



UNITED ENGINEERING INC
Mechanical and Electrical Consulting Engineers

3645 Keele St. #105
Toronto, ON, M3J 1M6
Email: info@u-eng.ca
T: (416) 398-1999
F: (416) 398-1933

SITE INSTRUCTION

PROJECT: HAMPTON MANOR
25 BAKER HILL BLVD
STOUFFVILLE, ONTARIO

PROJECT NO: 14-016

CONTRACT: Electrical

DATE October 04, 2016

SITE INSTRUCTION: E-2

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-4A & E-4B (2nd Floor) Issued

- 1.1 Clarify: Top of stair smoke detector and speaker c/w fire alarm zone to be on 2nd floor.

2.0 Reference Drawing E-5A & E-5B (3rd-5th Floor) Issued

- 2.1 Revise: Top of stair smoke detector and speaker c/w fire alarm zone to be on the 5th floor.

3.0 Reference Drawing E-7A & E-7B (7th Floor) Issued

- 3.1 Delete: Top of stair smoke detector and speaker c/w fire alarm zone.

4.0 Reference Drawing E-10 (Riser Diagrams) Issued

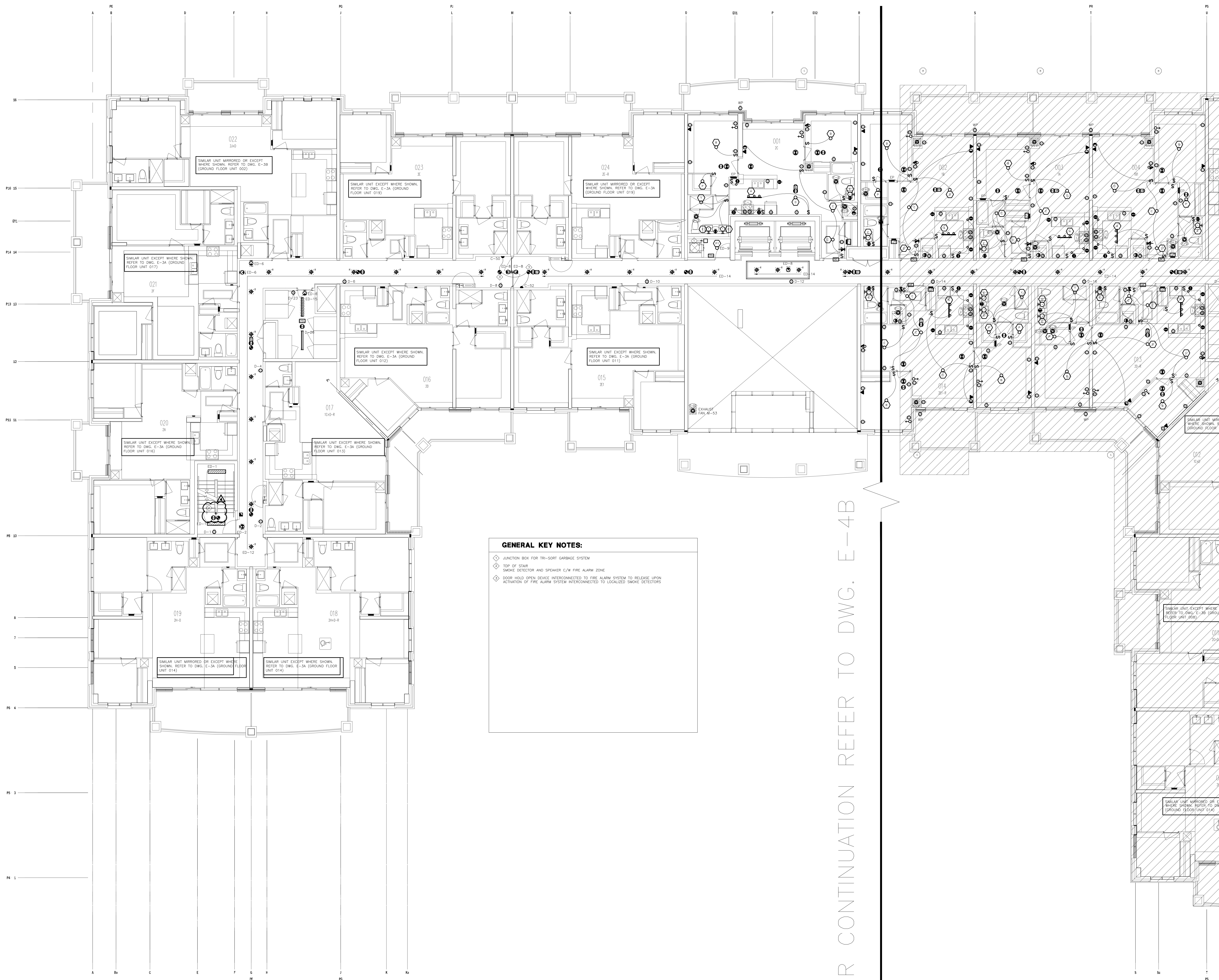
- 4.1 Revise: Location of top of stair smoke detectors and speakers c/w fire alarm zone.

