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SITE INSTRUCTION

PROJECT: HAMPTON MANOR
25 BAKER HILL BLVD
STOUFFVILLE, ONTARIO

PROJECT NO: 14-016

CONTRACT: Electrical

DATE November 17, 2017

SITE INSTRUCTION: E-14

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: As per mechanical SI M-9 and Building Inspector, and for clarifications

1.0 Reference Drawing E-2A (P1 Level - 2A) Issued

- 1.1 Relocate: Power connection and control panel for sanitary sump pit 'P-8' and for storm sump pump 'P-9'.
- 1.2 Relocate: Insulate and electrically trace for 75Ø sanitary discharge and for 100Ø storm discharge.

2.0 Reference Drawings E-3A (Ground Floor - A) Issued E-4A (2nd Floor - A) Issued E-5A (3rd to 5th Floor - A) Issued E-6A (6th Floor - A) Issued E-7A (7th Floor - A) Issued

- 2.1 Add: Power door operator c/w push buttons for barrier free in corridor horizontal exits
- 2.2 Clarify: Circuits for door hold open device

3.0 Reference Drawing E-3A (Ground Floor - A) Issued

- 3.1 Clarify: Suites key note #16 to state:

Project #14-016
Hampton Manor

120V smoke alarm/carbon monoxide combo detector in suites on ground,
2nd, 3rd, 6th and 7th floor and

120V smoke alarm detector in suites on 4th and 5th floor

4.0 Reference Drawings E-5A and E-5B (3rd to 5th Floor – A and B) Issued

4.1 Clarify: 120V smoke alarm/carbon monoxide combo detector in suites on 3rd floor
120V smoke alarm detector in suites on 4th and 5th floor

4.2 Add: One (1) fire alarm strobe light in suites 001/002 and 003/004

4.3 Add: Key note #6

5.0 Reference Drawings E-6A and E-6B (6th Floor – A and B) Issued

5.1 Clarify: 120V smoke alarm/carbon monoxide combo detector in suites on 6th floor

5.2 Delete: One (1) fire alarm strobe light in suites 613 and 616

6.0 Reference Drawing E-10 (Riser Diagrams) Issued

6.1 Clarify: 3 units in suites' power SD-4 at west closet on the ground floor

7.0 Reference Drawing E-12 (Panel Schedules) Issued

7.1 Revise: Panels EC and ECN

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

PREPARED BY: 
Chula Meksavanh
Electrical Department

ISSUED TO ROYAL PINE HOMES,
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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

FOR CONTINUATION REFER TO DWG. E-2B

KEY NOTES:

- WHEN CONNECTING GARAGE LIGHTS TO "000" EACH SENSOR TO BE AS A LIGHT BAY FOR NORMAL LIGHTS. EMERGENCY LIGHTS NOT CONNECTED TO (TYPICAL)
- CO AUDIO/VISUAL INDICATOR
- SMOKE DETECTOR ELEVATOR RECALL CO-ORDINATE WITH ELEVATOR CONTRACTOR
- 20A TRISORTER CONTROL PANEL
- GARBAGE COMPACTOR TRISORTER FED FROM DP24
- G/H DOOR OPERATOR FED FROM DPEN21
- DO NOT ENTER SIGNAGE INTERCONNECTED TO FIRE ALARM ECN-2
- G/H DOOR CONTROL PANEL TO BE INTERCONNECTED TO FIRE ALARM SYSTEM TO OPEN UPON ACTIVATION OF FIRE ALARM
- WIRELESS RECEIVER
- IRRIGATION PUMP "P-X" COORDINATE EXACT LOCATION ON SITE WITH LANDSCAPE DESIGNER (X HP X/V/60) FED FROM XXX
- ISA 211 RECEPTACLE FOR THE IRRIGATION CONTROLLER COORDINATE EXACT LOCATION ON SITE WITH LANDSCAPE DESIGNER
- 1" CONDUIT C/W PULL STRING FROM THE IRRIGATION CONTROLLER TO THE WATER SUPPLY POINT OF CONNECTION OUTSIDE THE BUILDING COORDINATE EXACT LOCATION ON SITE WITH LANDSCAPE DESIGNER (TYPICAL)
- SPARE
- SPARE
- VANDAL PROOF SANITARY SUMP PIT C/W "P-8" (DUPLEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL
- VANDAL PROOF STORM SUMP PUMP C/W "P-9" (DUPLEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL
- GARBAGE EXHAUST FAN "F-11" (5HP 600/3/60) PROVIDE VANDAL PROOF CONTROL EQUIPMENT TO BE INTERLOCKED WITH CO SYSTEM FED FROM DPEN2
- LIGHTING CONTROL TO BE INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN (TYPICAL IN LOCKERS) REFER TO DETAIL
- LOWER STAIR PRESSURIZATION FAN C/W DUCT SMOKE DETECTOR AND FIRE ALARM ZONE EB-6 (STAIR A) EB-8 (STAIR B) EB-10 (STAIR C)
- INSULATE AND ELECTRICALLY TRACE EXPOSED PIPING (TYPICAL)
- DRUM DRIP ELECTRICALLY TRACED & INSULATED FED FROM PANEL "ET"
- TOP OF STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- 20W NON FREEZE HOSE BIBB INSULATE & ELECTRICALLY TRACE EXPOSED PIPING THRU OUT TO BE FED FROM PANEL "ET" (TYPICAL)
- GFI OUTLET FOR WATER SOFTENER EXACT LOCATION TO BE CONFIRMED ON SITE

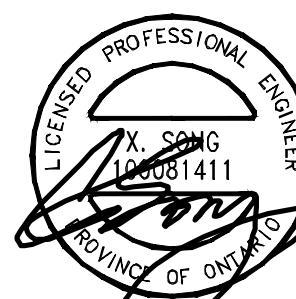
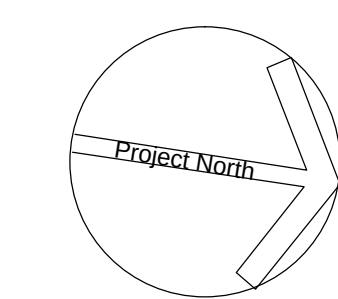
NOTES:

- ALL INSULATE AND ELECTRICALLY HEAT TRACING TO BE READ IN CONJUNCTION WITH MECHANICAL AND SPRINKLER DRAWINGS.
- POWER REQUIREMENT FOR IRRIGATION PUMP "P-X" TBC BY LANDSCAPE DESIGNER.

NO.	BY	DESCRIPTION	DATE
08	CM	REVISED AS PER SI E-14	2017-11-17
07	CM	REVISED AS PER SI E-10	2017-09-12
06	CM	REVISED AS PER SI E-3	2017-08-11
05	CM	ISSUED FOR CONSTRUCTION	2017-08-09
04	CM	PROGRESS FOR CONSTRUCTION	2017-07-18
03	CM	ISSUED FOR PERMIT	2016-12-28
02	CM	REVISED AS PER ISA COMMENTS AND FOR CLARIFICATION	2016-05-19
01	CM	ISSUED FOR TENDER	2016-03-15

