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## **ADDENDUM**

**PROJECT:** Forestside Estates  
Attmar & Palleschi Drive  
Brampton, Ontario

**PROJECT NO.:** 18-017

**CONTRACT:** Electrical

**DATE:** JAN 19, 2021

**ADDENDUM NO.** E-3

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**CONTRACTORS ARE TO REVIEW ALL CHANGES, DELETIONS AND ADDITIONS TO THE WORK LISTED IN THIS DOCUMENT AND THE REVISED DRAWINGS AND INCORPORATE THESE ITEMS IN THE TENDER PRICE.**

**PURPOSE:** To suit latest Arch Addendum, Mech Addendum M-5 and clarification.

**1.0 Reference Drawings E-2A (Parking Level Part A - Electrical) Issued**  
**E-2B (Parking Level Part B - Electrical)**  
**E-2C (Parking Level Electrical Room Layout)**

1.1 Revise: Electrical layout to suit latest arch drawings as shown.

**2.0 Reference Drawings E-3 (Ground Floor - Electrical) Issued**  
**E-4 (2<sup>nd</sup> Floor- Electrical)**  
**E-5 (3<sup>rd</sup> Floor- Electrical)**  
**E-6 (4<sup>th</sup> Floor- Electrical)**  
**E-7 (Roof- Electrical)**

2.1 Revise: Unit type for building C block 6 to suit latest arch drawings as shown

2.2 Revise: Unit numbering to suit latest arch drawings as shown

2.3 Relocate: Condensing units on the roof to suit mechanical drawings

**3.0 Reference Drawings E-8 (Typical Suite Layout - Electrical) Issued**

3.1 Revise: Typical suite layout 2A3 name as 2A4 (second floor) as shown

3.2 Add: Typical suite layouts 2A1 & 2A3 as shown

Project #17-009  
91 Broadway Avenue

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**4.0 Reference Drawings E-10 (Risers - Electrical) Issued**

4.1 Revise: Riser diagram as shown.

**5.0 Reference Drawings E-11 (Fire Alarm System - Electrical) Issued**

5.1 Revise: Fire alarm schedule as shown.

**6.0 Reference Drawings E-12 (Single Line Diagram - Electrical) Issued**

6.1 Revise: Single line diagram as shown.

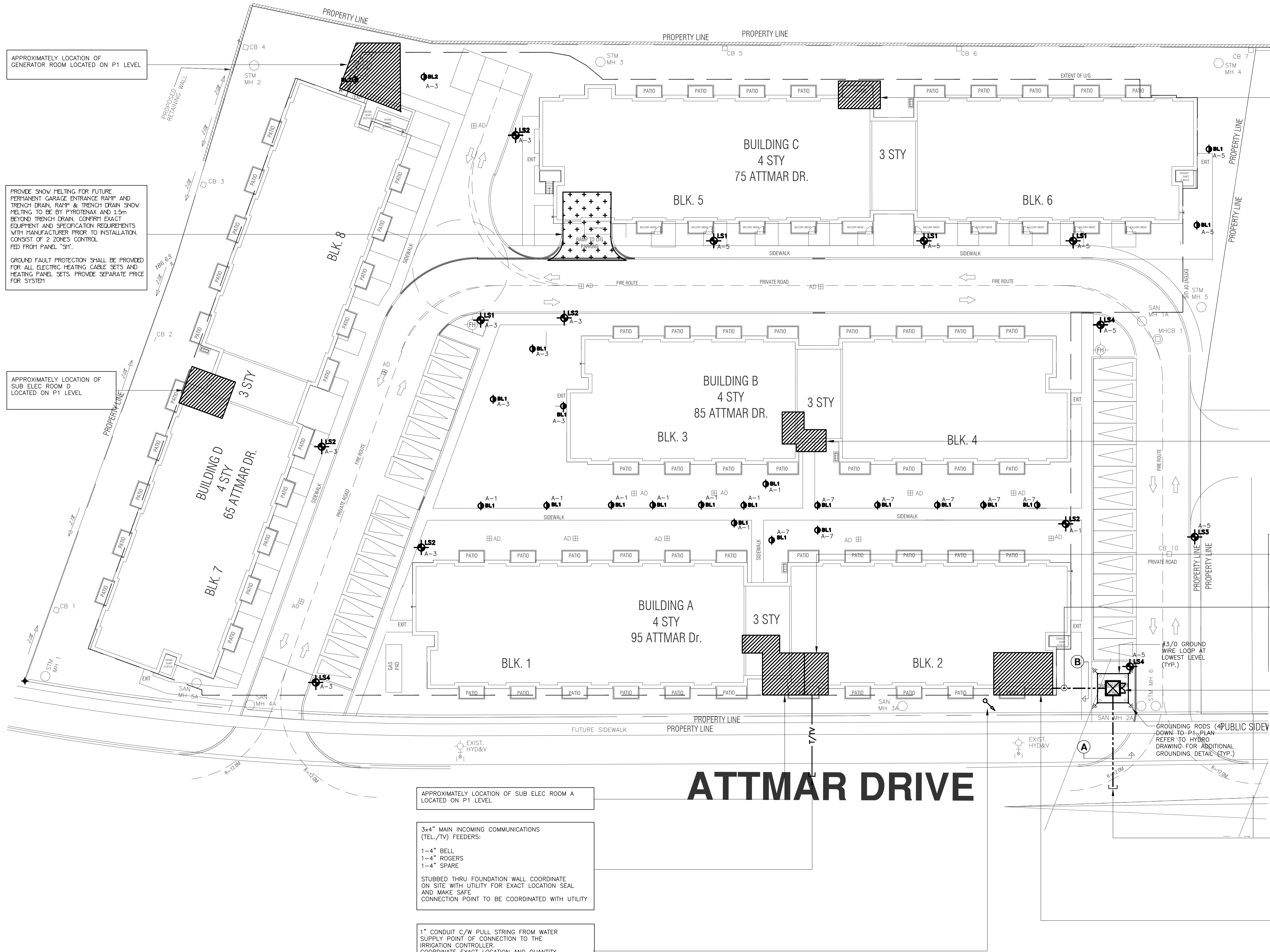
**7.0 Reference Drawings E-13 (Panel Schedule - Electrical) Issued**

7.1 Revise: Panel schedule as shown.

**Note: Drawings for background change and unit numbering revise no bubble edition.**

PREPARED BY:       *Susan Pan*        
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Electrical Department

ISSUED TO ROYAL PINE HOMES,  
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FOR DISTRIBUTION TO ALL AFFECTED PARTIES.



| LEGEND                                                                                                                                                    |                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| ○                                                                                                                                                         | INCANDESCENT LIGHTING FIXTURE CEILING AND WALL MOUNTED RESPECTIVELY                                                                  |
| ⊙                                                                                                                                                         | AS ABOVE ONLY CONNECTED TO EMERGENCY SUPPLY                                                                                          |
| □                                                                                                                                                         | FLUORESCENT LIGHTING FIXTURE CEILING MOUNTED                                                                                         |
| ⊞                                                                                                                                                         | AS ABOVE ONLY CONNECTED TO EMERGENCY SUPPLY                                                                                          |
| —                                                                                                                                                         | EXISTING LIGHTING FIXTURE TO BE RELOCATED                                                                                            |
| —                                                                                                                                                         | EXISTING LIGHTING FIXTURE TO BE REMOVED                                                                                              |
| —                                                                                                                                                         | TRACK LIGHTING TYPE PER SCHEDULE                                                                                                     |
| —                                                                                                                                                         | FLUORESCENT STRIP LIGHT                                                                                                              |
| ⊙                                                                                                                                                         | CEILING OR WALL MTD ILLUMINATED EXIT SIGN, SHOULD AREA INDICATES ILLUMINATED FACE, GREEN RUNNING MAN PICTOGRAM COMPLY WITH 2001 ZOTI |
| ⊙                                                                                                                                                         | EXTERIOR LIGHTING STANDARD AS PER SCHEDULE                                                                                           |
| ⊙                                                                                                                                                         | EXTERIOR LIGHTING STANDARD AS PER SCHEDULE                                                                                           |
| ⊙                                                                                                                                                         | 120V U-GROUND DUPLEX RECEPTACLE                                                                                                      |
| ⊙                                                                                                                                                         | 120V U-GROUND QUAD RECEPTACLE                                                                                                        |
| ⊙                                                                                                                                                         | 120V U-GROUND DUPLEX GFI RECEPTACLE                                                                                                  |
| ⊙                                                                                                                                                         | 120V 20A T-SLOT RECEPTACLE                                                                                                           |
| ⊙                                                                                                                                                         | 120V U-GROUND DUPLEX RECEPTACLE WITH ONE HALF SWITCH CONTROLLED                                                                      |
| ⊙                                                                                                                                                         | 250V 14 AWG SOA RECEPTACLE, CONNECT WITH 3/8" BX OR 3/8" THW-19MM CONDUIT                                                            |
| ⊙                                                                                                                                                         | 250V 14 AWG SOA RECEPTACLE, CONNECT WITH 3/8" BX OR 3/8" THW-19MM CONDUIT                                                            |
| ⊙                                                                                                                                                         | SINGLE RECEPTACLE, VOLTAGE AND RATING AS SHOWN ON DRAWING                                                                            |
| ⊙                                                                                                                                                         | WALL MOUNTED MOVABLE PARTITION FEED POINT                                                                                            |
| ⊙                                                                                                                                                         | FLOOR MOUNTED MOVABLE PARTITION FEED POINT                                                                                           |
| ⊙                                                                                                                                                         | ANY OF THE ABOVE DEVICES MOUNTED ABOVE COUNTER TOP OR AS INSTRUCTED ON SITE                                                          |
| ⊙                                                                                                                                                         | DUPLEX RECEPTACLE FLOOR MOUNTED                                                                                                      |
| ⊙                                                                                                                                                         | DUPLEX RECEPTACLE CEILING MOUNTED                                                                                                    |
| ⊙                                                                                                                                                         | DUPLEX RECEPTACLE MOUNTED IN MILLWORK                                                                                                |
| ⊙                                                                                                                                                         | DATA OUTLET FLOOR MOUNTED                                                                                                            |
| ⊙                                                                                                                                                         | VOICE/DATA OUTLETS MOUNTED IN MILLWORK                                                                                               |
| ⊙                                                                                                                                                         | PAC-POLE                                                                                                                             |
| ⊙                                                                                                                                                         | CEILING OR WALL MOUNTED JUNCTION BOX                                                                                                 |
| ⊙                                                                                                                                                         | PHOTO ELECTRIC CELL                                                                                                                  |
| ⊙                                                                                                                                                         | SINGLE POLE, SINGLE THROW TOGGLE SWITCH WITH ONE, TWO AND THREE GANG COVERS/PLATES                                                   |
| ⊙                                                                                                                                                         | THREE-WAY SWITCH                                                                                                                     |
| ⊙                                                                                                                                                         | FOUR-WAY SWITCH                                                                                                                      |
| ⊙                                                                                                                                                         | WAXING TIME SWITCH (NO 110MM 2W (PARAGON 7F51-0, 30 MINUTES), EXCEPT AS NOTED                                                        |
| ⊙                                                                                                                                                         | SWITCH WITH PILOT LIGHT                                                                                                              |
| ⊙                                                                                                                                                         | DIMMER SWITCH, 1000W RATED, PROVIDE DIMMING BALLAST FOR FLUORESCENT                                                                  |
| ⊙                                                                                                                                                         | LOW VOLTAGE SWITCH                                                                                                                   |
| ⊙                                                                                                                                                         | 24V SWITCH                                                                                                                           |
| ⊙                                                                                                                                                         | FAN SWITCH                                                                                                                           |
| ⊙                                                                                                                                                         | KEY SWITCH                                                                                                                           |
| ⊙                                                                                                                                                         | MASTER OPERATION SWITCH                                                                                                              |
| ⊙                                                                                                                                                         | OCCUPANCY SENSORS FOR LIGHTING CONTROL                                                                                               |
| ⊙                                                                                                                                                         | CEILING MOUNTED OCCUPANCY SENSORS                                                                                                    |
| ⊙                                                                                                                                                         | WALL MOUNTED OCCUPANCY SENSORS                                                                                                       |
| ⊙                                                                                                                                                         | PHOTOCELL SENSOR                                                                                                                     |
| ⊙                                                                                                                                                         | DIRECT CONNECTION OUTLET AS NOTED                                                                                                    |
| ⊙                                                                                                                                                         | SINGLE PHASE MOTOR, HP (KW) AS NOTED                                                                                                 |
| ⊙                                                                                                                                                         | THREE PHASE MOTOR, HP (KW) AS NOTED                                                                                                  |
| ⊙                                                                                                                                                         | MANUAL MOTOR STARTER                                                                                                                 |
| ⊙                                                                                                                                                         | MAGNETIC MOTOR STARTER                                                                                                               |
| ⊙                                                                                                                                                         | CONTACTOR OR STARTER                                                                                                                 |
| ⊙                                                                                                                                                         | CONTACTOR OR STARTER                                                                                                                 |
| ⊙                                                                                                                                                         | DISCONNECT SWITCH, SIZE AS NOTED                                                                                                     |
| ⊙                                                                                                                                                         | THERMOSTAT SUPPLIED BY OTHERS, INSTALLED BY DIV. 16                                                                                  |
| ⊙                                                                                                                                                         | LOW LIMIT THERMOSTAT C/W FIRE ALARM TROUBLE ZONE, PROVIDED BY DIV. 16                                                                |
| ⊙                                                                                                                                                         | HUMIDISTAT SUPPLIED BY OTHERS, INSTALLED BY DIV. 16                                                                                  |
| ⊙                                                                                                                                                         | LOW VOLTAGE VALVE AND TRANSFORMER SUPPLIED BY OTHERS INSTALLED BY DIV. 16                                                            |
| ⊙                                                                                                                                                         | FAN SPEED CONTROLLER SUPPLIED BY OTHERS INSTALLED BY DIV. 16                                                                         |
| ⊙                                                                                                                                                         | PIPE TRACING HEATING CABLE                                                                                                           |
| ⊙                                                                                                                                                         | DRUM DRIP OR INSPECTOR TEST ELECTRICALLY TRACED                                                                                      |
| ⊙                                                                                                                                                         | ELECTRIC HEATER PER PER SCHEDULE EL, HEATER IDENTIFIER (A= TYPE, 1.0-KW)                                                             |
| ⊙                                                                                                                                                         | TELEPHONE ZONE CONDUIT                                                                                                               |
| ⊙                                                                                                                                                         | WALL MOUNTED TELEPHONE OUTLET                                                                                                        |
| ⊙                                                                                                                                                         | FLOOR MOUNTED TV/TELEPHONE OUTLETS                                                                                                   |
| ⊙                                                                                                                                                         | WALL MOUNTED LOW TENSION OUTLET                                                                                                      |
| ⊙                                                                                                                                                         | WALL MOUNTED MICROPHONE OUTLET                                                                                                       |
| ⊙                                                                                                                                                         | WALL MOUNTED INTERCOM OUTLET                                                                                                         |
| ⊙                                                                                                                                                         | WALL MOUNTED EMERGENCY PULL SWITCH/INTERCOM                                                                                          |
| ⊙                                                                                                                                                         | FLOOR MOUNTED LOW TENSION OUTLET                                                                                                     |
| ⊙                                                                                                                                                         | IN SUITE TELEPHONE/TV CORD/DISTRIBUTION PANEL, 120V OUTLET INSIDE THE PANEL TO BE PER FLOOR SUITE PANEL                              |
| ⊙                                                                                                                                                         | WALL MOUNTED TELEVISION OUTLET                                                                                                       |
| ⊙                                                                                                                                                         | TV/TELEPHONE IN SEPARATE BOXES AND FACEPLATES (MULTI PORT)                                                                           |
| ⊙                                                                                                                                                         | WALL MOUNTED IN SUITE SECURITY PANEL                                                                                                 |
| ⊙                                                                                                                                                         | ENTERPHONE OR SECURITY OPERATED MAGLOCK                                                                                              |
| ⊙                                                                                                                                                         | CARD READER                                                                                                                          |
| ⊙                                                                                                                                                         | SECURITY DOOR MONITOR SWITCH                                                                                                         |
| ⊙                                                                                                                                                         | SECURITY SYSTEM MOTION DETECTOR                                                                                                      |
| ⊙                                                                                                                                                         | SECURITY SYSTEM DOOR CONTACT                                                                                                         |
| ⊙                                                                                                                                                         | SECURITY INTERCOM OUTLET                                                                                                             |
| ⊙                                                                                                                                                         | PANIC ALARM RECEIVER C/W INTERCOM                                                                                                    |
| ⊙                                                                                                                                                         | CCTV CAMERA                                                                                                                          |
| ⊙                                                                                                                                                         | SIGNAL BELL                                                                                                                          |
| ⊙                                                                                                                                                         | SIGNAL BUZZER                                                                                                                        |
| ⊙                                                                                                                                                         | SIGNAL PUSH BUTTON                                                                                                                   |
| ⊙                                                                                                                                                         | POWER CONNECTION FOR AUTOMATIC DOOR OPERATOR                                                                                         |
| ⊙                                                                                                                                                         | DOOR STRIKE CONTROLLED BY INTERCOM OR TELEPHONE                                                                                      |
| ⊙                                                                                                                                                         | SIGNAL TRANSFORMER                                                                                                                   |
| ⊙                                                                                                                                                         | CARBON MONOXIDE DETECTOR                                                                                                             |
| ⊙                                                                                                                                                         | CEILING OR WALL MOUNTED P.A. SPEAKER BY OTHERS, OBTAIN BACKSHEET AND INSTALL                                                         |
| ⊙                                                                                                                                                         | SPEAKER VOLUME CONTROL                                                                                                               |
| ⊙                                                                                                                                                         | AUDIO VISUAL KEYPAD                                                                                                                  |
| ⊙                                                                                                                                                         | WALL MOUNTED CLOCK                                                                                                                   |
| ⊙                                                                                                                                                         | MASTER CLOCK                                                                                                                         |
| ⊙                                                                                                                                                         | EMERGENCY LIGHTING BATTERY UNIT                                                                                                      |
| ⊙                                                                                                                                                         | 1 AND/OR 2 HEADS EMERGENCY LIGHTING REMOTE UNIT                                                                                      |
| ⊙                                                                                                                                                         | MANUALLY OPERATED FIRE ALARM STATION                                                                                                 |
| ⊙                                                                                                                                                         | FIRE ALARM BELL                                                                                                                      |
| ⊙                                                                                                                                                         | SURFACE MOUNTED FIRE ALARM SPEAKER IN GARAGE                                                                                         |
| ⊙                                                                                                                                                         | FIRE ALARM HORN WALL SURFACE MOUNTED IN GARAGE                                                                                       |
| ⊙                                                                                                                                                         | FIRE ALARM MINI HORN FLUSH MOUNTED                                                                                                   |
| ⊙                                                                                                                                                         | FIRE ALARM STROBE LIGHT                                                                                                              |
| ⊙                                                                                                                                                         | FIRE ALARM COMBINATION HORN/STROBE LIGHT                                                                                             |
| ⊙                                                                                                                                                         | FIRE ALARM CEILING MOUNTED SPEAKER                                                                                                   |
| ⊙                                                                                                                                                         | FIRE ALARM WALL MOUNTED SPEAKER                                                                                                      |
| ⊙                                                                                                                                                         | HEAT DETECTOR 94 DEGREE C FIXED TEMPERATURE                                                                                          |
| ⊙                                                                                                                                                         | HEAT DETECTOR 58 DEGREE C FIXED TEMP. & RATE OF RISE                                                                                 |
| ⊙                                                                                                                                                         | COMBINATION 120V SMOKE ALARM & HEAT DETECTOR                                                                                         |
| ⊙                                                                                                                                                         | PHOTOCHEMICAL SMOKE DETECTOR                                                                                                         |
| ⊙                                                                                                                                                         | IONIZATION SMOKE DETECTOR                                                                                                            |
| ⊙                                                                                                                                                         | DUCT MOUNTED SMOKE DETECTOR                                                                                                          |
| ⊙                                                                                                                                                         | 120V SMOKE ALARM                                                                                                                     |
| ⊙                                                                                                                                                         | FIRE ALARM OPERATED DOOR HOLD OPEN DEVICE                                                                                            |
| ⊙                                                                                                                                                         | COMBINATION 120V CO AND SMOKE DETECTOR C/W FLASHING LIGHT                                                                            |
| ⊙                                                                                                                                                         | FIRE ALARM ISOLATION SWITCH CEILING MOUNTED                                                                                          |
| ⊙                                                                                                                                                         | SUPPRESSOR VALVE WIRED BY THIS DIVISION                                                                                              |
| ⊙                                                                                                                                                         | SPRINKLER FLOW ALARM WIRED BY THIS DIVISION                                                                                          |
| ⊙                                                                                                                                                         | SPRINKLER PRESSURE SWITCH WIRED BY THIS DIVISION                                                                                     |
| ⊙                                                                                                                                                         | SPEAKER VOLUME CONTROL                                                                                                               |
| ⊙                                                                                                                                                         | FIRE FIGHTER TELEPHONE/HANDSET                                                                                                       |
| ⊙                                                                                                                                                         | TIME SWITCH (PARAGON 4000-S2, SKIP-A-DAY, ASTRODAL, 24 HOURS)                                                                        |
| ⊙                                                                                                                                                         | SURFACE MOUNTED LIGHTING OR POWER PANEL                                                                                              |
| ⊙                                                                                                                                                         | FLUSH MOUNTED LIGHTING OR POWER PANEL                                                                                                |
| ⊙                                                                                                                                                         | NEXT TO DEVICES INDICATES WEATHER PROOF, GROUND IDENTIFIER AND ISOLATED GROUND IDENTIFIER LIGHTING FIXTURE TYPE                      |
| ⊙                                                                                                                                                         | RECESSED STEP LIGHT                                                                                                                  |
| NOTE:<br>THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT. |                                                                                                                                      |

