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SITE INSTRUCTION

PROJECT: HAMPTON MANOR

PROJECT NO: 14-016

25 BAKER HILL BLVD

STOUFFVILLE, ONTARIO

CONTRACT: Electrical

DATE

October 4, 2017

SITE INSTRUCTION: E-11

THIS SITE INSTRUCTION IS NOT TO BE CONSTRUED AS A CHANGE IN THE CONTRACT PRICE, BUT IS ISSUED FOR CLARIFICATION ONLY. IF A CHANGE IN CONTRACT PRICE IS PERCEIVED, PROVIDE AN ITEMIZED BREAKDOWN OF ANY EXTRAS OR CREDITS WITHIN SEVEN (7) WORKING DAYS.

Purpose: To suit metering requirement.

1.0 Reference Drawing E-10 (Riser Diagrams) Issued

> 1.1 Add:

15A, 3P breaker receptacle for each quadlogic meter.

Note: The site instruction & drawing will be uploaded to FTP SITE

PREPARED BY:

Chula Meksavanh

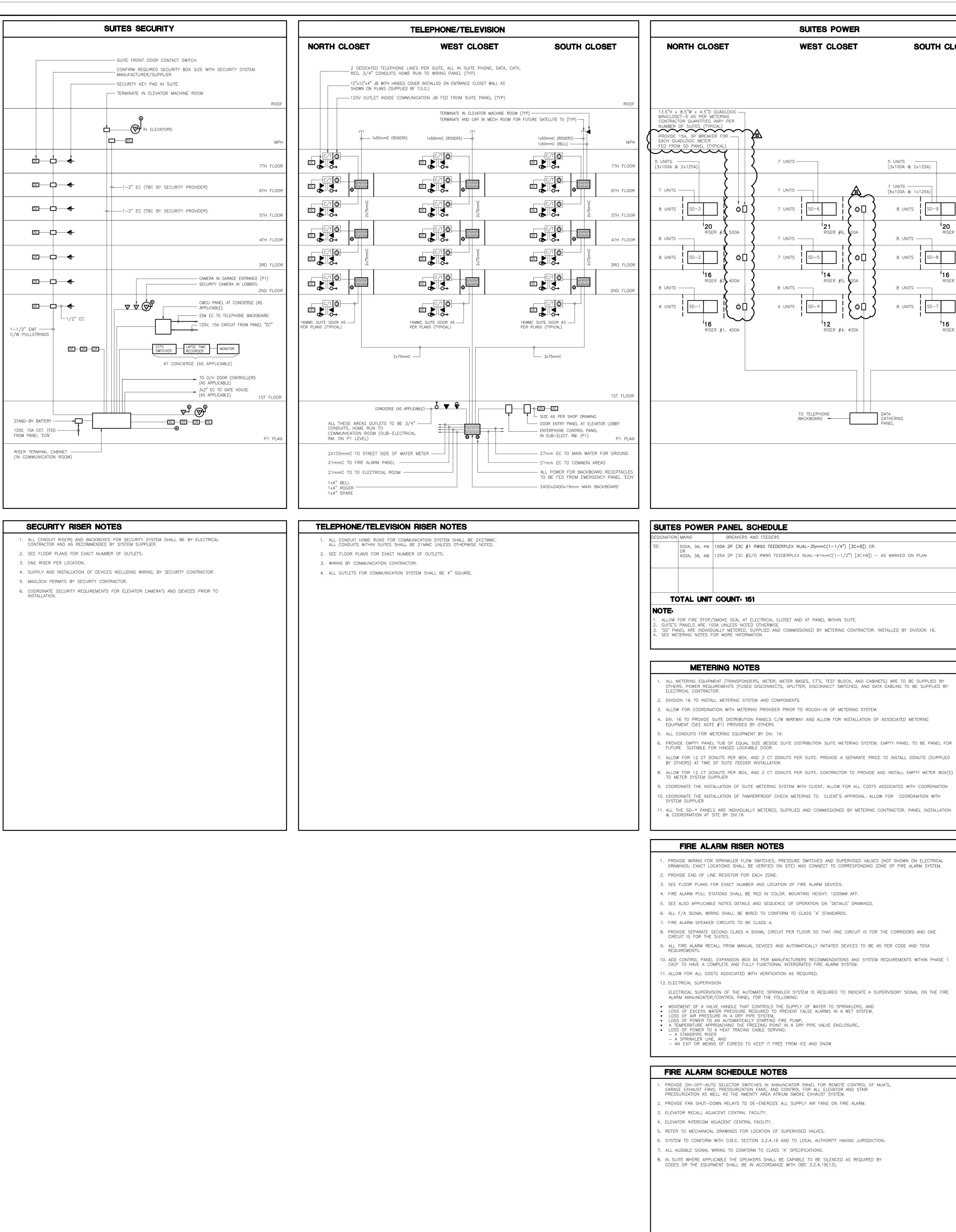
Chulas.