REVISIONS

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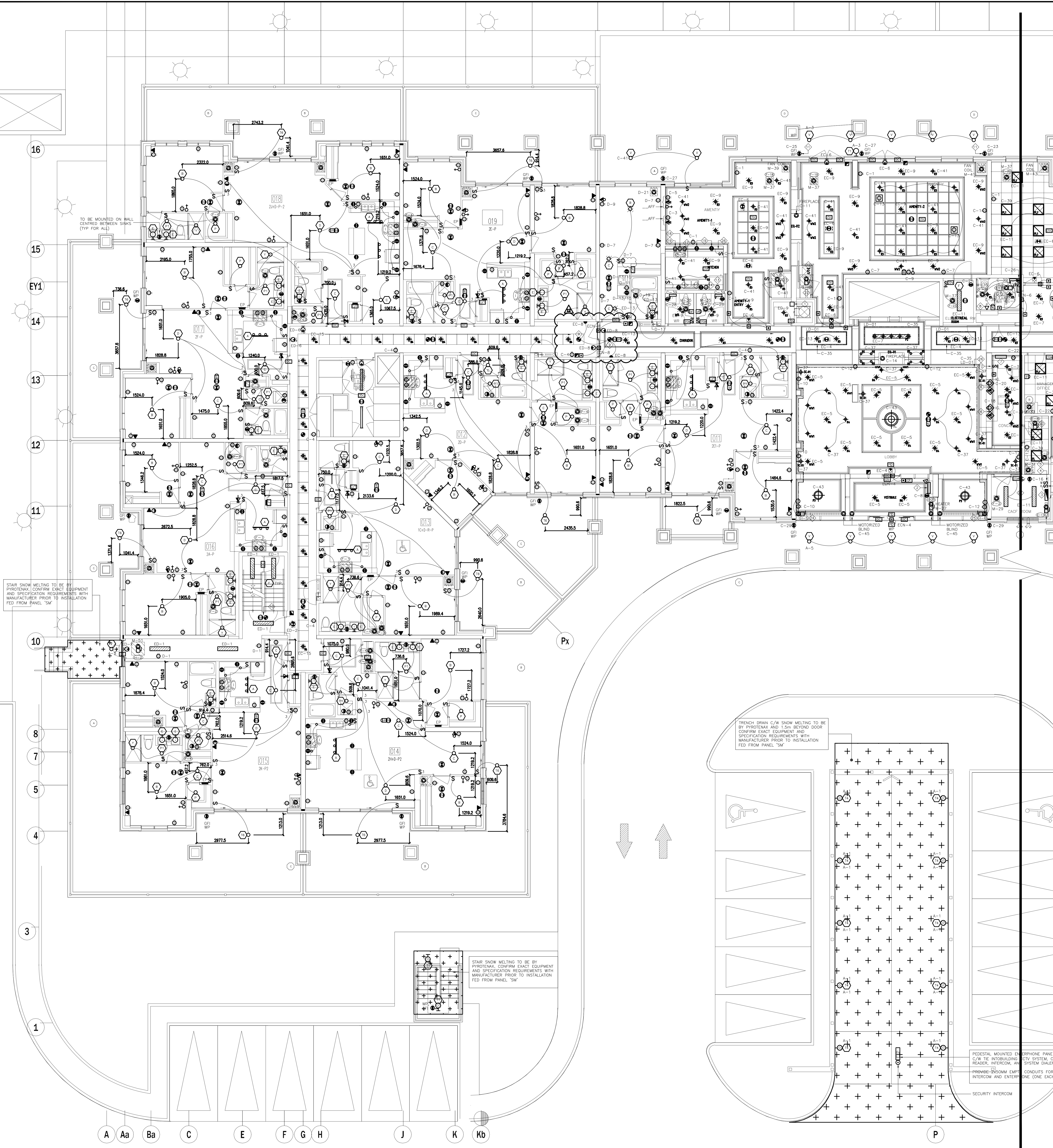
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TITLE
**PARKING P1 LEVEL - A
ELECTRICAL**

PROJECT
**PROPOSED RESIDENTIAL DEVELOPMENT
25 BAKER HILL BLVD.**

**ROYAL PINE HOMES
STOUFFVILLE, ONTARIO**

DRAWN	CM	CHECKED	MG	SCALE	1:100
DATE	SEPT. 2015	PROJECT	14-016	DRAWING	E-2A
				OF	12



- SUITES' KEY NOTES (TYPICAL)**
- 1 DOOR CONTACT
 - 2 SUITE INTRUSION ALARM AND KEYPAD WITH DIGITAL DISPLAY
 - 3 IN SUITE TELEPHONE/TV COMBO DISTRIBUTION PANEL
 - 4 CEILING MOUNTED FIRE ALARM COMBINATION SPEAKER/STROBE LIGHT
 - 5 120V U-GROUND DUPLEX RECEPTACLE FOR GENERAL PURPOSES
 - 6 120V U-GROUND DUPLEX RECEPTACLE WITH ONE HALF SWITCH CONTROLLED
 - 7 WALL MOUNTED TELEPHONE OUTLET
 - 8 120V, 15A, RECEPTACLE FOR FRIDGE
 - 9 120V, 20A, T-SLOT RECEPTACLE MOUNTED ABOVE COUNTER TOP (ALL RECEPTACLES LOCATED WITHIN 1.5M OF KITCHEN SINKS ALONG THE WALL BEHIND THE COUNTERS SHALL BE PROTECTED BY GFI BREAKERS OF THE CLASS A TYPE)
 - 10 UNDER COUNTER LIGHTING TYPE TO BE CONFIRMED BY CLIENT
 - 11 250V, 18, 4W, 50A RECEPTACLE FOR RANGE. CONNECT WITH 3/4" BX OR 3/8" THW-19MM CONDUIT
 - 12 RECEPTACLE FOR KITCHEN MICROWAVE AND EXHAUST FAN
 - 13 120V U-GROUND DUPLEX RECEPTACLE FOR DISHWASHER
 - 14 WALL MOUNTED COMBINATION TV/TELEPHONE OUTLET
 - 15 CEILING MOUNTED 120V SMOKE ALARM/CARBON MONOXIDE COMBO DETECTOR (FOR 1ST, 2ND, 3RD, 4TH AND 7TH FLOORS)
 - 16 CEILING MOUNTED 120V SMOKE ALARM DETECTOR (FOR ALL OTHER FLOORS (4TH-5TH))
 - 17 ALL DETECTORS WITHIN SAME SUITE TO BE INTERCONNECTED AND HAVE A VISUAL SIGNALING COMPONENT IN ACCORDANCE WITH CEC
 - 18 GFI BREAKER FOR KITCHEN AND BATH
 - 19 REFER TO MECHANICAL DRAWING FOR MORE DETAILS
 - 20 120V U-GROUND DUPLEX GFI RECEPTACLE FOR WASHROOM
 - 21 120V, 15A, RECEPTACLE FOR WASHER
 - 22 250V, 18, 4W, 30A RECEPTACLE FOR DRYER. CONNECT TO 3/4" BX OR 3/8" THW-19MM CONDUIT
 - 23 WALL MOUNTED TV OUTLET
 - 24 DIRECT CONNECTION FOR DRYER EXHAUST FAN
 - 25 DIRECT CONNECTION FOR WASHROOM EXHAUST FAN
 - 26 FLUSH MOUNTED SUITE SERVICE PANEL. SEE DRAWING E-16 FOR SUITE PANEL SCHEDULE
 - 27 120V U-GROUND DUPLEX GFI, WEATHER PROOF RECEPTACLE IN BALCONY (TYPICAL FOR 1ST FLOOR AND EXTERIOR BALCONY ONLY)
 - 28 120V U-GROUND DUPLEX WEATHER PROOF RECEPTACLE IN BALCONY (TYPICAL FOR 2ND TO 7TH FLOOR)
- NOTES:
ALSO REFER TO TYPICAL SUITES NOTES ON DRAWING E-9B. (ALL RECEPTACLES SHALL BE PROTECTED BY AFCI-FAULT INTERRUPTERS)