Site Instruction #E-2
25 Baker Hill Blvd.

PREPARED BY: 
Chula Meksavanh
Electrical Department

ISSUED TO ROYAL PINE HOMES,
FRANK CAROGIOIELLO, frank@royalpinehomes.com;
LOUIE PANTALEO, Louie@royalpinehomes.com;
KELLY WATSON, Kelly@royalpinehomes.com
FOR DISTRIBUTION TO ALL AFFECTED PARTIES.

cc. GRAZIANI + CORAZZA ARCH. INC.,
GINO COLANGELO, GColangelo@gc-architects.com
DINEEN CONSTRUCTION CORP., RIC WIGHT, rwight@dineen.com



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

| NO. | BY | DESCRIPTION | DATE |
|-----|----|---|------------|
| 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 |

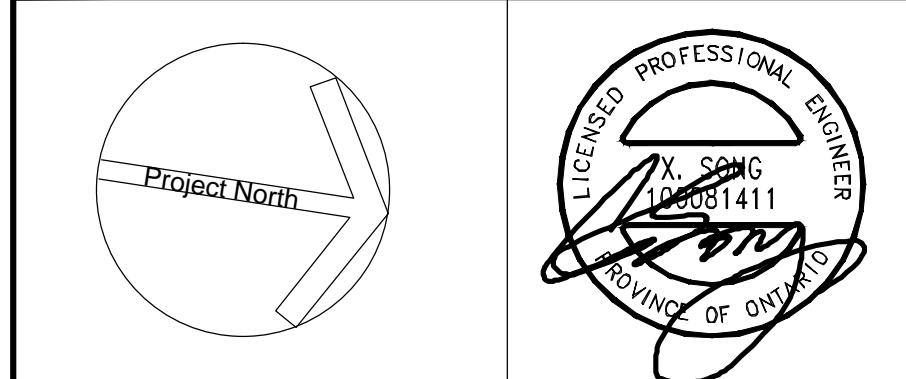
REVISIONS

This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding.