Electrical Department

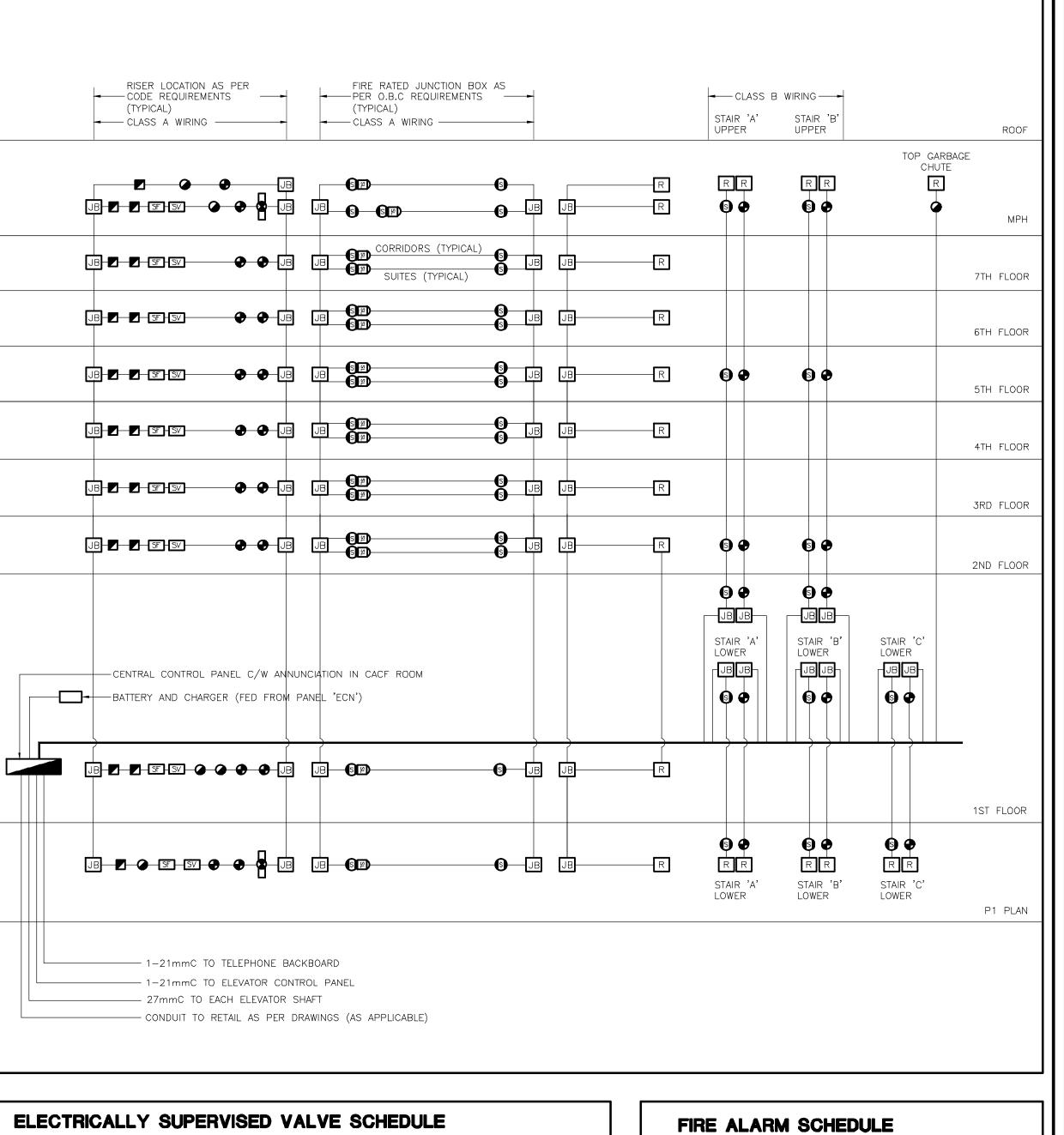
ISSUED TO ROYAL PINE HOMES,

Cinzia Caruso, Cinzia@royalpinehomes.com; Vince Staffieri, vince@royalpinehomes.com FOR DISTRIBUTION TO ALL AFFECTED PARTIES.

cc. GRAZIANI + CORAZZA ARCH. INC., Gino Colangelo, GColangelo@gc-architects.com DINEEN CONSTRUCTION CORP., Chuck Clark, cclark@dineen.com; Jeffrey Ellis, jellis@dineen.com; Ric Wight, rwight@dineen.com



NORTH CLOSET	WEST CLOSET	SOUTH CLOSET	
13.5"H x 8.5"W x 4.5"D QUADLOGIC — MINICLOSET—5 AS PER METERING CONTRACTOR QUANTITIES VARY PER			ROOF
PROVIDE 15A, 3P BREAKER FOR — EACH QUADLOGIC METER FED FROM SD PANEL (TYPICAL)			MPH
5 UNITS (3x100A & 2x125A)	7 UNITS————	5 UNITS — (3x100A & 2x125A)	7TH FLOOR
7 UNITS —	7 UNITS —	7 UNITS (6x100A & 1x125A)	6TH FLOOR
8 UNITS SD-3 D	7 UNITS SD-6 D	8 UNITS SD-9 6	5)H FLOOR
*20 RISER #3 500A	7 UNITS — 7 UNIT	*20 RISER #9, 500A	#H FLOOR
8 UNITS SD-2 D D	7 UNITS SD-5	8 UNITS SD-8	3FD FLOOR
16 RISER #2 400A	114 RISER #5, 400A	*16 RISER #8, 400A	2ND FLOOR
8 UNITS SD-1	4 UNITS SD-4	8 UNITS SD-7	}
16 RISER #1, 400A	'12 RISER #4, 400A	'16 RISER #7, 400A	
			1ST FLOOR
	TO TELEPHONE BACKBOARD	DATA GATHERING PANEL	
			P1 PLAN
SUITES POWER PANEL SCHEI	DULE		



FIRE ALARM RISER

