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SITE INSTRUCTION

PROJECT: HAMPTON MANOR
25 BAKER HILL BLVD
STOUFFVILLE, ONTARIO

PROJECT NO: 14-016

CONTRACT: Electrical

DATE August 23, 2017

SITE INSTRUCTION: E-5

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: Clarifications.

1.0 Reference Drawing E-10 (Power, Communication, Security and Fire Alarm Riser Diagrams) Issued

- 1.1 Clarify: 7 units from the 4th and 3rd floors going into SD-5 instead of 9 suites; 14 units in total going into SD-5.
- 1.2 Clarify: 7 units from 5th floor going into SD-6 instead of 9 suites; 21 units in total going into SD-6.
- 1.3 Clarify: 151 suites count in total.

2.0 Reference Drawing E-11 (Single Line Diagram) Issued

- 2.1 Revise: 14 units in SD-5 and 21 units in SD-6 at DP22.
- 2.2 Revise: 125/200A breaker feeding snow melting panel SM instead of 100/100A
- 2.3 Clarify: Transfer switch #2 and #4 to be 200A.

3.0 Reference Drawing E-12 (Panel Schedules) Issued

- 3.1 Clarify: Panel SM to be 600Y/347V.

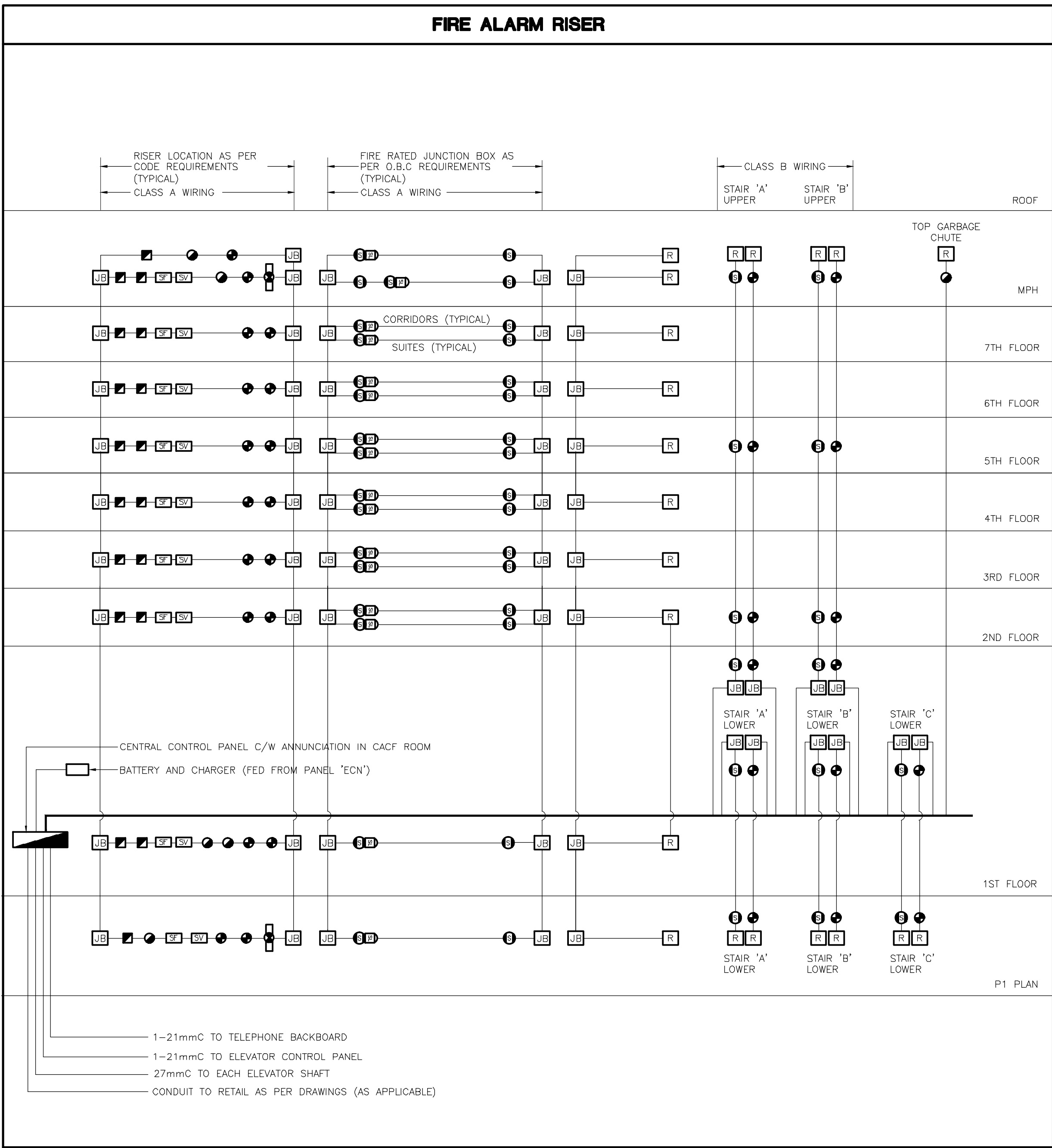
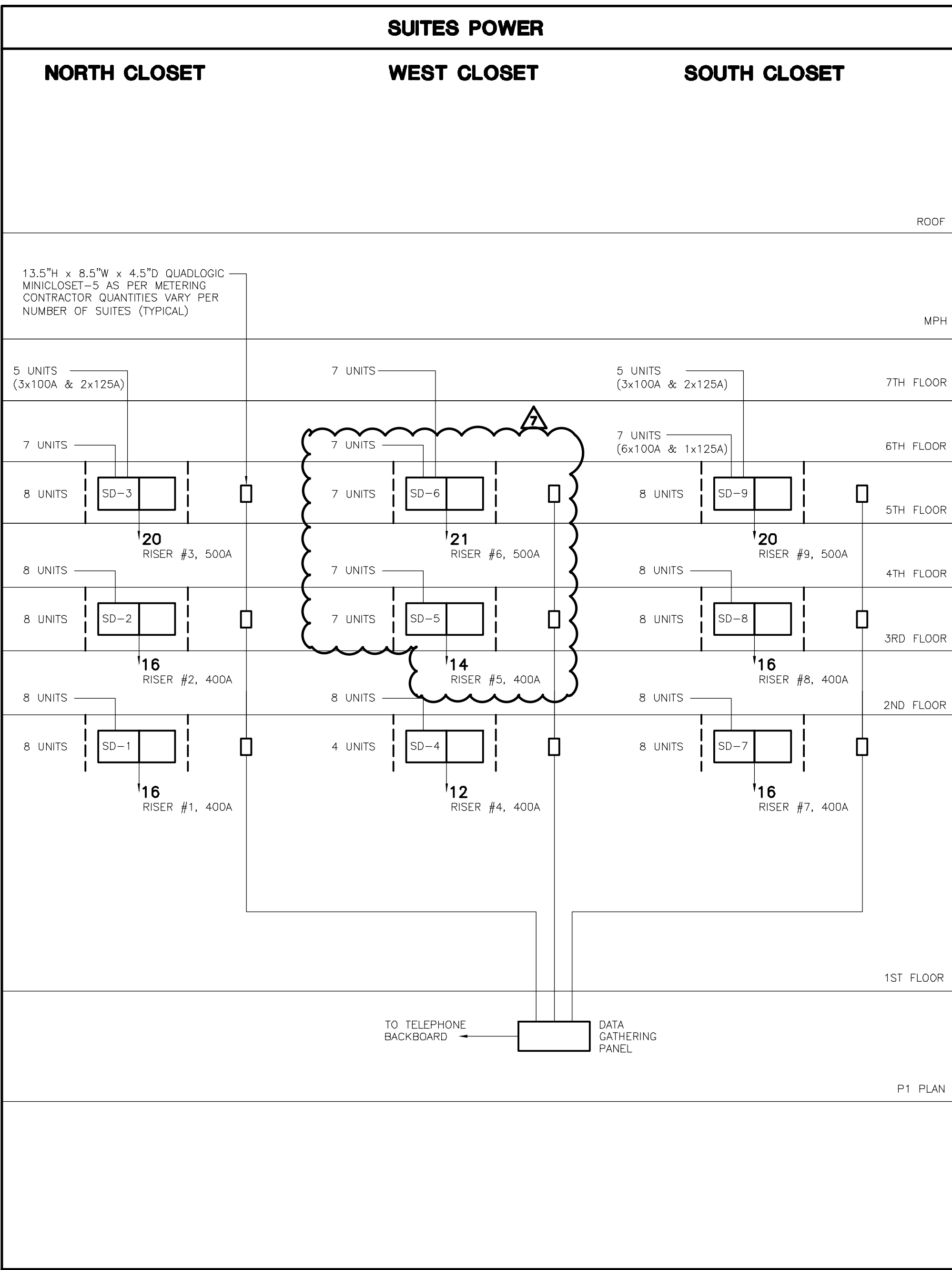
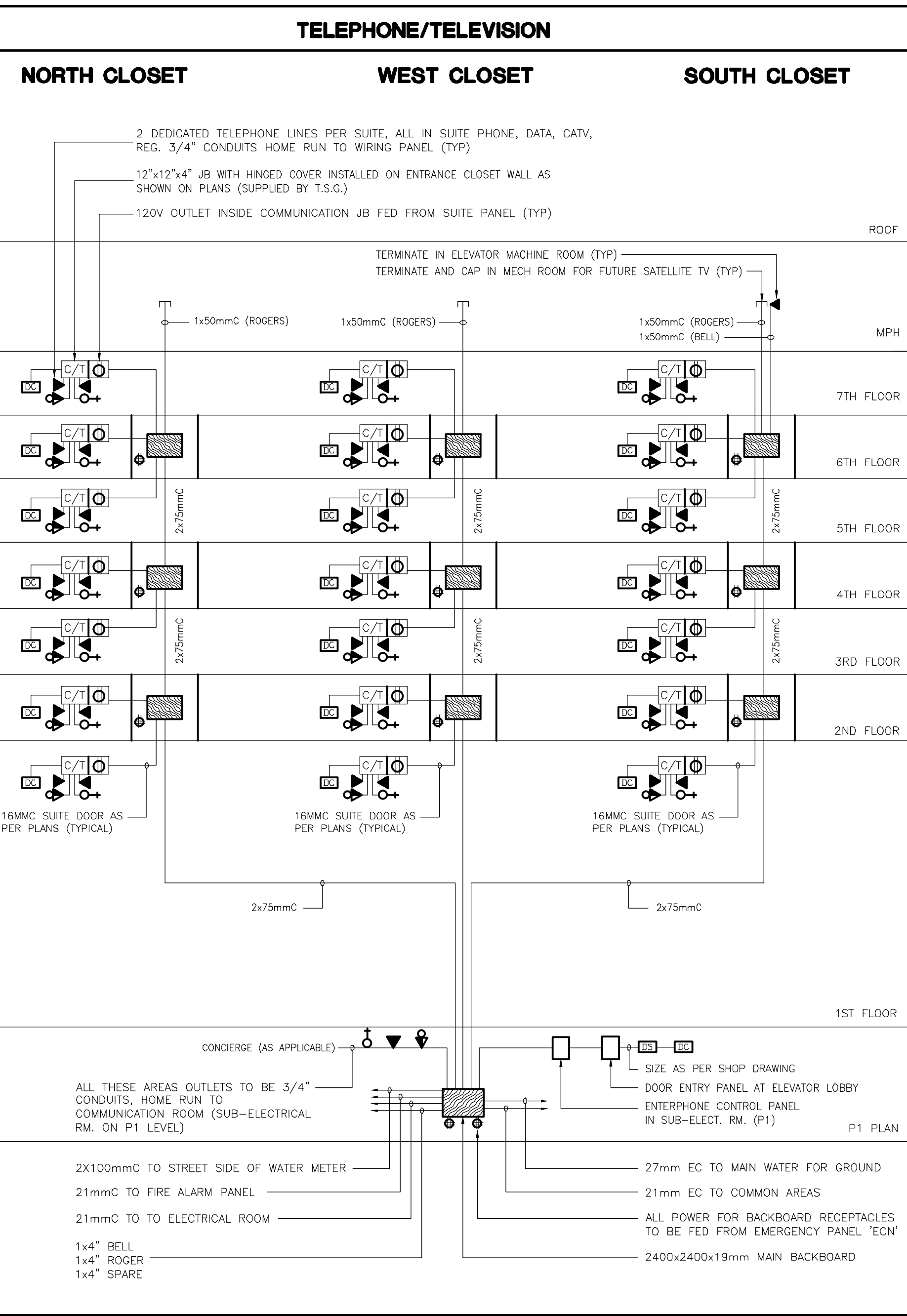
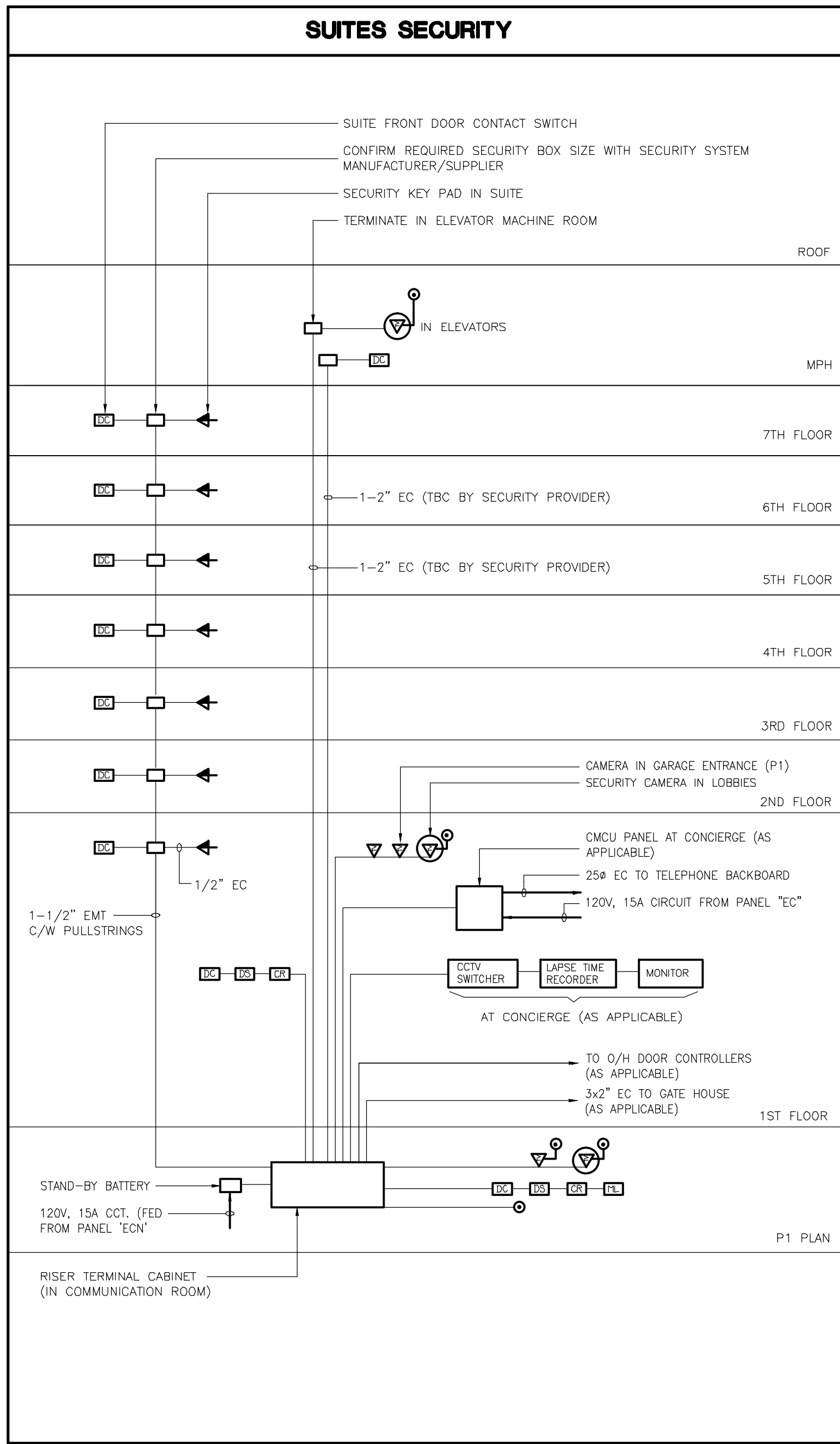
Project #14-016
Hampton Manor