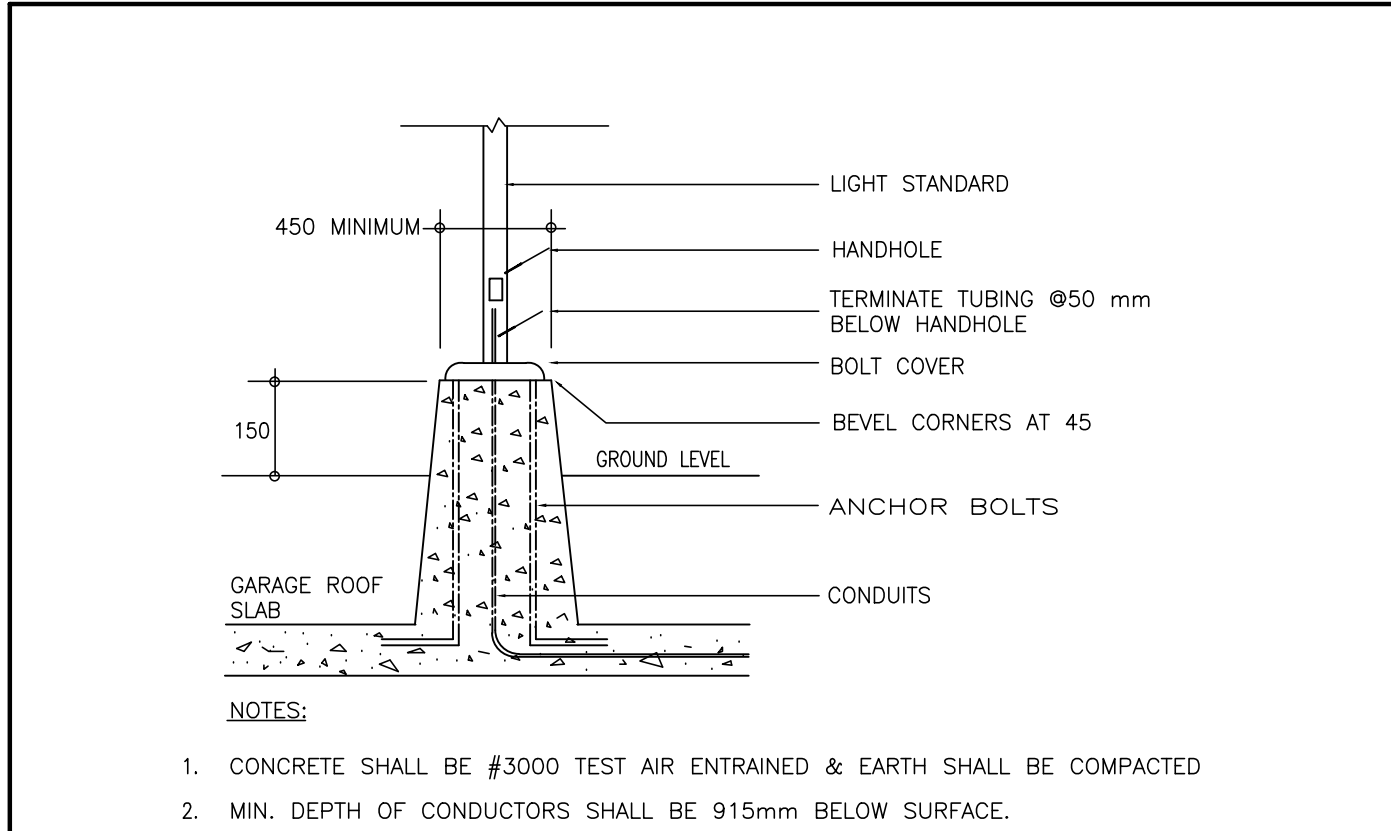
## GENERAL NOTES:

- ELECTRICAL DRAWINGS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, FIRE PROTECTION, INTERIOR DESIGN, LANDSCAPE AND STRUCTURAL DRAWINGS. CONTRACTOR TO ALLOW FOR ALL COORDINATION TO BE COMPLETED ON SITE.
- ALL SECURITY CONDUIT TO BE PROVIDED IN COORDINATION WITH SECURITY SUPPLIER
- ALL WORK TO BE IN ACCORDANCE WITH HYDRO/ESA STANDARDS AND AS DIRECTED BY ON SITE INSPECTORS.
- ALL PENETRATES THRU CORE SLAB TO BE SMOKE SEALED IN ACCORDANCE WITH CODE AND MANUFACTURERS RECOMMENDATIONS. ALL WIRING IN SUITES TO BE BX WHERE POSSIBLE.
- ENSURE THAT THE INTEGRITY OF THE EXIST STAIRS FIRE SEPARATIONS IS NOT AFFECTED BY FIRE ALARM DEVICES. THE INTEGRITY OF THESE FIRE SEPARATIONS BEHIND THE PHYSICAL DEVICES IS REQUIRED TO BE REVIEWED AND COORDINATED ON SITE TO ENSURE THAT SUFFICIENT CONCRETE THICKNESS IS AVAILABLE TO MAINTAIN THE 2H FIRE SEPARATION.
- FINAL DRUM DRIPS LOCATION MUST BE CO-ORDINATED WITH THE MECHANICAL CONTRACTOR ON SITE. ALL DRUM DRIPS TO BE ELECTRICALLY TRACED AND INSULATED, FED FROM PANEL "EF".
- FINAL EXPOSED P-TRAPS MUST BE CO-ORDINATED WITH MECHANICAL CONTRACTOR ON SITE. ALL EXPOSED P-TRAPS TO BE ELECTRICALLY TRACED AND INSULATED, FED FROM PANEL "EF".
- ALL HEAT TRACING FOR WET SPRINKLERS AND STANDPIPE IS REQUIRED TO HAVE A SUPERVISORY SIGNAL ON FIRE ALARM SYSTEM CONTROL PANEL WHEN THERE IS A LOSS OF POWER.
- COMPLETE NETWORKED GAS DETECTION AND CONTROL SYSTEM TO BE PROVIDED AND INSTALLED WHERE THE VENTILATION SYSTEM WILL BE HOOKED UP DIRECTLY TO THE GAS DETECTION SYSTEM (REFER TO CO MONITOR SYSTEM TYPICAL INSTALLATION DETAIL FOR MORE INFORMATION).
- PROVIDE LIGHT SWITCHES WHICH IS (ARE) INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN SERVING MECHANICAL, STORAGE AND/OR LOCKER ROOMS. OTHERWISE PROVIDE 24HRS OPERATION FOR THE FANS. COORDINATE WITH DIV. 16 PRIOR TO ROUGH-IN.
- FOR SITE LIGHTING, OPERATIONAL PRACTICES TO BE MADE TO REDUCE LIGHT POLLUTION AND SPILL LIGHT (LIGHT BEYOND AREAS THAT NEED TO BE LIT FOR SAFETY AND SECURITY REASONS).
- PEDESTRIAN SCALED LIGHTING MUST BE DIRECTED DOWNWARD AND INCLUDES FIXTURES SUCH AS BOLLARDS OR LOWER SCALE POLE FIXTURES ALONG PEDESTRIAN ROUTES TO MINIMIZE LIGHT POLLUTION.
- WHERE CEILING HEIGHT EXCEEDS 15' FIXTURES ARE TO BE STEW OR DOWN HUNG TO A HEIGHT OF 12' W/ EXCLUDING GARAGE LIGHT FIXTURES. INTERIOR DESIGN FIXTURES TO BE AS PER INTERIOR DESIGN DRAWINGS.
- OCCUPANCY-BASED LIGHTING CONTROL DEVICES TURN LIGHTS OFF WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE OR A SIGNAL FROM ANOTHER CONTROL.
- OCCUPANCY SENSOR INSTALLATION TO BE AS PER MANUFACTURER RECOMMENDATION. PROVIDE ON/OFF/AUTO FOR ALL SWITCHES WHERE OCCUPANCY SENSORS ARE USED.
- EXIST SIGNS TO BE 5W OR LESS PER FACE. EXIST SIGNS LOCATIONS ARE SUBJECTIVE AND WILL REQUIRE ON-SITE REVIEW TO ADDRESS OBSTRUCTIONS SUCH AS COLUMN CAPITALS AND DUCTS OR PIPES. SITE REVIEW OF EXIST SIGN LOCATIONS IS REQUIRED.
- REFER TO SUITE PANEL SCHEDULE FOR IN SUITE CIRCUITRY ARRANGEMENT.
- COORDINATE LOCATION OF SUITE ELECTRICAL, C/T AND SECURITY PANELS WITH ARCHITECTURAL DRAWINGS.
- ALL DWELLING UNIT RECEPTACLES, INCLUDING KITCHEN COUNTER RECEPTACLES, OF CSA CONFIGURATION 5-15R AND 5-20R SHALL BE TAMPER RESISTANT RECEPTACLES WITH EXCEPTION OF RECEPTACLES DEDICATED FOR STATIONARY APPLIANCES SUCH THAT THE RECEPTACLE IS RENDERED INACCESSIBLE, OR THOSE LOCATED 2m FROM THE FLOOR OR FINISHED GRADE.
- AT LEAST ONE RECEPTACLE SHALL BE INSTALLED FOR THE MAINTENANCE OF ROOFTOP HVAC EQUIPMENT AS PER RULE 26-314 AND SHALL BE LOCATED WITHIN 7.5m OF ALL SUCH EQUIPMENT AND COMPLY WITH REQUIREMENTS OF 26-704 AND BULLETIN 26-27-4.
- WHERE EXPOSED TO THE WEATHER, RECEPTACLES SHALL BE PROVIDED WITH COVER PLATES SUITABLE FOR WET LOCATIONS WHETHER OR NOT A PLUG IS INSERTED INTO THE RECEPTACLE (N-USE COVER PLATES). RULE 26-702(2)
- EACH BRANCH CIRCUIT SUPPLYING 120V RECEPTACLES, RATED 20A OR LESS, SHALL BE PROTECTED BY A COMBINATION-TYPE AFO EXCEPT BRANCH CIRCUIT SUPPLYING RECEPTACLES ON KITCHEN COUNTER (FOR PERSON WITH DISABILITIES) BATHROOMS/WHODROOMS (PROVIDED THAT NO OTHER RECEPTACLES ARE CONNECTED TO THESE CIRCUITS), KITCHEN COUNTER, KITCHEN ISLAND AND PENINSULA.
- FLOOR OUTLET BOXES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS FOR THE TYPE OF FLOOR INTENDED. FLUSH-MOUNTED FLOOR BOX COVERS SHALL BE SPECIFICALLY APPROVED FOR THE TYPE OF FLOOR INTENDED.
- CONFIRM VOLTAGE AND SUPPLY OF THERMOSTATS QUANTITY WITH MECHANICAL DRAWINGS.
- LOW VOLTAGE DRY TYPE TRANSFORMERS (AIR COOLED <=600V) TO MEET NOMINAL EFFICIENCY REQUIRED BY ASHRAE 90.1

## DRAWINGS LIST

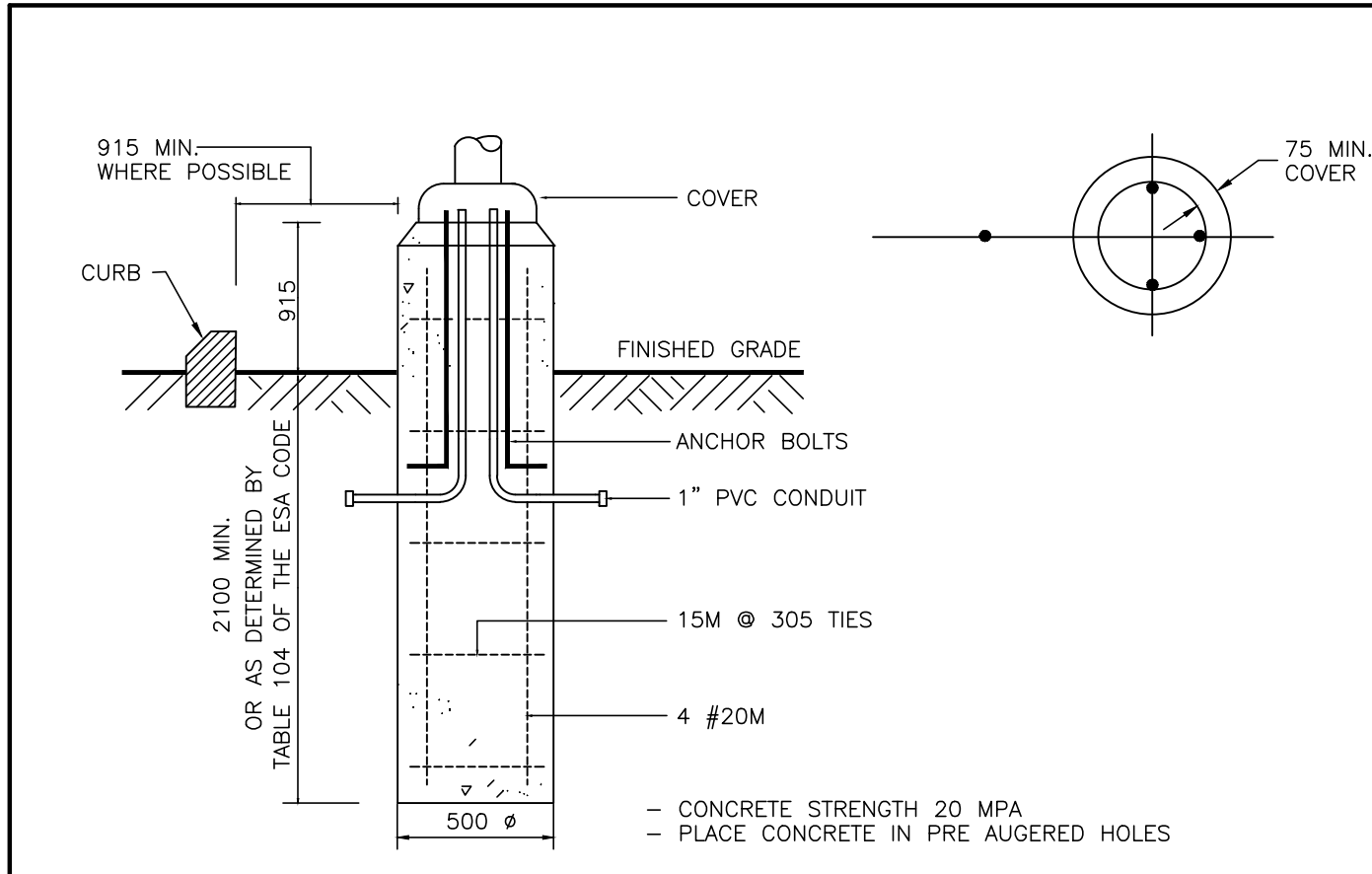
| DWG. #    | TITLE                                | SCALE  |
|-----------|--------------------------------------|--------|
| E-1       | SITE PLAN                            | 1:250  |
| E-2A/E-2B | PARKING LEVEL                        | 1:100  |
| E-2C      | PARKING LEVEL ELECTRICAL ROOM LAYOUT | 1:150  |
| E-3       | GROUND FLOOR PLAN                    | 1:150  |
| E-4       | 2ND FLOOR PLAN                       | 1:150  |
| E-5       | 3RD FLOOR PLAN                       | 1:150  |
| E-6       | 4TH FLOOR PLAN                       | 1:150  |
| E-7       | ROOF PLAN                            | 1:150  |
| E-8       | TYPICAL SUITE LAYOUT                 | 1:75   |
| E-8A/8B   | DETAILS                              | N.T.S. |
| E-10      | RESER DIAGRAMS                       | N.T.S. |
| E-11      | FIRE ALARM SYSTEM                    | N.T.S. |
| E-12      | SINGLE LINE DIAGRAM                  | N.T.S. |
| E-13      | PANEL SCHEDULES                      | N.T.S. |

