

- ① DRAINING NOTES. (R/W/CL/STORM DRAINAGE).
- ② 100mm PML DOWN FROM HIGH LEVEL. 2 ROOF-CONNECT 75mm PML FROM LOWER ROOF AT GRID '5'. IN LEVEL. 1 CEILING SPACE.
- ③ 100mm PML DOWN TO ANTIROOM IN ROOM 106 TO EXIT BUILDING. PROVIDE CANTEROUT IN ROOM 106. SEE PLAN 1 ON DRAWING M2.
- ④ PML IN LEVEL. 1 CEILING SPACE (SIZE AS INDICATED). 2 ROOF-PROVIDE ALL FITTINGS AS REQUIRED TO FOR CONTINUATION. FOR CONTINUATION SEE PLAN 1 (THIS SHEET).
- ⑤ PML IN LEVEL. 2 CEILING SPACE (SIZE AS INDICATED). UP TO CONNECT ROOF DRAIN ON HIGH LEVEL. 2 ROOF-PROVIDE ALL FITTINGS AS REQUIRED TO FOR CONTINUATION. FOR CONTINUATION SEE PLAN 1 (THIS SHEET).
- ⑥ 150mm BUILDING STORM DRAIN. REDUCE DOWN TO 100MM ONCE INSIDE BUILDING.
- ⑦ PML RUN IN LEVEL. 1 CEILING SPACE.
- ⑧ PML RUN IN LEVEL. 2 CEILING SPACE.
- ⑨ ROOF MOUNTED CONDENSING UNIT. SEE SCHEDULE AND SPECIFICATIONS FOR DETAILS.
- ⑩ 50mm VENT PIPE DRAIN. FOR INTERCEPTOR AT ELEVATOR PIT DRAIN. FOR CONTINUATION SEE PLAN 1 ON DRAWING M2.
- ⑪ 50mm PML DOWN TO ANTIROOM IN ROOM 106. PROVIDE CANTEROUT AND TERMINATE AT DIFFERENT HEIGHTS.
- ⑫ 100mm VENT LINE. FOR CONTINUATION SEE PLAN 2 ON DRAWING M2.

