

15400 - FIRE PROTECTION

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|----|---|------|--|------|--|
| 1 | THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FIRE PROTECTION SYSTEMS SO AS TO PROTECT ALL LIFE AND PROPERTY AND STANDARDS AS WELL AS THE DESIGN INTERESTS OF THE CLIENT'S INTEREST TO ADEQUATELY PROTECT THE INSTALLATIONS ACCORDING TO THE STANDARDS INDICATED HEREIN. | 3.0 | LAWS, CODES, PERMITS AND REGULATIONS | 19.0 | SEISMIC PROTECTION |
| 2 | THE CONTRACTOR HAS THE MANDATE TO DESIGN THE SPRINKLER SYSTEM. HE SHALL MANAGE THE PROJECT AND BE RESPONSIBLE FOR THE DESIGN OF THE SYSTEM. HE SHALL BE RESPONSIBLE FOR THE EXISTING SYSTEM TO BE MODIFIED. THE PLANS SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE SYSTEM. HE SHALL BE RESPONSIBLE FOR THE EXISTING SYSTEM TO BE MODIFIED. THE PLANS SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA. | 4.0 | DO NOT PERMIT WORK BEFORE INSPECTION OF THE PROJECT CONSULTANT AND OTHER AUTHORIZED PERSONNEL HAVE JURISDICTION | 20.0 | THE DESIGN OF THE SEISMIC PROTECTIVE DEVICES MUST BE DONE BY AN ENGINEER WHO IS A MEMBER OF THE PROFESSIONAL ASSOCIATION OF THE SPECIFIED PROVINCE. |
| 3 | THE CONTRACTOR SHALL COORDINATE HIS WORKS WITH ALL OTHER TRADES AND SPECIALTIES TO AVOID EXISTING BUILDING OBSTACLES SO AS TO IMPROVE THE EQUIPMENT, DUCTS, PIPES AND OTHER ACCESSORIES AS FAR AS POSSIBLE SO AS TO HAVE MAXIMUM FREE CEILING CLEARANCE. | 5.0 | THE CONTRACTOR SHALL AT HIS EXPENSE, OBTAIN CERTIFICATES AND PERMITS FROM COMPETENT AUTHORITIES (E.G. LABOR, WATER, MUNICIPAL, FIRE, MARSHAL, AND OTHERS) AND FOLLOW APPLICABLE CODES AND STANDARDS THE MOST RESTRICTIVE TO BE APPLIED PRINCIPALLY FROM THE NBC, NFPA, NFPA, CONCERNED MUNICIPAL SERVICES. | 20.0 | THE SUBCONTRACTOR SHALL INCLUDE ALL COSTS AND FEES OF THE SPECIALIZED ENGINEERS. IN CASE OF THE INSTALLATION WORK DONE, THE SEISMIC PROTECTIVE DEVICES AND SYSTEMS MUST BE PROTECTED AND CERTIFIED BY THE ENGINEER WHICH HAS DESIGNED THE SEISMIC PROTECTIVE DEVICES. SUBMIT A COMPREHENSIVE CERTIFICATE AND A WRITTEN REPORT. |
| 4 | THE CONTRACTOR SHALL COORDINATE HIS WORKS WITH ALL OTHER TRADES AND SPECIALTIES TO AVOID EXISTING BUILDING OBSTACLES SO AS TO IMPROVE THE EQUIPMENT, DUCTS, PIPES AND OTHER ACCESSORIES AS FAR AS POSSIBLE SO AS TO HAVE MAXIMUM FREE CEILING CLEARANCE. | 6.0 | THE CONTRACTOR SHALL CONFORM TO THE MUNICIPAL, BY-LAWS AND APPLICABLE CODES IN FORCE SUCH AS NBC-200, NFPA-100, NFPA-13, 14, 20 AND 25 LATEST VERSION. | 20.0 | TEST |
| 5 | THE CONTRACTOR SHALL COORDINATE HIS WORKS WITH ALL OTHER TRADES AND SPECIALTIES TO AVOID EXISTING BUILDING OBSTACLES SO AS TO IMPROVE THE EQUIPMENT, DUCTS, PIPES AND OTHER ACCESSORIES AS FAR AS POSSIBLE SO AS TO HAVE MAXIMUM FREE CEILING CLEARANCE. | 7.0 | THE CONTRACTOR SHALL CONFORM TO THE MUNICIPAL, BY-LAWS AND APPLICABLE CODES IN FORCE SUCH AS NBC-200, NFPA-100, NFPA-13, 14, 20 AND 25 LATEST VERSION. | 20.0 | IN THE PRESENCE OF THE AUTHORITIES, MAKE TESTS IN ORDER TO PROVE THAT THESE WORKS FULLY COMPLY TO THE REQUIRED CONDITIONS. THE CONTRACTOR MUST SUBMIT THE PROJECT TEST PRESSURE RESULTS. |
