

SPRINKLER LEGEND

- PENDANT HEAD
- UPRIGHT HEAD
- △ SIDEWALL HEAD
- FIRE EXTINGUISHER

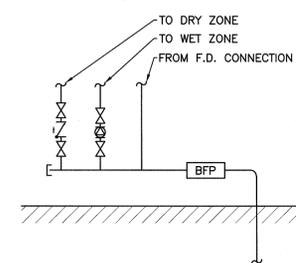
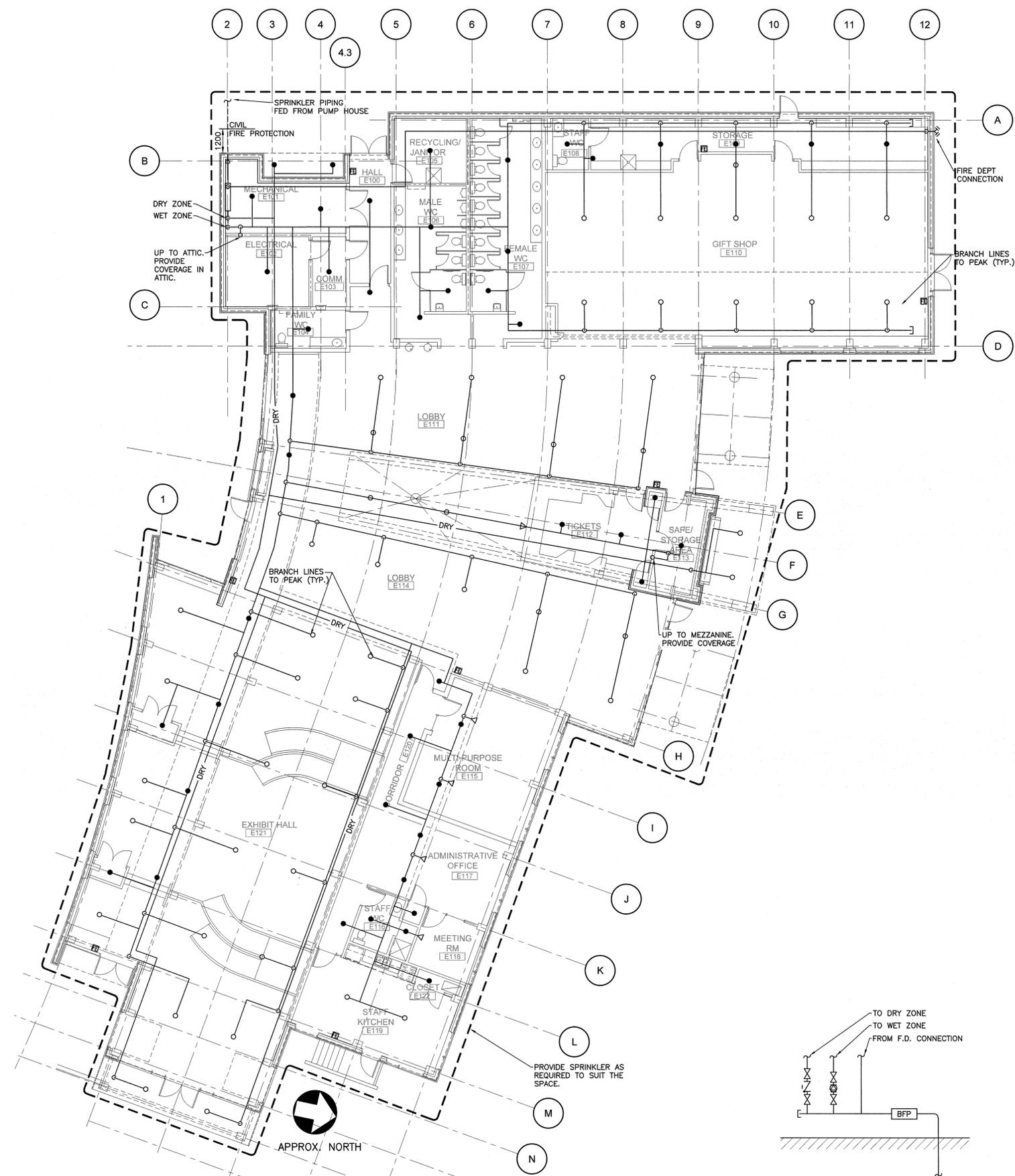
The Association of Professional Engineers of the Province of Prince Edward Island
Valid for the Year 2017
C.J. Rudick
No. 1459
DATE: 5/15/17
LICENSED PROFESSIONAL ENGINEER
PROVINCE OF PRINCE EDWARD ISLAND