- GENERAL KEY NOTES**
- 1 JUNCTION BOX FOR TRI-SORT GARBAGE SYSTEM
 - 2 ENTERPHONE PANEL C/W TIE INTO BUILDING CCTV SYSTEM, CARD READER, INTERCOM, AND SYSTEM DIALER
 - 3 FED FROM ECN-11
 - 4 GACF FIRE ALARM CONTROL PANEL
 - 5 KEY SWITCH ELEVATOR RECALL CO-ORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR
 - 6 FIRE ALARM MASTER OPERATION SWITCH FOR FIRE DEPARTMENT MASTER CONTROL
 - 7 FED FROM ECN-13
 - 8 CONFIRM POWER AND COMMUNICATION REQUIREMENTS AT CONCERGE DESK WITH CLIENT. PROVIDE 4x2" CONDUIT TO COMMUNICATION ROOM
 - 9 BUILDING STATUS ANNUNCIATOR PANEL
 - 10 EMERGENCY BUTTON C/W INTERCONNECTION TO CONCERGE
 - 11 DOOR HOLD OPEN DEVICE INTERCONNECTED TO FIRE ALARM SYSTEM TO RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM INTERCONNECTED TO LOCALIZED SMOKE DETECTORS
 - 12 TOP OF STAIR
 - 13 SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
 - 14 GFI WATERPROOF BLDG RECEPTACLE TO BE INSTALLED AT LEAST 1M AWAY FROM GAS CONNECTION. COORDINATE EXACT LOCATION ON SITE. (TYPICAL FOR 2)
 - 15 FIREPLACE'S CONTROL REQUIREMENT AND LOCATION TBC
 - 16 FRIDGE
 - 17 C-32
 - 18 DISHWASHER
 - 19 C-42
 - 20 SPLIT COUNTER RECEPTACLES
 - 21 C-34/36
 - 22 SPLIT COUNTER RECEPTACLES
 - 23 C-38/40
 - 24 COOKTOP
 - 25 C-44
 - 26 MICRO/FAN
 - 27 C-46
 - 28 STOVE
 - 29 C-48
 - 30 SPLIT SYSTEM E-8 (STORAGE)
 - 31 M-42/44
 - 32 SPLIT SYSTEM E-8 (WC)
 - 33 M-46/48
 - 34 SPLIT SYSTEM E-8 (AMEN)
 - 35 M-50/52
 - 36 SPLIT SYSTEM E-8 (AMEN)
 - 37 M-54/56
 - 38 BASEBOARD HEATER
 - 39 M-23
 - 40 BASEBOARD HEATER
 - 41 M-25
 - 42 COVE LIGHTING "LD-01"
 - 43 C-35
 - 44 GACF ROOM IS REQUIRED TO CONTAIN THE FOLLOWING CONTROLS:
 - 1. 4 MEANS TO CONTROL THE VOICE COMMUNICATION SYSTEM
 - 2. MEANS TO INDICATE AUDIBLE AND VISUAL ALARM SIGNALS
 - 3. MEANS TO INDICATE VISUALLY THAT ELEVATORS ARE ON EMERGENCY RECALL
 - 4. MEANS TO TRANSMIT ALARM SIGNALS TO THE FIRE DEPARTMENT
 - 5. MEANS TO RELEASE HOLD-OPEN DEVICES
 - 6. MEANS TO MANUALLY ACTIVATE ALARM SIGNALS
 - 7. MEANS TO SILENCE ALARM SIGNALS
 - 8. MEANS TO COMMUNICATE WITH EVERY ELEVATOR CAR
 - 9. MEANS TO INDICATE VISUALLY INDIVIDUAL SPRINKLER SYSTEM WATER FLOW SIGNALS
 - 10. A SWITCH TO SILENCE THE AUDIBLE PORTION OF A SUPERVISORY SIGNAL OR A TROUBLE SIGNAL
 - 11. CONTROLS TO STOP AIR HANDLING SYSTEM
 - 12. CONTROLS TO INITIATE EMERGENCY PRESSURIZATION AIR SUPPLIES
 - 13. CONTROLS TO OPERATE POWERED DOOR OPERATORS AND/OR MOTORIZED FIRE DAMPERS FORMING PART OF A PRESSURIZATION/RELIEF SYSTEM
 - 45 CONFIRM ALL DIMENSIONS OF LIGHTING FIXTURES ON SITE WITH CLIENT PRIOR TO ROUGH-IN.

1. ELECTRICAL DRAWINGS TO BE READ IN CONJUNCTION WITH THE INTERIOR DESIGNER'S DRAWINGS IN AREAS SUCH AS LOBBY, AMENITY, MANAGEMENT OFFICE, MAIL, CONCERGE AND CORRIDORS. REFER TO THE INTERIOR DESIGNER'S DRAWINGS FOR EXACT LOCATION, REQUIREMENTS, MOUNTING HEIGHT AND LIGHTING SPECIFICATION.

FOR CONTINUATION REFER TO DWG. E-3B

NO.	BY	DESCRIPTION	DATE
12	CM	REVISED AS PER SI E-14	2017-11-17
11	CM	REVISED AS PER SI E-13	2017-10-18
10	CM	REVISED AS PER SI E-10	2017-09-12
09	CM	REVISED AS PER SI E-8	2017-08-29
08	CM	REVISED AS PER SI E-4	2017-08-17
07	CM	REVISED AS PER SI E-3	2017-08-11
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 ADD E-1 FOR CLARIFICATION	2016-12-12
02	CM	REVISED AS PER ESA COMMENTS AND FOR CLARIFICATION	2016-05-19
01	CM	ISSUED FOR TENDER	2016-03-15

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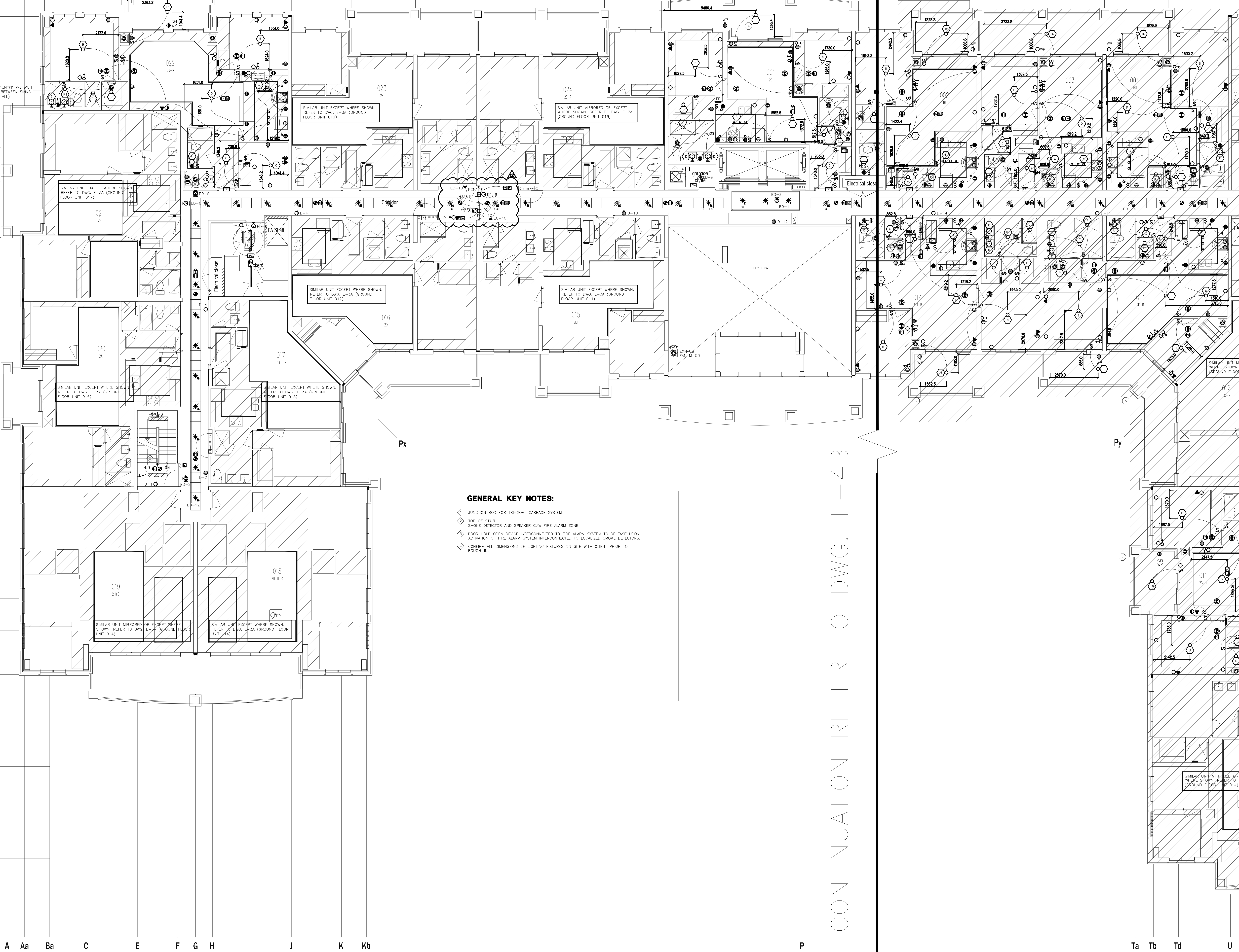
GROUND FLOOR PLAN - A ELECTRICAL

PROPOSED RESIDENTIAL DEVELOPMENT 25 BAKER HILL BLVD.