400A, 3¢, 4W	125A 2P (3C #2/O RW90 FEEDERPLEX NUAL-41mmC(1-1/2") [3C+B]) - AS MARKED ON PLAN
TOTAL UNIT	COUNT: 151
NOTE:	
2. SUITE'S PANELS ARE 10	SMOKE SEAL AT ELECTRICAL CLOSET AND AT PANEL WITHIN SUITE. OA UNLESS NOTED OTHERWISE UALLY METERED, SUPPLIED AND COMMISSIONED BY METERING CONTRACTOR. INSTALLED BY DIVISION 16. OR MORE INFORMATION
METE	RING NOTES
	MENT (TRANSPONDERS, METER, METER BASES, CT'S, TEST BLOCK, AND CABINETS) ARE TO BE SUPPLIED BY DIREMENTS (FUSED DISCONNECTS, SPLITTER, DISCONNECT SWITCHED, AND DATA CABLING TO BE SUPPLIED BY OR.
2. DIVISION 16 TO INSTA	LL METERING SYSTEM AND COMPONENTS.
3. ALLOW FOR COORDINA	ITION WITH METERING PROVIDER PRIOR TO ROUGH—IN OF METERING SYSTEM.
	SUITE DISTRIBUTION PANELS C/W WIREWAY AND ALLOW FOR INSTALLATION OF ASSOCIATED METERING E #1) PROVIDED BY OTHERS
5. ALL CONDUITS FOR M	ETERING EQUIPMENT BY DIV. 16.
	L TUB OF EQUAL SIZE BESIDE SUITE DISTRIBUTION SUITE METERING SYSTEM. EMPTY PANEL TO BE PANEL FOR OR HINGED LOCKABLE DOOR
	ONUTS PER BOX, AND 2 CT DONUTS PER SUITE. PROVIDE A SEPARATE PRICE TO INSTALL DONUTS (SUPPLIED OF SUITE FEEDER INSTALLATION
8. ALLOW FOR 12 CT DO TO METER SYSTEM SU	DNUTS PER BOX, AND 2 CT DONUTS PER SUITE. CONTRACTOR TO PROVIDE AND INSTALL EMPTY METER BOX(S)

