

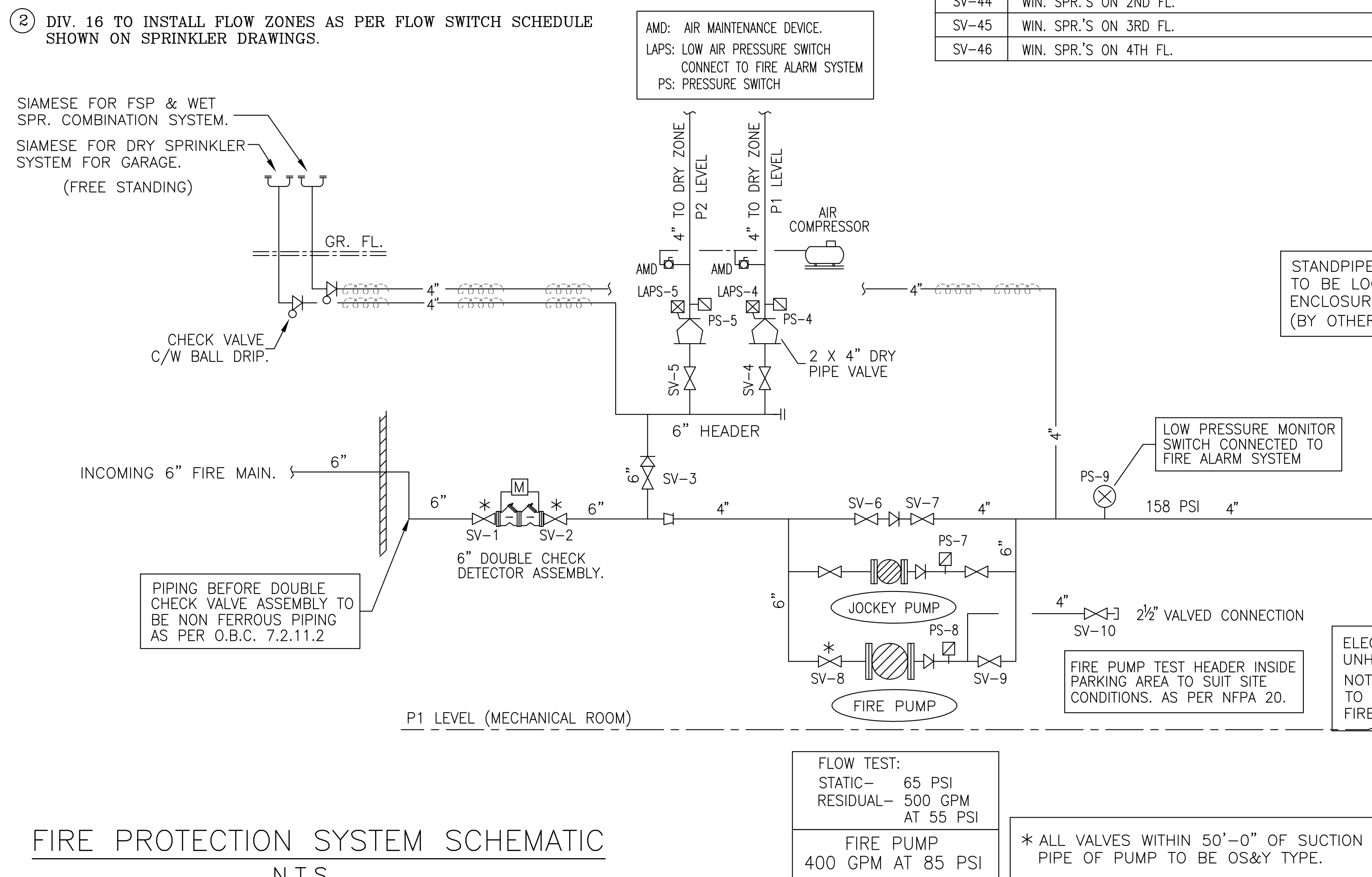
FIRE PROTECTION SYSTEM PRESSURE SWITCH SCHEDULE		
	LOW PRESSURE MONITOR SWITCH	
PS-4	PRESSURE SWITCH FOR P-1 PARKING DRY SPR. SYSTEM	SPRINKLER ROOM
PS-5	PRESSURE SWITCH FOR P-2 PARKING DRY SPR. SYSTEM	SPRINKLER ROOM
PS-7	PRESSURE SWITCH FOR JOCKEY PUMP	SPRINKLER ROOM
PS-8	PRESSURE SWITCH FOR FIRE PUMP	SPRINKLER ROOM
PS-9	PRESSURE SWITCH FOR COMBINATION FEED MAIN.	SPRINKLER ROOM
LAPS-1	LOW AIR PRESSURE SWITCH	SPRINKLER ROOM
LAPS-2	LOW AIR PRESSURE SWITCH	SPRINKLER ROOM