| PANEL IDENT. A          |       | SERVICE:       |          | NOTES: |                         |
|-------------------------|-------|----------------|----------|--------|-------------------------|
|                         |       | MAIN CCT, BRK: |          |        |                         |
|                         |       | MANS:          |          |        |                         |
|                         |       | MOUNTING:      |          |        |                         |
| LOAD DESCRIPTION        | WATTS | BRK            | CIRCUITS | BRK    | WATTS                   |
| EXTERIOR LIGHTING (1ST) | 15A   | 1              | 2        | 15A    | EXTERIOR LIGHTING (1ST) |
| EXTERIOR LIGHTING (1ST) | 15A   | 3              | 4        | 15A    | EXTERIOR LIGHTING (1ST) |
| EXTERIOR LIGHTING (1ST) | 15A   | 5              | 6        | 15A    | EXTERIOR LIGHTING (1ST) |
| EXTERIOR LIGHTING (1ST) | 15A   | 7              | 8        | 15A    | EXTERIOR LIGHTING (1ST) |
| SPARE                   | 15A   | 9              | 10       | 15A    | SPARE                   |
|                         | 15A   | 11             | 12       | 15A    |                         |
|                         | 15A   | 13             | 14       | 15A    |                         |
|                         | 15A   | 15             | 16       | 15A    |                         |
|                         | 15A   | 17             | 18       | 15A    |                         |
|                         | 19    | 20             |          |        | SPACE                   |
|                         | 21    | 22             |          |        |                         |
|                         | 23    | 24             |          |        |                         |
|                         | 25    | 26             |          |        |                         |
|                         | 27    | 28             |          |        |                         |
|                         | 29    | 30             |          |        |                         |



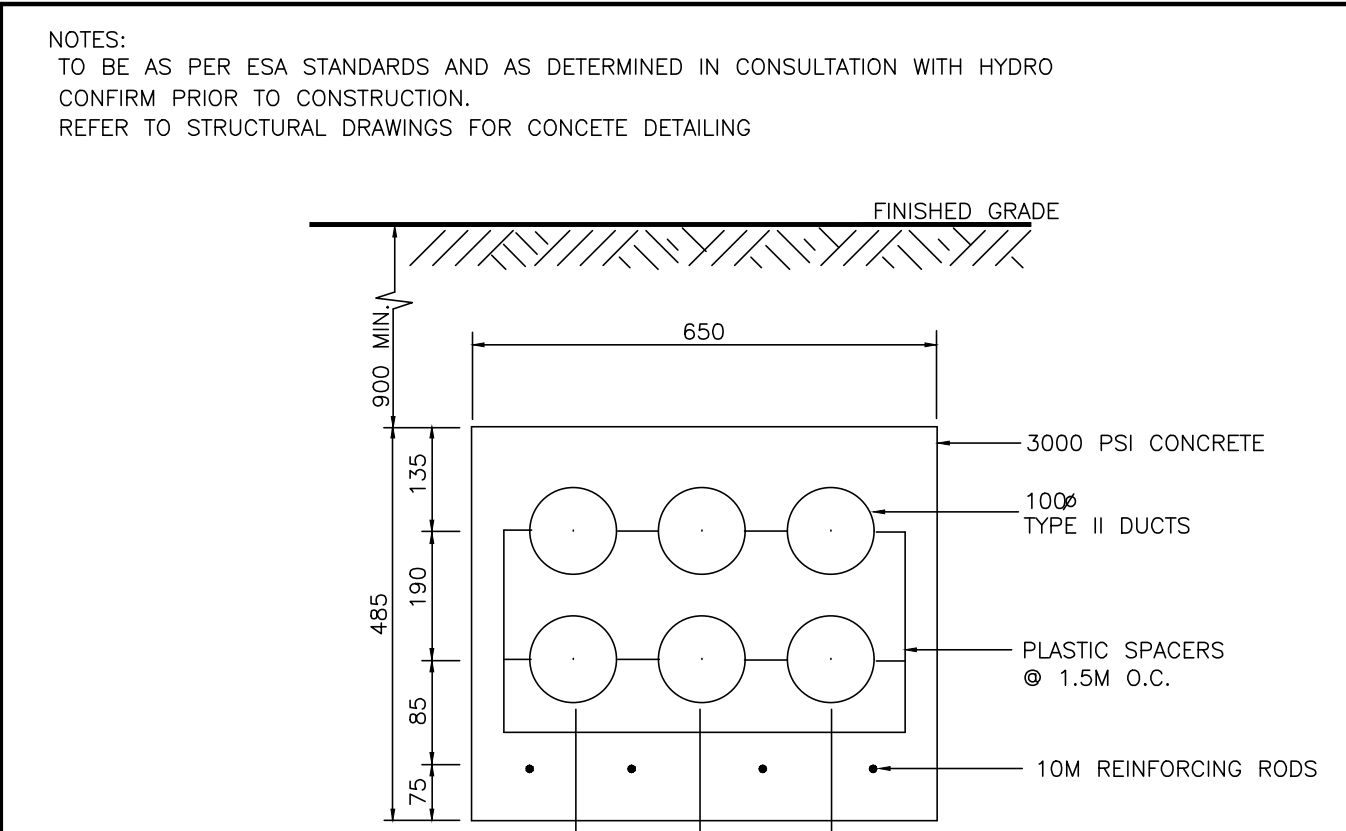
## BASE FOR POLE ON GARAGE

SCALE: N.T.S.



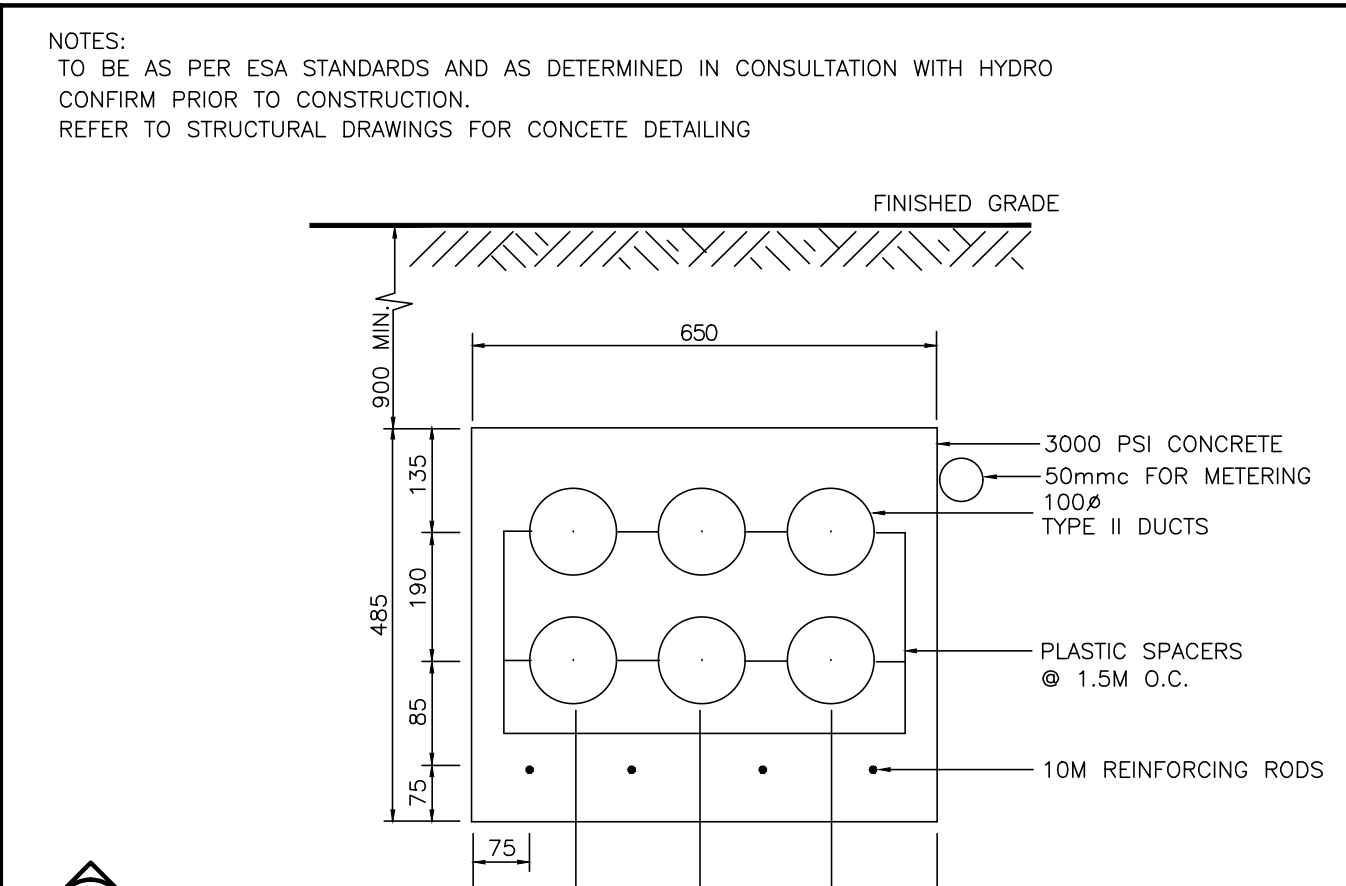
## LIGHTING POLE BASE

SCALE: N.T.S.



## PRIMARY DUCT BANK

SCALE: N.T.S.



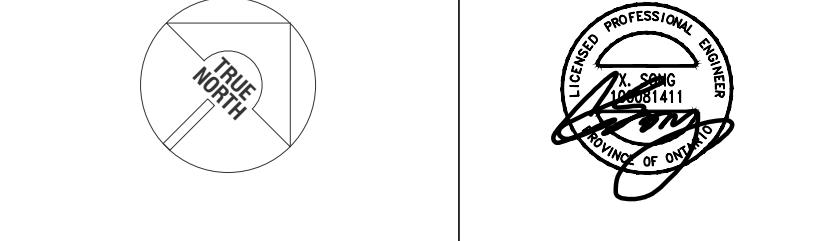
## SECONDARY DUCT BANK

SCALE: N.T.S.

| NO. | BY | DESCRIPTION        | DATE          |
|-----|----|--------------------|---------------|
| 03  | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 02  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |

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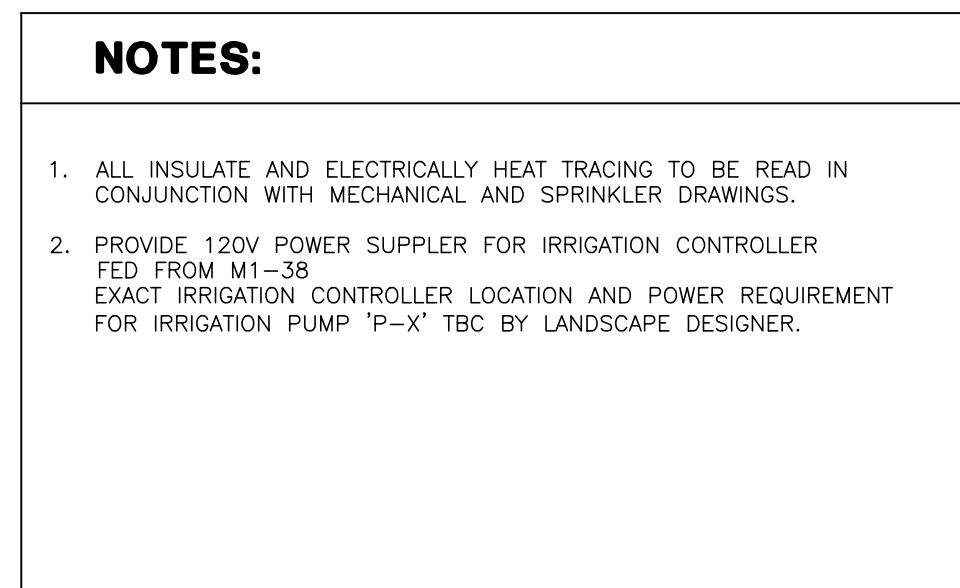
**UNITED ENGINEERING INC.**  
Mechanical Electrical Consulting Engineers  
3645 Keele Street, Suite 105,  
Toronto, Ontario, M3J 1M6  
Tel: (416) 398 1995, Fax: (416) 398 1933

## SITE PLAN ELECTRICAL

## BRAMPTON STACKED FORESTSIDE ESTATES

**ATTMAR + PALLESCHI DRIVE**  
**BRAMPTON, ONTARIO**

| DRAWN     | CHECKED | SCALE   |
|-----------|---------|---------|
| SP        | MG      | 1:250   |
| DATE      | PROJECT | DRAWING |
| MAY, 2019 | 18-017  | E-1     |
|           |         | OF 16   |



- ## GENERAL NOTES:
1. A COMPLETE MEMORIZED GAS DETECTION AND CONTROL SYSTEM TO BE PROVIDED AND INSTALLED WHERE THE VENTILATION SYSTEM WILL BE REQUIRED TO BE USED TO REMOVE GAS FROM THE SYSTEM (SEE REF TO CO MONITOR SYSTEM INSTALLATION DETAIL FOR FURTHER INFORMATION).
  2. FINAL POINT AND END TEST POINT LOCATIONS MUST BE CO-ORDINATED WITH THE FIRE PROTECTION CONTRACTOR ON SITE. ALL FINAL DRIPS AND TEST POINTS TO BE ELECTRICALLY TRACED AND INSULATED.  
(REFER TO PANEL OF TYPICALS)
  3. FINAL POINT AND END TEST POINT DRAWINGS FOR EACH LOCATION FOR GAS DETECTORS, TEST CONNECTIONS, PIPES AND OTHER FITTING REQUIREMENT IN FIRE PROTECTION SYSTEM IS NOT AVAILABLE AT THE SITE OF WORKS.  
(REFER TO PANEL OF TYPICALS)
  4. FINAL EXPOSED P-TRAPS MUST BE CO-ORDINATED WITH MECHANICAL CONTRACTOR ON SITE. ALL EXPOSED P-TRAPS TO BE ELECTRICALLY TRACED AND INSULATED.  
(REFER TO PANEL OF TYPICALS)
  5. PROVIDE LIGHT SMOKE/ODOR SENSORS WHERE HIS (S) ARE INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN SPRING RELEASE FOR MECHANICAL EXHAUST FAN. PROVIDE SENSORS ELSEWHERE SENSE OPERATION FOR THOSE FANS.  
(REFER TO PANEL OF TYPICALS)
  6. ALL OCCUPANCY SENSOR INSTALLATION TO BE AS PER MANUFACTURER RECOMMENDATION.
  7. EXIST GTS TO BE 5V OR LESS PER FLOOR.

| 05  | SP | ISSUED FOR ADD E-3 | JAN. 18, 2021 |
|-----|----|--------------------|---------------|
| 04  | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 03  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 02  | SP | ISSUED FOR ADD E-1 | SEP. 16, 2019 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |
| NO. | BY | DESCRIPTION        | DATE          |

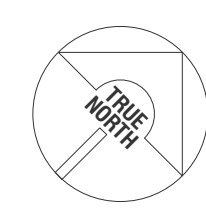
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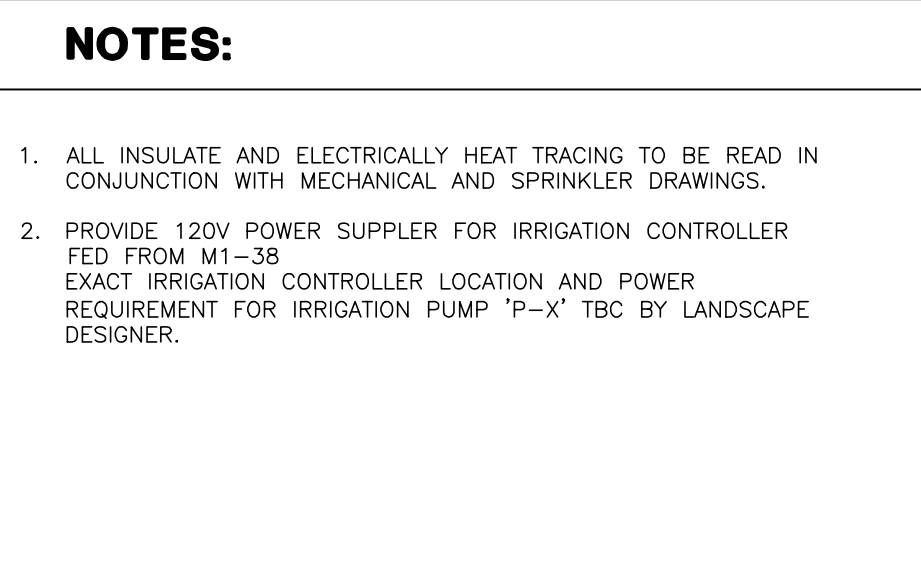
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 3645 Keele Street, Suite 105,  
 Toronto, Ontario, M3J 1M6  
 Tel: (416) 398 1999, Fax: (416) 398 1933

|       |                                    |
|-------|------------------------------------|
| TITLE | PARKING LEVEL PART A<br>ELECTRICAL |
|-------|------------------------------------|

BRAMPTON STACKED  
FORESTSIDE ESTATES

ATTMAR + PALLESCHI DRIVE  
BRAMPTON, ONTARIO

|                       |                              |                                           |
|-----------------------|------------------------------|-------------------------------------------|
| DRAWN<br>SP           | CHECKED<br>MG                | SCALE<br><b>1:100</b>                     |
| DATE<br><br>MAY, 2019 | PROJECT<br><br><b>18-017</b> | DRAWING<br><b>E-2A</b><br>OF<br><b>16</b> |



1. ALL INSULATE AND ELECTRICALLY HEAT TRACING TO BE READ IN CONJUNCTION WITH MECHANICAL AND SPRINKLER DRAWINGS.
2. PROVIDE 120V POWER SUPPLIER FOR IRRIGATION CONTROLLER FED FROM M1-38  
EXACT IRRIGATION CONTROLLER LOCATION AND POWER REQUIREMENT FOR IRRIGATION PUMP "P-X" TBC BY LANDSCAPE DESIGNER.