	THE ALAHM MOLIT NOTES			
1.	PROVIDE WIRING FOR SPRINKLER FLOW SWITCHES, PRESSURE SWITCHES AND SUPERVISED VALVES (NOT SHOWN ON ELECTRICAL DRAWINGS; EXACT LOCATIONS SHALL BE VERIFIED ON SITE) AND CONNECT TO CORRESPONDING ZONE OF FIRE ALARM SYSTEM.			
2.	PROVIDE END OF LINE RESISTOR FOR EACH ZONE.			
3.	SEE FLOOR PLANS FOR EXACT NUMBER AND LOCATION OF FIRE ALARM DEVICES.			
4.	FIRE ALARM PULL STATIONS SHALL BE RED IN COLOR. MOUNTING HEIGHT: 1200MM AFF.			
5.	SEE ALSO APPLICABLE NOTES DETAILS AND SEQUENCE OF OPERATION ON 'DETAILS' DRAWINGS.			
6.	ALL F/A SIGNAL WIRING SHALL BE WIRED TO CONFORM TO CLASS 'A' STANDARDS.			
7.	FIRE ALARM SPEAKER CIRCUITS TO BE CLASS A.			
8.	PROVIDE SEPARATE SECOND CLASS A SIGNAL CIRCUIT PER FLOOR SO THAT ONE CIRCUIT IS FOR THE CORRIDORS AND ONE CIRCUIT IS FOR THE SUITES.			
9.	ALL FIRE ALARM RECALL FROM MANUAL DEVICES AND AUTOMATICALLY INITIATED DEVICES TO BE AS PER CODE AND TSSA REQUIREMENTS.			
10	. ADD CONTROL PANEL EXPANSION BOX AS PER MANUFACTURERS RECOMMENDATIONS AND SYSTEM REQUIREMENTS WITHIN PHASE 1 CACF TO HAVE A COMPLETE AND FULLY FUNCTIONAL INTERGRATED FIRE ALARM SYSTEM.			
11	ALLOW FOR ALL COSTS ASSOCIATED WITH VERIFICATION AS REQUIRED.			
12	12. ELECTRICAL SUPERVISION			
	ELECTRICAL SUPERVISION OF THE AUTOMATIC SPRINKLER SYSTEM IS REQUIRED TO INDICATE A SUPERVISORY SIGNAL ON THE FIRE ALARM ANNUNCIATOR/CONTROL PANEL FOR THE FOLLOWING:			
•	MOVEMENT OF A VALVE HANDLE THAT CONTROLS THE SUPPLY OF WATER TO SPRINKLERS, AND LOSS OF EXCESS WATER PRESSURE REQUIRED TO PREVENT FALSE ALARMS IN A WET SYSTEM, LOSS OF AIR PRESSURE IN A DRY PIPE SYSTEM, LOSS OF POWER TO AN AUTOMATICALLY STARTING FIRE PUMP, A TEMPERATURE APPROACHING THE FREEZING POINT IN A DRY PIPE VALVE ENCLOSURE, LOSS OF POWER TO A HEAT TRACING CABLE SERVING: — A STANDPIPE RISER — A SPRINKLER LINE, AND — AN EXIT OR MEANS OF EGRESS TO KEEP IT FREE FROM ICE AND SNOW			