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

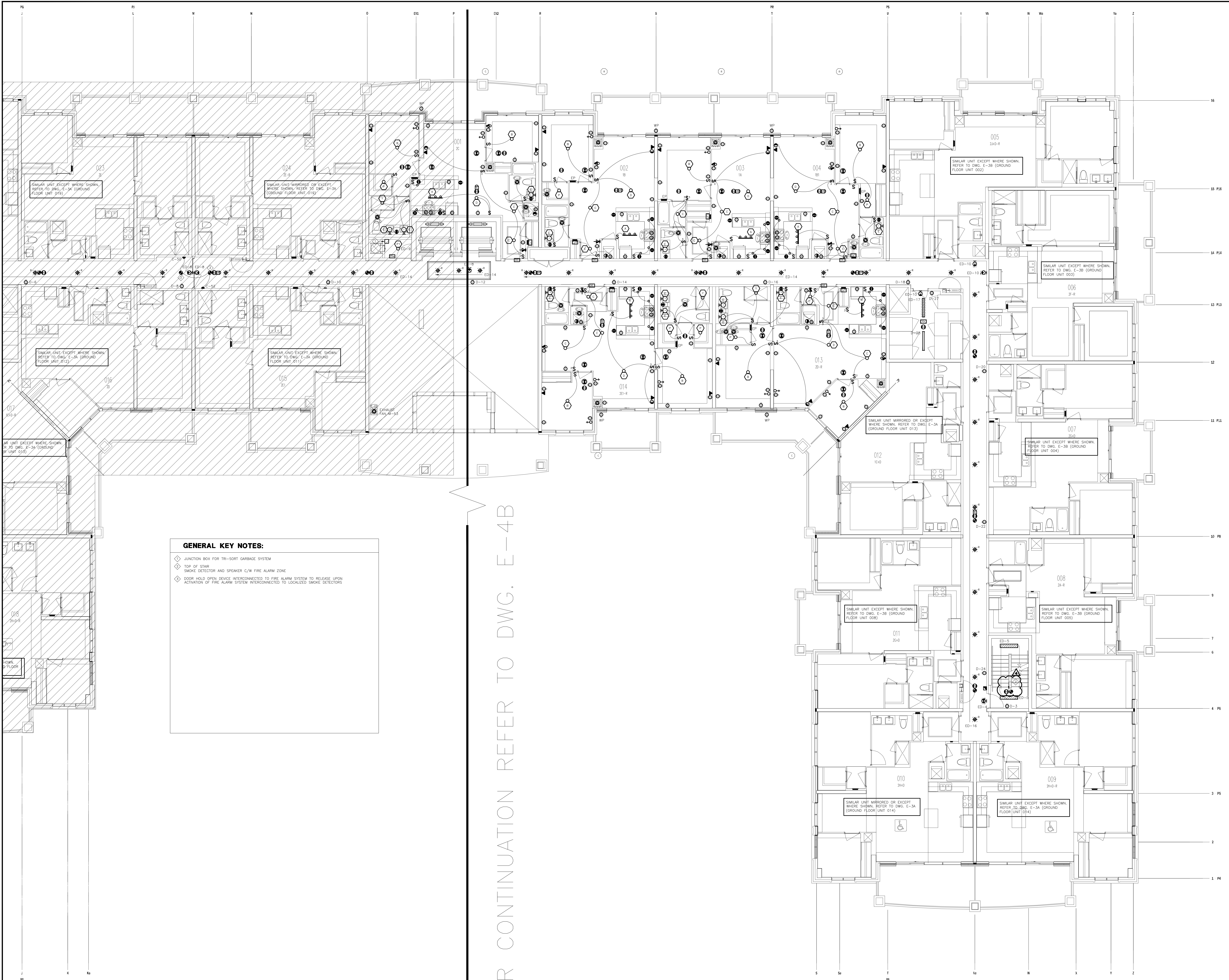
Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction.

This drawing is not to be scaled, all symbols are graphic representations only.



United Engineering Inc.
Mechanical Electrical Consulting Engineers
3345 Keele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1999, Fax: (416) 398 1933

| | | |
|--|--------------------------|------------------------|
| 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 |



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

FOR CONTINUATION REFER TO DWG. E-4B

| NO. | BY | DESCRIPTION | DATE |
|-----|----|---|------------|
| 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 |

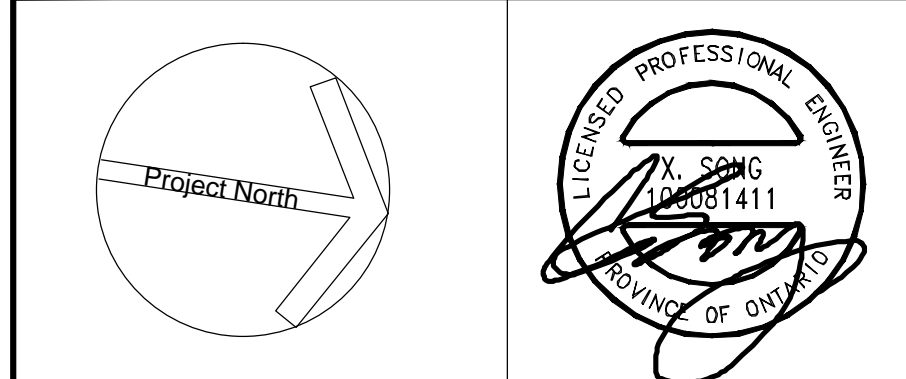
REVISIONS

This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding.