FIRE PROTECTION SYSTEM FLOW SWITCHES SCHEDULE		
ALL LOW PRESSURE SWITCHES TO BE CONNECTED TO ANNUNCIATION PANEL		
ZONE	DESCRIPTION	LOCATION
FS-21	SPR. SYSTEM ON GROUND LEVEL	GARAGE ROOM (170)
FS-22	SPR. SYSTEM IN GARAGE ROOM	GARAGE ROOM (170)
FS-23	SPR. RISER IN GARAGE CHUTE.	GARAGE ROOM (170)
FS-24	SPR. SYSTEM IN TOWNHOUSE AT NORTHEAST CORNER.	GARAGE ROOM (170)

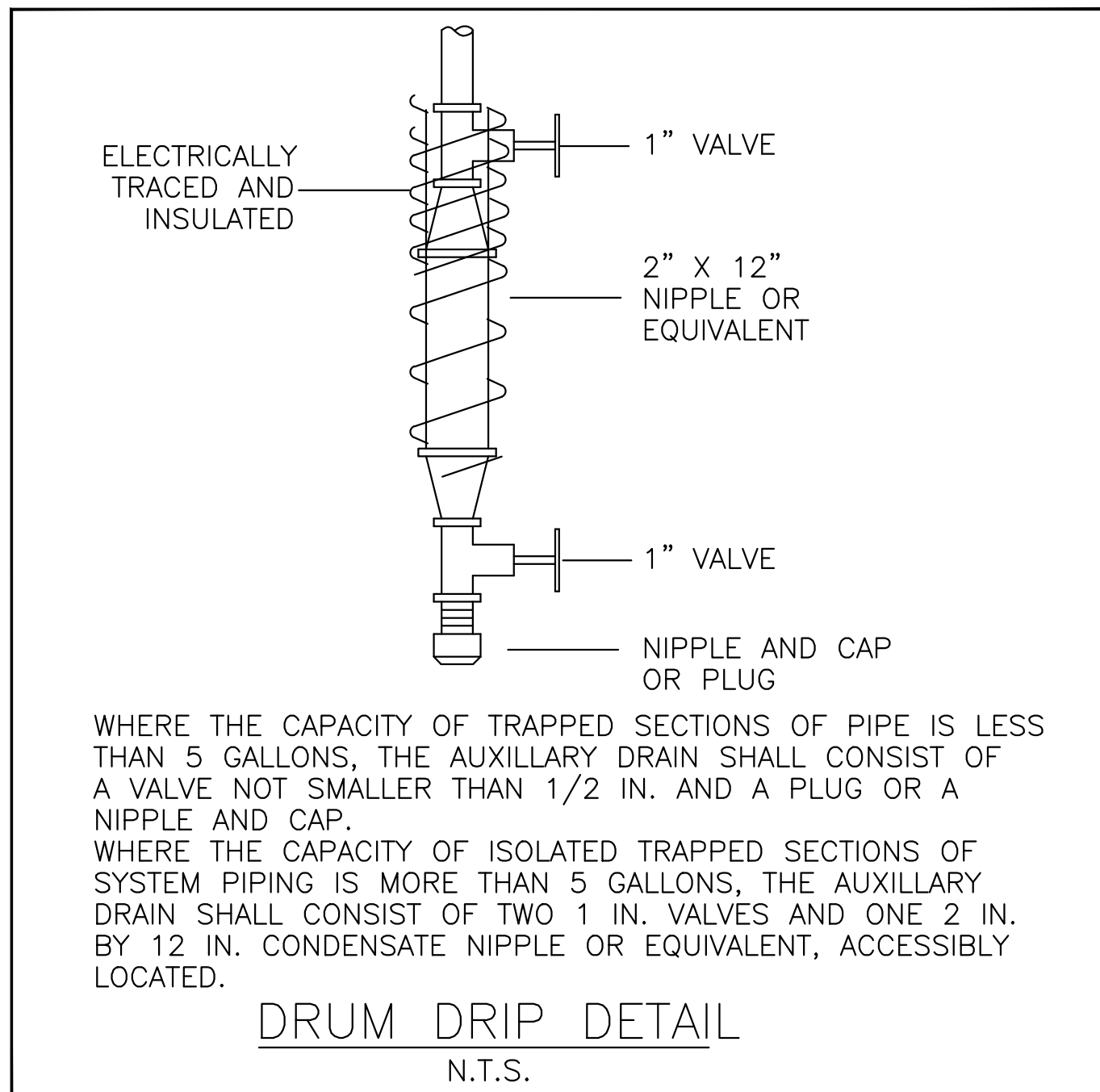
FS-25	SPR. SYSTEM ON 2ND LEVEL	2ND LEVEL (STAIR G)
FS-26	SPR. SYSTEM ON 3RD LEVEL	3RD LEVEL (STAIR F)
FS-27	SPR. SYSTEM ON 4TH LEVEL	4TH LEVEL (STAIR C)
FS-28	SPR. SYSTEM ON 5TH LEVEL	5TH LEVEL (STAIR F)
FS-29	SPR. SYSTEM ON 6TH LEVEL	6TH LEVEL (STAIR C)
FS-30	SPR. SYSTEM ON 7TH LEVEL	7TH LEVEL (STAIR F)
FS-31	SPR. SYSTEM ON 8TH LEVEL	8TH LEVEL (STAIR C)
FS-32	SPR. SYSTEM ON 9TH LEVEL	9TH LEVEL (STAIR F)
FS-33	SPR. SYSTEM ON 10TH LEVEL	10TH LEVEL (STAIR C)
