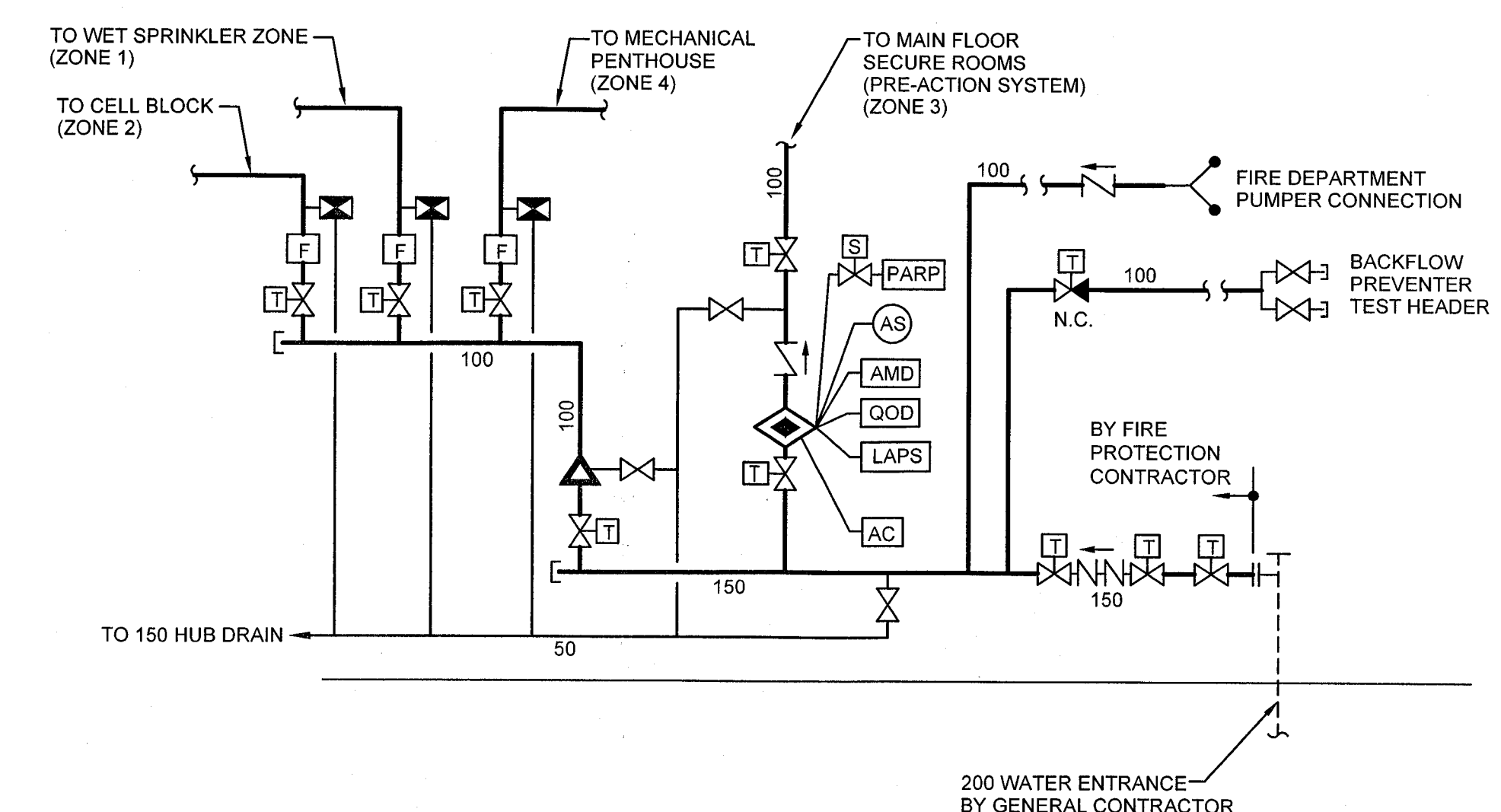


FLOOR PLAN - MAIN LEVEL  
SCALE : 1:100



SPRINKLER ENTRANCE VALVE ASSEMBLY DETAIL  
NOT TO SCALE

LEGEND			
○	QUICK RESPONSE UPRIGHT SPRINKLER, 68°C (155°F), 15mm (1/2") ORIFICE, K = 80.6 (5.6)	⊠	SOLENOID VALVE (NORMALLY CLOSED)
⊘	QUICK RESPONSE UPRIGHT SPRINKLER, 93°C (200°F), 15mm (1/2") ORIFICE, K = 80.6 (5.6)	⊠	BACKFLOW PREVENTER
⊗	QUICK RESPONSE UPRIGHT SPRINKLER, 141°C (286°F), 15mm ORIFICE (1/2"), K = 80.6 (5.6)	▲	RISER CHECK VALVE
⊙	QUICK RESPONSE SEMI-RECESSED PENDENT SPRINKLER, 68°C (155°F), 15mm ORIFICE (1/2"), K = 80.6 (5.6)	◆	PREACTION VALVE c/w TRIM
⊖	QUICK RESPONSE SEMI-RECESSED PENDENT SPRINKLER, 93°C (200°F), 15mm ORIFICE (1/2"), K = 80.6 (5.6)	⊠	AUXILIARY DRAIN VALVE
●	QUICK RESPONSE INSTITUTIONAL PENDENT SPRINKLER, 68°C (155°F), 15mm (1/2") ORIFICE, K = 80.6 (5.6)	AS	ALARM SWITCH
◀	QUICK RESPONSE HORIZONTAL SIDEWALL SPRINKLER, 68°C (155°F), 15mm (1/2") ORIFICE, K = 80.6 (5.6)	⬢	METAL SPRINKLER GUARD