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

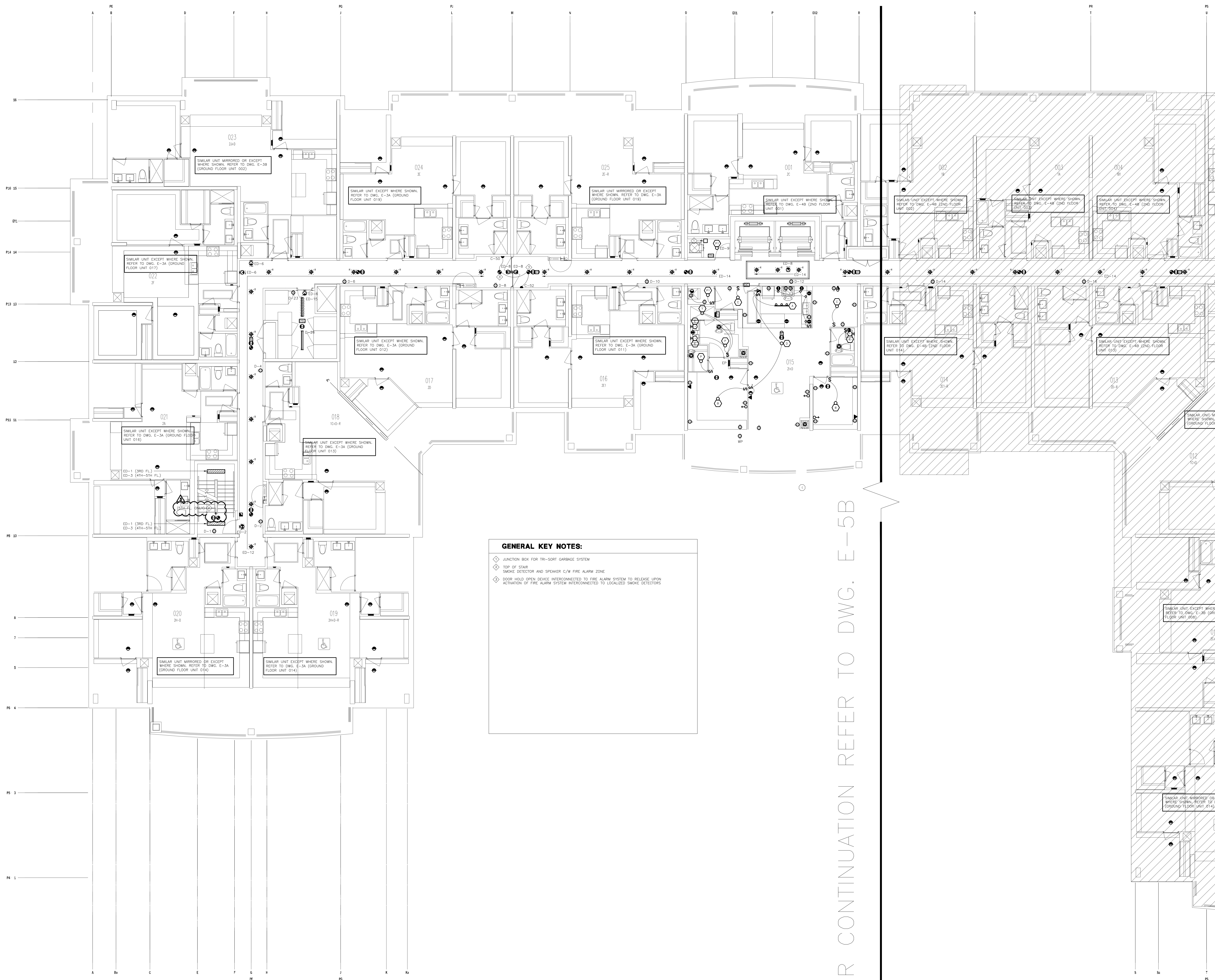
Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction.