FS-34	SPR. SYSTEM ON 11TH LEVEL	11TH LEVEL (STAIR F)
FS-35	SPR. SYSTEM ON 12TH LEVEL	12TH LEVEL (STAIR C)
FS-36	SPR. SYSTEM ON 13TH LEVEL	13TH LEVEL (STAIR F)
FS-37	SPR. SYSTEM ON 14TH LEVEL	14TH LEVEL (STAIR C)
FS-38	SPR. SYSTEM ON MECH. PENHOUSE	PENHOUSE
FS-39	SPR. SYSTEM IN MECH. P.H. ON 9TH FL.	MECH. RM ON 9TH FL.
FS-41	WIN. SPR.'S ON P1	STAFF ROOM ON P1
FS-42	WIN. SPR.'S ON P2	STAFF ROOM ON P1
FS-43	WIN. SPR.'S ON GR. FL.	CORRIDOR ON GR. FL.
FS-44	WIN. SPR.'S ON 2ND FL.	2ND FL. (STAIR J)
FS-45	WIN. SPR.'S ON 3RD FL.	3RD FL. (STAIR J)
FS-46	WIN. SPR.'S ON 4TH FL.	4TH FL. (STAIR J)

KEY NOTES:

- ① CONNECT ALL SV'S, FS'S, PS'S AND OTHER DEVICES INDICATED ON THE SCHEDULES ABOVE TO CACF BY ADDRESSABLE CLASS A LOOPS.
- ② DIV. 16 TO INSTALL FLOW ZONES AS PER FLOW SWITCH SCHEDULE SHOWN ON SPRINKLER DRAWINGS.



FIRE PROTECTION SYSTEM SCHEMATIC
N.T.S.