ROOM NAME LIST - LEVEL 1

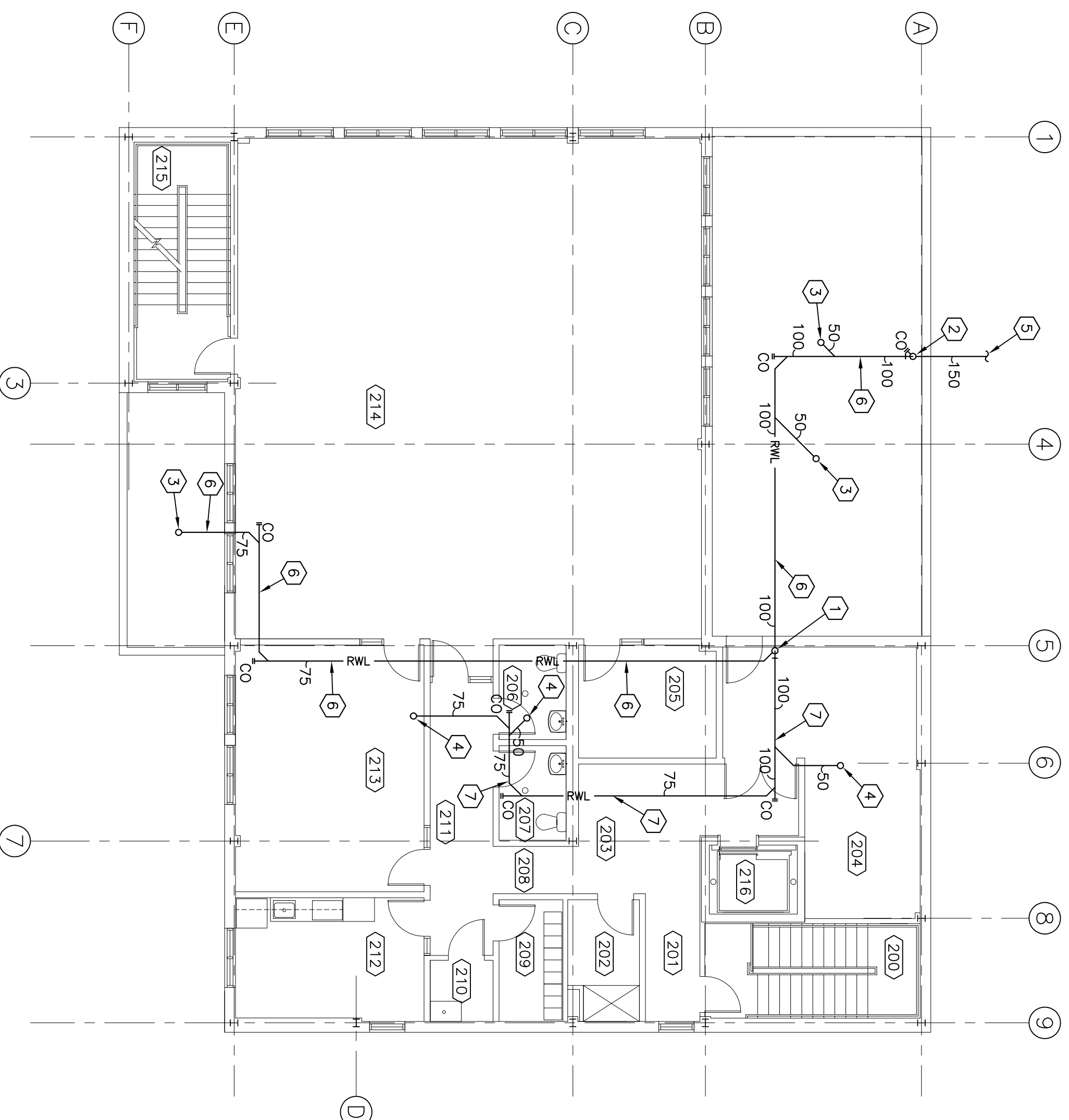
- 100 VESTIBULE
- 101 LOBBY
- 102 LOBBY
- 103 ELECTRICAL
- 104 MCTS OIC
- 105 KITCHEN
- 106 HALL
- 107 WATER ENTRY
- 108 LAN ROOM
- 109 RECYCLING
- 110 CORRIDOR
- 111 WORKSHOP EQUIPMENT (COPIER)
- 112 MCTS STORAGE
- 113 WORKSHOP - DIRTY
- 114 E&I WORKSHOP EQUIPMENT ROOM
- 115 MCK #1P
- 116 MCK #2P
- 117 VESTIBULE
- 118 CORRIDOR
- 119 E&I WORKSHOP EQUIPMENT ROOM
- 120 E&I WORKSHOP EQUIPMENT ROOM
- 121 PACE SOLDERING STATION
- 122 WORKSTATION #1
- 123 WORKSTATION #2
- 124 WORKSTATION #3
- 125 WORKSTATION #4
- 126 WORKSTATION #4
- 127 WORKSTATION
- 128 UNIVERSAL WASHROOM
- 129 UNIVERSAL WASHROOM
- 130 CORRIDOR
- 131 STAR #1
- 132 ELEVATOR

