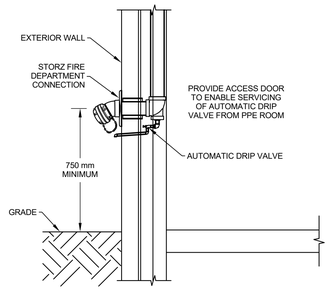
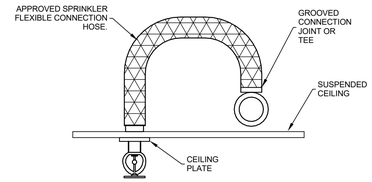


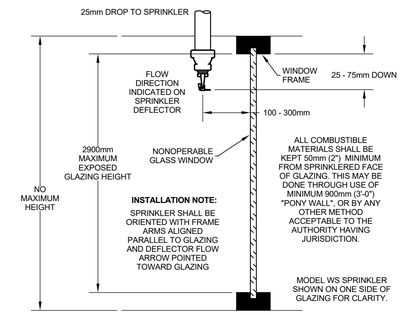
FIRE DEPARTMENT CONNECTION

SCALE: N.T.S



SPRINKLER TAKE-OFF DETAIL - FLEXIBLE PIPE

SCALE: N.T.S.

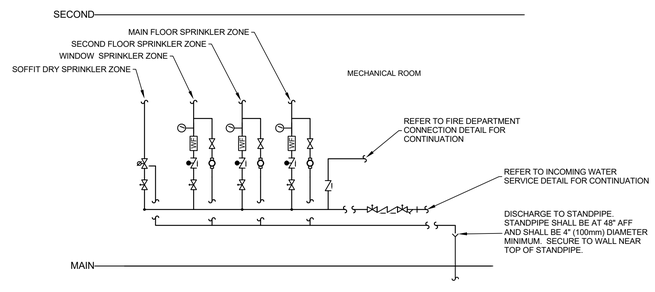


VERTICAL WINDOW SPRINKLER

SCALE: N.T.S

SPRINKLER COVERAGE SCHEDULE

SPACE				HAZARD LEVEL	SPRINKLER HEAD			OBSTRUCTED / UNOBSTRUCTED
NUMBER	NAME	LEVEL	AREA		TYPE	ORIENTATION	SERVICE CONDITION	
3.12	FLOOR WATCH	1-Main	233 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
34	VEST	1-Main	64 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
44	CORRIDOR	2-Second	709 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
51	SHAFT	2-Second	31 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
100	VESTIBULE	1-Main	97 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
101	LOBBY	1-Main	325 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
102	TRAINING CLASSROOM	1-Main	844 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
102A	STORAGE	1-Main	96 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
102B	STORAGE	1-Main	93 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
103	UTR	1-Main	79 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
104	WR	1-Main	42 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
105	IT	1-Main	76 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
106	LOBBY	1-Main	192 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
107	VESTIBULE	1-Main	148 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
107.1	STORAGE	1-Main	76 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
109	CORRIDOR	1-Main	388 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
110	JAN.	1-Main	32 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
111	CAPT & LEUT OFFICE	1-Main	129 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
111A	SLEEP QTRS	1-Main	71 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
112	STORAGE	1-Main	26 SF	Ordinary (Group 2)	As per NFPA	Pendant	Standard	Unobstructed Construction
113	SHOWER	1-Main	86 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
114	INVESTIGATION OFFICE	1-Main	130 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
114A	SLEEP QTRS	1-Main	68 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
115	HAZMAT EQUIPMENT STORAGE	1-Main	255 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
116	VESTIBULE	1-Main	59 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
117	APPARATUS BAYS	1-Main	4767 SF	Ordinary (Group 2)	As per NFPA	Pendant	Standard	Unobstructed Construction
118	AMB RESTOCK	1-Main	78 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
119	JANITOR	1-Main	46 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
120	WR	1-Main	45 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
121	EVIDENCE	1-Main	78 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
122	TOOL REPAIR	1-Main	72 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
123	HOSE WASH	1-Main	508 SF	Ordinary (Group 2)	As per NFPA	Pendant	Standard	Unobstructed Construction
124	SCBA	1-Main	177 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
125	PPE STORAGE	1-Main	468 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
126	SPRINKLER ROOM	1-Main	115 SF	Ordinary (Group 1)	As per NFPA	Pendant	Standard	Unobstructed Construction
200	FITNESS AREA	2-Second	740 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
202	KITCHEN	2-Second	862 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
203	DAY ROOM	2-Second	822 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
205	SLEEP QTRS	2-Second	104 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
206	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
207	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
208	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
209	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
210	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
211	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
212	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
213	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
214	SLEEP QTRS	2-Second	51 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
215	OFFICE	2-Second	143 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
216A	JANITOR	2-Second	50 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
216B	LAUNDRY	2-Second	65 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
217	SHOWER	2-Second	79 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
218	SHOWER	2-Second	79 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
219	SHOWER	2-Second	79 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
220	HOSE WASH	2-Second	503 SF	Ordinary (Group 2)	As per NFPA	Pendant	Standard	Unobstructed Construction
221	MECH/ELECTRICAL	2-Second	666 SF	Ordinary (Group 1)	As per NFPA	Pendant	Standard	Unobstructed Construction
STR1	STAIR 1	2-Second	199 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction
STR1	STAIRS	1-Main	107 SF	Light	As per NFPA	Pendant	Standard	Unobstructed Construction
STR2	STAIRS	1-Main	294 SF	Light	As per NFPA	Concealed	Standard	Unobstructed Construction
STR2	STAIR	2-Second	205 SF	Light	As per NFPA	Recessed	Standard	Unobstructed Construction



FIRE PROTECTION SCHEMATIC

SCALE: N.T.S

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ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization

Epp Siepman Engineering Inc.

No. 4035

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NO.	DATE	REVISION / ISSUANCE
0	2023.02.03	ISSUED FOR CONSTRUCTION

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Project

WFPS STATION 9

1083 AUTUMNWOOD DRIVE

Sheet Title

DETAILS - FIRE PROTECTION PLAN

Project No. 22028

Sheet MF4.1