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

PREPARED BY: 
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FOR DISTRIBUTION TO ALL AFFECTED PARTIES.

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- SECURITY RISER NOTES**
1. ALL CONDUIT RISERS AND BACKBOXES FOR SECURITY SYSTEM SHALL BE BY ELECTRICAL CONTRACTOR AND AS RECOMMENDED BY SYSTEM SUPPLIER.
 2. SEE FLOOR PLANS FOR EXACT NUMBER OF OUTLETS.
 3. ONE RISER PER LOCATION.
 4. SUPPLY AND INSTALLATION OF DEVICES INCLUDING WIRING, BY SECURITY CONTRACTOR.
 5. MALLOCK PERMITS BY SECURITY CONTRACTOR.
 6. COORDINATE SECURITY REQUIREMENTS FOR ELEVATOR CAMERA'S AND DEVICES PRIOR TO INSTALLATION.

- TELEPHONE/TELEVISION RISER NOTES**
1. ALL CONDUIT HOME RUNS FOR COMMUNICATION SYSTEM SHALL BE 2X27mmC. ALL CONDUITS WITHIN SUITES SHALL BE 27mmC UNLESS OTHERWISE NOTED.
 2. SEE FLOOR PLANS FOR EXACT NUMBER OF OUTLETS.
 3. WIRING BY COMMUNICATION CONTRACTOR.
 4. ALL OUTLETS FOR COMMUNICATION SYSTEM SHALL BE 4" SQUARE.

SUITES POWER PANEL SCHEDULE

DESIGNATION	MAINS	BREAKERS AND FEEDERS
SD	100A, 36, 4W OR 400A, 36, 4W	100A 2P (3C #1 RW90 FEEDERPLEX NUAL-35mmC(1-1/4") [3C-B]) OR 125A 2P (3C #2/0 RW90 FEEDERPLEX NUAL-41mmC(1-1/2") [3C-B]) - AS MARKED ON PLAN

NOTES

1. ALLOW FOR FIRE STOP/SMOKE SEAL AT ELECTRICAL CLOSET AND AT PANEL WITHIN SUITE.
2. SUITE'S PANELS ARE 100A UNLESS NOTED OTHERWISE.
3. SEE METERING NOTES FOR MORE INFORMATION.