This drawing is not to be scaled, all symbols are graphic representations only.



United Engineering Inc.
Mechanical Electrical Consulting Engineers
3345 Reels Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1999, Fax: (416) 398 1933

| | | |
|--|--------------------------|---|
| TITLE 2ND FLOOR PLAN - B 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-4B 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

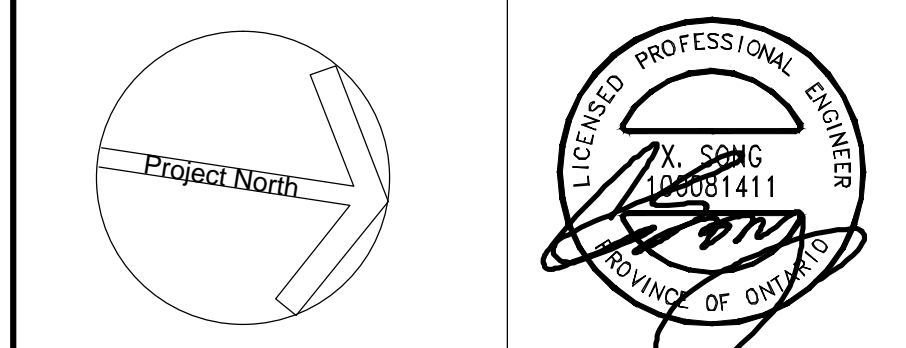
| REVISIONS | | | |
|-----------|----|---|------------|
| NO. | BY | DESCRIPTION | DATE |
| 03 | CM | REVISED AS PER SI E-2 | 2016-10-04 |
| 02 | CM | REVISED AS PER ESA COMMENTS AND FOR CLARIFICATION | 2016-05-19 |
| 01 | CM | ISSUED FOR TENDER | 2016-03-15 |

This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding.

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

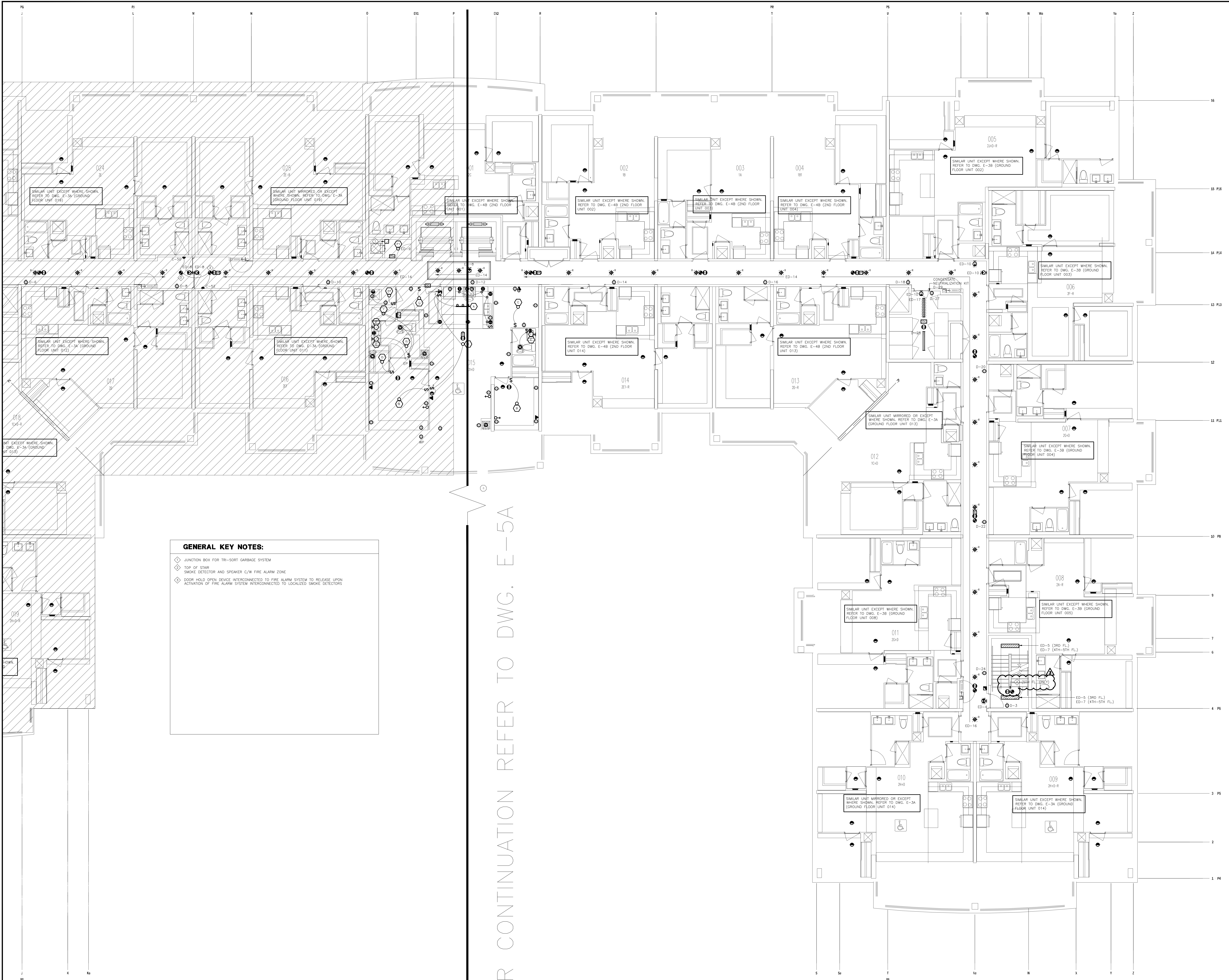
Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction.