FIRE PROTECTION SYSTEM SUPERVISED VALVES		SCHEDULE
ZONE	DESCRIPTION	LOCATION
SV-1	INCOMING FIRE MAIN ISOLATION	SPRINKLER ROOM
SV-2	INCOMING FIRE MAIN ISOLATION	SPRINKLER ROOM
SV-3	DRY SPR. SYSTEM HEADER MAIN ISOLATION	SPRINKLER ROOM
SV-4	P-1 PARKING DRY SPR. SYSTEM	SPRINKLER ROOM
SV-5	P-2 PARKING DRY SPR. SYSTEM	SPRINKLER ROOM
SV-6	FIRE PUMP BY-PASS	SPRINKLER ROOM
SV-7	FIRE PUMP BY-PASS	SPRINKLER ROOM
SV-8	FIRE PUMP SUCTION	SPRINKLER ROOM
SV-9	FIRE PUMP DISCHARGE	SPRINKLER ROOM
SV-10	FIRE PUMP TEST HEADER	SPRINKLER ROOM
SV-11	FIRE STANDPIPE RISER-P1	P-1 PARKING GARAGE
SV-12	FIRE STANDPIPE RISER-P2	P-1 PARKING GARAGE
SV-13	FIRE STANDPIPE RISER-4 & P3	P-1 PARKING GARAGE
SV-14	FIRE STANDPIPE RISER-1	P-1 PARKING GARAGE
SV-15	FSP & SPR. COMBINATION RISER (FSP-P2)	P-1 PARKING GARAGE
SV-16	FIRE STANDPIPE RISER-3	P-1 PARKING GARAGE
SV-20	SPR. RISER ISOLATION	GARAGE ROOM (170)
SV-21	SPR. SYSTEM ON GROUND LEVEL	GARAGE ROOM (170)
SV-22	SPR. SYSTEM IN GARAGE ROOM	GARAGE ROOM (170)
SV-23	SPR. RISER IN GARAGE CHUTE.	GARAGE ROOM (170)
SV-24	SPR. SYSTEM IN TOWNHOUSE AT NORTHEAST CORNER.	GARAGE ROOM (170)
SV-25	SPR. SYSTEM ON 2ND LEVEL	2ND LEVEL (STAIR G)
SV-26	SPR. SYSTEM ON 3RD LEVEL	3RD LEVEL (STAIR F)
SV-27	SPR. SYSTEM ON 4TH LEVEL	4TH LEVEL (STAIR G)
SV-28	SPR. SYSTEM ON 5TH LEVEL	5TH LEVEL (STAIR F)
SV-29	SPR. SYSTEM ON 6TH LEVEL	6TH LEVEL (STAIR G)
SV-30	SPR. SYSTEM ON 7TH LEVEL	7TH LEVEL (STAIR F)
SV-31	SPR. SYSTEM ON 8TH LEVEL	8TH LEVEL (STAIR G)
SV-32	SPR. SYSTEM ON 9TH LEVEL	9TH LEVEL (STAIR F)
SV-33	SPR. SYSTEM ON 10TH LEVEL	10TH LEVEL (STAIR G)
SV-34	SPR. SYSTEM ON 11TH LEVEL	11TH LEVEL (STAIR F)
SV-35	SPR. SYSTEM ON 12TH LEVEL	12TH LEVEL (STAIR G)
SV-36	SPR. SYSTEM ON 13TH LEVEL	13TH LEVEL (STAIR F)
SV-37	SPR. SYSTEM ON 14TH LEVEL	14TH LEVEL (STAIR G)
SV-38	SPR. SYSTEM ON MECH. PENHOUSE	PENHOUSE
SV-39	SPR. SYSTEM IN MECH. P.H. ON 9TH FL.	MECH. RM ON 9TH FL.
SV-41	WIN. SPR.'S ON P1	STAFF ROOM ON P1
SV-42	WIN. SPR.'S ON P2	STAFF ROOM ON P1
SV-43	WIN. SPR.'S ON GR. FL.	CORRIDOR ON GR. FL.
SV-44	WIN. SPR.'S ON 2ND FL.	2ND FL. (STAIR J)
SV-45	WIN. SPR.'S ON 3RD FL.	3RD FL. (STAIR J)
SV-46	WIN. SPR.'S ON 4TH FL.	4TH FL. (STAIR J)

PUMPS SCHEDULE – FIRE PROTECTION						
PUMP NO.	GPM	HEAD	HP	V./~A	RPM	MAKE
FIRE PUMP	400 GPM	85 PSI	40 HP	575/3/60	3560 RPM	ARMSTRONG OR SIMILAR
JOCKEY PUMP	10 GPM	90 PSI	1 HP	575/3/60	3600 RPM	ARMSTRONG OR SIMILAR

NOTE: ELECTRICAL SPECIFICATIONS FOR FIRE PUMP TO BE CONFIRMED BY ELECTRICAL CONSULTANT.