- METERING NOTES**
1. ALL METERING EQUIPMENT (TRANSFORMERS, METER, METER BASES, CT'S, TEST BLOCKS, AND CABINETS) ARE TO BE SUPPLIED BY OTHERS. POWER REQUIREMENTS (FUSED DISCONNECTS, SPLITTER, DISCONNECT SWITCHES, AND DATA CABLEING TO BE SUPPLIED BY ELECTRICAL CONTRACTOR.
 2. DIVISION 16 TO INSTALL METERING SYSTEM AND COMPONENTS.
 3. ALLOW FOR COORDINATION WITH METERING PROVIDER PRIOR TO ROUGH-IN OF METERING SYSTEM.
 4. DIV. 16 TO PROVIDE SUITE DISTRIBUTION PANELS C/W WIRING AND ALLOW FOR INSTALLATION OF ASSOCIATED METERING EQUIPMENT (SEE NOTE #1) PROVIDED BY OTHERS.
 5. ALL CONDUITS FOR METERING EQUIPMENT BY DIV. 16.
 6. PROVIDE EMPTY PANEL, TUB OF EQUAL SIZE BESIDE SUITE DISTRIBUTION SUITE METERING SYSTEM. EMPTY PANEL TO BE PANEL FOR FUTURE. SUITABLE FOR HINGED LOCKABLE DOOR.
 7. ALLOW FOR 12 CT DONUTS PER BOX AND 2 CT DONUTS PER SUITE. PROVIDE A SEPARATE PRICE TO INSTALL DONUTS (SUPPLIED BY OTHERS) AT TIME OF SUITE FEEDER INSTALLATION.
 8. ALLOW FOR 12 CT DONUTS PER BOX AND 2 CT DONUTS PER SUITE. CONTRACTOR TO PROVIDE AND INSTALL EMPTY METER BOX(S) TO METER SYSTEM SUPPLIER.
 9. COORDINATE THE INSTALLATION OF SUITE METERING SYSTEM WITH CLIENT. ALLOW FOR ALL COSTS ASSOCIATED WITH COORDINATION.
 10. COORDINATE THE INSTALLATION OF TAMPERPROOF CHECK METERING TO CLIENT'S APPROVAL. ALLOW FOR COORDINATION WITH SYSTEM SUPPLIER.
 11. ALL THE SD->A PANELS ARE INDIVIDUALLY METERED, SUPPLIED AND COMMISSIONED BY METERING CONTRACTOR. PANEL INSTALLATION & COORDINATION AT SITE BY DIV.16

- FIRE ALARM RISER 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 CA27 TO HAVE A COMPLETE AND FULLY FUNCTIONAL INTEGRATED FIRE ALARM SYSTEM.
 11. ALLOW FOR ALL COSTS ASSOCIATED WITH VERIFICATION AS REQUIRED.
 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 WATER ENCLOSURE.
 - LOSS OF POWER TO A HEAT TRACING CABLE SERVING:
 - 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 MIA'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 3.2.4.18 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).

ELECTRICALLY SUPERVISED VALVE SCHEDULE

SUPERVISED VALVE NO.	SYSTEM	LOCATION
(S.V.#1)	INCOMING FIRE MAIN ISOLATION	SPRINKLER ROOM
(S.V.#2)	INCOMING FIRE MAIN ISOLATION	SPRINKLER ROOM
(S.V.#3)	PRIVATE HYDRANT ISOLATION	SPRINKLER ROOM
(S.V.#4)	FIRE PUMP MAIN ISOLATION	SPRINKLER ROOM
(S.V.#5)	FIRE PUMP SUCTION	SPRINKLER ROOM
(S.V.#6)	FIRE PUMP DISCHARGE	SPRINKLER ROOM
(S.V.#7)	FIRE PUMP BY-PASS	SPRINKLER ROOM
(S.V.#8)	FIRE PUMP BY-PASS	SPRINKLER ROOM
(S.V.#9)	FIRE PUMP TEST HEADER	SPRINKLER ROOM
(S.V.#10)	WET SPRINKLER AND FSP COMBINATION MAIN	SPRINKLER ROOM
(S.V.#11)	DRY SPRINKLER SYSTEM HEADER	SPRINKLER ROOM
(S.V.#12)	DRY SPRINKLER SYSTEM P-1 NORTH	SPRINKLER ROOM
(S.V.#13)	DRY SPRINKLER SYSTEM P-1 CENTRE	SPRINKLER ROOM
(S.V.#14)	DRY SPRINKLER SYSTEM P-1 SOUTH	SPRINKLER ROOM
(S.V.#15)	FIRE STANDPIPE RISER-1	P1 LEVEL
(S.V.#16)	FIRE STANDPIPE RISER-2	P1 LEVEL
(S.V.#17)	FIRE STANDPIPE RISER-3	P1 LEVEL
(S.V.#18)	FIRE STANDPIPE RISER-4	P1 LEVEL
(S.V.#19)	FIRE STANDPIPE RISER-5	P1 LEVEL
(S.V.#20)	FHC IN PARKING	P1 LEVEL
(S.V.#21)	FHC IN PARKING	P1 LEVEL
(S.V.#22)	FHC IN PARKING	P1 LEVEL
(S.V.#23)	FHC IN PARKING	P1 LEVEL
(S.V.#24)	FHC IN PARKING	P1 LEVEL
(S.V.#25)	SPRINKLER SYSTEM ON GROUND FL. (SOUTH PART)	GROUND FLOOR
(S.V.#26)	SPRINKLER SYSTEM ON 2ND LEVEL (SOUTH PART)	2ND LEVEL
(S.V.#27)	SPRINKLER SYSTEM ON 3RD LEVEL (SOUTH PART)	3RD LEVEL
(S.V.#28)	SPRINKLER SYSTEM ON 4TH LEVEL (SOUTH PART)	4TH LEVEL
(S.V.#29)	SPRINKLER SYSTEM ON 5TH LEVEL (SOUTH PART)	5TH LEVEL
(S.V.#30)	SPRINKLER SYSTEM ON 6TH LEVEL (SOUTH PART)	6TH LEVEL
(S.V.#31)	SPRINKLER SYSTEM ON 7TH LEVEL (SOUTH PART)	7TH LEVEL
(S.V.#32)	SPRINKLER SYSTEM ON GROUND FL. (NORTH PART)	GROUND FLOOR
(S.V.#33)	SPRINKLER SYSTEM ON 2ND LEVEL (NORTH PART)	2ND LEVEL
(S.V.#34)	SPRINKLER SYSTEM ON 3RD LEVEL (NORTH PART)	3RD LEVEL
(S.V.#35)	SPRINKLER SYSTEM ON 4TH LEVEL (NORTH PART)	4TH LEVEL
(S.V.#36)	SPRINKLER SYSTEM ON 5TH LEVEL (NORTH PART)	5TH LEVEL
(S.V.#37)	SPRINKLER SYSTEM ON 6TH LEVEL (NORTH PART)	6TH LEVEL
(S.V.#38)	SPRINKLER SYSTEM ON 7TH LEVEL (NORTH PART)	7TH LEVEL
(S.V.#39)	SPRINKLER SYSTEM ON MECHANICAL PENTHOUSE	PENTHOUSE
(S.V.#40)	SPRINKLER RISER IN GARAGE CHUTE	