✕	QUICK RESPONSE HORIZONTAL SIDEWALL SPRINKLER, 141°C (286°F), 15mm ORIFICE (1/2"), K = 80.6 (5.6)	LAPS	LOW AIR PRESSURE SWITCH
◀	STANDARD RESPONSE HORIZONTAL SIDEWALL SPRINKLER, 68°C (155°F), 15mm ORIFICE (1/2"), K = 161.3 (11.2)	QOD	QUICK OPENING DEVICE
⊙DP	QUICK RESPONSE DRY PENDENT SPRINKLER, 68°C (155°F), K = 5.6	AMD	AIR MAINTENANCE DEVICE
○	RISER UP	AC	AIR COMPRESSOR
—	TEE DOWN	PARP	PREACTION SYSTEM RELEASE PANEL (BY DIV. 28)
—	PIPE DOWN	—	FIRE DEPARTMENT PUMPER CONNECTION
—	FLUSHING/CAPPED CONNECTION	—	BACKFLOW PREVENTER TEST HEADER
F	SPRINKLER FLOW SWITCH	FE	ABC TYPE FIRE EXTINGUISHER MOUNTED ON WALL BRACKET
—	REMOTE INSPECTOR'S TEST CONNECTION	FE	ABC TYPE FIRE EXTINGUISHER MOUNTED IN SEMI-RECESSED WALL CABINET
—	CHECK VALVE	FE	CO2 TYPE FIRE EXTINGUISHER MOUNTED ON WALL BRACKET
—	PRESSURE GAUGE	—	TEST AND DRAIN CONNECTION c/w PRESSURE RELIEF
—	CONTROL VALVE c/w TAMPER SWITCH	—	
—	N.C.	—	NORMALLY CLOSED BUTTERFLY VALVE