ANCILIARY CIRCUITS (OUTPUT TO START/SHUTDOWN FANS & DEVICES)

CR1	AHU-1 STOP (AUTOMATIC ON FIRE ALARM INITIATION & BY MANUAL SW. AT CACF)
CR2	SF-1 START (AUTOMATIC ON FIRE ALARM INITIATION & BY MANUAL SW. AT CACF)
CR3	SF-2 START (AUTOMATIC ON FIRE ALARM INITIATION & BY MANUAL SW. AT CACF)
CR4	EF-17 START (AUTOMATIC ON FIRE ALARM INITIATION & BY MANUAL SW. AT CACF)
CR5	EF-18 START (AUTOMATIC ON FIRE ALARM INITIATION & BY MANUAL SW. AT CACF)
CR6	HOLD OPEN DEVICES
CR7	CACF SIGN
CR8	FIRE DAMPERS (AUTOMATIC ON FIRE ALARM INITIATION) OPEN
CR9-CR19	SPARE (AUTOMATIC ON FIRE ALARM INITIATION & BY MANUAL SW. AT CACF)

TROUBLE PANEL

No.	ALARM DESCRIPTION	LOCATION
1	FIRE PUMP RUNNING	P2 SPRINKLER ROOM
2	FIRE PUMP LOSS OF POWER	P2 SPRINKLER ROOM
3	FIRE PUMP LOW PRESSURE	P2 SPRINKLER ROOM
4	FIRE PUMP PHASE REVERSAL	P2 SPRINKLER ROOM
5	SPRINKLER ROOM LOW TEMP. (4°C ALARM)	P2 SPRINKLER ROOM
6	JOCKEY PUMP RUNNING	P2 SPRINKLER ROOM
7	SPRINKLER COMPRESSOR LOSS OF POWER	P2 SPRINKLER ROOM
8	STANDPIPE – ELECT. TRACED–LOSS OF POWER	P2 SPRINKLER ROOM
9	GENERATOR TROUBLE	P2 SPRINKLER ROOM
10	MAIN GAS VALVE OPEN	P2 SPRINKLER ROOM
11	STANDPIPE (FHC) – ELECT. TRACED–LOSS OF POWER	9/F MECH. ROOM
12	ELEC. HEAT TRACE PIPE–ELEC. TRACED–LOSS OF POWER	G/F RAMP TO P1

FIRE ALARM ZONE SCHEDULE

ZONE NO.	ZONE DESCRIPTION
1	P-2 PARKING
2	P-1 PARKING
3	G/F PARKING RECYCLING AREA
4	G/F PARKING GARBAGE & MOVING ROOM
5	P-2 ELEVATOR LOBBY
6	P-1 ELEVATOR LOBBY
7	SPRINKLER ROOM (P-1)
8	GARBAGE ROOM (G/F)
9	MAIN ELECTRICAL ROOM (P-2)
10	GENERATOR ROOM (P-1)
11	CHILLER ROOM (P-2)
12	AHU ROOM (P-2)
13	G/F LOBBY
14	G/F ELEVATOR LOBBY
15	G/F AMENITY
16	G/F CAFÉ ROOM
17	2/F RESIDENTIAL TO 14/F RESIDENTIAL
18	STAIR #A SMOKE (P2 TO G/F)
19	STAIR #B SMOKE (P2 TO G/F)
20	STAIR #J SMOKE (G/F TO 9/F)
21	STAIR #F SMOKE (G/F TO ELEV. MACH. RM.)
22-53	STAIR #G SMOKE (G/F TO ELEV. MACH. RM.)
54	STAIR #H SMOKE (G/F TO 5/F)
55	STAIR #K SMOKE (14/F-ELEV. MACH. RM.)
56-87	MECHANICAL PENTHOUSE (14/F)
88	ROOF ELEVATOR MACHINE ROOM
89	ELEVATOR "A" SHAFT & PIT
90	ELEVATOR "B" SHAFT & PIT
91	ELEVATOR "C" SHAFT & PIT
92	SF #1 SMOKE
93	SF #2 SMOKE
94	AHU-1 DUCT SMOKE
95	GARBAGE CHUTE
96	LOADING DOCK (G/F)
97	9/F AMENITY - EXTERIOR
98-130	SPARES