ROYAL PINE HOMES STOUFFVILLE, ONTARIO

DRAWN	CM	CHECKED	MG	SCALE	1:75
DATE	SEPT. 2015	PROJECT	14-016	DRAWING	E-3A
				OF	12

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GENERAL KEY NOTES:

- ◆ JUNCTION BOX FOR TRI-SORT GARBAGE SYSTEM
- ◆ TOP OF STAIR
- ◆ SMOKE DETECTOR AND SPEAKER C/N FIRE ALARM ZONE
- ◆ DOOR HOLD OPEN DEVICE INTERCONNECTED TO FIRE ALARM SYSTEM TO RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM INTERCONNECTED TO LOCALIZED SMOKE DETECTORS.
- ◆ CONFIRM ALL DIMENSIONS OF LIGHTING FIXTURES ON SITE WITH CLIENT PRIOR TO PROCEEDING.

FOR CONTINUATION REFER TO DWG. E-4B

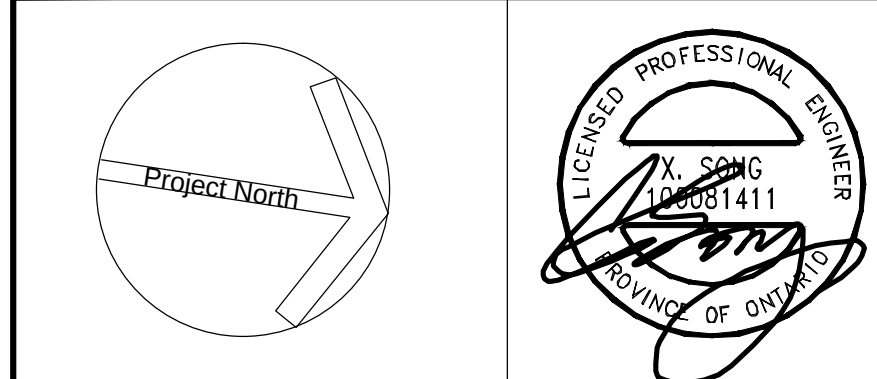
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11	CM	REVISED AS PER SI E-13	2017-10-18
10	CM	REVISED AS PER SI E-12	2017-10-11
09	CM	REVISED AS PER SI E-3	2017-08-11
08	CM	ISSUED FOR CONSTRUCTION	2017-08-09
07	CM	PROGRESS FOR CONSTRUCTION	2017-07-18
06	CM	ISSUED FOR PERMIT	2016-12-28
05	CM	REVISED AS PER ADDENDUM E-1	2016-12-12
04	CM	REVISED AS PER SI E-2	2016-10-04
03	CM	REVISED AS PER SI E-1	2016-08-22
02	CM	REVISED AS PER ESA COMMENTS AND FOR CLARIFICATION	2016-05-19
01	CM	ISSUED FOR TENDER	2016-03-15

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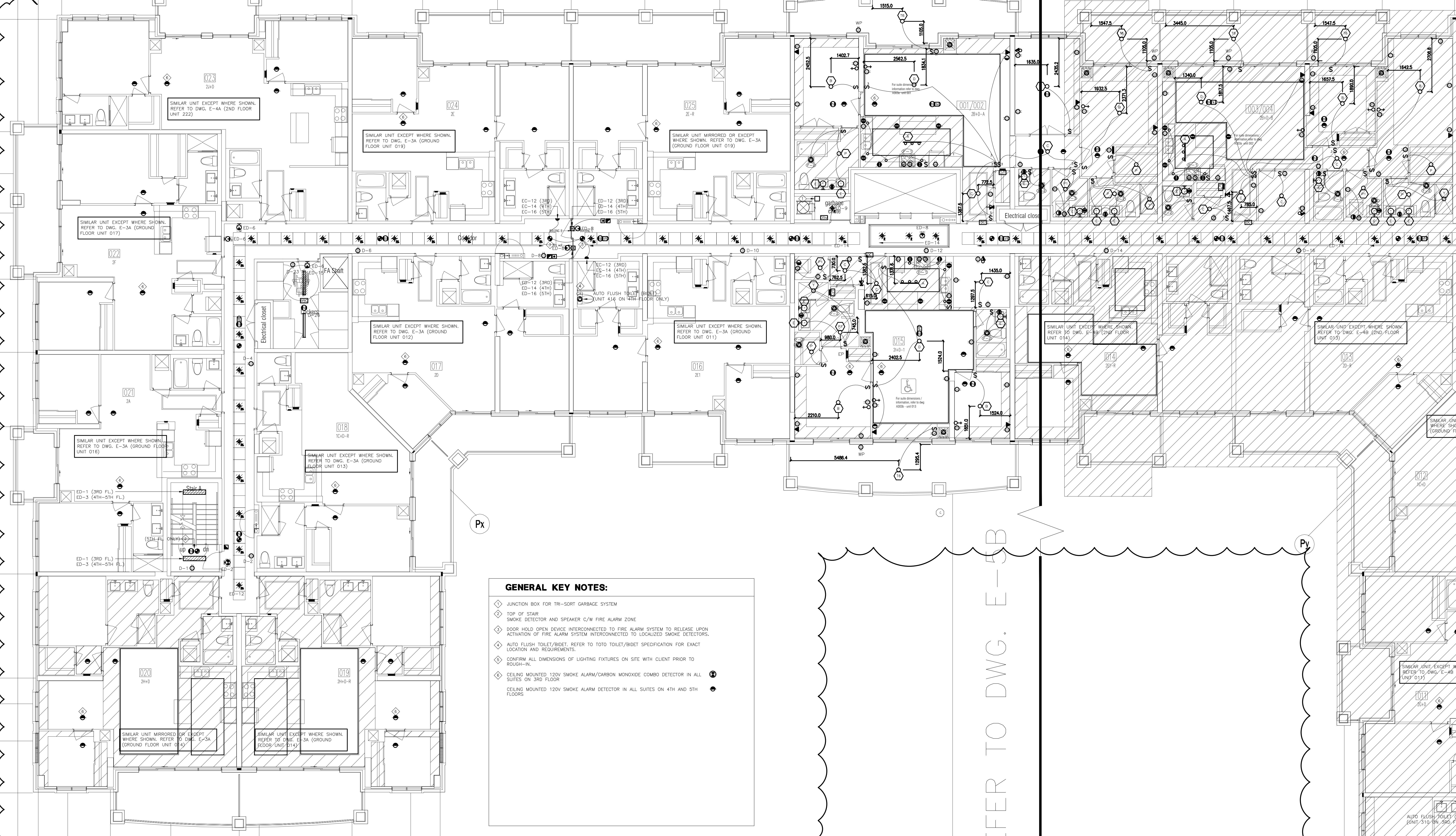
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TITLE 2ND FLOOR PLAN - A ELECTRICAL		
PROJECT PROPOSED RESIDENTIAL DEVELOPMENT 25 BAKER HILL BLVD.		
LOCATION ROYAL PINE HOMES STOUFFVILLE, ONTARIO		
DRAWN CM	CHECKED MG	SCALE 1:75
DATE SEPT. 2015	PROJECT 14-016	DRAWING E-4A OF 12

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GENERAL KEY NOTES:

- ◆ JUNCTION BOX FOR TRI-SORT GARBAGE SYSTEM
- ◆ TOP OF STAIR
- ◆ SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- ◆ DOOR HOLD OPEN DEVICE INTERCONNECTED TO FIRE ALARM SYSTEM TO RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM INTERCONNECTED TO LOCALIZED SMOKE DETECTORS.
- ◆ AUTO FLUSH TOILET/BINET, REFER TO TOTO TOILET/BINET SPECIFICATION FOR EXACT LOCATION AND REQUIREMENTS.
- ◆ CONFIRM ALL DIMENSIONS OF LIGHTING FIXTURES ON SITE WITH CLIENT PRIOR TO ROUGH-IN.
- ◆ CEILING MOUNTED 120V SMOKE ALARM/CARBON MONOXIDE COMBO DETECTOR IN ALL SUITES ON 3RD FLOOR.
- ◆ CEILING MOUNTED 120V SMOKE ALARM DETECTOR IN ALL SUITES ON 4TH AND 5TH FLOORS.