FIRE ALARM SCHEDULE

ALARM ZONES
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
8 MECHANICAL ROOM - P1 LEVEL
9 GARAGE ROOM - P1 LEVEL
10 GARAGE LOADING AREA - P1 LEVEL
11 SPARE
12 1ST FLOOR
13 2ND FLOOR TO 7TH FLOOR
14 MECHANICAL PENTHOUSE
15 GENERATOR ROOM
16 PENTHOUSE ELECTRICAL ROOM
17 ELEVATOR MACHINE ROOM
18 ELEVATOR SHAFT
19 FRESH AIR UNIT DUCT DETECTOR MECH PENTHOUSE
20 STAR 'A' UPPER STAIR
21 STAR 'A' TOP OF UPPER STAIR
22 STAR 'A' LOWER STAIR
23 STAR 'A' TOP OF LOWER STAIR
24 STAR 'B' UPPER STAIR
25 STAR 'B' TOP OF UPPER STAIR
26 STAR 'B' LOWER STAIR
27 STAR 'B' TOP OF LOWER STAIR
28 STAR 'C' TOP OF STAIR
29 STAR 'C' TOP OF LOWER STAIR
30 STAR 'C' TOP OF LOWER STAIR
31 STAR 'C' TOP OF LOWER STAIR
32 STAR 'C' TOP OF LOWER STAIR
33 MAIN SPRINKLER FLOW ALARM
34 PARKING GARAGE LEVEL-1 SPRINKLER FLOW ALARM
35 GROUND FLOOR SOFT-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 GARAGE 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 PART)
42 SPRINKLER SYSTEM ON 2ND LEVEL FLOW ALARM (SOUTH PART)
43 SPRINKLER SYSTEM ON 3RD LEVEL FLOW ALARM (SOUTH PART)
44 SPRINKLER SYSTEM ON 4TH LEVEL FLOW ALARM (SOUTH PART)
45 SPRINKLER SYSTEM ON 5TH LEVEL FLOW ALARM (SOUTH PART)
46 SPRINKLER SYSTEM ON 6TH LEVEL FLOW ALARM (SOUTH PART)
47 SPRINKLER SYSTEM ON 7TH LEVEL FLOW ALARM (SOUTH PART)
48 SPARE
49 SPARE
50 SPARE
51 SPRINKLER SYSTEM ON GROUND FL. FLOW ALARM (NORTH PART)
52 SPRINKLER SYSTEM ON 2ND LEVEL FLOW ALARM (NORTH PART)
53 SPRINKLER SYSTEM ON 3RD LEVEL FLOW ALARM (NORTH PART)
54 SPRINKLER SYSTEM ON 4TH LEVEL FLOW ALARM (NORTH PART)
55 SPRINKLER SYSTEM ON 5TH LEVEL FLOW ALARM (NORTH PART)
56 SPRINKLER SYSTEM ON 6TH LEVEL FLOW ALARM (NORTH PART)
57 SPRINKLER SYSTEM ON 7TH LEVEL FLOW ALARM (NORTH PART)
58 SPRINKLER SYSTEM ON MECHANICAL PENTHOUSE
59 SPARE
60 SPARE
61 SPRINKLER RISER IN GARAGE CHUTE FLOW ALARM
SPARE 25%

TROUBLE ZONES

CCT # DESCRIPTION
1 MAIN INCOMING SPRINKLER LINE LOSS OF PRESSURE - 1
2 MAIN INCOMING SPRINKLER LINE LOSS OF PRESSURE - 2
3 FIRE PUMP EMERGENCY DISCONNECT "OFF"
4 FIRE ALARM SYSTEM TROUBLE
5 FIRE PUMP-LOSS OF POWER
6 FIRE PUMP RUNNING
7 FIRE PUMP PHASE REVERSAL INDICATOR
8 GEN-SET-COMMON TROUBLE
9 GENERATOR BREAKER "OFF"
10 GENERATOR RUNNING
11 LOSS OF PRESSURE OF INCOMING GAS LINE FOR GENSET
12 LOSS OF PRESSURE OF GAS LINE TO GENSET
13 FIRE LINES TRACING POWER LOSS
14 COMPRESSOR LOSS OF POWER
15 COMPRESSOR LOSS OF AIR
16 DRY SPRINKLER LOSS OF AIR PRESSURE IN P1 PARKING LEVEL
17 Jockey Pump Loss of Power
18 Jockey Pump Loss of Power
19 TRANSFER SWITCH #10 NOT IN "AUTO"
20 TRANSFER SWITCH #20 NOT IN "AUTO"
21 TRANSFER SWITCH #30 NOT IN "AUTO"
22 TRANSFER SWITCH #40 NOT IN "AUTO"
23 EMERGENCY DISCONNECT #10 "OFF"
24 EMERGENCY DISCONNECT #20 "OFF"
25 EMERGENCY DISCONNECT #30 "OFF"
26 EMERGENCY DISCONNECT #40 "OFF"
27 LOW TEMP. T-STAT IN MECHANICAL ROOM - P1 LEVEL
28 HIGH CO LEVEL DETECTION IN MECHANICAL PENTHOUSE
29 HIGH CO LEVEL DETECTION IN PARKING GARAGE
30 PIPE TRACING LOSS OF POWER **
31 SNOW MELTING LOSS OF POWER **
32 SPARE 25%
** NUMBER OF ZONES TO SUIT CODE REQUIREMENT