revisions	date
5	ISSUED FOR TENDER 09.15.2017
4	RS4 100% SUBMISSION 09.01.2017
3	RS4 99% SUBMISSION 06.30.2017
2	RS4 66% SUBMISSION 05.31.2017
1	RS4 33% SUBMISSION 04.30.2017
0	RS3 SUBMISSION 03.31.2017

project GREEN GABLES-PHASE 2
NEW VISITOR CENTRE
QUEENS CO., PEI

drawing **MECHANICAL** design
FIRE PROTECTION FLOOR PLAN

designed	CJR	conçu
date	MAR-2017	
drawn	DTA	dessiné
date	MAR-2017	
approved		approuvé
date		
Tender	<i>[Signature]</i>	Soumission
PWSC Project Manager	Administrateur de projets TPSGC	
project number	R.081199.001	no. du projet
drawing no.	F01 OF 1	no. du dessin



FLOOR PLAN - FIRE PROTECTION 1
SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

DETAIL - SPRINKLER ENTRANCE 2

NOTES:

1. THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED AND INSTALLED BY THE CONTRACTOR. THE FIRE SPRINKLER DRAWINGS INCLUDED IN THIS SET OF CONTRACT DOCUMENTS ARE TO ASSIST IN PRICING AND FOR INFORMATION ONLY. THE SPRINKLER CONTRACTOR SHALL PROVIDE A FULL SET OF LAYOUTS SHOWING ALL PIPE SIZES, CONTROL ZONES, SPRINKLER ZONES AND REQUIRED SPRINKLER HEADS, c/w HYDRAULIC CALCULATIONS AND STAMPED BY A PROFESSIONAL ENGINEER. REFER TO THE MECHANICAL AND ARCHITECTURAL PLANS FOR INFORMATION AFFECTING THE SPRINKLER SYSTEM AND SPRINKLER HEAD LAYOUT. DESIGN TEAM IS TO IDENTIFY REQUIRED HYDRAULIC DEMAND AT THE SPRINKLER ENTRANCE BASED ON A MAXIMUM PRESSURE OF 414 kPa (60 PSI). PUMP HOUSE WILL BE DESIGNED AND INSTALLED AS PART OF A FUTURE CONTRACT.
2. THE SPRINKLER CONTRACTOR WILL BE RESPONSIBLE FOR ALL ASPECTS OF THE DESIGN, PROCUREMENT AND INSTALLATION OF THE SPRINKLER SYSTEM.
3. SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL CONFORM TO THE VERSION OF NFPA 13 AS REFERENCED IN THE CURRENT PROVINCIAL RECOGNIZED EDITION OF THE NBC AND NFC.
4. ALL SPRINKLER PIPES TO BE KEPT AS HIGH AS POSSIBLE AND COORDINATED WITH ALL OTHER TRADES. PROVIDE PIPE OFFSETS AS REQUIRED TO LOCATE SPRINKLER PIPING AND HEADS AS REQUIRED.
5. ALL HEADS TO BE LOCATED IN CENTER OF CEILING TILES. COORDINATE HEAD LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
6. CONTRACTOR TO ENSURE THAT THE PLACEMENT OF THE SPRINKLER HEADS MEET ALL CODE REQUIREMENTS, ARE COORDINATED WITH OTHER ITEMS AND THE ARCHITECTURAL DESIGN INTENT.
7. USE SEMI RECESSED HEADS IN ALL AREAS WITH CEILINGS.
8. RUN MAINS AND MAJOR BRANCHES AS SHOWN.
9. ALL PIPE SHALL BE CONCEALED EXCEPT IN AREAS WITHOUT FINISHED CEILINGS. PROVIDE COVERAGE IN COMBUSTIBLE CEILING SPACES AS REQUIRED BY NFPA 13.
10. TEMPERATURE RATING OF SPRINKLER HEADS IN MECHANICAL SPACES, ELECTRICAL ROOMS, ETC. TO BE 100° C.
11. ALL LOW POINT DRAINS AND ZONE VALVE DRAINS TO BE PIPED TO BUILDING DRAINS, 50mm MAIN DRAIN AND DRY PIPE INSPECTORS TEST TO BE PIPED TO OUTSIDE OF BUILDING. PIPING OF DRAINS SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR.
12. PROVIDE FIRE EXTINGUISHERS AS INDICATED AND AS REQUIRED BY NFPA 10.
13. ALL REQUIRED SWITCHES, MONITORED VALVES AND OTHER ANCILLARIES TO BE PROVIDED AND INSTALLED BY THIS CONTRACTOR. COORDINATE WITH THE FIRE ALARM CONTRACTOR.
14. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR THE PROVISION OF ALL NECESSARY WIRING.
15. PROVIDE PROTECTION CAGES ON ALL EXPOSED HEADS BELOW 3000mm AFF.
16. PROVIDE NEW HEADS THROUGHOUT BUILDING.