GENERAL NOTES:

1. A COMPLETE NETWORK GAS DETECTION AND CONTROL SYSTEM, TO BE PROVIDED AND INSTALLED WHERE THE VENTILATION SYSTEM WILL BE PROVIDED TO THE ROOMS TO BE GAS DETECTED. THE SYSTEM SHALL BE DESIGNED TO REPORT TO THE CONTROL SYSTEM (TYPICAL INSTALLATION DETAIL).
2. FINAL, UPSTREAM DUMP TEST POINT LOCATIONS TO BE CO-ORDINATED WITH THE FIRE PROTECTION CONTRACTOR ON SITE. DUMP TEST POINTS SHALL BE ELECTRICALLY TRIGGERED AND ISOLATED.  
FED FROM PANEL 67  
(TYPICAL)
3. THE PROTECTION BRANING FOR EACH LOCATION SHALL BE DUMPED TO THE CONNECTIONS AND ANY OTHER TRADING REQUIRED IN THE PROTECTION SYSTEM TO BE AS NOT AVAILABLE AT THE SITE.
4. FINAL, DOWNSTREAM P-TRAPS SHALL BE CO-ORDINATED WITH MECHANICAL CONTRACTOR ON SITE. ALL DOWNSTREAM-P-TRAPS TO BE ELECTRICALLY TRIGGERED AND ISOLATED.  
FED FROM PANEL 67  
(TYPICAL)
5. PROVIDE FLOW SWITCHES/OCCUPANCY SENSORS WHICH ARE INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN SERVING THE ROOM FOR MECHANICAL VENTILATION AND STORAGE ROOMS. CLOSE FAN WHEN OPERATION FOR FAN TESTS.  
(TYPICAL)
6. ALL OCCUPANCY SENSOR INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATION.
7. EXT. SENSORS TO BE SW OR LESS PER FAN.

CONFIRM EXACT QUANTITY AND TERMINATE ON SITE. AS PER THE LOCATION OF CONTROLLER SHOWN IN ELEVATOR SHOP DRAWINGS. COORDINATE WITH ELEVATOR INSTALLER PRIOR TO ROUGH IN.

① DISCONNECTS FOR ELEVATOR POWER SUPPLY FED FROM ELEVATOR SPLITTER SP61  
DISCONNECTS FOR CAB LIGHTS ETC  
REFER TO SINGLE LINE DIAGRAM FOR DETAILS.  
EXACT LOCATION PER ELEVATOR SHOP DRAWINGS.

- ▶ VANDAL PROOF ELEVATOR SUMP PIT "P-4" (SIMPLEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DP#21.
- ▶ GARAGE EXHAUST FAN, FED FROM MD#1. PROVIDE VANDAL PROOF CONTROL EQUIPMENT, C/W BE INTERLOCKED WITH CO SYSTEM (ONE UNIT IN TOP OF THE OTHER).
- ▶ VANDAL PROOF SUMPARY SUMP PIT C/W PUMP -P-2 (DUPEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DP#21.
- ▶ NOT USED
- ▶ PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL DOMESTIC COLD WATER PIPING OUTSIDE HEATED PLENUM (TYPICAL). FED FROM PANEL "E"
- ▶ PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL VERTICAL NON FREEZE HOSE BIB PIPING OUTSIDE HEATED PLENUM (TYPICAL FOR 12) FED FROM PANEL "E"
- ▶ INSULATED AND ELECTRICALLY TRACED EXPOSED PIPING FED FROM PANEL "E"
- ▶ NOT USED
- ▶ VANDAL PROOF STORM SUMP PIT C/W PUMP -P-3 (DUPEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DP#21
- ▶ NOT USED
- ▶ 1KW HEATER C/W BUILT IN THERMOSTAT IN HEATED PIPE SPACE, BUILDING A AND BUILDING D FROM PANEL H1
- ▶ QUANTITY 2 (ONE IN EACH) ON SUMP FROM PANEL #22. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION, BUILDING AND DETAILS.
- ▶ NOT USED
- ▶ NOT USED
- ▶ NOT USED
- ▶ 200 NON FREEZE HOSE BIB PIPE TO ABOVE PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL VERTICAL NON FREEZE HOSE BIB PIPE TO ABOVE TO NFHB (TYPICAL OF 16) FED FROM PANEL "E"
- ▶ SMOKE DETECTOR C/W RELAY FOR ELEVATOR RECALL
- ▶ WET SPRINKLERED LINE TO BE ELECTRICALLY TRACED AND INSULATED, FED FROM PANEL "E"
- ▶ AIR COMPRESSOR FED FROM PANEL DP#61
- ▶ KITCHEN DISMOUNTATION ON SUMP FROM PANEL #22

**NOTES:**

1. ALL INSULATE AND ELECTRICALLY HEAT TRACING TO BE READ IN CONJUNCTION WITH MECHANICAL AND SPRINKLER DRAWINGS.
2. PROVIDE 120V POWER SUPPLIER FOR IRRIGATION CONTROLLER FED FROM M1-38  
EXACT IRRIGATION CONTROLLER LOCATION AND POWER REQUIREMENT FOR IRRIGATION PUMP "P-X" TBC BY LANDSCAPE DESIGNER.

|     |    |                    |               |
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|     |    |                    |               |
|     |    |                    |               |
|     |    |                    |               |
| 05  |    | ISSUED FOR ADD E-3 | JAN. 18, 2021 |
| 04  | SP | ISSUED FOR PERMIT  | SEP. 38, 2020 |
| 03  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 02  | SP | ISSUED FOR ADD E-1 | SEP. 16, 2019 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |
| NO. | BY | DESCRIPTION        | DATE          |

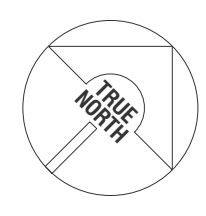
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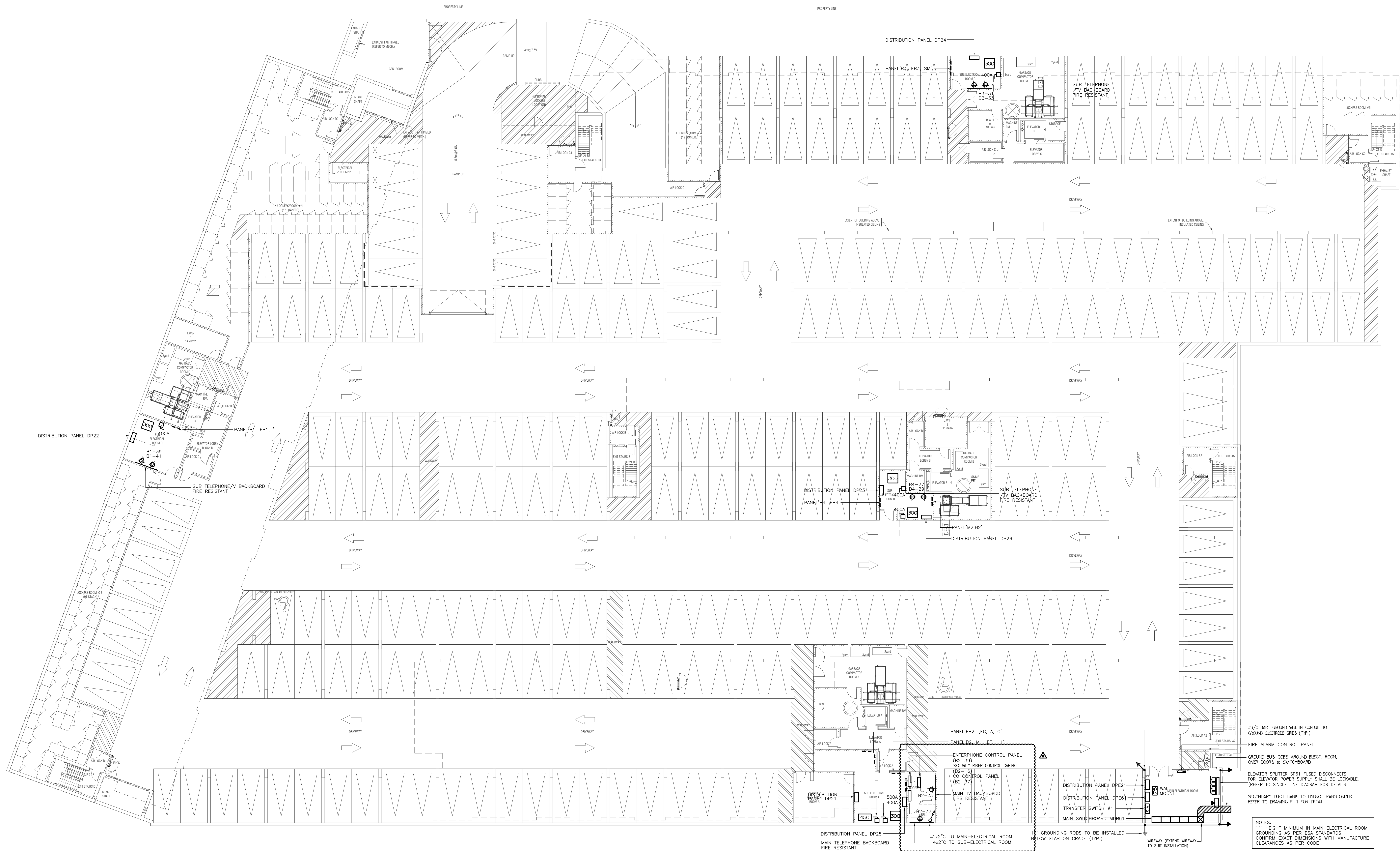
TITLE **PARKING LEVEL PART B  
ELECTRICAL**

---

PROJECT **BRAMPTON STACKED  
FORESTSIDE ESTATES**

**ATTMAR + PALLESCI DRIVE  
BRAMPTON, ONTARIO**

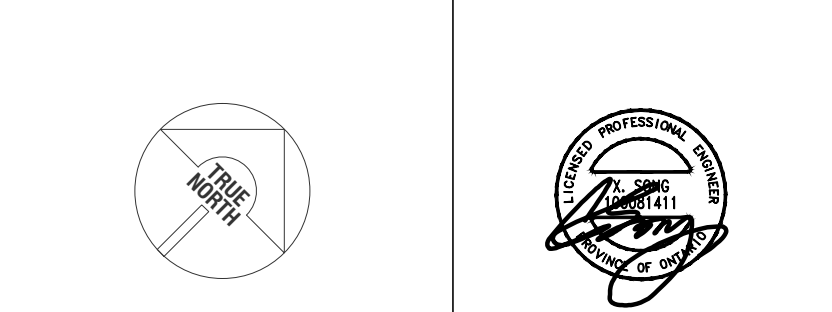
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| DRAWN<br>SP           | CHECKED<br>MG                | SCALE<br><b>1:100</b>                     |
| DATE<br><br>MAY, 2019 | PROJECT<br><br><b>18-017</b> | DRAWING<br><b>E-2B</b><br>OF<br><b>16</b> |



| NO. | BY | DESCRIPTION        | DATE          |
|-----|----|--------------------|---------------|
| 05  | SP | ISSUED FOR ADD E-3 | JAN. 18, 2021 |
| 04  | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 03  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 02  | SP | ISSUED FOR ADD E-1 | SEP. 16, 2019 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |

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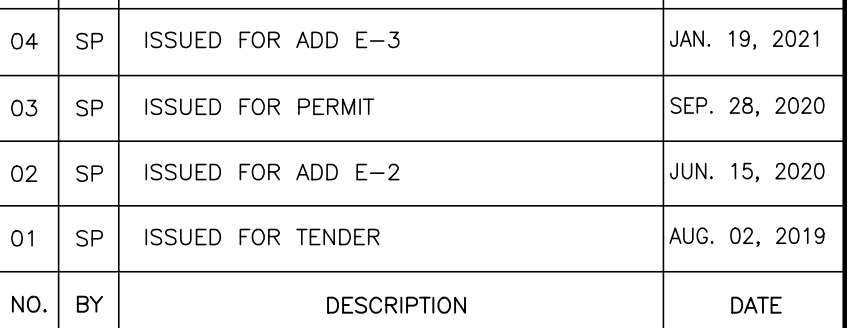
TITLE  
**PARKING LEVEL  
ELECTRICAL ROOM LAYOUT**

PROJECT

**BRAMPTON STACKED  
FORESTSIDE ESTATES**  
**ATTMAR + PALLESCHI DRIVE  
BRAMPTON, ONTARIO**

| DRAWN     | CHECKED | SCALE   |
|-----------|---------|---------|
| SP        | MG      | 1:50    |
| DATE      | PROJECT | DRAWING |
| MAY, 2019 | 18-017  | E-2C    |
|           |         | OF 16   |

- ④ INTERPHONE PANEL C/W THE INTERBUILDING CXTY SYSTEM, CARD READER, AND SYSTEM PANEL, CONFIRM EXACT LOCATION ON FLOOR. WEATHER PROOF PANEL
- ④ JUNCTION BOX FOR TR-80-300 GARBAGE SYSTEM
- ④ TOP OF STAIR
- ④ SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- ④ FIRE ALARM ANNUNCIATOR (ALL FIRE ALARM ANNUNCIATOR TO BE STAINLESS STEEL - TYPICAL)
- ④ O/H DOOR CONTROL PANEL, TO BE INTERCONNECTED TO FIRE ALARM SYSTEM TO OPEN UPON ACTIVATION OF FIRE ALARM
- ④ O/H DOOR OPERATOR FED FROM DP221
- ④ "DO NOT ENTER" SIGNAGE INTERCONNECTED TO FIRE ALARM FED FROM BS-10
- ④ WIRELESS SIGNAL RECEIVER TO ACTIVATE O/H DOOR AND/OR GATEWAYS, WEATHERPROOF
- ④ FOR CEILING LIGHT/LIGHT/FIRE ALARM RELAY TO 2ND FLOOR
- ④ 200 NIPN FREE HOSE END SPRING FROM BELOW COMPLETE WITH ELECTRICAL TRACING AND INSULATION FED FROM PANEL 12"
- ④ 120W ELECTRIC 14-1" THERM FORTI FORCE FLOOR HEATER ORGULT AS SHOWN
- ④ SPLIT SYSTEM HEAVILY BLOWER & COILS
- ④ 1/2" CW SENS HEAVY THERMOSTAT ORGULT AS SHOWN
- ④ BUILDING SIGNALS ANNUNCIATOR
- ④ FIRE DET APPROVED FIRE SMOKE LOGS TO BE INTERCONNECTED TO FIRE ALARM SYSTEM TO IDENTIFY ACTIVATED BUILDING
- ④ SHARP BOWTS FOR SPECIAL DELIVERIES, ORGULTS: B1-34/ B2-34/ B3-34/ B4-30
- ④ SMOKE DETECTOR C/W RELAY FOR ELEVATOR-RELAY



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**BRAMPTON STACKED  
FORESTSIDE ESTATES**

