

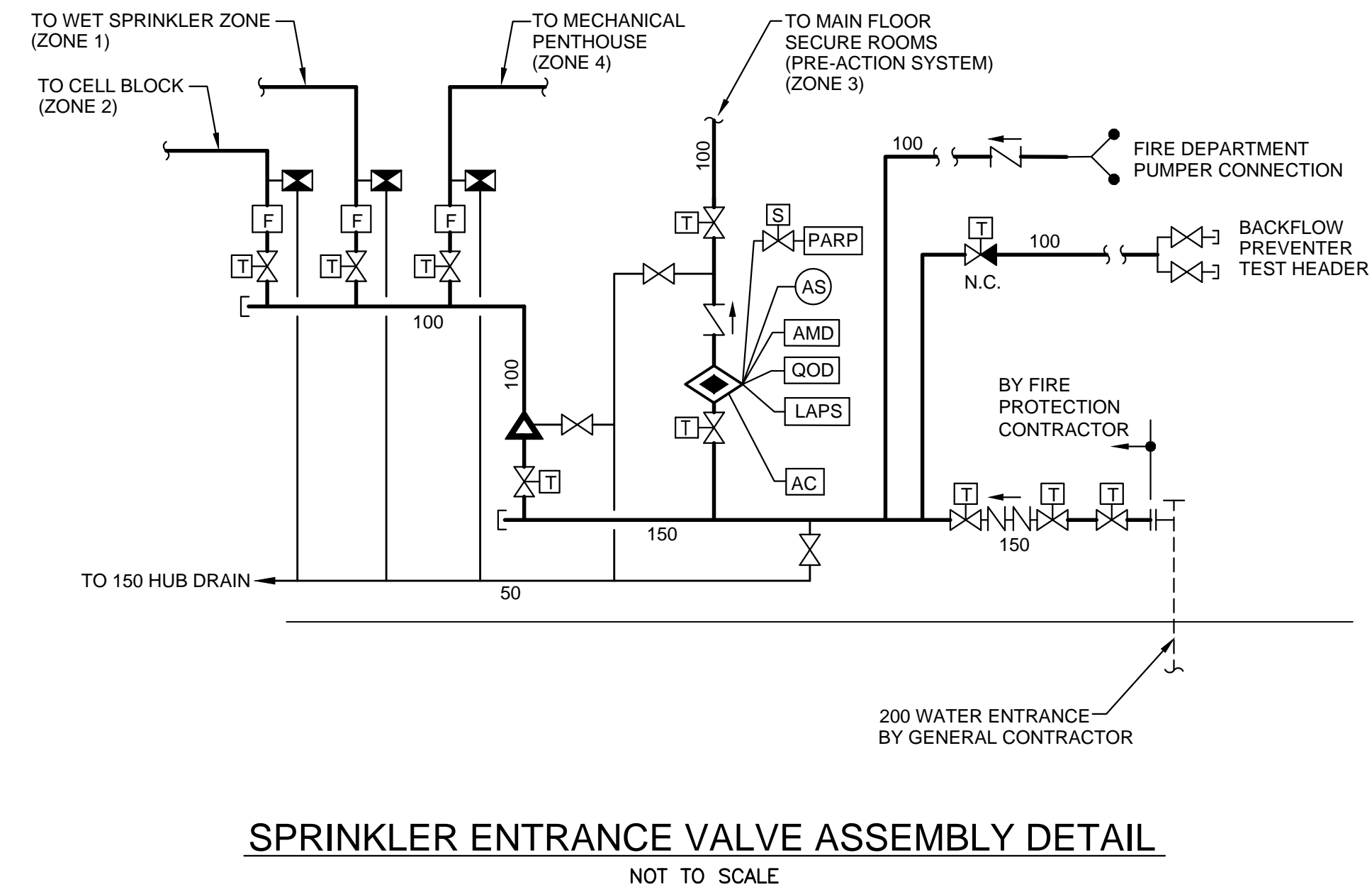
HAZARD TABLE		
LOCATION	OCCUPANCY	DESIGN CRITERIA
MAIN BUILDING (WET)	LIGHT HAZARD (GENERAL OFFICES, CORRIDORS, DETENTION CELLS)	4.1 L/min/m ² OVER A MINIMUM 83.6 m ² (900 ft ²) PLUS 378 L/min HOSE ALLOWANCE
	ORDINARY HAZARD GROUP 1 (MECHANICAL ROOMS, GARAGE BAY, ELECTRICAL ROOMS, STORAGE ROOMS)	6.1 L/min/m ² OVER A MINIMUM 103 m ² (1103 ft ²) PLUS 946 L/min HOSE ALLOWANCE
MAIN BUILDING (PRE-ACTION)	ORDINARY HAZARD GROUP 2 (SECURE ROOMS)	8.1 L/min/m ² 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 (500mm ABOVE GRADE) c/w 600x600 CONCRETE PATIO PAYER 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.