	FIRE ALARM SCHEDULE NOTES
1.	PROVIDE ON-OFF-AUTO SELECTOR SWITCHES IN ANNUNCIATOR PANEL FOR REMOTE CONTROL OF MUA'S, GARAGE EXHAUST FANS, PRESSURIZATION FANS, AND CONTROL FOR ALL ELEVATOR AND STAIR PRESSURIZATION AS WELL AS THE AMENITY AREA ATRIUM SMOKE EXHAUST SYSTEM.
2.	PROVIDE FAN SHUT-DOWN RELAYS TO DE-ENERGIZE ALL SUPPLY AIR FANS ON FIRE ALARM.
3.	ELEVATOR RECALL ADJACENT CENTRAL FACILITY.
4.	ELEVATOR INTERCOM ADJACENT CENTRAL FACILITY.
5.	REFER TO MECHANICAL DRAWINGS FOR LOCATION OF SUPERVISED VALVES.
6.	SYSTEM TO CONFORM WITH O.B.C. SECTION 3.2.4.16 AND TO LOCAL AUTHORITY HAVING JURISDICTION.
7.	ALL AUDIBLE SIGNAL WIRING TO CONFORM TO CLASS 'A' SPECIFICATIONS.
8.	IN SUITE WHERE APPLICABLE THE SPEAKERS SHALL BE CAPABLE TO BE SILENCED AS REQUIRED BY CODES OR THE EQUIPMENT SHALL BE IN ACCORDANCE WITH OBC 3.2.4.19(13).