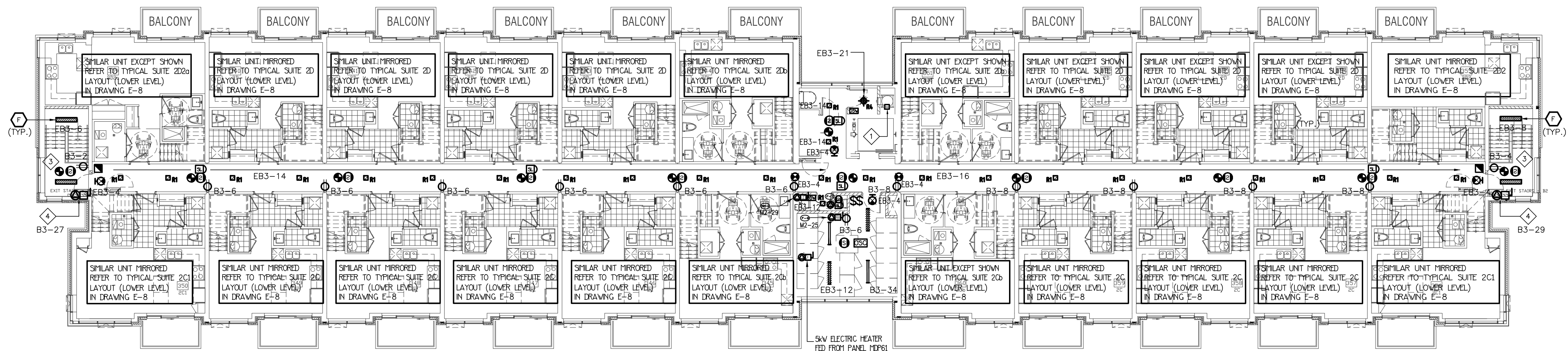
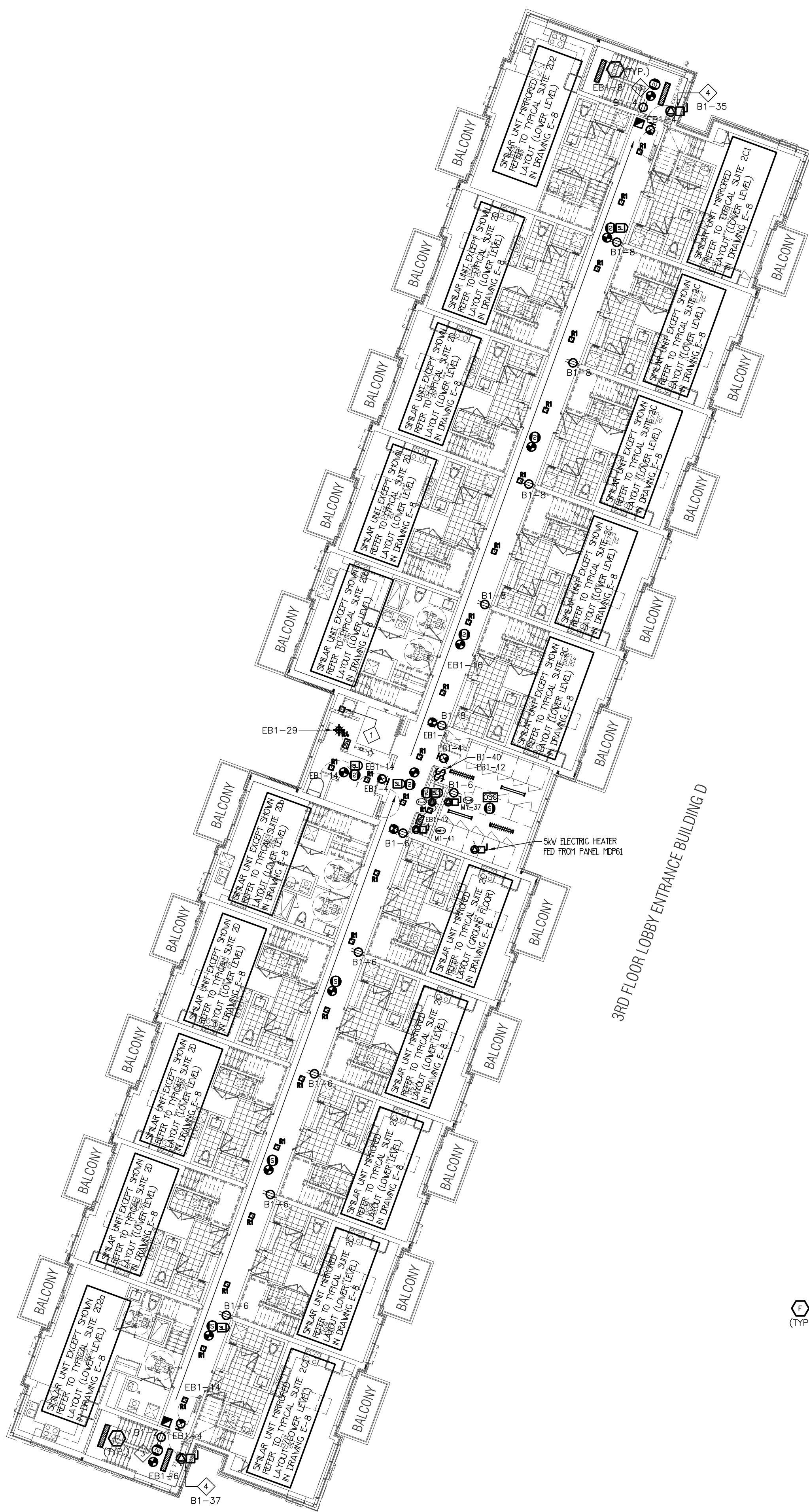
**ATTMAR + PALLESCHI DRIVE  
BRAMPTON, ONTARIO**

|                       |                              |                       |
|-----------------------|------------------------------|-----------------------|
| DRAWN<br>SP           | CHECKED<br>MG                | SCALE<br><b>1:150</b> |
| DATE<br><br>MAY, 2019 | PROJECT<br><br><b>18-017</b> | DRAWING<br><b>E-3</b> |
|                       |                              | OF<br><b>16</b>       |

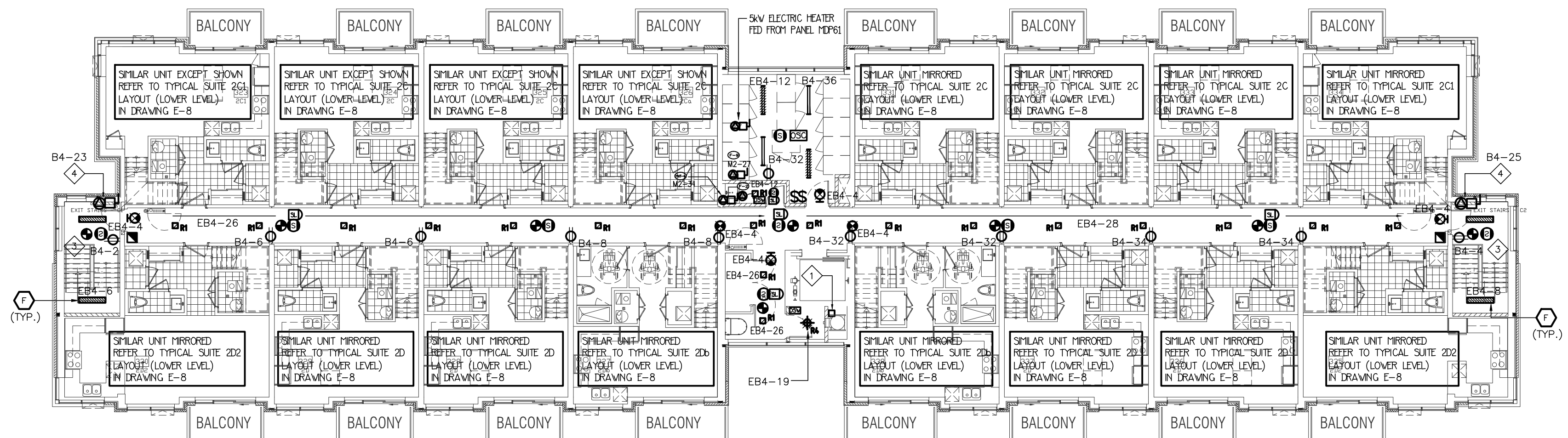


KEY NOTES

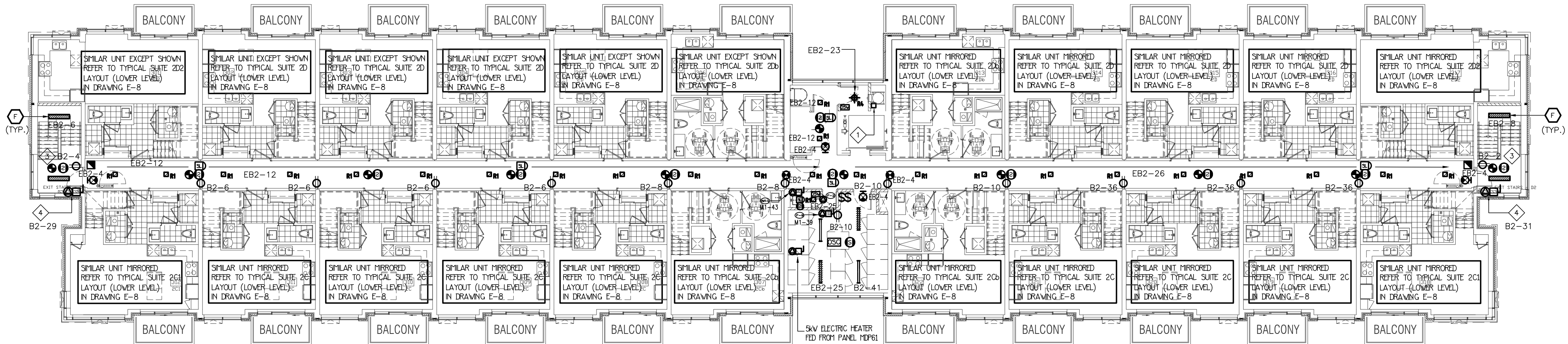
- JUNCTION BOX FOR TR-SORT CARGAGE SYSTEM
- NOT USED
- TOP OF STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- 1.0KW ELECTRIC BASEBOARD HEATER



3RD FLOOR LOBBY ENTRANCE BUILDING C



3RD FLOOR LOBBY ENTRANCE BUILDING B

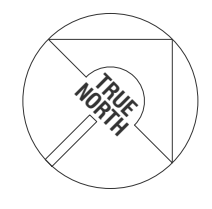


3RD FLOOR LOBBY ENTRANCE BUILDING A

| NO. | BY | DESCRIPTION        | DATE          |
|-----|----|--------------------|---------------|
| 04  | SP | ISSUED FOR ADD E-3 | JAN. 19, 2021 |
| 03  | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 02  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |

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Tel: (416) 398 1995, Fax: (416) 398 1933

TITLE  
**3RD FLOOR PLAN  
ELECTRICAL**

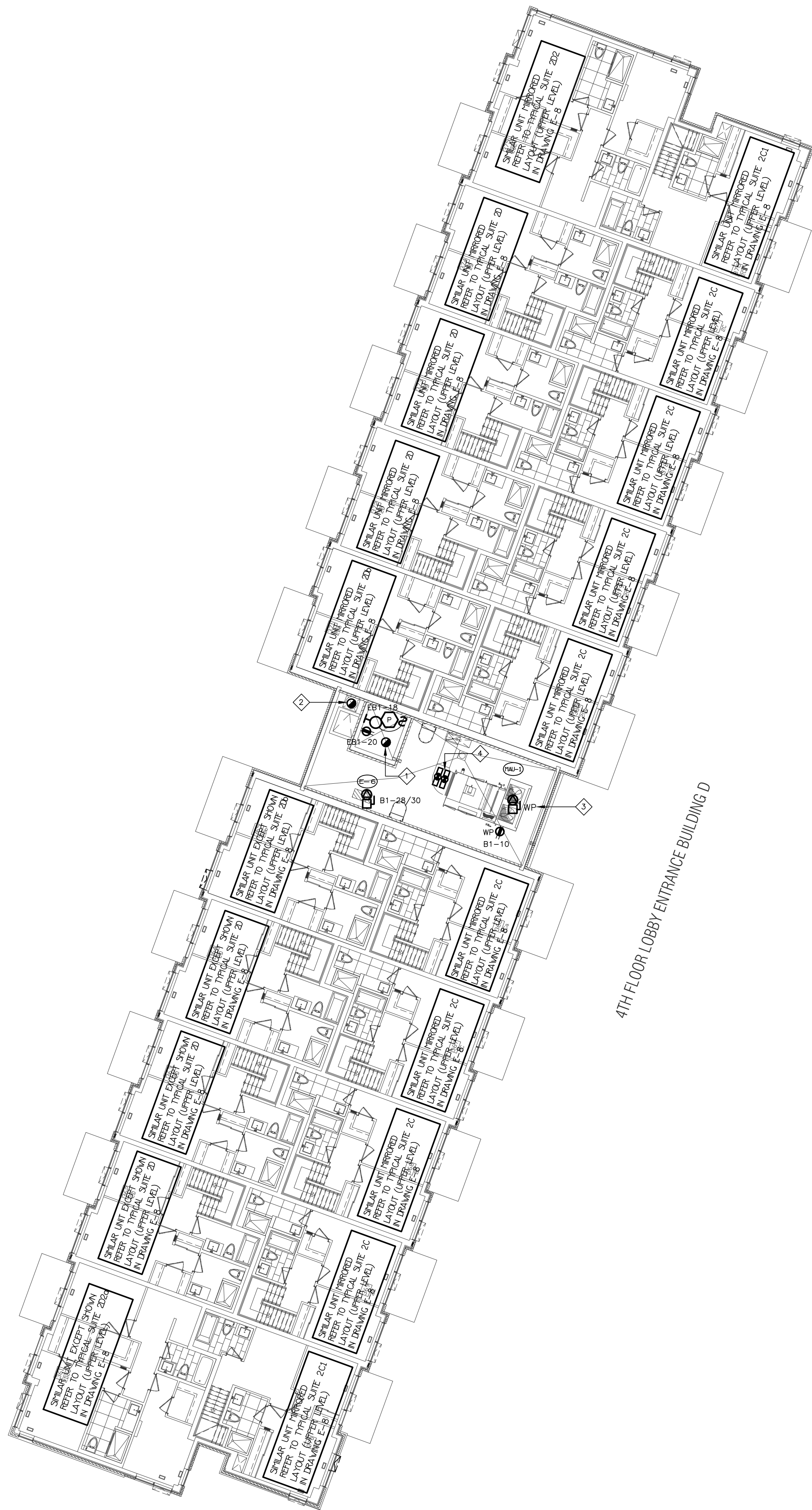
PROJECT

**BRAMPTON STACKED  
FORESTSIDE ESTATES**  
**ATTMAR + PALLESCHI DRIVE  
BRAMPTON, ONTARIO**

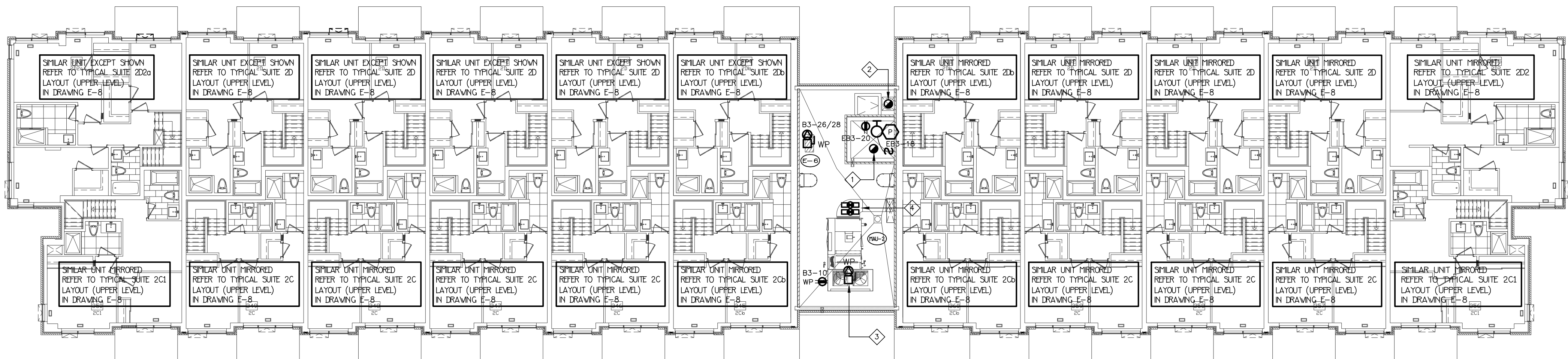
| DRAWN     | CHECKED | SCALE   |
|-----------|---------|---------|
| SP        | MG      | 1:150   |
| DATE      | PROJECT | DRAWING |
| MAY, 2019 | 18-017  | E-5     |
|           |         | OF 16   |

KEY NOTES

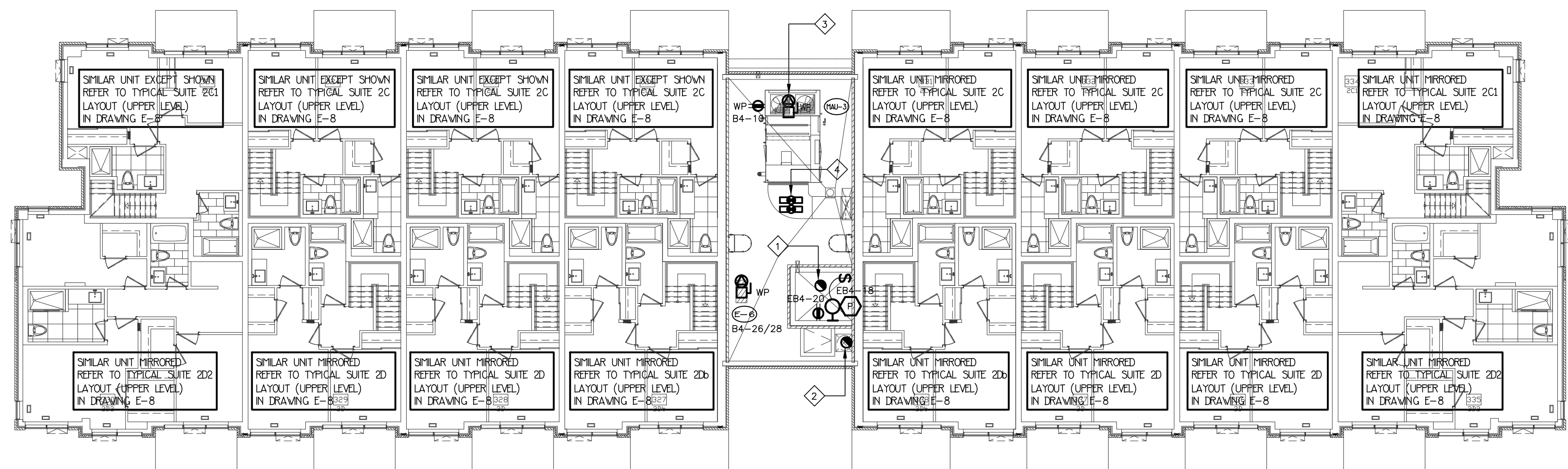
- ELEVATOR SHAFT HEAT DETECTOR AT TOP OF SHAFT
- HEAT DETECTOR AT THE TOP OF GARBAGE CHUTE C/W FIRE ALARM ZONE
- MAKE UP AIR UNIT (MOUNTED ON ROOF) FED FROM ROOF
- DUCT MOUNTED SMOKE DETECTOR C/W FIRE ALARM ZONE