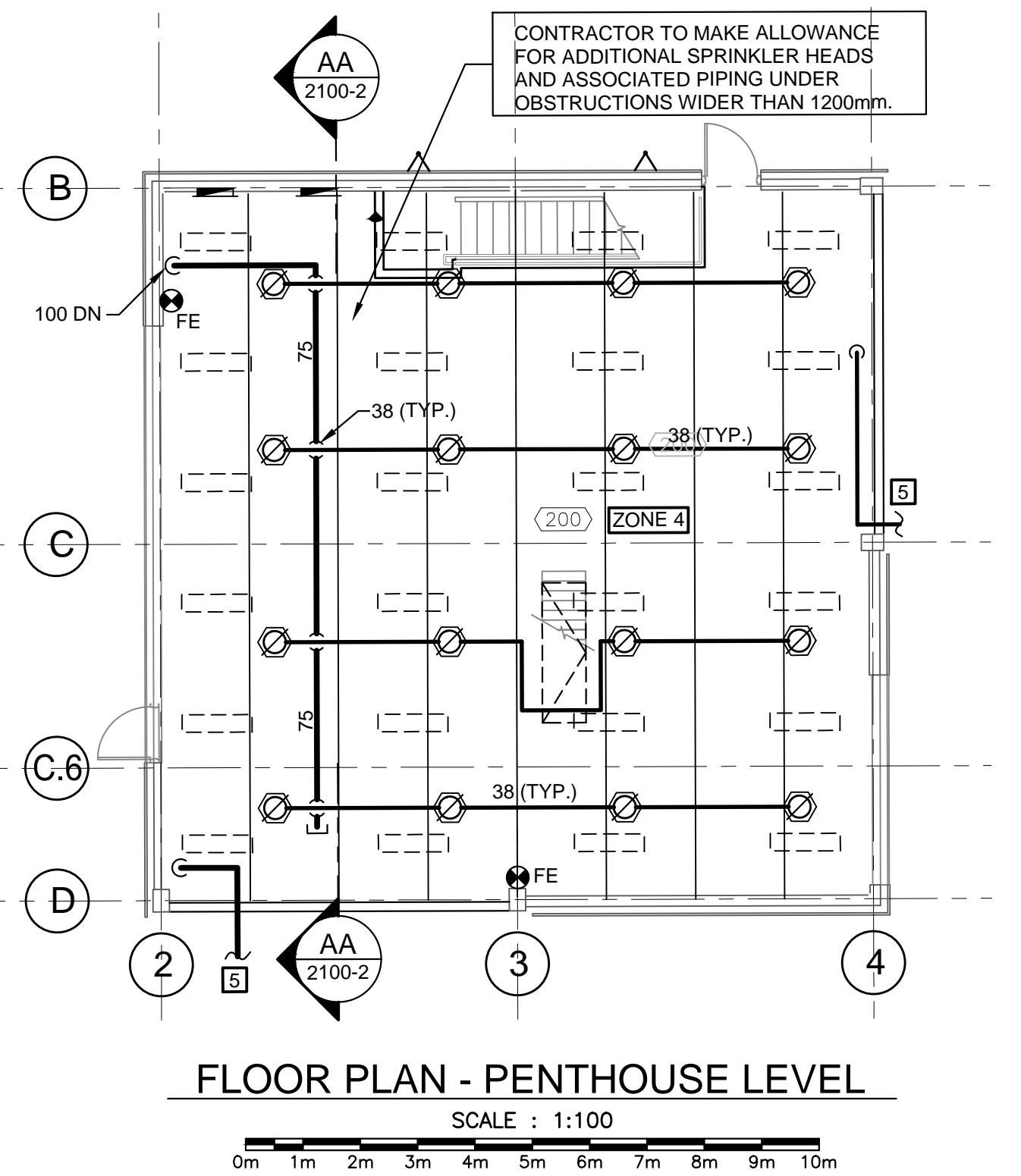
PIPE SIZE TABLE - LIGHT HAZARD			
No. OF HEADS (BRANCH LINE)	PIPE SIZE	CROSSMAIN SIZE	FEED MAIN SIZE
1 - 2	25mm	75mm	75mm
3	32mm		
4	38mm		
REMAINDER	50mm		
NOTES: - PIPE SIZES ARE TO BE AS STATED ABOVE UNLESS NOTED OTHERWISE.			

