CAP AS SHOWN.
- REVISE EXISTING HEADER AS REQUIRED FOR CONNECTION OF NEW BUILDING "E" SYSTEM 3 RISER.
- PROVIDE NEW 50mm PIPING DOWN FROM NEW 200mm SYSTEM 3 FEED MAIN TO EXISTING OFFICE AREA SPRINKLER PIPING.
- EXISTING PIPING TO SPRINKLERS IN OFFICES TO REMAIN. RECONNECT TO NEW CEILING SPRINKLER SYSTEM PIPING ABOVE. REPLACE EXISTING SPRINKLERS WITHIN THESE ROOMS WITH NEW QUICK RESPONSE SPRINKLERS.
- REPLACE EXISTING SPRINKLER IN ENTRANCE WITH NEW STANDARD RESPONSE (K=80.6) INSTITUTIONAL PENDENT SPRINKLER.
- PROVIDE SPRINKLER PROTECTION BELOW OVERHEAD DOOR AND BELOW ALL OBSTRUCTIONS AS PER NFPA 13 REQUIREMENTS.
- EXISTING PIPING TO SPRINKLER IN THIS ROOM TO REMAIN. REPLACE EXISTING SPRINKLER WITH NEW STANDARD RESPONSE (K=80.6) INSTITUTIONAL PENDENT SPRINKLER.
- NEW PIPING DOWN TO NEW STANDARD RESPONSE (K=115.2) DRY PENDENT SPRINKLERS (COMPLETE WITH SPRINKLER GUARDS) PROTECTING LOADING BAY CANOPY.
- EXISTING HOSE CABINETS AND ASSOCIATED PIPING AND EQUIPMENT TO REMAIN.
- PROVIDE POWER TO NEW EXCESS PRESSURE PUMP. CONNECT NEW SPRINKLER MONITORING DEVICES TO THE EXISTING FIRE ALARM SYSTEM.
- REPLACE EXISTING SPRINKLERS UNDER WATCH STATION WITH NEW K=80.6 STANDARD RESPONSE INSTITUTIONAL PENDENT SPRINKLERS. PROVIDE DEEP CUP ESCUTCHEONS AS REQUIRED.
- EXISTING SPRINKLER SYSTEM INCLUDING MAINS, BRANCH LINES AND SPRINKLERS IN THE MATTRESS PRODUCTION AREA AND MEZZANINE SHALL BE DEMOLISHED AND REMOVED FROM SITE.
- COMPLETE CUTTING, PATCHING AND PAINTING AS REQUIRED FOR THE NEW 200mm FEED MAIN. USE EXISTING MAIN LOCATIONS WHEREVER POSSIBLE TO REDUCE CUTTING AND PATCHING.
- PROVIDE A NEW 200mm ZONE VALVE ASSEMBLY, INCLUDING A SUPERVISED CONTROL VALVE, FLOW SWITCH AND INSPECTOR'S TEST CONNECTION, FOR ZONE 11 SPRINKLER SYSTEM.
- CONNECT EXISTING 65mm PIPE TO NEW 200mm FEED MAIN AT THIS LOCATION.
- PROVIDE STANDARD RESPONSE (K=80.6) SPRINKLERS IN THE CONCEALED SPACES ABOVE LOADING BAY CANOPY.
- PROVIDE HIGH TEMPERATURE AND INTERMEDIATE TEMPERATURE CLASSIFICATION SPRINKLER HEADS IN AREAS ADJACENT TO HEAT SOURCES AS REQUIRED BY NFPA 13. WHERE HIGH TEMPERATURE HEADS ARE REQUIRED, THEY SHALL BE STANDARD RESPONSE TYPE WITH A "K" FACTOR OF 241.9.



2	ADDENDUM # 1	FEB. 8 2016
1	ISSUED FOR TENDER	DEC. 11 2015
0	ISSUED FOR CLIENT REVIEW	SEP. 18 2015
revisions		date

project
**SPRINKLER SYSTEM UPGRADE
CORCAN OPERATIONS
BUILDING "E"
ATLANTIC INSTITUTION
RENOUS, NB**

drawing
**SPRINKLER SYSTEM
CEILING PLAN**

designed LD/RF	conçu
date DEC., 2015	
drawn HR	dessiné
date DEC., 2015	
approved IM	approuvé
date DEC., 2015	
Tender RJBartlett	Sourcissement 16.02.11
PWOSC Project Manager	Administrateur de projets TPSCC
project number	no. du projet
R.061881.001	
drawing no.	no. du dessin
FP1-2	