07 CM REVISED AS PER SI E-5 2017-08-23

06 CM ISSUED FOR CONSTRUCTION 2017-08-09

05 CM PROGRESS FOR CONSTRUCTION 2017-07-18

04 CM ISSUED FOR PERMIT 2016-12-28

03 CM REVISED AS PER SI E-2 2016-10-04

02 CM REVISED AS PER ESA COMMENTS AND FOR CLARIFICATION 2016-05-19

01 CM ISSUED FOR TENDER 2016-03-15

NO.	BY	DESCRIPTION	DATE
REVISIONS			

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United Engineering Inc. is not responsible for the accuracy of Architectural, structural, interior design, etc. on this drawing.

Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols are graphic representations only.

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POWER, COMMUNICATION, SECURITY AND FIRE ALARM RISER DIAGRAMS

PROPOSED RESIDENTIAL DEVELOPMENT
25 BAKER HILL BLVD.

ROYAL PINE HOMES
STOUFFVILLE, ONTARIO

DRAWN	CM	CHECKED	MG	SCALE	N.T.S.
DATE	SEPT. 2015	PROJECT	14-016	DRAWING	E-10
				OF	12

PANEL IDENTIF:	SERVICE: 208Y/120V, 3ø, 4W				NOTES:
	MAIN CTT. BRK:	MAINS:	225 AMPS SURFACE		LOCATION:
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS
LIGHTING - LOCKERS (P1)	15A	1	2	15A	RECEPTABLES - LOBBY ELEVATORS
LIGHTING - LOCKERS (P1)	15A	3	4	15A	RECEPTABLES - STAR A (P1)
LIGHTING - MECH. RM. (P1)	15A	5	6	15A	RECEPTABLES - STAR B (P1)
LGT. - GARBAGE/REC/BUCK (P1)	15A	7	8	15A	RECEPTABLES - STAR C (P1)
REC - GARBAGE/REC/BUCK (P1)	15A	9	10	15A	RECEPTABLES - STAR D (P1)
TRISORT - GARBAGE (P1)	20A	11	12	15A	SPARE
RECEPT. - ELEVATOR LOBBY (P1)	15A	13	14	15A	RECEPT. - LOCKERS (P1)
SPARE	15A	15	16	15A	RECEPT. - LOCKERS (P1)
	15A	17	18	15A	RECEPTABLE - MAIN ELEC. (P1)
	15A	19	20	15A	RECEPTABLE - MECH. RM. #1 (P1)
	15A	21	22	15A	REC. - SUB-ELEC. 1/COMM. (P1)
	15A	23	24	15A	RECEPTABLE - SUB-ELEC. 2 (P1)
	15A	25	26	15A	SPARE
	15A	27	28	15A	SPARE
	15A	29	30	15A	SPARE
	15A	31	32		SPACE
	15A	33	34		
	15A	35	36		
	15A	37	38		
	15A	39	40		
	15A	41	42		

PANEL IDENTIF:	SERVICE: 208Y/120V, 3ø, 4W				NOTES:
	MAIN CTT. BRK:	MAINS:	225 AMPS SURFACE		LOC. ON BREAKER
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS
LIGHTING - LOBBY ELEVATORS	15A	1	2	15A	EXIT SIGNS - (P1) ***
LIGHTING - STAIR A (P1)	15A	3	4	15A	EXIT SIGNS - (P1) ***
LIGHTING - STAIR B (P1)	15A	5	6	15A	LOWER STAIR PRESS FAN "Y-9" SA
LIGHTING - STAIR C (P1)	15A	7	8	15A	LOWER STAIR PRESS FAN "Y-9" SB
LIGHTING - STAIR D (P1)	15A	9	10	15A	LOWER STAIR PRESS FAN "Y-9" SC
SPARE	15A	11	12	15A	SPARE
LIGHTING - LOCKERS (P1)	15A	13	14	15A	
LIGHTING - LOCKERS (P1)	15A	15	16	15A	
LIGHTING - MAIN ELEC. (P1)	15A	17	18	15A	
LIGHTING - MECH. RM. (P1)	15A	19	20	15A	
LGT. - SUB-ELEC./COMM. (P1)	15A	21	22	15A	
LGT. - GARBAGE/REC/BUCK (P1)	15A	23	24	15A	
SPARE	15A	25	26	15A	
	15A	27	28		
	15A	29	30		
	15A	31	32		SPACE
	15A	33	34		
	15A	35	36		
	15A	37	38		
	15A	39	40		
	15A	41	42		

PANEL IDENTIF:	SERVICE: 120/208V, 1ø, 3ø				NOTES:
	MAIN CTT. BRK:	MAINS:	125 AMPS RECESSED		LOCATION:
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS
LTC, RECEPT. & SMOKE ALARM	1000	15A	1	2	15A** 1000
LIGHTING & RECEPTABLES	1000	15A	3	4	2P
LIGHTING & RECEPTABLES	1000	15A	5	6	15A 1000
LIGHTING & RECEPTABLES	1000	15A	7	8	2P
LIGHTING & RECEPTABLES	1000	15A	9	10	50A 6000
EXTERIOR REC. QTY AS REQUIRED	500	15A	11	12	2P
QTY RECEPTABLE	1000	15A	13	14	15A 800
FAN COIL UNIT **	1000	15A** 15	16	30A	3000 DRYER
FAN COIL UNIT **	1000	15A** 17	18	2P	
AUTO FLUSH TOILET *	15A	19	20	15A	1000 WASHER
SPARE	15A	21	22	15A	1000 DISHWASHER
SEPARATE RECEPTABLE **	500	15A	23	24	15A** BATHRM. HEATER (TOP FLOOR)**
COMBO MICROWAVE HOOD/FAN **	15A	25	26	15A** 1000	MICROWAVE
DRYER EXHAUST FAN	15A	27	28	15A** 1000	SPLIT RECEPTABLE
WINDOW A/C UNIT **	1000	15A	29	30	2P
SPARE	15A	31	32		SPACE
	15A	33	34		
	15A	35	36		
	15A	37	38		
	15A	39	40		
	15A	41	42		