A Aa Ba C E F G H J K Kb

FOR CONTINUATION REFER TO DWG. E-5B

Ta Tb Td U

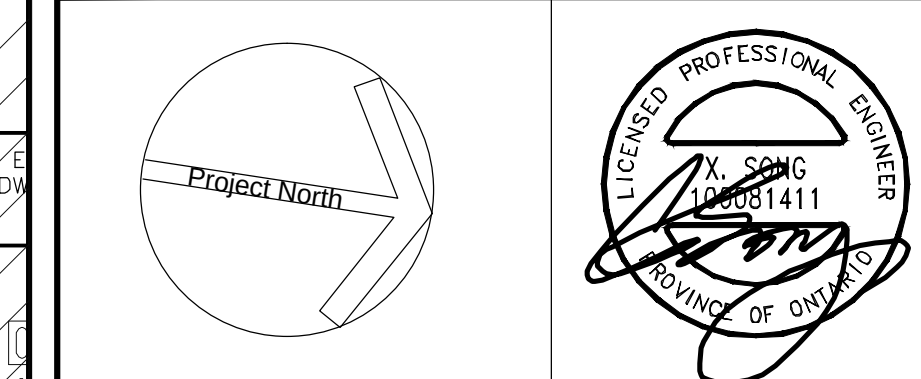
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12	CM	REVISED AS PER SI E-14	2017-11-17
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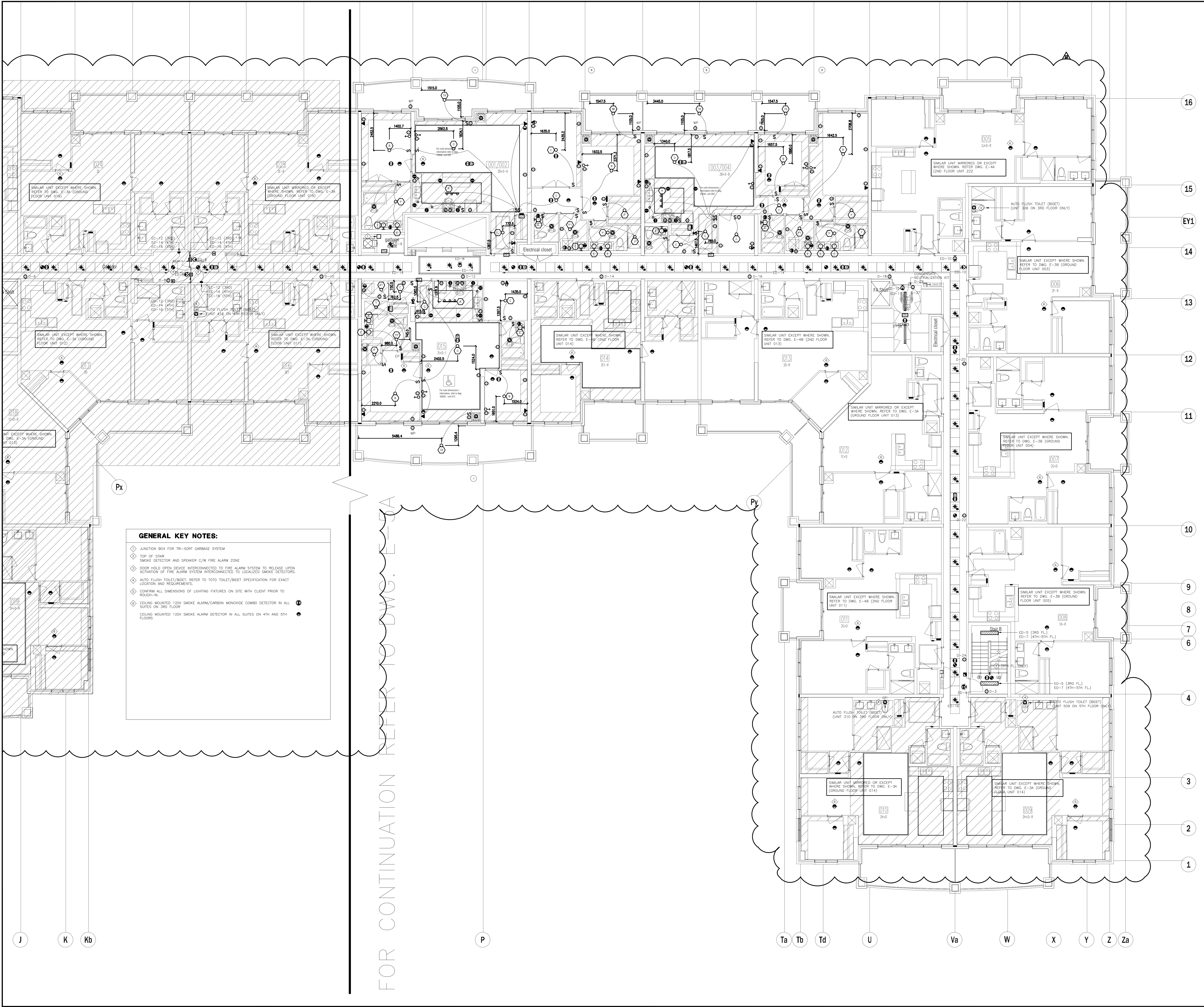
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TITLE	3RD-5TH FLOOR PLANS - A ELECTRICAL		
PROJECT	PROPOSED RESIDENTIAL DEVELOPMENT 25 BAKER HILL BLVD.		
	ROYAL PINE HOMES STOUFFVILLE, ONTARIO		
DRAWN	CM	CHECKED	MG
DATE	SEPT. 2015	PROJECT	14-016
		SCALE	1:75
		DRAWING	E-5A
		OF	12



GENERAL KEY NOTES:

- ◆ JUNCTION BOX FOR TRI-SORT GARBAGE SYSTEM
- ◆ TOP OF STAIR
- ◆ SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- ◆ DOOR HOLD OPEN DEVICE INTERCONNECTED TO FIRE ALARM SYSTEM TO RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM INTERCONNECTED TO LOCALIZED SMOKE DETECTORS.
- ◆ AUTO FLUSH TOILET/BIDET, REFER TO TOILET/BIDET SPECIFICATION FOR EXACT LOCATION AND REQUIREMENTS.
- ◆ CONFIRM ALL DIMENSIONS OF LIGHTING FIXTURES ON SITE WITH CLIENT PRIOR TO PROCEEDING.
- ◆ CEILING MOUNTED 120V SMOKE ALARM/CARBON MONOXIDE COMBO DETECTOR IN ALL SUITES ON 3RD FLOOR
- ◆ CEILING MOUNTED 120V SMOKE ALARM DETECTOR IN ALL SUITES ON 4TH AND 5TH FLOORS

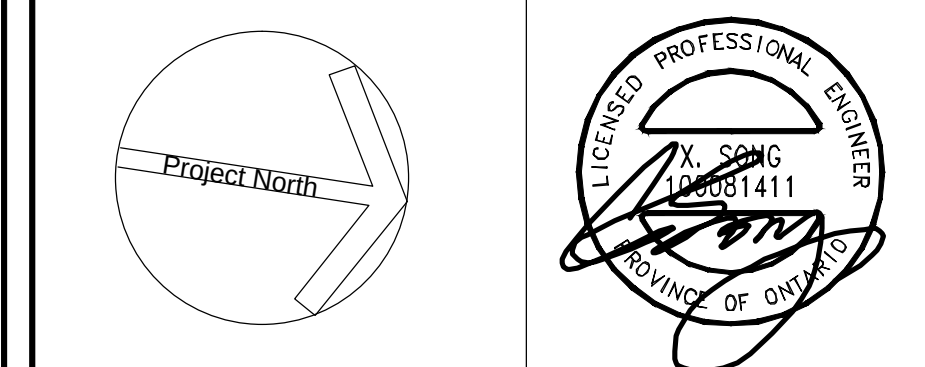
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04	CM	ISSUED FOR PERMIT	2016-12-28
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TITLE 3RD-5TH FLOOR PLANS - B ELECTRICAL		
PROJECT PROPOSED RESIDENTIAL DEVELOPMENT 25 BAKER HILL BLVD.		
LOCATION ROYAL PINE HOMES STOUFFVILLE, ONTARIO		
DRAWN CM	CHECKED MG	SCALE 1:75
DATE SEPT. 2015	PROJECT 14-016	DRAWING E-5B OF 12