This drawing is not to be scaled, all symbols are graphic representations only.



United Engineering Inc.
Mechanical Electrical Consulting Engineers
3345 Keele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1999, Fax: (416) 398 1933

| | | |
|--|--------------------------|---|
| TITLE 3RD-5TH FLOOR PLANS - 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-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

| NO. | BY | DESCRIPTION | DATE |
|-----|----|---|------------|
| 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 |

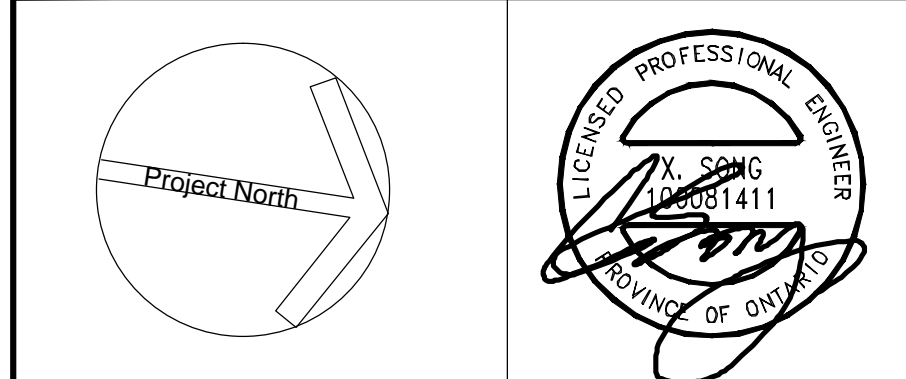
REVISIONS

This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding.