PANEL IDENTIF:	SERVICE: 120/208V, 1ø, 3ø				NOTES:
	MAIN CTT. BRK:	MAINS:	100 AMPS RECESSED		LOCATION:
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS
LTC, RECEPT. & SMOKE ALARM	1000	15A	1	2	15A** 1000
LIGHTING & RECEPTABLES	1000	15A	3	4	2P
LIGHTING & RECEPTABLES	1000	15A	5	6	15A 1000
LIGHTING & RECEPTABLES	1000	15A	7	8	2P
LIGHTING & RECEPTABLES	1000	15A	9	10	50A 6000
EXTERIOR REC. QTY AS REQUIRED	500	15A	11	12	2P
QTY RECEPTABLE	1000	15A	13	14	15A 800
FAN COIL UNIT **	1000	15A** 15	16	30A	3000 DRYER
FAN COIL UNIT **	1000	15A** 17	18	2P	
AUTO FLUSH TOILET *	15A	19	20	15A	1000 WASHER
SPARE	15A	21	22	15A	1000 DISHWASHER
SEPARATE RECEPTABLE **	500	15A	23	24	15A** BATHRM. HEATER (TOP FLOOR)**
COMBO MICROWAVE HOOD/FAN **	15A	25	26	15A** 1000	MICROWAVE
DRYER EXHAUST FAN	15A	27	28	15A** 1000	SPLIT RECEPTABLE
WINDOW A/C UNIT **	1000	15A	29	30	2P
SPARE	15A	31	32		
	15A	33	34		
	15A	35	36		
	15A	37	38		
	15A	39	40		
	15A	41	42		

PANEL IDENTIF:	SERVICE: 208Y/120V, 3ø, 4W				NOTES:
	MAIN CTT. BRK:	MAINS:	225 AMPS SURFACE		LOCATION:
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS
RECEPTABLES - AMENITY (1ST)	15A	1	2	15A	RECEPTABLES - STAR C (1ST)
RECEPTABLES - AMENITY (1ST)	15A	3	4	15A	RECEPTABLES - CORRIDOR (1ST)
RECEPTABLES - AMENITY (1ST)	15A	5	6	15A	RECEPTABLES - CORRIDOR (1ST)
RECEPTABLES - AMENITY (1ST)	15A	7	8	15A	RECEPTABLES - ENTRANCE (1ST)
TV RECEPTABLES-AMENITY (1ST)	15A	9	10	15A	RECEPTABLES - LOBBY (1ST)
FIREPLACE - AMENITY (1ST)	15A	11	12	15A	RECEPTABLES - LOBBY (1ST)
FLOOR REC. - AMENITY (1ST)	15A	13	14	15A	FIREPLACE REC. - LOBBY (1ST)
FL EQUIP REC - AMENITY (1ST)	15A	15	16	15A	RECEPTABLE - CADT ROOM (1ST)
FL EQUIP REC - AMENITY (1ST)	15A	17	18	15A	CONDENSE FL REC - (1ST)
SPARE	15A	19	20	15A	CONDENSE FL REC - (1ST)
ELECTRICAL RM - AMENITY (1ST)	15A	21	22	15A	REC. - M OFFICE/MAIL (1ST)
EXT. BBQ REC - AMENITY (1ST)	15A	23	24	15A	RECEPTABLES - M OFFICE (1ST)
EXT. BBQ REC - AMENITY (1ST)	15A	25	26	15A	GFI RECEPTABLES - WC (1ST)
EXTERIOR REC. - AMENITY (1ST)	15A	27	28	15A	GFI RECEPTABLES - WC (1ST)
EXTERIOR REC. - AMENITY (1ST)	15A	29	30	15A	SPARE
GFI RECEPTABLE-DOG SPA (1ST)	15A	31	32	15A	FRIDGE - AMENITY (1ST)
GFI RECEPTABLE-DOG SPA (1ST)	15A	33	34	15A	COUNTER REC - AMENITY (1ST)
LIGHTING - LOBBY (1ST)	15A	35	36	15A	
LIGHTING - LOBBY (1ST)	15A	37	38	15A	COUNTER REC - AMENITY (1ST)
LIGHTING - AMENITY (1ST)	15A	39	40	15A	
LIGHTING - AMENITY (1ST)	15A	41	42	15A	DISHWASHER - AMENITY (1ST)
LIGHTING - AMENITY (1ST)	15A	43	44	15A	COOKTOP - AMENITY (1ST)
SPARE	15A	45	46	15A	MICRO/HOOD FAN - AMENITY
	15A	47	48	15A	STOVE - AMENITY (1ST)
	15A	49	50	15A	DOOR HOLD OPEN DEVICE
	15A	51	52	15A	DOOR HOLD OPEN DEVICE
	15A	53	54	15A	DOOR HOLD OPEN DEVICE
	15A	55	56	15A	SPARE
	15A	57	58	15A	
	15A	59	60	15A	
	15A	61	62		SPACE
	15A	63	64		
	15A	65	66		
	15A	67	68		
	15A	69	70		
	15A	71	72		

PANEL IDENTIF:	SERVICE: 208Y/120V, 3ø, 4W				NOTES:
	MAIN CTT. BRK:	MAINS:	225 AMPS SURFACE		LOC. ON BREAKER
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS
LIGHTING - STAIR C (1ST FL)	15A	1	2	15A	EXIT SIGNS - STAIR C (1ST) ***
LIGHTING - DOG SPA (1ST FL)	15A	3	4	15A	EXIT SIGNS - LOBBY (1ST) ***
LIGHTING - LOBBY (1ST FL)	15A	5	6	15A	EXIT SIGNS - AMENITY (1ST) ***
LIGHTING - LOBBY (1ST FL)	15A	7	8	15A	SPARE
LIGHTING - LOBBY (1ST FL)	15A	9	10	15A	
LIGHTING - AMENITY (1ST FL)	15A	11	12	15A	
LIGHTING - CORRIDOR (1ST FL)	15A	13	14	15A	
LIGHTING - CORRIDOR (1ST FL)	15A	15	16	15A	
LIGHTING - CORRIDOR (1ST FL)	15A	17	18	15A	
SPARE	15A	19	20	15A	
	15A	21	22	15A	
	15A	23	24	15A	
	15A	25	26	15A	
	15A	27	28	15A	
	15A	29	30		SPACE
	15A	31	32		
	15A	33	34		
	15A	35	36		
	15A	37	38		
	15A	39	40		
	15A	41	42		