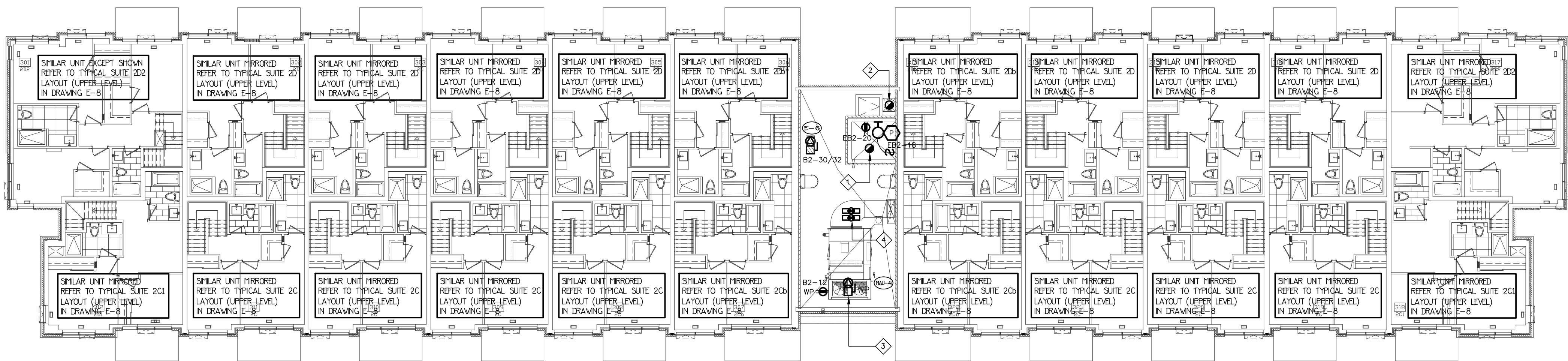
4TH FLOOR LOBBY ENTRANCE BUILDING D



4TH FLOOR LOBBY ENTRANCE BUILDING C



4TH FLOOR LOBBY ENTRANCE BUILDING B



4TH FLOOR LOBBY ENTRANCE BUILDING A

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| 04  | SP | ISSUED FOR ADD E-3 | JAN. 19, 2021 |
| 03  | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 02  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |
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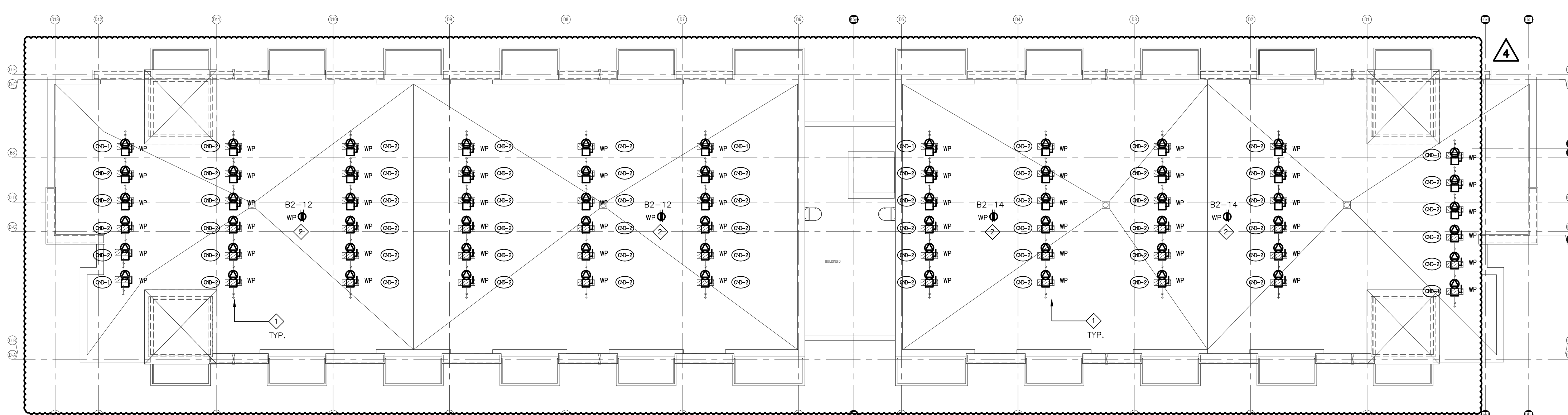
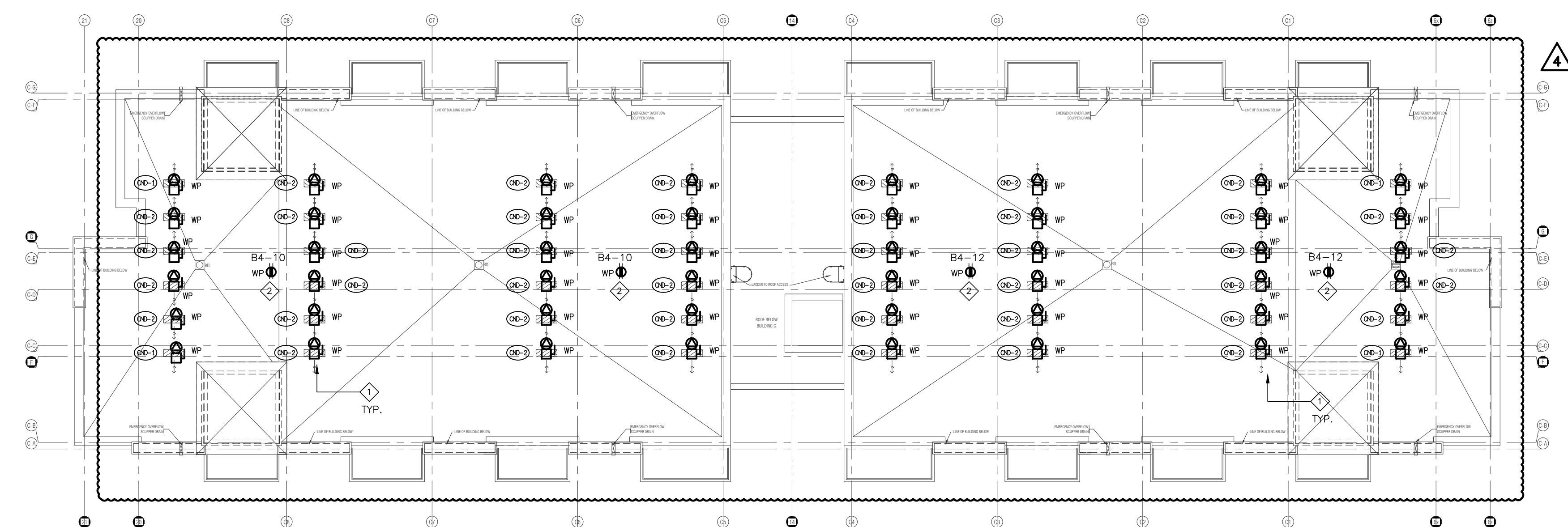
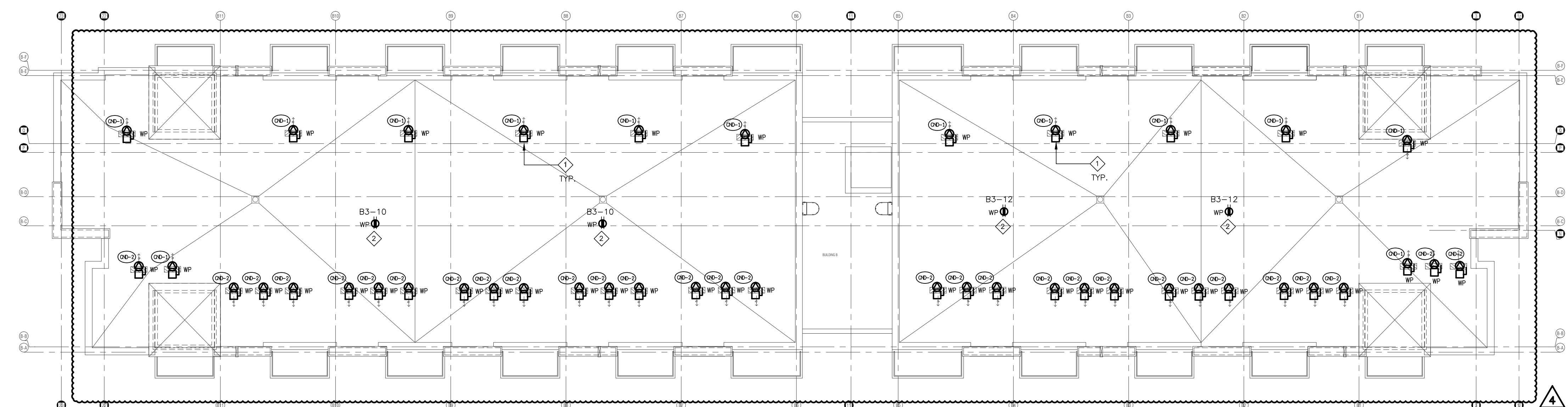
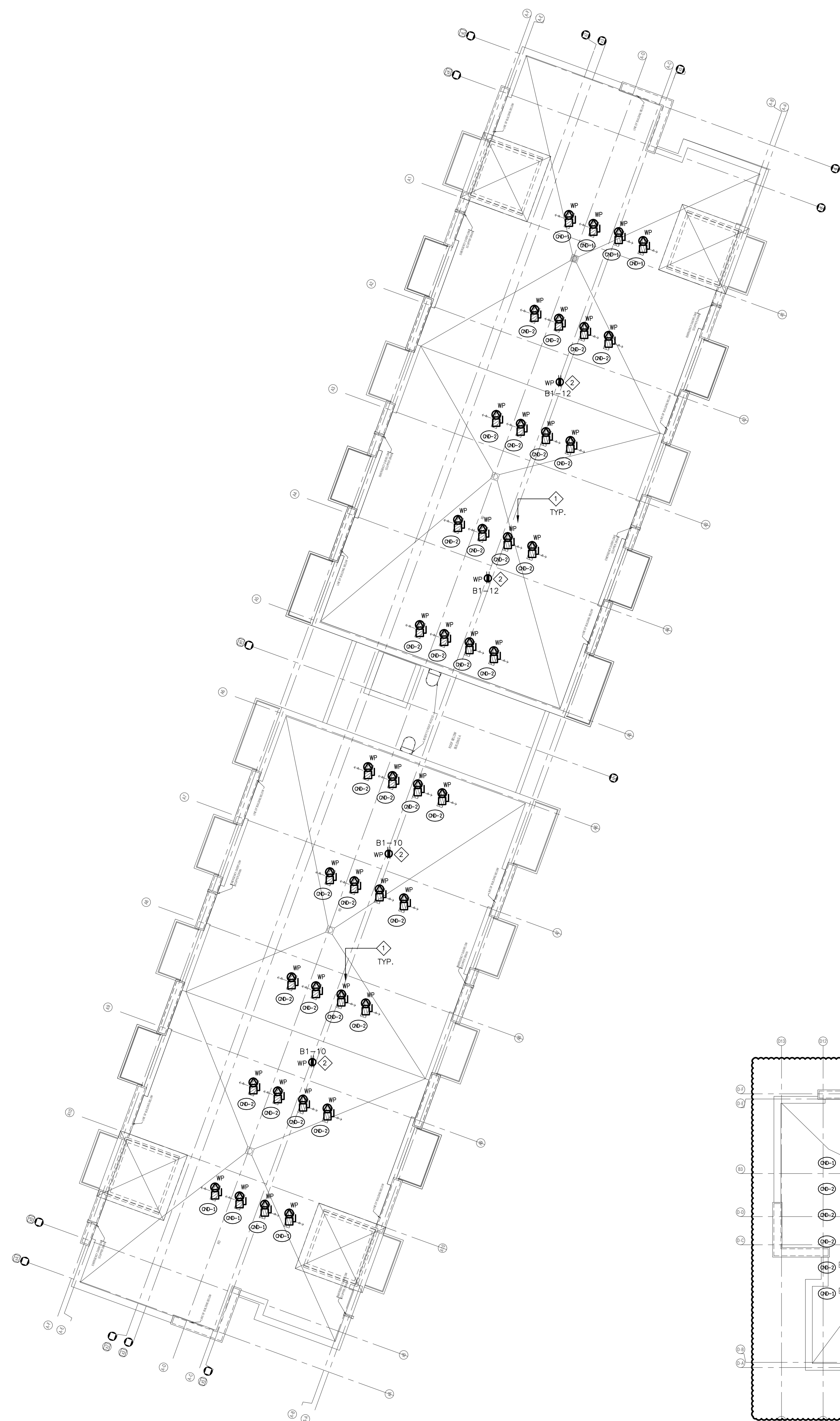


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Tel: (416) 398 1995, Fax: (416) 398 1933

|                                               |         |         |    |
|-----------------------------------------------|---------|---------|----|
| TITLE                                         |         |         |    |
| 4TH FLOOR PLAN<br>ELECTRICAL                  |         |         |    |
| PROJECT                                       |         |         |    |
| BRAMPTON STACKED<br>FORESTSIDE ESTATES        |         |         |    |
| ATTMAR + PALLESCHI DRIVE<br>BRAMPTON, ONTARIO |         |         |    |
| DRAWN                                         | CHECKED | SCALE   |    |
| SP                                            | MG      | 1:150   |    |
| DATE                                          | PROJECT | DRAWING |    |
| MAY, 2019                                     | 18-017  | E-6     |    |
|                                               |         | OF      | 16 |

|   |                                                                                                                    |
|---|--------------------------------------------------------------------------------------------------------------------|
| 1 | CONDENSING UNIT FED FROM STACKED HOUSE SUITE PANEL<br>REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITY |
| 2 | WEATHER PROOF PEDESTAL MOUNTED RECEPTACLES                                                                         |

|   |                                                                                                                    |
|---|--------------------------------------------------------------------------------------------------------------------|
| 1 | CONDENSING UNIT FED FROM STACKED HOUSE SUITE PANEL<br>REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITY |
| 2 | WEATHER PROOF PEDESTAL MOUNTED RECEPTACLES                                                                         |



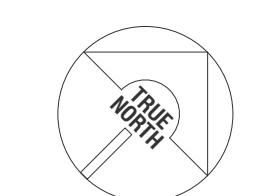
| 04  | SP | ISSUED FOR ADD E-3 | JAN. 19, 2020 |
|-----|----|--------------------|---------------|
| 03  | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 02  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2011 |
| NO. | BY | DESCRIPTION        | DATE          |

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 Toronto, Ontario, M3J 1M6  
 Tel: (416) 398 1999, Fax: (416) 398 1933

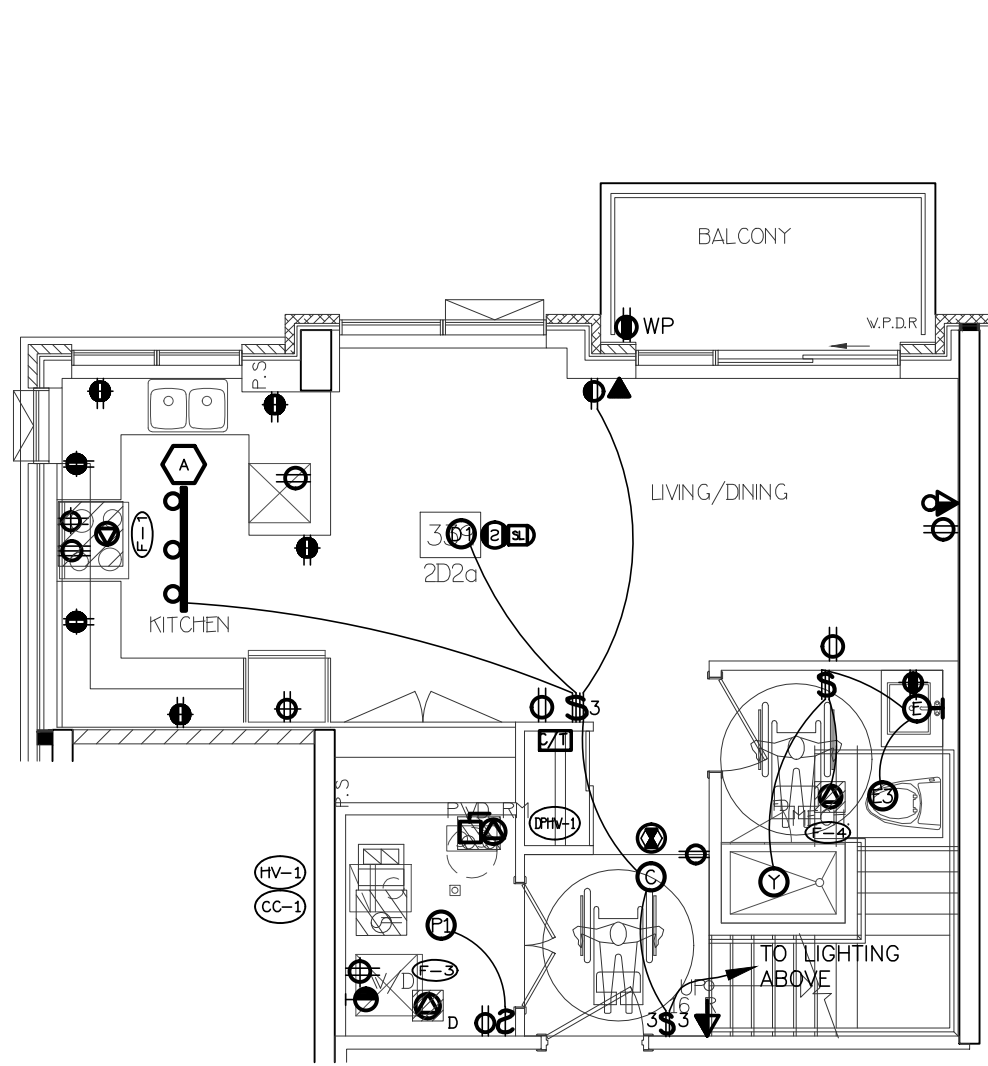
|       |                         |
|-------|-------------------------|
| TITLE | ROOF PLAN<br>ELECTRICAL |
|-------|-------------------------|