FIRE PROTECTION SYSTEM SUPERVISED VALVES SCHEDULE

ZONE	DESCRIPTION	LOCATION
SV-1	INCOMING FIRE MAIN ISOLATION	SPRINKLER ROOM
SV-2	INCOMING FIRE MAIN ISOLATION	SPRINKLER ROOM
SV-3	DRY SPR. SYSTEM HEADER MAIN ISOLATION	SPRINKLER ROOM
SV-4	P-1 PARKING DRY SPR. SYSTEM	SPRINKLER ROOM
SV-5	P-2 PARKING DRY SPR. SYSTEM	SPRINKLER ROOM
SV-6	FIRE PUMP BY-PASS	SPRINKLER ROOM
SV-7	FIRE PUMP BY-PASS	SPRINKLER ROOM
SV-8	FIRE PUMP SUCTION	SPRINKLER ROOM
SV-9	FIRE PUMP DISCHARGE	SPRINKLER ROOM
SV-10	FIRE PUMP TEST HEADER	SPRINKLER ROOM
SV-11	FIRE STANDPIPE RISER-P1	P-1 PARKING GARAGE
SV-12	FIRE STANDPIPE RISER-P2	P-1 PARKING GARAGE
SV-13	FIRE STANDPIPE RISER-4 & P3	P-1 PARKING GARAGE
SV-14	FIRE STANDPIPE RISER-1	P-1 PARKING GARAGE
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SV-24	SPR. SYSTEM IN TOWNHOUSE AT NORTHEAST CORNER.	GARAGE ROOM (170)

SV-25	SPR. SYSTEM ON 2ND LEVEL	2ND LEVEL (STAIR CASE)
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SV-27	SPR. SYSTEM ON 4TH LEVEL	4TH LEVEL (STAIR CASE)
SV-28	SPR. SYSTEM ON 5TH LEVEL	5TH LEVEL (STAIR CASE)
SV-29	SPR. SYSTEM ON 6TH LEVEL	6TH LEVEL (STAIR CASE)
SV-30	SPR. SYSTEM ON 7TH LEVEL	7TH LEVEL (STAIR CASE)

SV-31	SPR. SYSTEM ON 8TH LEVEL	8TH LEVEL	(STAR F)
SV-32	SPR. SYSTEM ON 9TH LEVEL	9TH LEVEL	(STAR F)
SV-33	SPR. SYSTEM ON 10TH LEVEL	10TH LEVEL	(STAR F)
SV-34	SPR. SYSTEM ON 11TH LEVEL	11TH LEVEL	(STAR F)
SV-35	SPR. SYSTEM ON 12TH LEVEL	12TH LEVEL	(STAR F)
SV-36	SPR. SYSTEM ON 13TH LEVEL	13TH LEVEL	(STAR F)
SV-37	SPR. SYSTEM ON 14TH LEVEL	14TH LEVEL	(STAR F)
SV-38	SPR. SYSTEM IN MECH. PENHOUSE	PENHOUSE	
SV-39	SPR. SYSTEM ON MECH. P. ON 9TH FL.	MECH. RM ON 9TH FL.	

SV-41	WIN. SPR.'S ON P1	STAFF ROOM ON P1
SV-42	WIN. SPR.'S ON P2	STAFF ROOM ON P1
SV-43	WIN. SPR.'S ON GR. FL.	CORRIDOR ON GR. FL.
SV-44	WIN. SPR.'S ON 2ND FL.	2ND FL. (STAIR J)
SV-46	WIN. SPR.'S ON 4TH FL.	4TH FL. (STAIR J)
SV-45	WIN. SPR.'S ON 3RD FL.	3RD FL. (STAIR J)