ELEUII	RICALLY SUPERVISED V	ALVE SUMEDULE	F	IRE ALARM SO
SUPERVISED VALVE NO.	SYSTEM	LOCATION	ALAF	RM ZONES
S.V.#1	INCOMING FIRE MAIN ISOLATION	SPRINKLER ROOM	CCT #	DESCRIPTION PARKING GARAGE - F
S.V.#2	INCOMING FIRE MAIN ISOLATION	SPRINKLER ROOM	2	ELEVATOR LOBBY - F
S.V.#3	PRIVATE HYDRANT ISOLATION	SPRINKLER ROOM	3 4	SPARE MAIN ELECTRICAL ROC
S.V.#4)	FIRE PUMP MAIN	SPRINKLER ROOM	5 6	SUB-ELECTRICAL ROC
S.V.#5	ISOLATION FIRE PUMP SUCTION	SPRINKLER ROOM	7	COMMUNICATION ROOM MECHANICAL ROOM -
S.V.#6	FIRE PUMP DISCHARGE	SPRINKLER ROOM	8	GARBAGE ROOM — P
	FIRE PUMP BY-PASS	SPRINKLER ROOM	10	SPARE 1ST FLOOR
S.V.#7	FIRE PUMP BY-PASS	SPRINKLER ROOM	12-17	2ND FLOOR TO 7TH MECHANICAL PENTHOL
S.V.#8			19	GENERATOR ROOM
S.V.#9	FIRE PUMP TEST HEADER	SPRINKLER ROOM	20 21	PENTHOUSE ELECTRIC ELEVATOR MACHINE R
S.V.#10	WET SPRINKLER AND FSP COMBINATION MAIN	SPRINKLER ROOM	22 23	ELEVATOR SHAFT FRESH AIR UNIT DUC
S.V.#11	DRY SPRINKLER SYSTEM HEADER	SPRINKLER ROOM	24 25	STAIR 'A' UPPER STA
S.V.#12)	DRY SPRINKLER SYSTEM P-1 NORTH	SPRINKLER ROOM	26 27	STAIR 'A' LOWER STA
S.V.#13)	DRY SPRINKLER SYSTEM P-1 CENTRE	SPRINKLER ROOM	28 29	STAIR 'B' UPPER STA
S.V.#14)	DRY SPRINKLER SYSTEM P-1 SOUTH	SPRINKLER ROOM	30	STAIR 'B' LOWER STAIR 'B' TOP OF LO
			32	STAIR 'C' TOP OF ST.
S.V.#21)	FIRE STANDPIPE RISER—1	P1 LEVEL	33 34	MAIN SPRINKLER FLO
S.V.#22)	FIRE STANDPIPE RISER-2	P1 LEVEL		GROUND FLOOR SOFF PARKING GARAGE LEV
S.V.#23)	FIRE STANDPIPE RISER—3	P1 LEVEL	37 38	WET SPRINKLER LINE WET SPRINKLER LINE
S.V.#24)	FIRE STANDPIPE RISER-4	P1 LEVEL	39 40	WET SPRINKLER LINE WET SPRINKLER LINE
	FIRE STANDPIPE RISER—5	P1 LEVEL	41	SPRINKLER SYSTEM C
S.V.#25)	FHC IN PARKING	P1 LEVEL	43	SPRINKLER SYSTEM C
S.V.#26)			45	SPRINKLER SYSTEM C
S.V.#27	FHC IN PARKING	P1 LEVEL	46 47	SPRINKLER SYSTEM C
S.V.#28	FHC IN PARKING	P1 LEVEL	48 49	SPARE SPARE
S.V.#29	FHC IN PARKING	P1 LEVEL	50 51	SPARE SPRINKLER SYSTEM C
S.V.#30	FHC IN PARKING	P1 LEVEL	52 53	SPRINKLER SYSTEM C
			54 55	SPRINKLER SYSTEM C
S.V.#41	SPRINKLER SYSTEM ON GROUND FL. (SOUTH PART)	GROUND FLOOR	56	SPRINKLER SYSTEM C
S.V.#42)	SPRINKLER SYSTEM ON 2ND LEVEL (SOUTH PART)	2ND LEVEL	58	SPRINKLER SYSTEM C
S.V.#43	SPRINKLER SYSTEM ON 3RD LEVEL (SOUTH PART)	3RD LEVEL	59 60	SPARE SPARE
S.V.#44	SPRINKLER SYSTEM ON 4TH LEVEL	4TH LEVEL	61	SPRINKLER RISER IN SPARE 25%
S.V.#45)	(SOUTH PART) SPRINKLER SYSTEM ON 5TH LEVEL	5TH LEVEL		
S.V.#46)	(SOUTH PART) SPRINKLER SYSTEM ON 6TH LEVEL	6TH LEVEL		
S.V.#47)	(SOUTH PART) SPRINKLER SYSTEM ON 7TH LEVEL	7TH LEVELL	TROU	JBLE ZONES
3.11	(SOUTH PART)		CCT #	DESCRIPTION MAIN INCOMING SPRINE
	SPRINKLER SYSTEM ON GROUND FL.	GROUND FLOOR	2	MAIN INCOMING SPRINE
S.V.#51	(NORTH PART) SPRINKLER SYSTEM ON 2ND LEVEL		4	FIRE PUMP EMERGENC FIRE ALARM SYSTEM T
S.V.#52	(NORTH PART)	2ND LEVEL		FIRE PUMP-LOSS OF FIRE PUMP RUNNING
S.V.#53	SPRINKLER SYSTEM ON 3RD LEVEL (NORTH PART)	3RD LEVEL	7 8	FIRE PUMP PHASE REV
S.V.#54	SPRINKLER SYSTEM ON 4TH LEVEL (NORTH PART)	4TH LEVEL	9	GENERATOR BREAKER GENERATOR RUNNING
S.V.#55	SPRINKLER SYSTEM ON 5TH LEVEL (NORTH PART)	5TH LEVEL	11 12	LOSS OF PRESSURE C
S.V.#56	SPRINKLER SYSTEM ON 6TH LEVEL (NORTH PART)	6TH LEVEL	13	FIRE LINES TRACING P COMPRESSOR LOSS OF
S.V.#57	SPRINKLER SYSTEM ON 7TH LEVEL (NORTH PART)	7TH LEVELL	15	COMPRESSOR LOSS OF
S.V.#58	SPRINKLER SYSTEM ON MECHANICAL PENTHOUSE	PENTHOUSE	16–17 18	DRY SPKINKLER LOSS JOCKEY PUMP LOSS (
				TRANSFER SWITCH #10 TRANSFER SWITCH #20
(S.V.#61)	SPRINKLER RISER IN GARBAGE CHUTE		21	TRANSFER SWITCH #30 TRANSFER SWITCH #40
			23	EMERGENCY DISCONNE
			25 26	EMERGENCY DISCONNE
			27	LOW TEMP. T-STAT IN
			28 29	HIGH CO LEVEL DETEC
			30	