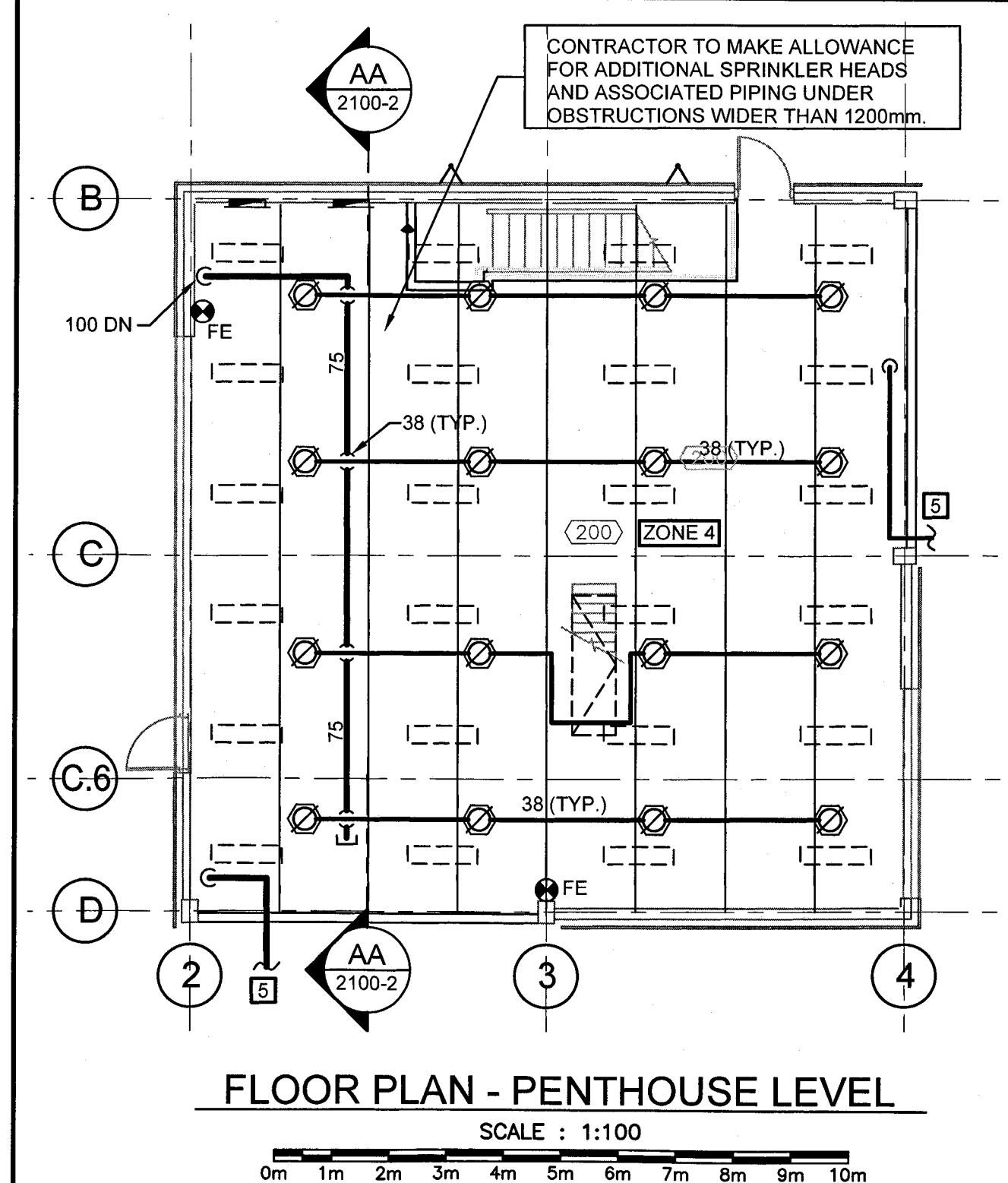
HAZARD TABLE		
LOCATION	OCCUPANCY	DESIGN CRITERIA
MAIN BUILDING (WET)	LIGHT HAZARD (GENERAL OFFICES, CORRIDORS, DETENTION CELLS)	4.1 L/min/m <sup>2</sup> OVER A MINIMUM 83.6 m <sup>2</sup> (900 ft <sup>2</sup> ) PLUS 378 L/min HOSE ALLOWANCE
	ORDINARY HAZARD GROUP 1 (MECHANICAL ROOMS, GARAGE BAY, ELECTRICAL ROOMS, STORAGE ROOMS)	8.1 L/min/m <sup>2</sup> OVER A MINIMUM 103 m <sup>2</sup> (1103 ft <sup>2</sup> ) PLUS 946 L/min HOSE ALLOWANCE
MAIN BUILDING (PRE-ACTION)	ORDINARY HAZARD GROUP 2 (SECURE ROOMS)	8.1 L/min/m <sup>2</sup> OVER THE ENTIRE AREA OF THE ROOM PLUS 946 L/min HOSE ALLOWANCE