ROOM NAME LIST - LEVEL 2

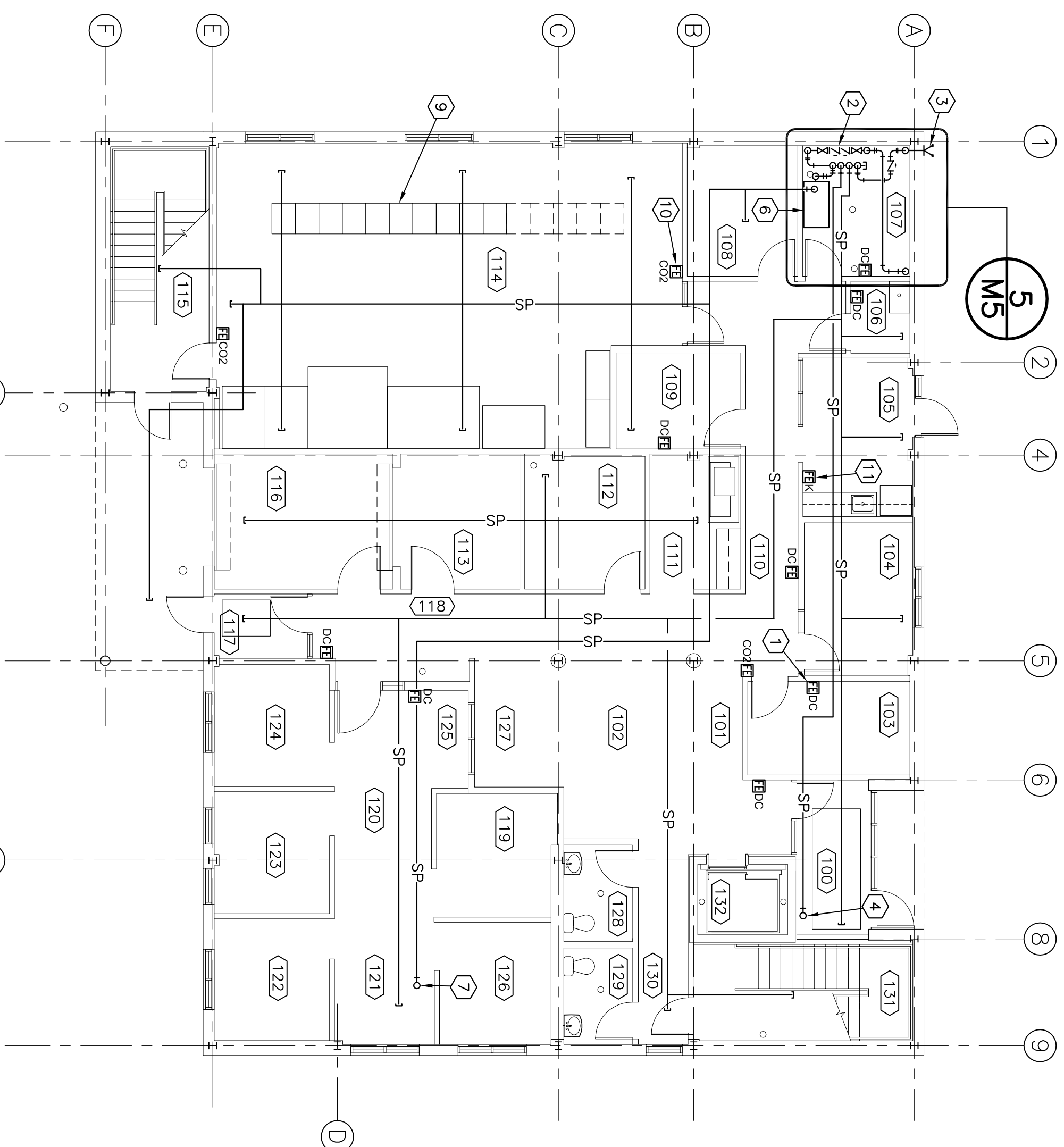
- 200 STAIR #1  
201 CORRIDOR  
202 SHOWER ROOM  
203 LOBBY  
204 MECHANICAL ROOM  
205 WCTS DEBRIEF  
206 UNIVERSAL WASHROOM  
207 UNIVERSAL WASHROOM  
208 UNIVERSAL WASHROOM  
209 WCTS LOCKER ROOM  
210 JANITOR  
211 CORRIDOR  
212 WCTS KITCHEN  
213 SHARED BOARDROOM/TRAINING  
214 WCTS OPERATIONS ROOM  
215 STAIR #2  
216 ELEVATOR

DRAWING LEGEND - RWL/STORM DRAINAGE & FIRE PROTECTION

1	RM	1	RAIN WATER LEADER
2	RM	2	ROOF DRAIN
3	RM	3	CLEANOUT
4	PE	4	PIPE ELBOW DOWN
5	PE	5	PIPE ELBOW UP
6	PE	6	GATE VALVE
7	PE	7	CHECK VALVE
8	PE	8	FIRE DEPARTMENT CONNECTION
9	SP	9	SPRINKLER PIPING
10	DC	10	DRY CHEMICAL FIRE EXTINGUISHER
11	KE	11	WET CHEMICAL CLASS K FIRE EXTINGUISHER
12	CO <sub>2</sub>	12	CARBON DIOXIDE FIRE EXTINGUISHER
13	CO <sub>2</sub>	13	A – PLAY, SECTION, ELEVATION, OR DETAIL NUMBER
14	CO <sub>2</sub>	14	B – NUMBER OF THE DRAWING WHERE THE ABOVE IS DRAWN