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

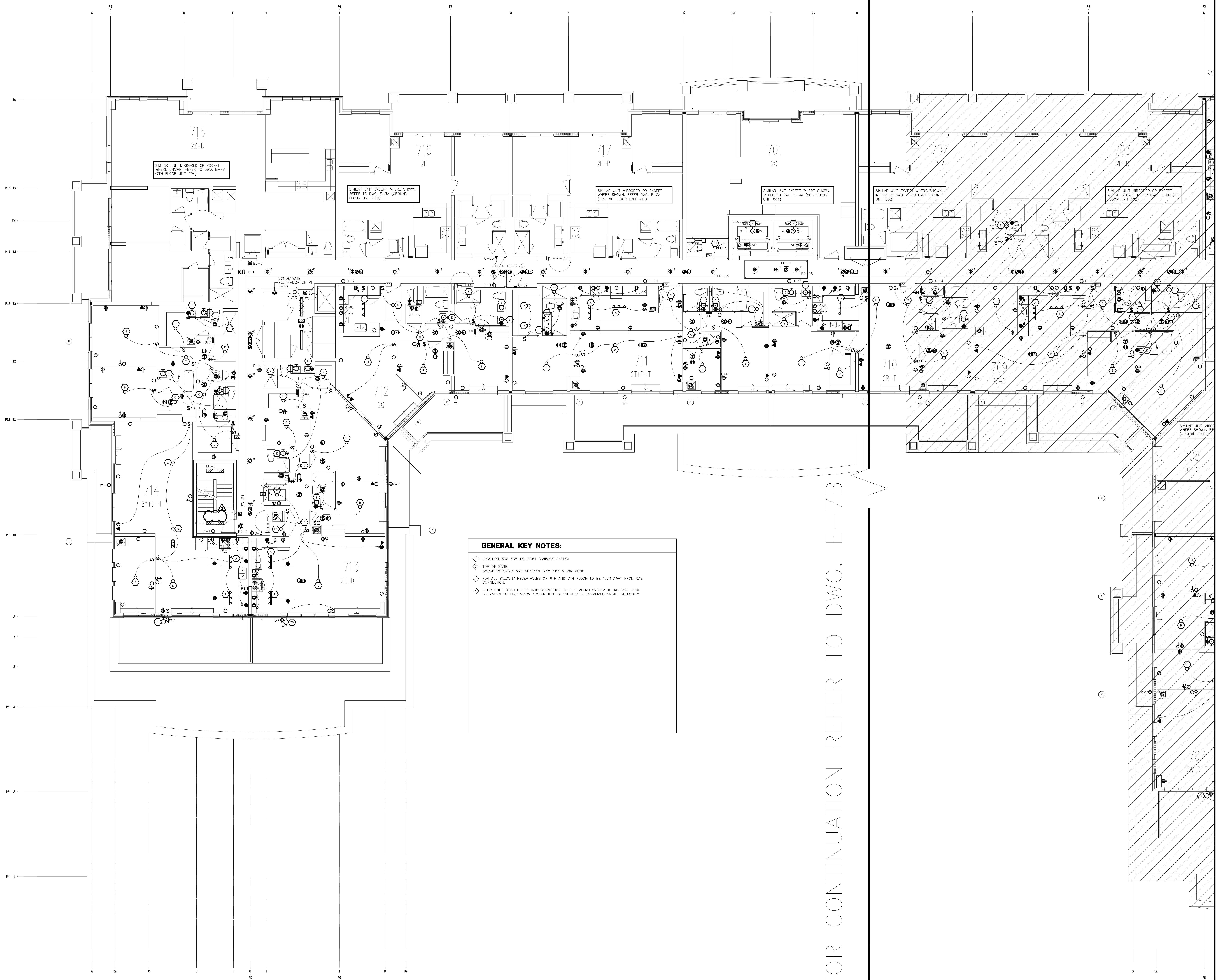
Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction.

This drawing is not to be scaled, all symbols are graphic representations only.



United Engineering Inc.
Mechanical Electrical Consulting Engineers
3345 Reele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1999, Fax: (416) 398 1933

| | | | | | |
|---------|--|------------|---|--|--------|
| TITLE | | | 3RD-5TH FLOOR PLANS - B 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-5B |
| | | | OF | | 12 |