ELECTRICAL LEGEND

LIGHTING

	FLUORESCENT LIGHT FIXTURE TYPE AS INDICATED
	NIGHT LIGHT
	LIGHT CONNECTED TO EMERGENCY POWER
	CEILING MOUNTED LIGHT FIXTURE
	INSCRIBED LETTER DENOTES TYPE
	ROTTED LIGHT FIXTURE
	INSCRIBED LETTER DENOTES TYPE
	CAPPED CEILING LIGHT OUTLET
	TRACK LIGHT
	STRIP LIGHT
	UNDER CABINET FLUORESCENT LIGHT FIXTURE
	CEILING MOUNTED LIGHT MOUNTED EXIT SIGN
	SINGLE-ENDED EMERGENCY LAMP REMOTE NOTE
	EMERGENCY BATTERY PACK
	EMERGENCY SENSOR POWER PADS
	5-8' 1/8"
	13-14"
	8-10"
	MASTER LIGHTING SWITCH-OUT SWITCH
	SENSOR LIGHT SWITCH PIR, SELF POWERED
	OCCUPANCY SENSOR
	CEILING MOUNTED

POWER

	REGULAR DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPT
	3-WIRE T-BOX DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, TYPE AND CONFIGURATION AS SPECIFIED FOR DRYER
	CONNECTION FOR OVEN/COOPROT
	ABOVE COUNTER DEVICE
	CEILING MOUNTED DEVICES
	FLOOR MOUNTED DEVICES
	DISCONNECT SWITCH, NON-FUSED
	DISCONNECT SWITCH, FUSED
	COMBINATION STARTER
	FRACTIONAL MOTOR/FAN DIRECT CONNECTION
	DIRECT CONNECTION, SINGLE PHASE
	DIRECT CONNECTION, THREE PHASE
	THERMOSTAT
	DRYER SENSOR
	HEAT RATE
	ELECTRICAL HEATER
	ELECTRICAL PANEL / SECURITY PANEL

COMMUNICATION

	TV/CABLE OUTLET
	TELEPHONE OUTLET
	TELEPHONE/TV CABLE (MULTI-PORT OUTLET)
	DATA OUTLET
	DATA/TELEPHONE OUTLET
	N SUITE TELECOMM. BOX C/W RECEPTACLE
	WIFI LOCATION
	VIDEO INTERCOM
	RADIO RECEIVER

SECURITY

IC	INTERCOM / ENTERPHONE
IC2	INTERCOM WITH CAMERA
PE / PAR	PANIC BUTTON / PANIC INTERCOM STATION
CR	CARD READER
AREA / RE	AUTOMATIC RELEASE CARD ACCESS/RADIO RECEIVER
ES	ELECTRIC STRIKE
ML	MAGLOCK
DC / CT	DOOR CONTACT / WINDOW CONTACT
GB	GLASS BREAK DETECTOR
DO	AUTOMATIC DOOR OPERATOR
MD	MOTION DETECTOR
•	PUSH BUTTON
□	SECURITY CAMERA

IFE SAFETY

Ⓜ	FIRE ALARM SMOKE DETECTOR
Ⓢ	SPOKE ALARM
Ⓜ	FIRE ALARM DUCT TYPE SMOKE DETECTOR
Ⓢ	FIRE HIGH HEAT DETECTOR
Ⓢ	FIXED TEMP. CO. DEGRADABLE DETECTOR
Ⓢ	MOISTURE PROOF HEAT DETECTOR
Ⓢ	CO ALARM
Ⓢ	COMBINATION SMOKE & CO ALARM
Ⓢ	CO SENSOR / NO SENSOR
Ⓢ	CO SENSOR / MANUAL PULL STATION
Ⓢ	FIREFIGHTER'S HANDSET
Ⓢ	FIRE ALARM SPEAKER/STROBE WALL MNT.
Ⓢ	FIRE ALARM SPEAKER WALL MNT.
Ⓢ	FIRE ALARM SPEAKER/STROBE CEILING MNT.
Ⓢ	FIRE ALARM SPEAKER CEILING MNT.
Ⓢ	FIRE ALARM ANNUNCIATOR PANEL
Ⓢ	FIRE ALARM CONTROL PANEL

[illegible]

REVISION

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEERS BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS THE PROPERTY OF THE ENGINEERS AND MUST BE RETURNED UPON COMPLETION OF THE WORK.

DRAWINGS ARE NOT TO BE SCALED



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DRAWING TITLE:
FIRE ALARM
SCHEDULES & DETAILS

PROJECT TITLE:
ALEXANDRA PARK
38 CAMERON STREET, BLOCK II
TORONTO ONTARIO