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GENERAL KEY NOTES:

- ◆ JUNCTION BOX FOR TRI-SORT GARBAGE SYSTEM
- ◆ TOP OF STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- ◆ FOR ALL BALCONY RECEPTACLES ON 6TH AND 7TH FLOOR TO BE 1.0M AWAY FROM GAS CONNECTION
- ◆ DOOR HOLD OPEN DEVICE INTERCONNECTED TO FIRE ALARM SYSTEM TO RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM INTERCONNECTED TO LOCALIZED SMOKE DETECTORS
- ◆ AUTO FLUSH TOILET/BIDET, REFER TO TOILET/BIDET SPECIFICATION FOR EXACT LOCATION AND REQUIREMENTS
- ◆ CONFIRM ALL DIMENSIONS OF LIGHTING FIXTURES ON SITE WITH CLIENT PRIOR TO ROUGH-IN

FOR CONTINUATION REFER TO DWG. E-6B

NO.	BY	DESCRIPTION	DATE
10	CM	REVISED AS PER SI E-14	2017-11-17
09	CM	REVISED AS PER SI E-12	2017-10-11
08	CM	REVISED AS PER SI E-10	2017-09-12
07	CM	REVISED AS PER SI E-3	2017-08-11
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 ADDENDUM E-1	2016-12-12
02	CM	REVISED AS PER ESA COMMENTS AND FOR CLARIFICATION	2016-05-19
01	CM	ISSUED FOR TENDER	2016-03-15

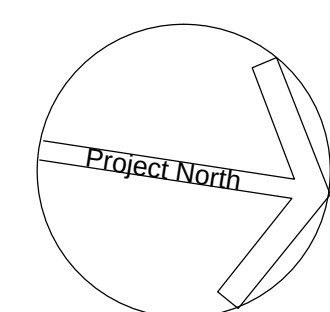
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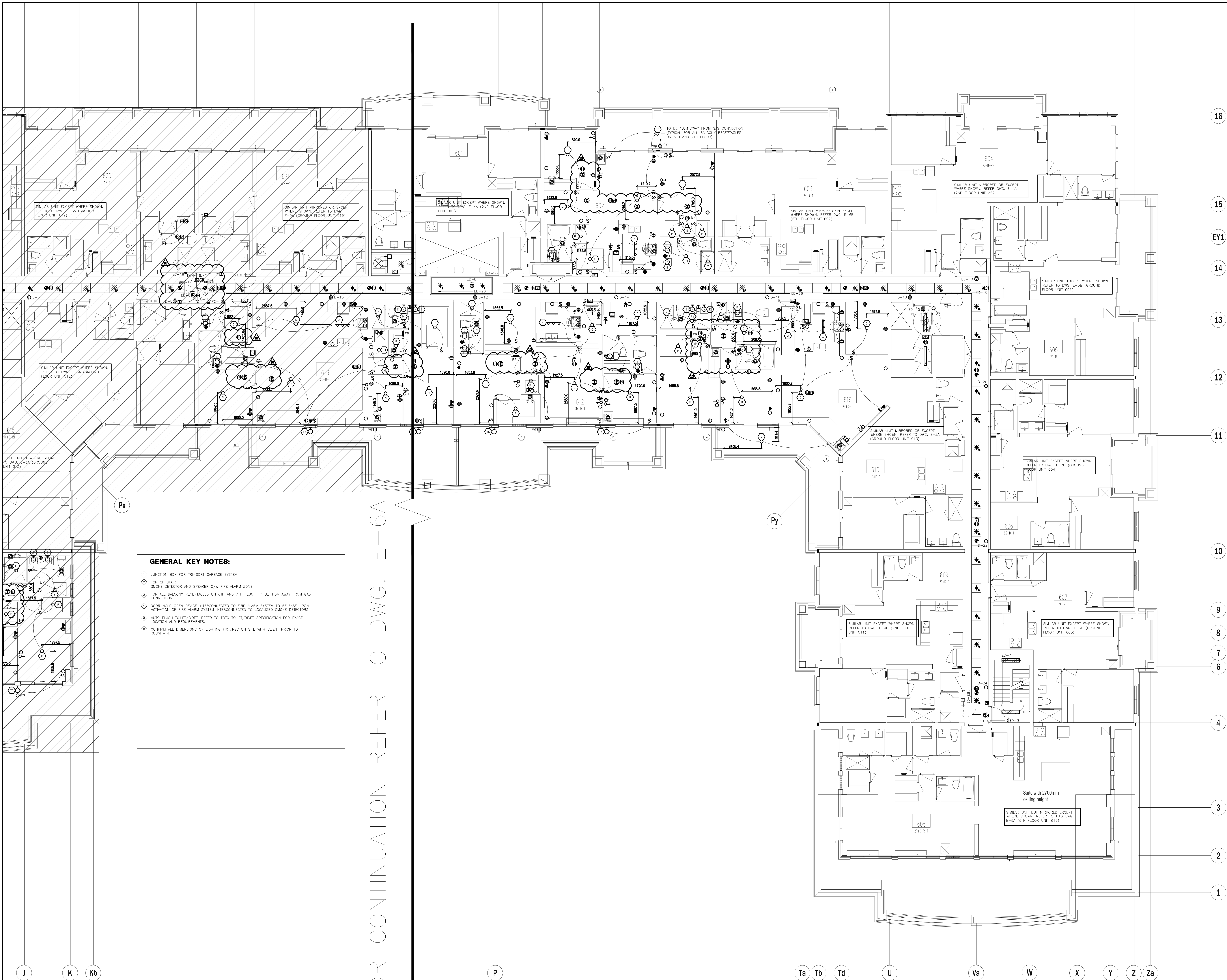
United Engineering Inc.
Mechanical Electrical Consulting Engineers
3345 Keele Street, Suite 105,
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Tel: (416) 398 1999, Fax: (416) 398 1933

TITLE
**6TH FLOOR PLAN - A
ELECTRICAL**

PROJECT
**PROPOSED RESIDENTIAL DEVELOPMENT
25 BAKER HILL BLVD.**

**ROYAL PINE HOMES
STOUFFVILLE, ONTARIO**

DRAWN CM	CHECKED MG	SCALE 1:75
DATE SEPT. 2015	PROJECT 14-016	DRAWING E-6A OF 12



GENERAL KEY NOTES:

- ◆ JUNCTION BOX FOR TRI-SORT GARBAGE SYSTEM
- ◆ TOP OF STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- ◆ FOR ALL BALCONY RECEPTACLES ON 6TH AND 7TH FLOOR TO BE 1.0M AWAY FROM GAS CONNECTION
- ◆ DOOR HOLD OPEN DEVICE INTERCONNECTED TO FIRE ALARM SYSTEM TO RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM INTERCONNECTED TO LOCALIZED SMOKE DETECTORS.
- ◆ AUTO FLUSH TOILET/BIDET REFER TO TOILET/BIDET SPECIFICATION FOR EXACT LOCATION AND REQUIREMENTS.
- ◆ CONFIRM ALL DIMENSIONS OF LIGHTING FIXTURES ON SITE WITH CLIENT PRIOR TO ROUGH-IN.