CCT #	DESCRIPTION
1	PARKING GARAGE – P1 (1 ZONE PER LEVEL)
2	ELEVATOR LOBBY - P1 (1 ZONE PER LEVEL)
3	SPARE
4	MAIN ELECTRICAL ROOM - P1 LEVEL
5	SUB-ELECTRICAL ROOM #1 - P1 LEVEL
6	SUB-ELECTRICAL ROOM #2 - P1 LEVEL
7	COMMUNICATION ROOM - P1 LEVEL
7	MECHANICAL ROOM - P1 LEVEL
8	GARBAGE ROOM — P1 LEVEL
9	GARBAGE LOADING AREA — P1 LEVEL
10	SPARE
11	1ST FLOOR
12-17	2ND FLOOR TO 7TH FLOOR
18	MECHANICAL PENTHOUSE
19	GENERATOR ROOM
20	PENTHOUSE ELECTRICAL ROOM
21	ELEVATOR MACHINE ROOM
22	ELEVATOR SHAFT
23	FRESH AIR UNIT DUCT DETECTOR MECH PENTHOUSE STAIR 'A' UPPER STAIR
25	STAIR 'A' TOP OF UPPER STAIR
26	STAIR A TOP OF UPPER STAIR STAIR 'A' LOWER STAIR
27	STAIR 'A' TOP OF LOWER STAIR
28	STAIR 'B' UPPER STAIR
29	STAIR 'B' TOP OF UPPER STAIR
30	STAIR 'B' LOWER STAIR
31	STAIR 'B' TOP OF LOWER STAIR
32	STAIR 'C' TOP OF STAIR
33	MAIN SPRINKLER FLOW ALARM
34	PARKING GARAGE LEVEL-1 SPRINKLER FLOW ALARM
35	GROUND FLOOR SOFFIT AREA SPRINKLER FLOW ALARM
36	PARKING GARAGE LEVEL-1 LOADING AREA FLOW ALARM
37	WET SPRINKLER LINE TO GROUND FLOOR AMENITY FLOW ALARM
38	WET SPRINKLER LINE TO GARBAGE ROOM FLOW ALARM
39	WET SPRINKLER LINE TO GROUND FLOOR COMMON FLOW ALARM
40	WET SPRINKLER LINE TO SECOND FLOOR COMMON FLOW ALARM
41	SPRINKLER SYSTEM ON GROUND FL. FLOW ALARM (SOUTH PA
42	SPRINKLER SYSTEM ON 2ND LEVEL FLOW ALARM (SOUTH PAR
43	SPRINKLER SYSTEM ON 3RD LEVEL FLOW ALARM (SOUTH PAR
44	SPRINKLER SYSTEM ON 4TH LEVEL FLOW ALARM (SOUTH PAR'
45	SPRINKLER SYSTEM ON 5TH LEVEL FLOW ALARM (SOUTH PAR'
47	SPRINKLER SYSTEM ON 6TH LEVEL FLOW ALARM (SOUTH PAR' SPRINKLER SYSTEM ON 7TH LEVEL FLOW ALARM (SOUTH PAR'
48	SPARE
49	SPARE
50	SPARE
51	SPRINKLER SYSTEM ON GROUND FL. FLOW ALARM (NORTH PA
52	SPRINKLER SYSTEM ON 2ND LEVEL FLOW ALARM (NORTH PAR
53	SPRINKLER SYSTEM ON 3RD LEVEL FLOW ALARM (NORTH PAR
54	SPRINKLER SYSTEM ON 4TH LEVEL FLOW ALARM (NORTH PAR'
55	SPRINKLER SYSTEM ON 5TH LEVEL FLOW ALARM (NORTH PAR
56	SPRINKLER SYSTEM ON 6TH LEVEL FLOW ALARM (NORTH PAR
57	SPRINKLER SYSTEM ON 7TH LEVEL FLOW ALARM (NORTH PAR
58	SPRINKLER SYSTEM ON MECHANICAL PENTHOUSE
59	SPARE
60	SPARE
61	SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM
	SPARE 25%