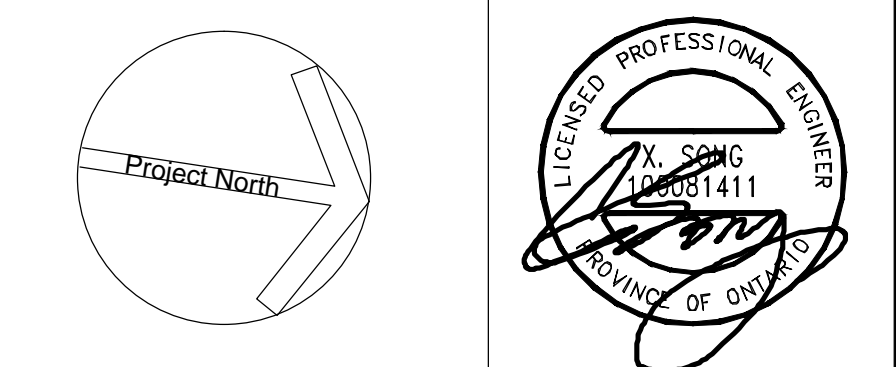
| REVISIONS | | |
|-----------|--|------------|
| NO. | DESCRIPTION | DATE |
| B2 | CM REVISED AS PER ESA COMMENTS AND FOR CLARIFICATION | 2016-05-19 |
| B1 | CM ISSUED FOR TENDER | 2016-03-15 |

This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding.

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.



United Engineering Inc.
Mechanical Electrical Consulting Engineers
3345 Reele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1999, Fax: (416) 398 1933

| | | |
|--|--------------------------|---|
| TITLE 7TH 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-7A OF 12 |

| | |
|----|---|
| 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 2ND LEVEL FLOW ALARM (NORTH PART) |
| 52 | SPRINKLER SYSTEM ON 3RD LEVEL FLOW ALARM (NORTH PART) |
| 53 | SPRINKLER SYSTEM ON 4TH LEVEL FLOW ALARM (NORTH PART) |
| 54 | SPRINKLER SYSTEM ON 5TH LEVEL FLOW ALARM (NORTH PART) |
| 55 | SPRINKLER SYSTEM ON 6TH LEVEL FLOW ALARM (NORTH PART) |
| 56 | SPRINKLER SYSTEM ON 7TH LEVEL FLOW ALARM (NORTH PART) |
| 58 | SPRINKLER SYSTEM ON MECHANICAL PENDHOUSE |
| 59 | SPARE |
| 60 | SPARE |
| 61 | SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM |
| 62 | SPARE 25% |

| TROUBLE ZONES | |
|---------------|---|
| CC# | DESCRIPTION |
| 1 | MAIN INCOMING SPRINKLER LINE LOSS OF PRESSURE - 1 |
| 2 | MAIN INCOMING SPRINKLER LINE LOSS OF PRESSURE - 2 |
| 3 | FIRE ALARM SYSTEM EMERGENCY DISCONNECT "OFF" |
| 4 | FIRE PUMP FLOW INDICATOR |
| 5 | FIRE PUMP-LOSS OF POWER |
| 6 | FIRE PUMP RUNNING |
| 7 | FIRE PUMP FLOW REVERSE INDICATOR |
| 8 | GEN-SET-COMMON TROUBLE |
| 9 | GENERATOR RUNNING "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 LINE TRACING POWER LOSS |
| 14 | COMPRESSOR LOSS OF AIR |
| 15 | COMPRESSOR LOSS OF POWER |
| 16-17 | DATA SPRINKLER LOSS OF AIR PRESSURE IN P1 PARKING LEVEL |
| 18 | JOCKEY PUMP LOSS OF POWER |
| 19 | TRANSFER SWITCH #1B NOT IN "AUTO" |
| 20 | TRANSFER SWITCH #2B NOT IN "AUTO" |
| 21 | TRANSFER SWITCH #3B NOT IN "AUTO" |
| 22 | TRANSFER SWITCH #4B NOT IN "AUTO" |
| 23 | EMERGENCY DISCONNECT #1D "OFF" |
| 24 | EMERGENCY DISCONNECT #2D "OFF" |
| 25 | EMERGENCY DISCONNECT #3D "OFF" |
| 26 | EMERGENCY DISCONNECT #4D "OFF" |
| 27 | LOW TEMP. T-STAT IN MECHANICAL ROOM - P1 LEVEL |
| 28 | HIGH CO2 DETECTION IN MECHANICAL PENDHOUSE |
| 29 | HIGH CO2 DETECTION IN PARKING GARAGE |
| 30 | PUMP TRACING PUMP LOSS OF POWER |
| | SPARE 25% |