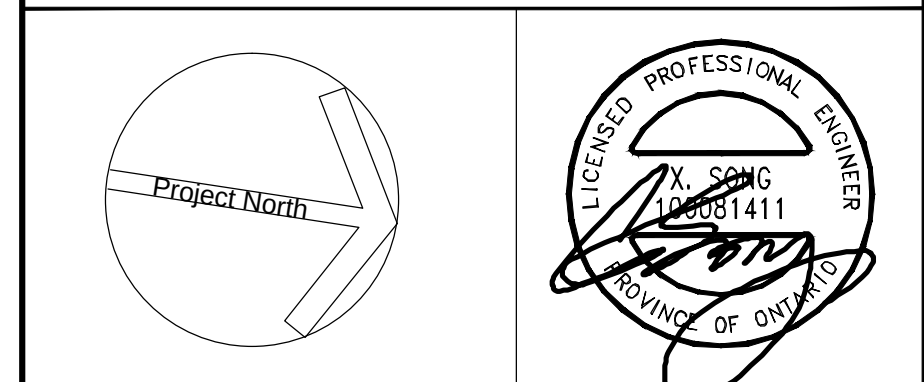
NO.	BY	DESCRIPTION	DATE
12	CM	REVISED AS PER SI E-14	2017-11-17
11	CM	REVISED AS PER SI E-12	2017-10-11
10	CM	REVISED AS PER SI E-10	2017-09-12
09	CM	REVISED AS PER SI E-9	2017-08-31
08	CM	REVISED AS PER SI E-4	2017-08-17
07	CM	REVISED AS PER SI E-3	2017-08-11
06	CM	ISSUED FOR CONSTRUCTION	2017-08-09
05	CM	PROGRESS FOR CONSTRUCTION	2017-07-18
04	CM	ISSUED FOR PERMIT	2016-12-28
03	CM	REVISED AS PER ADDENDUM E-1	2016-12-12
02	CM	REVISED AS PER ESA COMMENTS AND FOR CLARIFICATION	2016-05-19
01	CM	ISSUED FOR TENDER	2016-03-15

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Tel: (416) 398 1999, Fax: (416) 398 1933

TITLE	6TH FLOOR PLAN - B ELECTRICAL	
PROJECT	PROPOSED RESIDENTIAL DEVELOPMENT 25 BAKER HILL BLVD.	
	ROYAL PINE HOMES STOUFFVILLE, ONTARIO	
DRAWN	CM	CHECKED MG
DATE	SEPT. 2015	14-016
		SCALE 1:75
		DRAWING E-6B
		OF 12

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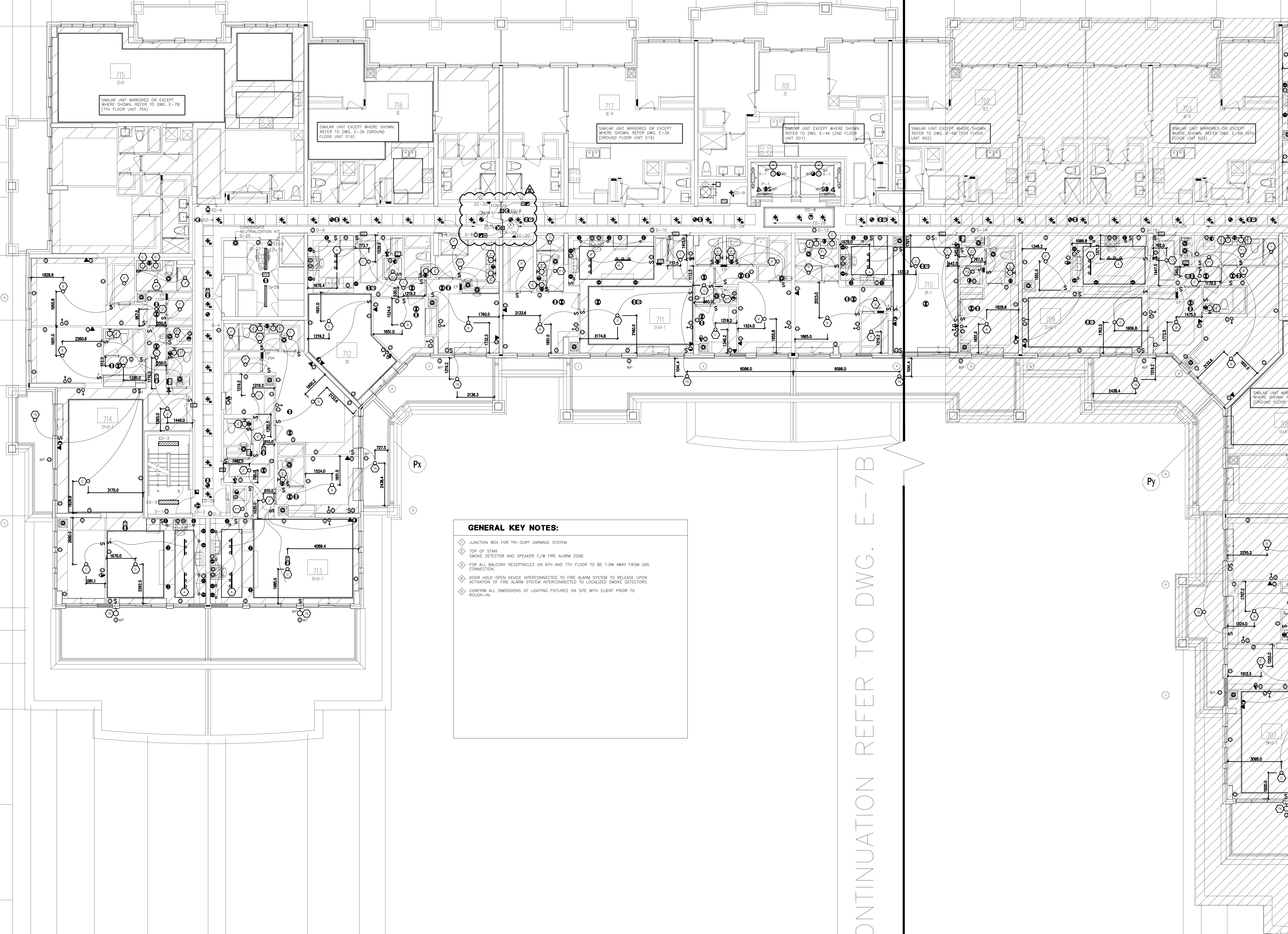
P

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Tb

Td

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**GENERAL KEY NOTES:**

- ◆ JUNCTION BOX FOR TRI-SORT GARBAGE SYSTEM
- ◆ TOP OF STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- ◆ FOR ALL BALCONY RECEPTACLES ON 6TH AND 7TH FLOOR TO BE 1.0M AWAY FROM GAS CONNECTION
- ◆ DOOR HOLD OPEN DEVICE INTERCONNECTED TO FIRE ALARM SYSTEM TO RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM INTERCONNECTED TO LOCALIZED SMOKE DETECTORS
- ◆ CONFIRM ALL DIMENSIONS OF LIGHTING FIXTURES ON SITE WITH CLIENT PRIOR TO ROUGH-IN

NO.	BY	DESCRIPTION	DATE
11	CM	REVISED AS PER SI E-14	2017-11-17
10	CM	REVISED AS PER SI E-10	2017-09-12
09	CM	REVISED AS PER SI E-4	2017-08-17
08	CM	REVISED AS PER SI E-3	2017-08-11
07	CM	ISSUED FOR CONSTRUCTION	2017-08-09
06	CM	PROGRESS FOR CONSTRUCTION	2017-07-18
05	CM	ISSUED FOR PERMIT	2016-12-28
04	CM	REVISED AS PER ADD E-1	2016-12-12
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

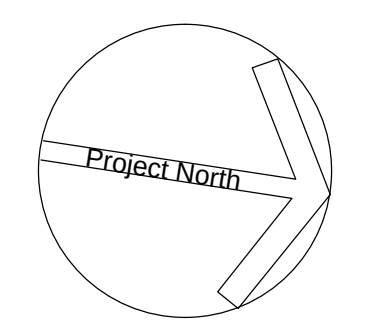
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TITLE
**7TH FLOOR PLAN - A
ELECTRICAL**

PROJECT
**PROPOSED RESIDENTIAL DEVELOPMENT
25 BAKER HILL BLVD.**

**ROYAL PINE HOMES
STOUFFVILLE, ONTARIO**

DRAWN	CHECKED	SCALE
CM	MG	1:75
DATE	PROJECT	DRAWING
SEPT. 2015	14-016	E-7A
		OF 12

09	CM	REVISED AS PER SI E-14	2017-11-17
08	CM	REVISED AS PER SI E-11	2017-10-04
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. Mechanical Electrical Consulting Engineers 3645 Keele Street, Suite 105, Toronto, Ontario, M3J 1M6 Tel: (416) 398 1999; Fax: (416) 398 1933			
TITLE			
POWER, COMMUNICATION, SECURITY AND FIRE ALARM RISER DIAGRAMS			
PROJECT			
PROPOSED RESIDENTIAL DEVELOPMENT 25 BAKER HILL BLVD. ROYAL PINE HOMES STOUFFVILLE, ONTARIO			
DRAWN	CM	CHECKED	MG
DATE		PROJECT	
SCALE		N.T.S.	
SEPT. 2015		14-016	E-10
			OF 12