MAIN INCOMING SPRINKLER LINE LOSS OF PRESSURE - 1 MAIN INCOMING SPRINKLER LINE LOSS OF PRESSURE - 2

LOSS OF PRESSURE OF INCOIMG GAS LINE FOR GENSET

LOW TEMP. T-STAT IN MECHANICAL ROOM - P1 LEVEL HIGH CO LEVEL DETECTION IN MECHANICAL PENTHOUSE

HIGH CO LEVEL DETECTION IN PARKING GARAGE

** NUMBER OF ZONES TO SUIT CODE REQUIREMENT

DRY SPKINKLER LOSS OF AIR PRESSURE IN P1 PARKING LEVEL

FIRE PUMP EMERGENCY DISCONNECT 'OFF'

FIRE PUMP PHASE REVERSAL INDICATOR

LOSS OF PRESSURE OF GAS LINE TO GENSET

FIRE LINES TRACING POWER LOSS

COMPRESSOR LOSS OF POWER COMPRESSOR LOSS OF AIR

JOCKEY PUMP LOSS OF POWER TRANSFER SWITCH #1D NOT IN 'AUTO'

TRANSFER SWITCH #2D NOT IN "AUTO" TRANSFER SWITCH #3D NOT IN "AUTO" TRANSFER SWITCH #4D NOT IN "AUTO" EMERGENCY DISCONNECT #1D 'OFF' EMERGENCY DISCONNECT #2D 'OFF'

EMERGENCY DISCONNECT #3D 'OFF'

EMERGENCY DISCONNECT #4D 'OFF'

PIPE TRACING LOSS OF POWER **

SPARE 25%

SNOW MELTING LOSS OF POWER **

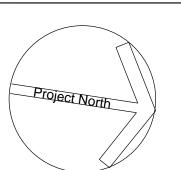
FIRE ALARM SYSTEM TROUBLE FIRE PUMP-LOSS OF POWER

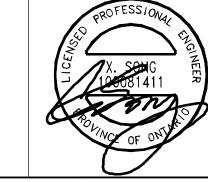
GEN-SET-COMMON TROUBLE

GENERATOR BREAKER "OFF" GENERATOR RUNNING

80	СМ	REVISED AS PER SI E-11	2017-10-04	
07	СМ	REVISED AS PER SI E-5	2017-08-23	
06	СМ	ISSUED FOR CONSTRUCTION	2017-08-09	
05	СМ	PROGRESS FOR CONSTRUCTION	2017-07-18	
04	СМ	ISSUED FOR PERMIT	2016-12-28	
03	СМ	REVISED AS PER SI E-2	2016-10-04	
02	СМ	REVISED AS PER ESA COMMENTS AND FOR CLARIFICATION	2016-05-19	
01	СМ	ISSUED FOR TENDER	2016-03-15	
NO.	BY	DESCRIPTION	DATE	
REVISIONS				
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POWER, COMMUNICATION, SECURITY AND FIRE ALARM RISER DIAGRAMS

PROPOSED RESIDENTIAL DEVELOPMENT 25 BAKER HILL BLVD.

ROYAL PINE HOMES

STOUFFVILLE, ONTARIO MG N.T.S. DRAWING PROJECT

14-016 SEPT. 2015