| 6 | THE CONTRACTOR SHALL COORDINATE HIS WORKS WITH ALL OTHER TRADES AND SPECIALTIES TO AVOID EXISTING BUILDING OBSTACLES SO AS TO IMPROVE THE EQUIPMENT, DUCTS, PIPES AND OTHER ACCESSORIES AS FAR AS POSSIBLE SO AS TO HAVE MAXIMUM FREE CEILING CLEARANCE. | 8.0 | THE CONTRACTOR SHALL CONFORM TO THE MUNICIPAL, BY-LAWS AND APPLICABLE CODES IN FORCE SUCH AS NBC-200, NFPA-100, NFPA-13, 14, 20 AND 25 LATEST VERSION. | 20.0 | HYDRO-STATIC TEST UNDER A MINIMUM MAINTAINED PRESSURE OF 200 PSI (1380 KPA) FOR AT LEAST TWO HOURS. THE PRESSURE MUST NOT BE ABOVE 2% OF THE TEST PRESSURE AND PUMP MUST IN NO WAY SHOCK THE SYSTEM. |
| 7 | THE CONTRACTOR SHALL COORDINATE HIS WORKS WITH ALL OTHER TRADES AND SPECIALTIES TO AVOID EXISTING BUILDING OBSTACLES SO AS TO IMPROVE THE EQUIPMENT, DUCTS, PIPES AND OTHER ACCESSORIES AS FAR AS POSSIBLE SO AS TO HAVE MAXIMUM FREE CEILING CLEARANCE. | 9.0 | THE CONTRACTOR SHALL CONFORM TO THE MUNICIPAL, BY-LAWS AND APPLICABLE CODES IN FORCE SUCH AS NBC-200, NFPA-100, NFPA-13, 14, 20 AND 25 LATEST VERSION. | 20.0 | TESTS SHALL BE PERFORMED BEFORE PIPES TO BE IN SERVICE, COVERED OR COVERED IN ANY WAY. |
| 8 | THE CONTRACTOR SHALL COORDINATE HIS WORKS WITH ALL OTHER TRADES AND SPECIALTIES TO AVOID EXISTING BUILDING OBSTACLES SO AS TO IMPROVE THE EQUIPMENT, DUCTS, PIPES AND OTHER ACCESSORIES AS FAR AS POSSIBLE SO AS TO HAVE MAXIMUM FREE CEILING CLEARANCE. | 10.0 | THE CONTRACTOR SHALL CONFORM TO THE MUNICIPAL, BY-LAWS AND APPLICABLE CODES IN FORCE SUCH AS NBC-200, NFPA-100, NFPA-13, 14, 20 AND 25 LATEST VERSION. | 20.0 | AT THE END OF HIS WORKS THE CONTRACTOR MUST HAND OVER ALL THE MATERIAL, TEST CERTIFICATES AND INFORMATION INDICATED BY NFPA-13, ET AL. INDICATING THAT THE SYSTEM AND ITS COMPONENTS ARE IN OPERATION AS PER THESE STANDARDS. |
| 9 | THE CONTRACTOR SHALL COORDINATE HIS WORKS WITH ALL OTHER TRADES AND SPECIALTIES TO AVOID EXISTING BUILDING OBSTACLES SO AS TO IMPROVE THE EQUIPMENT, DUCTS, PIPES AND OTHER ACCESSORIES AS FAR AS POSSIBLE SO AS TO HAVE MAXIMUM FREE CEILING CLEARANCE. | 11.0 | THE CONTRACTOR SHALL CONFORM TO THE MUNICIPAL, BY-LAWS AND APPLICABLE CODES IN FORCE SUCH AS NBC-200, NFPA-100, NFPA-13, 14, 20 AND 25 LATEST VERSION. | 21.0 | MATERIAL |
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LEGEND		
IDENTIFICATION	MODEL CODE RESPONSE	MODEL STANDARD RESPONSE
② SEMI RECESSED SPRINKLER	MICROFAST (M) WITH GLASS FUSE (E-3), CHROME PLATED ESCUTCHEON ALTERNATE	MICROMATIC (M) WITH GLASS FUSE (E-3), CHROME PLATED ESCUTCHEON ALTERNATE
③ UPRIGHT TYPE SPRINKLER	MICROFAST (M) WITH GLASS FUSE, WINKING OR APPROVED ALTERNATE	MICROMATIC (M) WITH GLASS FUSE, WINKING OR APPROVED ALTERNATE
④ RZ CONCEALED TYPE SPRINKLER HEAD, COVER PLATE TO BE BRONZE COLOR	HORIZON - MIRAGE, MODEL R-2 CODE RESPONSE WINKING OR APPROVED ALTERNATE	HORIZON - MIRAGE, MODEL R-2 WINKING OR APPROVED ALTERNATE
⑤ CB CONCEALED TYPE SPRINKLER HEAD, COVER PLATE TO BE BLACK COLOR		
⑥ WH CONCEALED TYPE SPRINKLER HEAD, COVER PLATE TO BE WHITE COLOR		