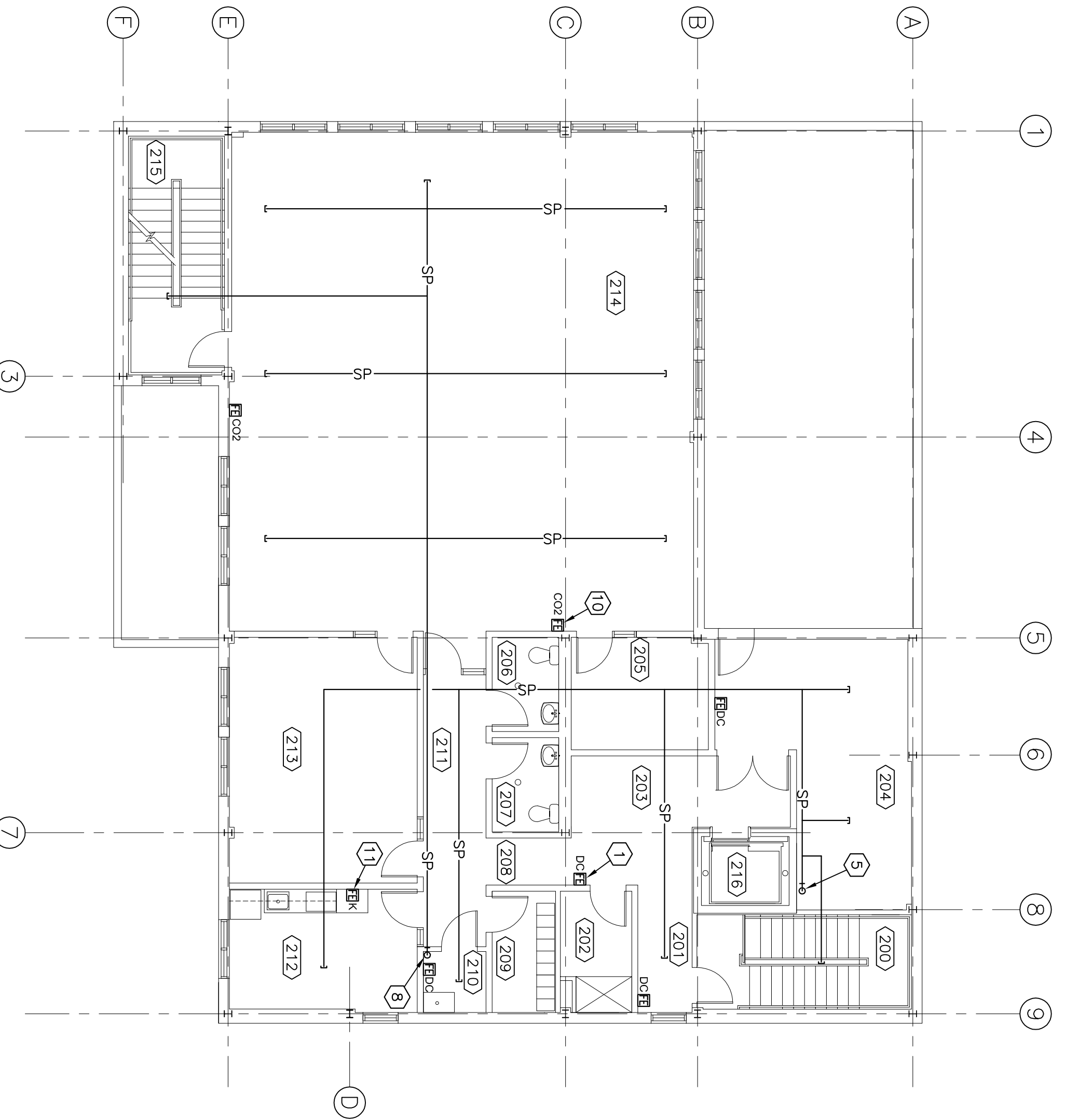
## RWL/STORM DRAINAGE PIPING PLAN



- DRAWING NOTES (FIRE PROTECTION):
- 1 4x8x MULTIPURPOSE DRY CHEMICAL FIRE EXTINGUISHER MOUNTED ON WALL BRACKET. (TYPICAL). SEE PLANS 2 AND 4 THIS DRAWING FOR LOCATIONS AND QUANTITY.
- 2 SPRINKLER WATER ENTRANCE. SEE DETAIL 5 ON DRAWING M6.
- 3 FIRE DEPARTMENT CONNECTION.
- 4 WET SPRINKLER MAIN UP THROUGH FLOOR TO FLOOR SLEEPER. SEE DETAIL 1 ON DRAWING M6. SEE PLAN 4 THIS SHEET. FLOOR PENETRATION TO BE SLEEVED AND FIRE STOPPED.
- 5 WET SPRINKLER MAIN DOWN FOR CONTINUATION SEE PLAN 2 THIS SHEET.
- 6 SEE CONTAINED DOUBLE INTERLOCK SYSTEM ACCESSIBLE SYSTEM SERVING ROOMS 108, 114, 214, STAIR #2 (BOTH LEVELS) AND UNDER EXTERIOR CANOPY AS SHOWN. SEE SPECIFICATION FOR DETAILS.
- 7 DRY SPRINKLER MAIN UP THROUGH FLOOR TO SEVEN SECOND LEVEL. FOR CONTINUATION SEE PLAN 4 THIS SHEET. FLOOR PENETRATION TO BE SLEEVED AND FIRE STOPPED.
- 8 DRY SPRINKLER MAIN DOWN FOR CONTINUATION SEE PLAN 2 THIS SHEET.
- 9 SEVERAL RACKS. SPRINKLER HEAD LAYOUT TO PROVIDE COVERAGE AS REQUIRED BY NFPA 13.
- 10 CARBON DIOXIDE FIRE EXTINGUISHER MOUNTED ON WALL BRACKET. SEE PLANS 2 AND 4 THIS SHEET FOR LOCATIONS AND QUANTITY. SEE SPECIFICATIONS FOR MORE DETAILS.
- 11 WET CHEMICAL CLASS K FIRE EXTINGUISHER MOUNTED ON WALL BRACKET. SEE PLANS 2 AND 4 THIS SHEET FOR LOCATIONS AND QUANTITY. SEE SPECIFICATIONS FOR MORE DETAILS.

## LEVEL 1 FIRE PROTECTION PLAN

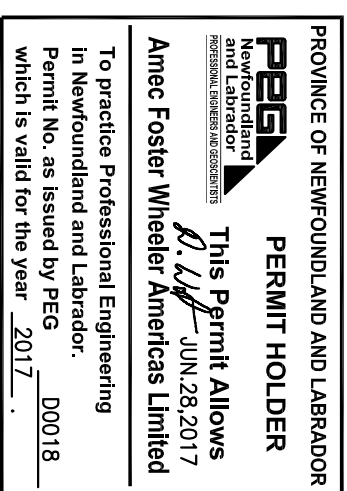