PANEL IDENTIF:	SERVICE: 208Y/120V, 3ø, 4W				NOTES:
	MAIN CTT. BRK:	MAINS:	225 AMPS SURFACE		LOCATION:
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS
CD CONTROL PANEL	15A	1	2	15A	DO NOT ENTER* SIGN (P1)
ENTERPHONE CONTROL PANEL	15A	3	4	15A	AUTO DOOR OPENER ENTR.(1ST)
SECURITY REER CONTROL PANEL	15A	5	6	15A	AUTO DOOR OPENER (GND WCD)
TEL./TV RECEPTABLES	15A	7	8	15A	SPARE
TEL./TV RECEPTABLES	15A	9	10	15A	
ENTERPHONE PANEL-MAN ENTR.	15A	11	12	15A	
MASTER OPERATING SWITCH FOR F/A	15A	13	14	15A	
ELEVATOR SUMP PUMP P-10 (P1)	15A	15	16	15A	
SPARE	15A	17	18	15A	
	15A	19	20	15A	
	15A	21	22	15A	
	15A	23	24	15A	
	15A	25	26		SPACE
	15A	27	28		
	15A	29	30		
	15A	31	32		
	15A	33	34		
	15A	35	36		
	15A	37	38		
	15A	39	40		
	15A	41	42		

PANEL IDENTIF:	SERVICE: 208Y/120V, 3ø, 4W				NOTES:
	MAIN CTT. BRK:	MAINS:	225 AMPS SURFACE		LOCATION:
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS
STAIR A RECEPTABLES (2ND-7TH)	15A	1	2	15A	CORRIDOR RECEPT. (2ND-7TH)
STAIR B RECEPTABLES (2ND-7TH)	15A	3	4	15A	CORRIDOR RECEPT. (2ND-7TH)
SPARE	15A	5	6	15A	CORRIDOR RECEPT. (2ND-7TH)
RECEPTABLES - GUESS RM (1ST)	15A	7	8	15A	CORRIDOR RECEPT. (2ND-7TH)
RECEPTABLES - GUESS RM (1ST)	15A	9	10	15A	CORRIDOR RECEPT. (2ND-7TH)
DISHWASHER - GUESS RM (1ST)	15A	11	12	15A	CORRIDOR RECEPT. (2ND-7TH)
COUNTER REC - GUESS RM (1ST)	15A	13	14	15A	CORRIDOR RECEPT. (2ND-7TH)
COUNTER REC - GUESS RM (1ST)	15A	15	16	15A	CORRIDOR RECEPT. (2ND-7TH)
WC EX FAN - GUESS RM (1ST)	15A	17	18	15A	CORRIDOR RECEPT. (2ND-7TH)
WC EX FAN - GUESS RM (1ST)	15A	19	20	15A	CORRIDOR RECEPT. (2ND-7TH)
FAN COIL - GUESS RM (1ST)	15A	21	22	15A	CORRIDOR RECEPT. (2ND-7TH)
RECEPTABLE LOCKERS (2ND-7TH)	15A	23	24	15A	CORRIDOR RECEPT. (2ND-7TH)
CONDENSATE NEUTRALIZATION KIT	15A	25	26	15A	LIGHTING - LOCKER (2ND-7TH)
RECEPTABLE LOCKERS (2ND-7TH)	15A	27	28	15A	LIGHTING - LOCKER (2ND-7TH)
CONDENSATE NEUTRALIZATION KIT	15A	29	30	15A	SPARE
SPARE	15A	31	32	15A	
	15A	33	34	15A	
	15A	35	36	15A	
	15A	37	38	15A	
	15A	39	40	15A	
	15A	41	42	15A	

PANEL IDENTIF:		SERVICE: 208Y/120V, 3ø, 4W				NOTES:
		MAIN CTT. BRK:		MAINS:		
		MOUNTING:		225 AMPS SURFACE		LOCATION:
LOAD DESCRIPTION		WATTS	BRK	CIRCUITS	BRK	WATTS
LIGHTING - STAIR A (1ST-3RD)	15A	1	2	15A	EXIT SIGNS STAIR A (1ST-7TH) ***	
LIGHTING - STAIR A (4TH-6TH)	15A	3	4	15A	EXIT SIGNS STAIR B (1ST-7TH) ***	
LIGHTING - STAIR B (1ST-3RD)	15A	5	6	15A	EXIT SIGNS CORRIDOR (1ST-7TH) ***	
LIGHTING - STAIR B (4TH-6TH)	15A	7	8	15A	EXIT SIGNS CORRIDOR (1ST-7TH) ***	
LIGHTING - GARBAGE CHUTE	15A	9	10	15A	EXIT SIGNS CORRIDOR (1ST-7TH) ***	
SPARE	15A	11	12	15A	LIGHTING - CORRIDOR (2ND-3RD)	
LIGHTING - GUESS RM. (1ST)	15A	13	14	15A	LIGHTING - CORRIDOR (2ND-3RD)	
LIGHTING - LOCKER (2ND-7TH)	15A	15	16	15A	LIGHTING - CORRIDOR (2ND-3RD)	
LIGHTING - LOCKER (2ND-7TH)	15A	17	18	15A	LIGHTING - CORRIDOR (4TH-5TH)	
SPARE	15A	19	20	15A	LIGHTING - CORRIDOR (4TH-5TH)	
	15A	21	22	15A	LIGHTING - CORRIDOR (5TH-5TH)	
	15A	23	24	15A	LIGHTING - CORRIDOR (6TH-7TH)	
	15A	25	26	15A	LIGHTING - CORRIDOR (6TH-7TH)	
	15A	27	28	15A	LIGHTING - CORRIDOR (6TH-7TH)	
	15A	29	30		SPACE	
	15A	31	32			
	15A	33	34			
	15A	35	36			
	15A	37	38			
	15A	39	40			
	15A	41	42			