BUILDING DESCRIPTION			
-IN ACCORDANCE WITH N.B.C. THIS BUILDING IS CLASSIFIED: E			
-TOTAL AREA : 700 SQ.FT.			
-TYPE : COMMERCIAL			
-CONSTRUCTION : NONCOMBUSTIBLE			
ZONES	A	B	C
DESCRIPTION	OFFICE	SALES AREA	STORAGE
LEVEL OR ROOM NUMBER	RDC	RDC	RDC
SYSTEM TYPE	WET PIPE	WET PIPE	WET PIPE
DENSITY	0.10 /sqm / sq.ft.	0.20 usqm / sq.ft.	0.20 usqm / sq.ft.
DESIGN AREA	900 SQ.FT.	1500 SQ.FT.	1500 SQ.FT.
CEILING HEIGHT	SEE ARCH.	SEE ARCH.	SEE ARCH.
CEILING TYPE	SEE ARCH.	SEE ARCH.	SEE ARCH.
COVERAGE MAX / SPRINKLER	225 FT ²	130 FT ²	130 FT ²
SPRINKLER TEMP.	155 F	155 F	212 F
RESPONSE TIME	QUICK	QUICK	STANDARD
HOSE ALLOWANCE	100 usqm	250 usqm	250 usqm
CLASSIFICATION OF OCCUPANCY	LIGHT	ORDINARY GROUP 2	ORDINARY GROUP 2
<p>NOTES</p> <p>LOCATION OF SPRINKLERS IS SHOWN FOR INFORMATION PURPOSES ONLY. FINAL CONFIGURATION IS UNDER THE RESPONSIBILITY OF SPRINKLER SUBCONTRACTOR AND WILL HAVE TO BE IN CONFORMITY WITH RELEVANT BUILDING SUBCONTRACTOR AND WILL HAVE TO BE IN CONFORMITY WITH RELEVANT BUILDING CODES, NFPA 13 AND CONSTRUCTION SITE CONDITIONS.</p> <p>IN ADDITION TO NEW SPRINKLERS SHOWN ON THE PLANS, CHANGES SHOULD BE MADE TO EXISTING NETWORK OF SPRINKLERS IN ORDER TO MEET NEW LAYOUT REQUIREMENTS AND ENSURE COMPLIANCY WITH RELEVANT BUILDING CODES AND NFPA 13.</p>			

[illegible]

Rene Tringali
architecture

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ARCHITECT'S BCDN No.: 5744

CLIENT

BESTSELLER

225-A DE LIEGE OUEST
MONTREAL, QUEBEC, H2P 1H4

SEAL	DESIGN
	C. KALLIS
	DRAWN
	C. KALLIS
	CHECKED
	S. LAROUCHE
	APPROVED
	S. SIRARD

PROJECT

PROJECT
POLO PARK - CF 1485

PORTAGE AVENUE

WINNIPEG, MANITOBA
R3G 0W4

C.R.U. NO.: 304 & 305

TITLE

MECHANICAL
FIRE PROTECTION /
PERFORMANCE DESIGN

DATE	SCALE
NOVEMBER 2015	NO SCALE
PROJECT	DRAWING No
15-583	F-1