- NOTE:
1. PROPOSED SPRINKLER MAINS ROUTING SHOWN FOR REFERENCE ONLY. ACTUAL ROUTING AND SPRINKLER HEAD LAYOUT AS PER NFPA 13 REQUIREMENTS FOR LIGHT HAZARD. SEE SPECIFICATION FOR MORE DETAILS.
  2. FLOW TEST DATA COULD NOT BE COLLECTED AT THIS SITE AS EXISTING FIRE HYDRANTS IN THE AREA WERE NOT OPERABLE.



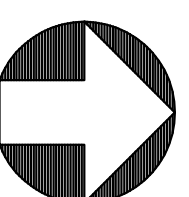
## LEVEL 2 FIRE PROTECTION PLAN

NOTE:

1. PROPOSED SPRINKLER MAINS ROUTING SHOWN FOR REFERENCE ONLY. ACTUAL ROUTING AND SPRINKLER HEAD LAYOUT AS PER NFPA 13 REQUIREMENTS FOR LIGHT HAZARD. SEE SPECIFICATION FOR MORE DETAILS.
2. FLOW TEST DATA COULD NOT BE COLLECTED AT THIS SITE AS EXISTING FIRE HYDRANTS IN THE AREA WERE NOT OPERABLE.



APPROX. NORTH-



NOTES:

1. CONTRACTOR TO VERIFY ALL SITE CONDITIONS, LOCATIONS AND DIMENSIONS PRIOR TO COMMENCING WORK. TRACE OUT ALL SYSTEMS BEFORE INITIATING WORK. COORDINATE SYSTEM SHUT DOWNS & SERVICE INTERRUPTIONS WITH OWNER.
2. PROVIDE ALL MATERIALS & LABOUR REQUIRED TO INSTALL ALL REQUIRED COMPONENTS IN ACCORDANCE WITH APPLICABLE CODES, REGULATIONS & DRAININGS THAT FORM PART OF THIS CONTRACT.

4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

		JUN 2 2017
C	ISSUED FOR TENDER	MAY 2 2017
B	ISSUED FOR 99% REVIEW	APR 2 2017
A	ISSUED FOR CLIENT REVIEW	
revisions		date
project		project

MCTS CENTRE AND  
C&P BUILDING  
PLACENTIA

**MCTS CENTRE  
ROOF PLAN, PLUMBING  
& FIRE PROTECTION  
PLANS**

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