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.		



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)		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)		LOW AIR PRESSURE SWITCH
	STANDARD RESPONSE HORIZONTAL SIDEWALL SPRINKLER, 68°C (155°F), 15mm ORIFICE (1/2"), K = 161.3 (11.2)		QUICK OPENING DEVICE
	QUICK RESPONSE DRY PENDENT SPRINKLER, 68°C (155°F), K = 5.6		AIR MAINTENANCE DEVICE
	RISER UP		AIR COMPRESSOR
	TEE DOWN		PREACTION SYSTEM RELEASE PANEL (BY DIV. 28)
	PIPE DOWN		FIRE DEPARTMENT PUMPER CONNECTION
	FLUSHING/CAPPED CONNECTION		BACKFLOW PREVENTER TEST HEADER
	SPRINKLER FLOW SWITCH		ABC TYPE FIRE EXTINGUISHER MOUNTED ON WALL BRACKET
	REMOTE INSPECTOR'S TEST CONNECTION		ABC TYPE FIRE EXTINGUISHER MOUNTED IN SEMI-RECESSED WALL CABINET
	CHECK VALVE		CO2 TYPE FIRE EXTINGUISHER MOUNTED ON WALL BRACKET
	PRESSURE GAUGE		TEST AND DRAIN CONNECTION c/w PRESSURE RELIEF
	CONTROL VALVE c/w TAMPER SWITCH		
	NORMALLY CLOSED BUTTERFLY VALVE		



exp Architects Inc.
T: +1 506 452 3000 | F: +1 506 459 3954
1133 Regent Street, Suite 300
Fredericton, NB E3B 3Z2
CANADA
www.exp.com

exp Project No. FRE-00214763-A5

BUILDINGS - EARTH & ENVIRONMENT
ENERGY - INDUSTRIAL
INFRASTRUCTURE - SUSTAINABILITY

exp Services Inc.
T: +1 506 452 3000 | F: +1 506 459 3954
1133 Regent Street, Suite 300
Fredericton, NB E3B 3Z2
CANADA
www.exp.com

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.

0	RELEASED FOR CONSTRUCTION	01/29/2016
revisions		date
project	NEW G.O.C.B SAINT-LEONARD NEW BRUNSWICK	
drawing	design	
designed RDD	conçu	
date JANUARY 29, 2016		
drawn RDD	dessiné	
date JANUARY 29, 2016		
approved DAG	approuvé	
date FEBRUARY 17, 2016		
Tender	Soumission	
PWSSC Project Manager	Administrateur de projets TPSSC	
project number	R.069499.001	
drawing no.	2100-1	

E-DRM/GDD-E: 527793