PROJECT

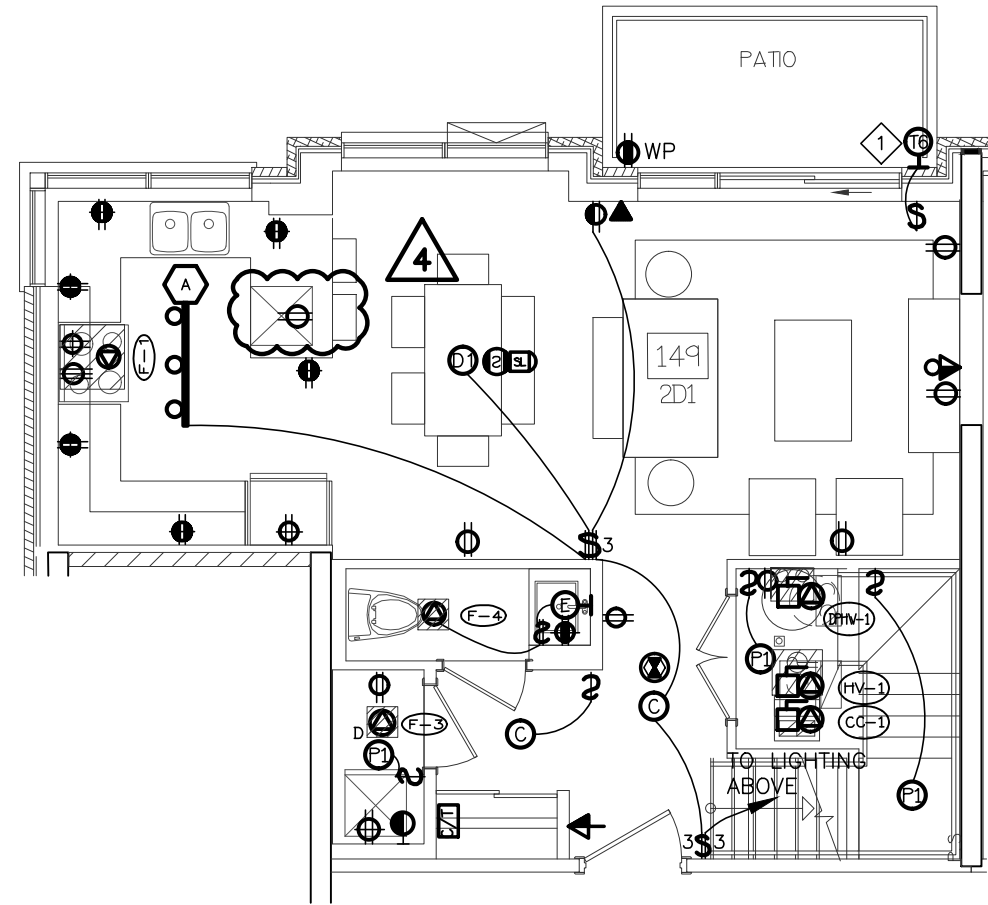
**BRAMPTON STACKED  
FORESTSIDE ESTATES**

**ATTMAR + PALLESCI DRIVE  
BRAMPTON, ONTARIO**

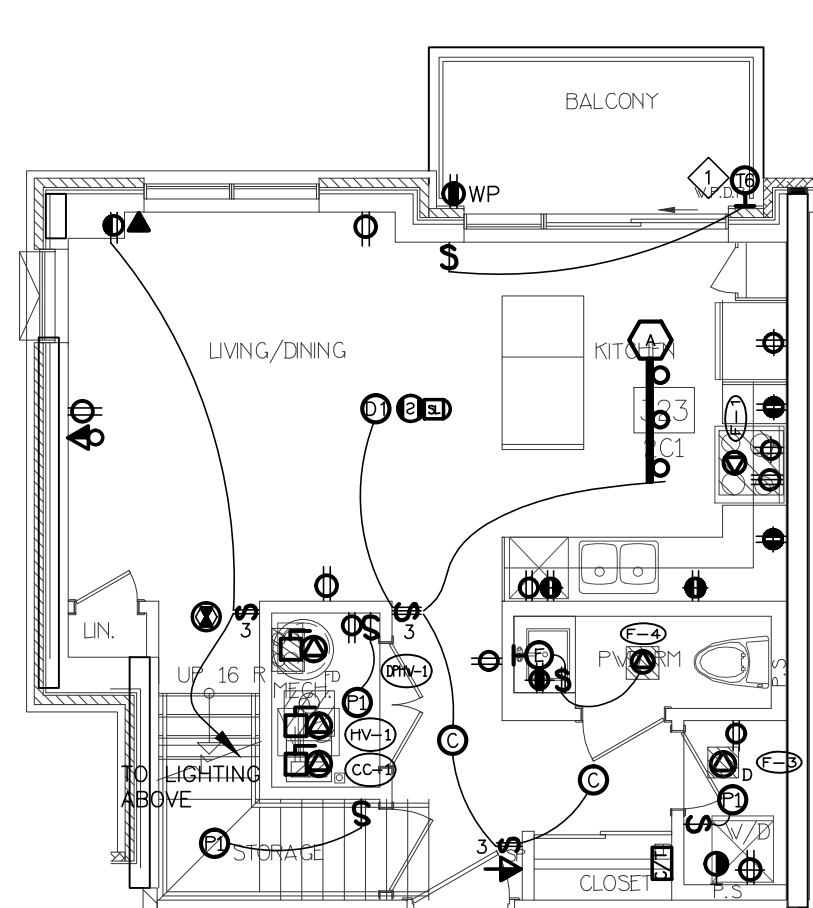
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| DRAWN<br>SP           | CHECKED<br>MG                | SCALE<br><b>1:150</b>                    |
| DATE<br><br>MAY, 2019 | PROJECT<br><br><b>18-017</b> | DRAWING<br><b>E-7</b><br>OF<br><b>16</b> |



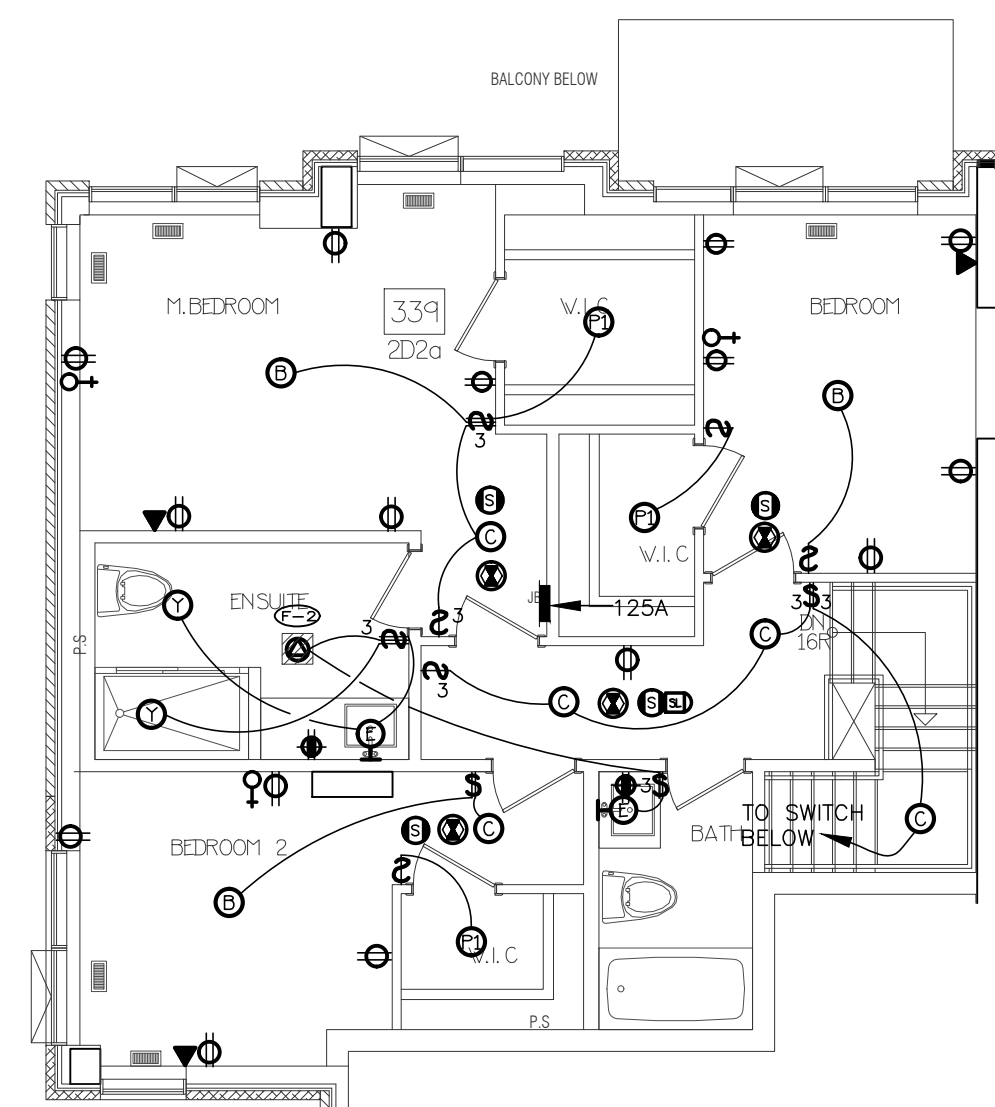
21 SUITE LAYOUT TYPE 2D2a  
LOWER LEVEL



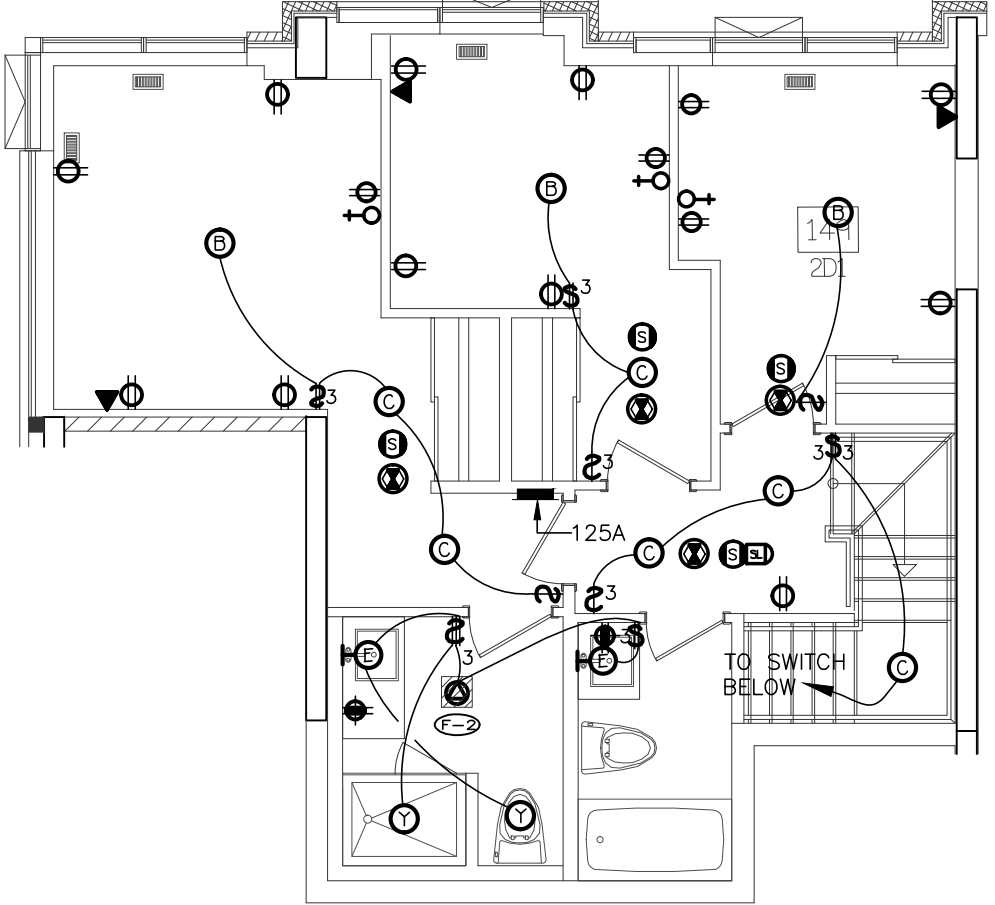
17 SUITE LAYOUT TYPE 2D1  
LOWER LEVEL



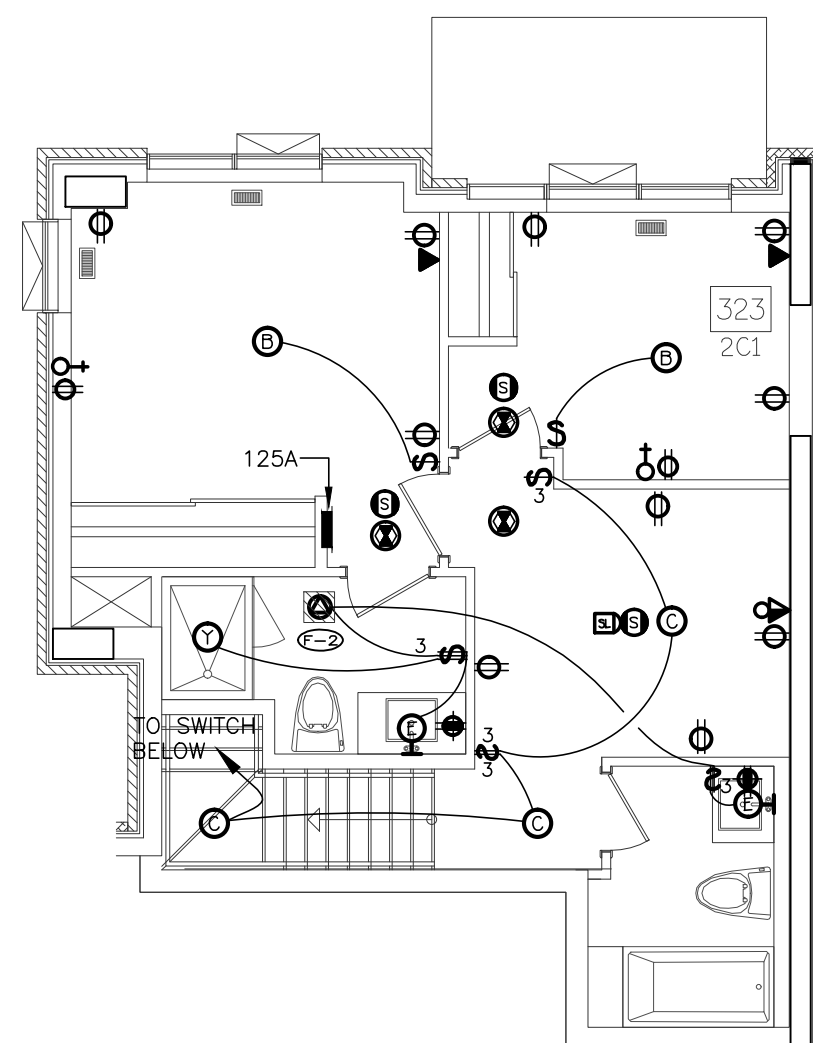
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LOWER LEVEL