PANEL IDENTIF:	B	SERVICE: 208V/120V, 3ø, 4ø MAIN CTT. BRK: 225 AMPS MOUNTING: SURFACE				NOTES:	
						LOCATION:	
LOAD DESCRIPTION		WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION
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. (P3)
		15A	19	20	15A		RECEPTABLE - MECH. RM. #1 (P1)
		15A	21	22	15A		REC. - SUB-ELECT. 1/COMM. (P1)
		15A	23	24	15A		RECEPTABLE - SUB-ELECT. 2 (P1)
		15A	25	26	15A		SPARE
		15A	27	28	15A		SPARE
		15A	29	30	15A		SPARE
SPACE		31	32				SPACE
		33	34				
		35	36				
		37	38				
		39	40				
		41	42				

PANEL IDENTIFY:	EB	SERVICE: MAIN CTT. BRK: - MANS: 225 AMPS MOUNTING: SURFACE	208V/120V, 3ø, 4ø	NOTES: ** LOCK ON BREAKER			
				LOCATION:			
LOAD DESCRIPTION		WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION
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 'F-9' SA
LIGHTING - STAIR C (P1)		15A	7	8	15A		LOWER STAIR PRESS FAN 'F-9' SB
LIGHTING - STAIR D (P1)		15A	9	10	15A		LOWER STAIR PRESS FAN 'F-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			
SPACE		15A	31	32			SPACE
		15A	33	34			
		15A	35	36			
		15A	37	38			
		15A	39	40			
		15A	41	42			

PANEL IDENTIF:	SUITE (TYPICAL)	SERVICE: MAIN CTT. BRK: 120/208V, 1ø, 3ø MANS: 125 AMPS MOUNTING: RECESSED	NOTES:				
		LOCATION:					
LOAD DESCRIPTION		WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION
LTC, RECEPT. & SMOKE ALARM	1000	15A	1	2	15A**	1000	KITCHEN GFI SPLIT RECEPTACLE **
LIGHTING & RECEPTABLES	1000	15A	3	4	2P		
LIGHTING & RECEPTABLES	1000	15A	5	6	15A	1000	SPLIT RECEPTACLE
LIGHTING & RECEPTABLES	1000	15A	7	8	2P		
LIGHTING & RECEPTABLES	1000	15A	9	10	50A	6000	RANGE (3 #0)
EXTERIOR REC. GFI AS REQUIRED	500	15A	11	12	2P		
GFI RECEPTACLE	1000	15A	13	14	15A	800	FRIDGE
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 RECEPTACLE **	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 RECEPTACLE	
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 IDENTIFY:	SUITE (TYPICAL)	SERVICE: MAIN CTT. BRK: 120/208V, 1ø, 3ø MANS: 100 AMPS MOUNTING: RECESSED	NOTES:					
			LOCATION:					
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION		
LTC, RECEPT. & SMOKE ALARM	1000	15A	1	2	15A**	1000	KITCHEN GFI SPLIT RECEPTACLE	**
LIGHTING & RECEPTABLES	1000	15A	3	4	2P			
LIGHTING & RECEPTABLES	1000	15A	5	6	15A	1000	SPLIT RECEPTACLE	
LIGHTING & RECEPTABLES	1000	15A	7	8	2P			
LIGHTING & RECEPTABLES	1000	15A	9	10	50A	6000	RANGE (3 #)	
EXTERIOR REC. GFI AS REQUIRED	500	15A	11	12	2P			
GFI RECEPTACLE	1000	15A	13	14	15A	800	FRIDGE	
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 RECEPTACLE **	**	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 RECEPTACLE		
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					

NOTES:

- * CONFIRM ELEC REQUIREMENTS WITH UNITS SHOP DWGS (FOR EACH DIFFERENT SUITE/UNIT)
- ** WHERE APPLICABLE AND REQUIRED, REFER TO UNITS LAYOUTS. ELEC PROVIDE SPARES
- PANELS CAN'T TRULY-NOT OR BE USED TO PROVIDE SPARES
- PANELS SHALL BE SIZABLE FOR THE USE OF DOUBLE BREAKERS WHICH SHALL BE USED SHOULD THE ACTUAL PROPORTION OF REQUIRED WATTS/AMPS EXCEED CODED CODE REQUIREMENTS
- PROVIDE FIRE STOPPING IN CONDUIT AT PANEL AND IN ELECTRICAL CLOSET IN ACCORDANCE TO CODE

PANEL IDENTIF:	C	SERVICE: 208V/120V, 3ø, 4W MAIN CTT. BRK: MANS: MOUNTING: SURFACE	NOTES:			
		LOCATION:				
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION
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 - CACF ROOM (1ST)
FL EQUIP REC - AMENITY (1ST)	15A	17	18	15A		CONCRETE FL REC - (1ST)
SPARE	15A	19	20	15A		CONCRETE FL REC - (1ST)
ELECTRICAL RM - AMENITY (1ST)	15A	21	22	15A		REC. - M OFFICE/MAIL (1ST)
EXT. BBO REC - AMENITY (1ST)	15A	23	24	15A		RECEPTABLES - M OFFICE (1ST)
EXT. BBO 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)
MOTORIZED BLINDS-LOBBY (1ST)	15A	45	46	15A		MICRO/HOOD FAN - AMENITY
SPARE	15A	47	48	15A		STOVE - AMENITY (1ST)
	15A	49	50	15A		SPARE
	15A	51	52	15A		
	15A	53	54	15A		
	15A	55	56	15A		
	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			

		15A	46	50	15A		SPARE
		15A	51	52	15A		
		15A	53	54	15A		
		15A	55	56	15A		
		15A	57	58	15A		
		15A	59	60	15A		
SPACE		61	62			SPACE	
		63	64				
		65	66				
		67	68				
		69	70				
		71	72				

PANEL IDENTIF:	EC	SERVICE: MAIN CTT. BRK: 208V/120V, 3ø, 4W MANS: 225 AMPS MOUNTING: SURFACE	NOTES: ** LOCK ON BREAKER LOCATION:				
LOAD DESCRIPTION		WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION
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		
LIGHTING - LOBBY (1ST FL)		15A	7	8	15A		DOOR HOLD OPEN DEVICE - GR
LIGHTING - LOBBY (1ST FL)		15A	9	10	15A		DOOR HOLD OPEN DEVICE - 2ND
LIGHTING - AMENITY (1ST FL)		15A	11	12	15A		DOOR HOLD OPEN DEVICE - 3RD

SPARE	15A	16	20	15A	DOOR HOLD OPEN DEVICE - 7TH
	15A	21			SPARE
	15A	23	24	15A	
	15A	25	26	15A	
	15A	27	28	15A	
	15A	29	30	15A	
	15A	31	32		SPACE
	15A	33	34		
	15A	35	36		
	15A	37	38		
	15A	39	40		
	15A	41	42		

PANEL IDENTIF:	ECN	SERVICE: 208Y/120V, 3ø, 4ø MAIN CTT. BRK: - MANS: 225 AMPS MOUNTING: SURFACE	NOTES:				
			LOCATION:				
LOAD DESCRIPTION		WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION
CO 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		
TEL./TV RECEPTABLES		15A	7	8	15A	AUTO DOOR OPENER (2ND)	
TEL./TV RECEPTABLES		15A	9	10	15A	AUTO DOOR OPENER (2ND)	
ENTERPHONE PANEL-MAN ENTR.		15A	11	12	15A	AUTO DOOR OPENER (3RD)	

SPACE				31	32		SPACE		
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				

PANEL IDENTIF:	D	SERVICE: MAIN CCT. BRK: 208V/120V, 3ø, 4W MANS: 225 AMPS MOUNTING: SURFACE	NOTES:					
LOAD DESCRIPTION		WATTS	BRK	CIRCUITS	BRK	WATTS	LOCATION:	LOAD DESCRIPTION
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 GFI REC. - 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
SPACE		31	32	32	15A			
		33	34	34	15A			
		35	36	36	15A			
		37	38	38	15A			
		39	40	40	15A			
		41	42	42	15A			