- KEYNOTES**
- ROUTE 25 REMOTE INSPECTOR'S TEST PIPE DOWN IN WALL CAVITY TO EXTERIOR (600mm ABOVE GRADE) c/w 600x600 CONCRETE PATIO PAVEN ON GRADE AT DRAIN LOCATION. SEAL WALL PENETRATION WEATHER TIGHT.
  - ROUTE SPRINKLER MAIN THRU CEILING SPACE. COORDINATE ROUTING WITH PLUMBING PIPING, DUCTWORK, LIGHTING ON SITE TO AVOID CONFLICTS.
  - NO OPTIONS TO SPECIFIED INSTITUTIONAL SPRINKLER HEADS ALLOWED.
  - ROUTE SPRINKLER PIPING THRU CORRIDOR HIGH CEILING SPACE. COORDINATE ROUTING WITH DUCTWORK, ELECTRICAL, ETC. ON SITE TO AVOID CONFLICTS. SEE PENTHOUSE PLAN FOR PIPING CONTINUATION.
  - REFER TO MAIN FLOOR PLAN ON THIS DRAWING FOR PIPING CONTINUATION.
  - REFER TO PENTHOUSE PLAN ON THIS DRAWING FOR PIPING CONTINUATION.
  - LOCATE DEFLECTOR BETWEEN 150mm AND 300mm BELOW CEILING.
  - UP TO MECHANICAL ROOM 200 ABOVE. REFER TO PENTHOUSE PLAN ON THIS DRAWING.

PIPE SIZE TABLE - LIGHT HAZARD			
No. OF HEADS (BRANCH LINE)	PIPE SIZE	CROSSMAIN SIZE	FEED MAIN SIZE
1-2	25mm	75mm	75mm
3	32mm		
4	38mm		
REMAINDER	50mm		
NOTES: - PIPE SIZES ARE TO BE AS STATED ABOVE UNLESS NOTED OTHERWISE.			

PIPE SIZE TABLE ORDINARY HAZARD		
BRANCH LINE SIZE	CROSSMAIN SIZE	FEED MAIN SIZE
38mm	75mm	100mm
NOTES: - PIPE SIZES ARE TO BE AS STATED ABOVE UNLESS NOTED OTHERWISE.		

PIPE SIZE TABLE SECURE ROOMS		
BRANCH LINE SIZE	CROSSMAIN SIZE	FEED MAIN SIZE
25mm	75mm	100mm
NOTES: - PIPE SIZES ARE TO BE AS STATED ABOVE UNLESS NOTED OTHERWISE.		



FLOOR PLAN - PENTHOUSE LEVEL  
SCALE : 1:100

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CONST. NORTH

KEY PLAN

SCALE - NTS

**GENERAL NOTES**

- SPRINKLER HEADS INSTALLED 300mm OR LESS FROM ELECTRIC RADIANT CEILING PANELS TO BE INTERMEDIATE TEMPERATURE RATING OF 93°C (200°F).
- REFER TO REFERENCE DRAWING 601-4 FOR REFLECTED CEILING PLAN.

REGISTERED PROFESSIONAL ENGINEER  
#5761  
Robert J. MacQuarrie  
February 17, 2016  
Ingénieur Immobilier

0	RELEASED FOR CONSTRUCTION	01/29/2016
revisions		date
project	NEW G.O.C.B SAINT-LÉONARD NEW BRUNSWICK	project
drawing		design
designed	RDD	conçu
date	JANUARY 29, 2016	
drawn	RDD	dessiné
date	JANUARY 29, 2016	
approved	DAG	approuvé
date	FEBRUARY 17, 2016	
Tender	Project Manager	Administrateur de projets TPSCG
project number	R.069499.001	no. du projet
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