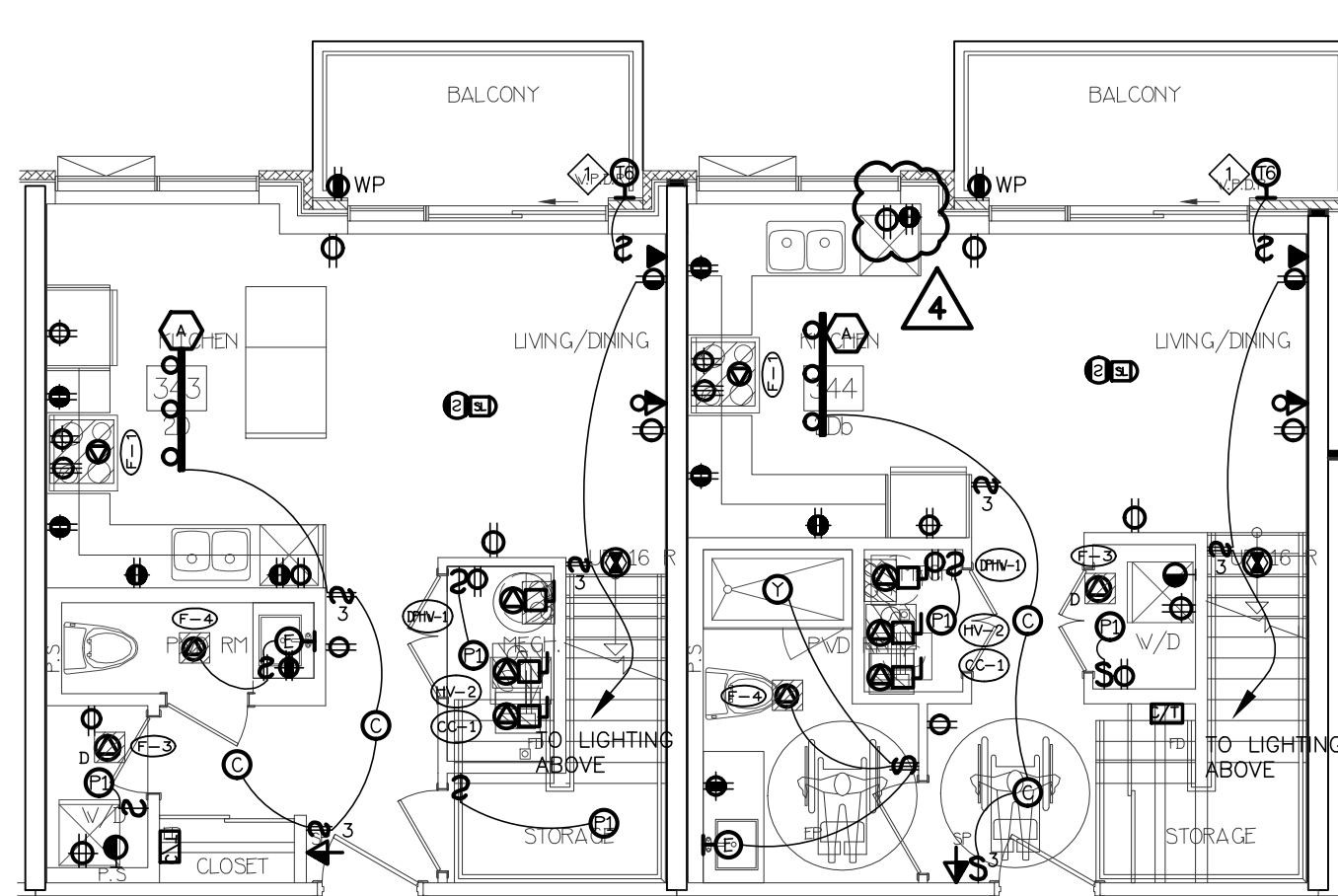
22 SUITE LAYOUT TYPE 2D2a  
UPPER LEVEL



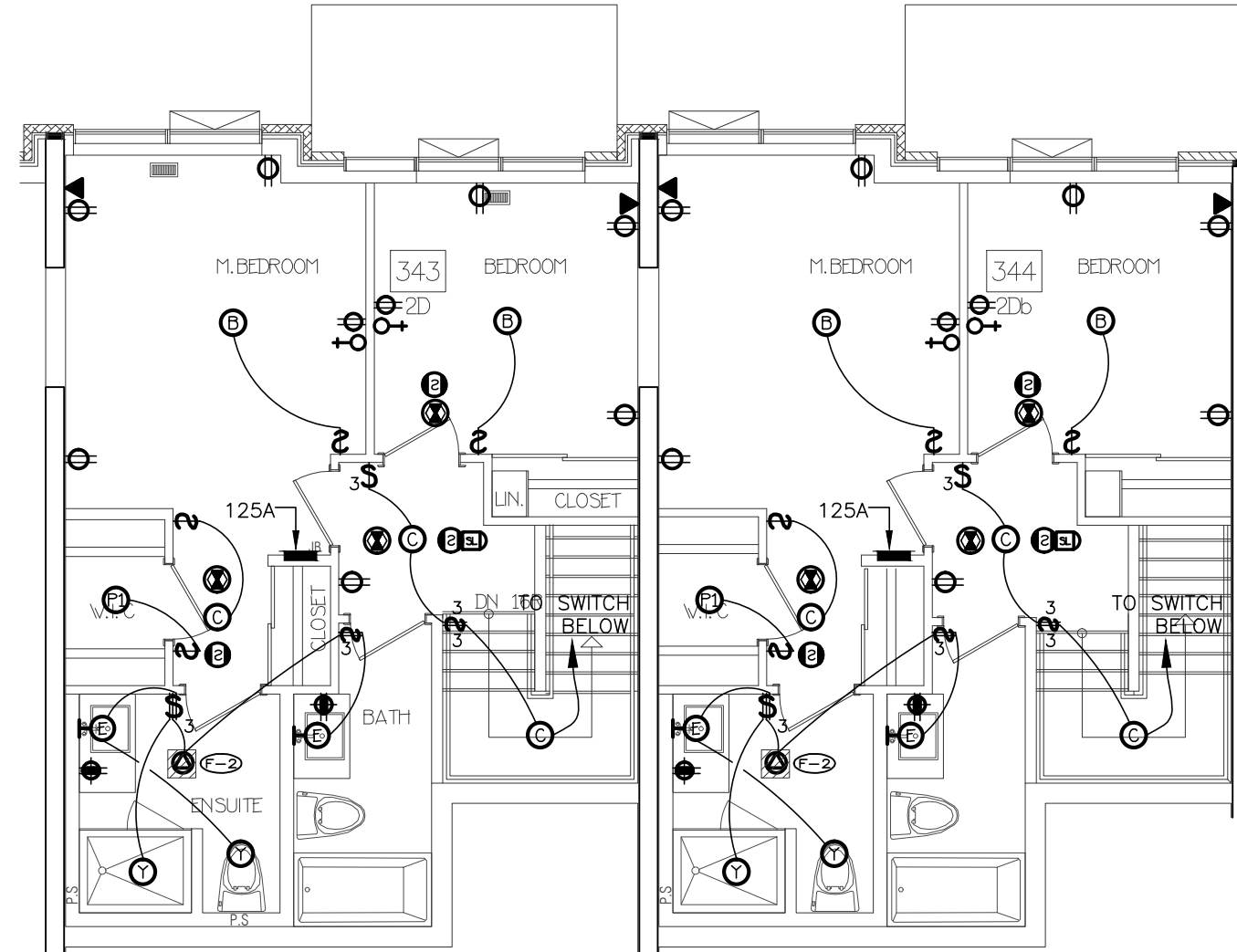
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UPPER LEVEL



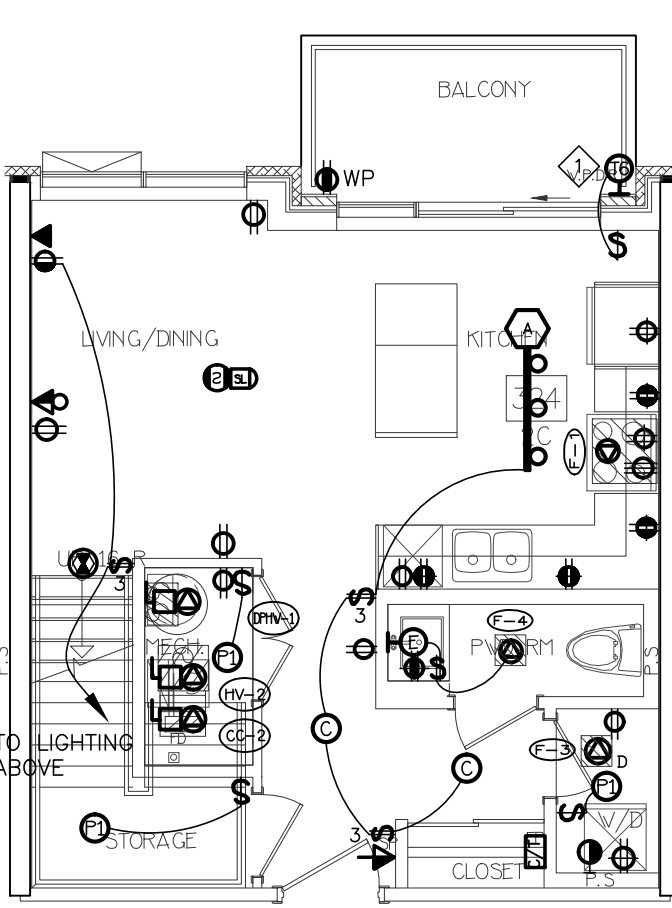
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UPPER LEVEL



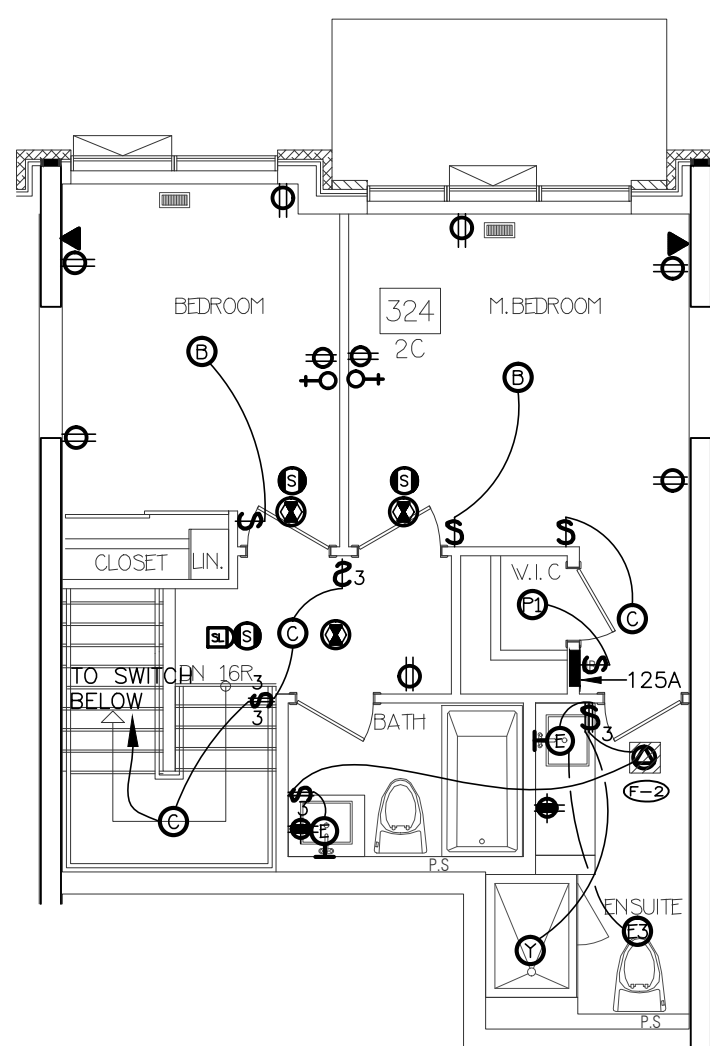
13 SUITE LAYOUT TYPE 2D & 2Db  
LOWER LEVEL



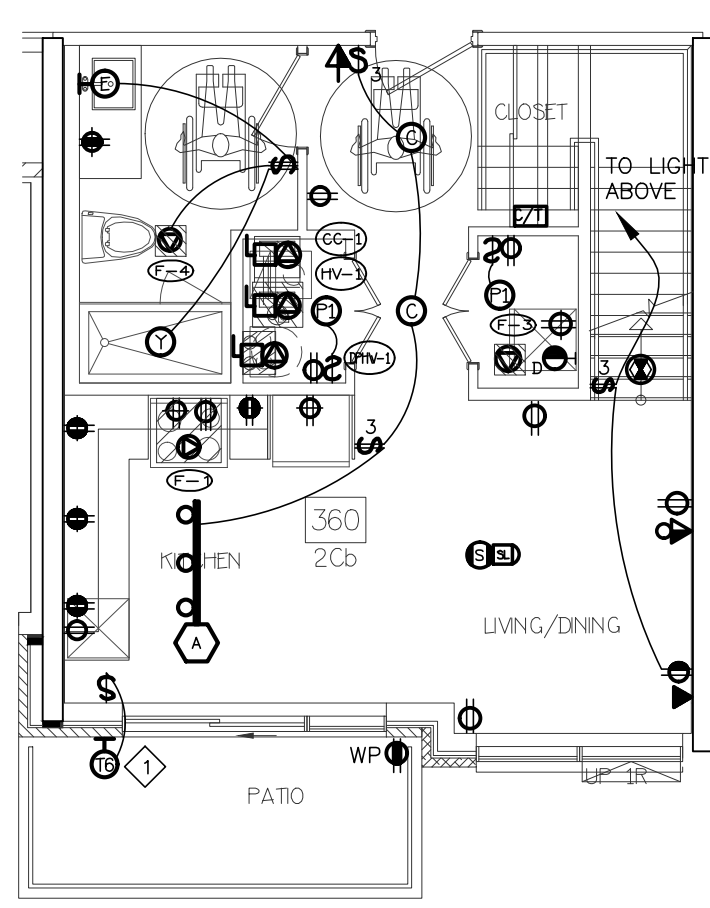
14 SUITE LAYOUT TYPE 2D & 2Db  
UPPER LEVEL



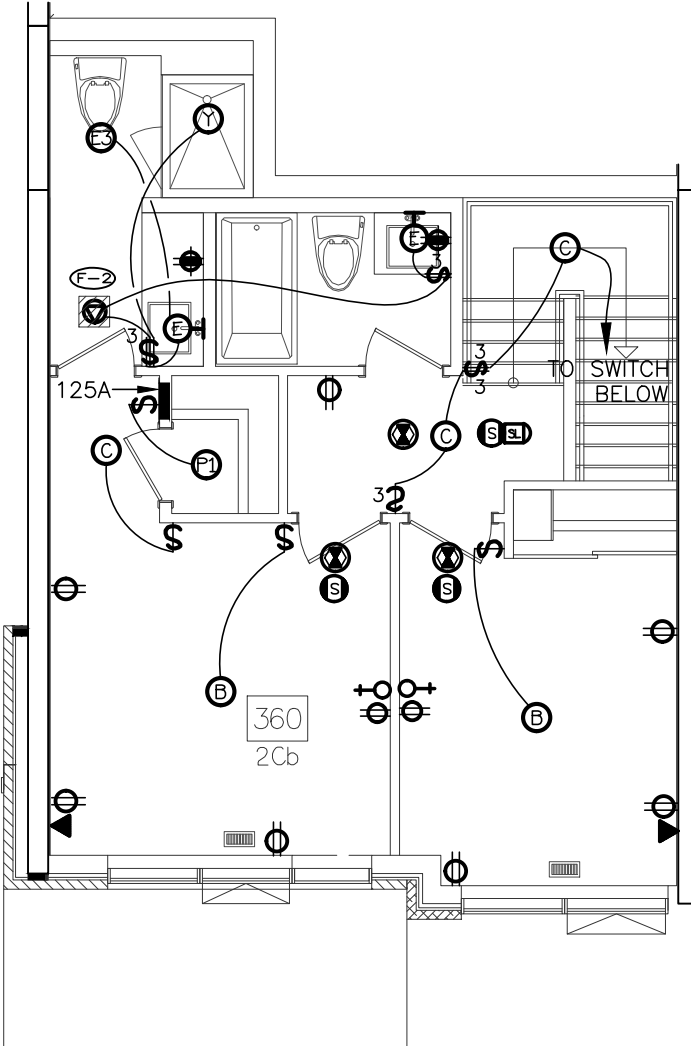
7 SUITE LAYOUT TYPE 2C & 2Ca  
LOWER LEVEL



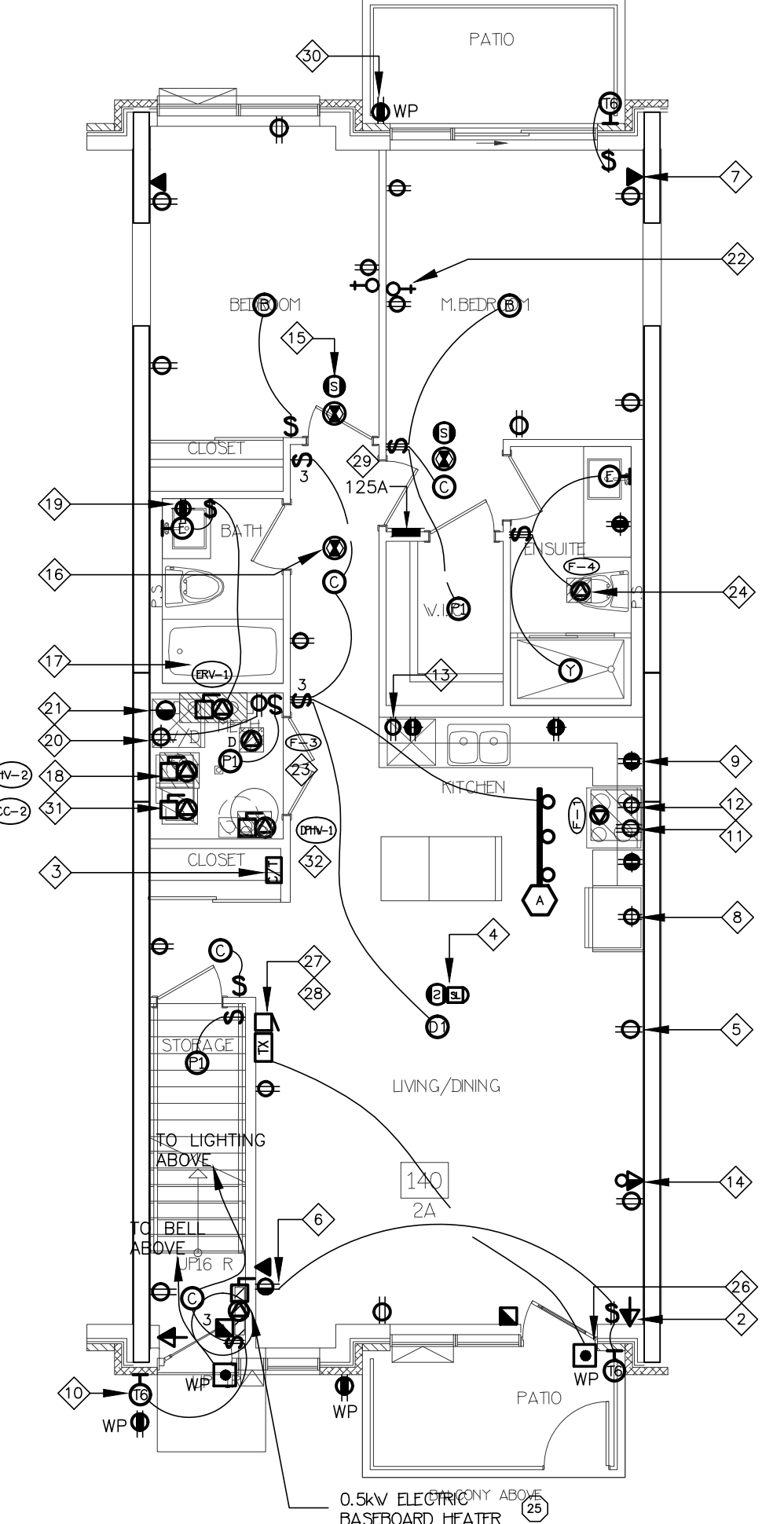
8 SUITE LAYOUT TYPE 2C & 2Ca  
UPPER LEVEL



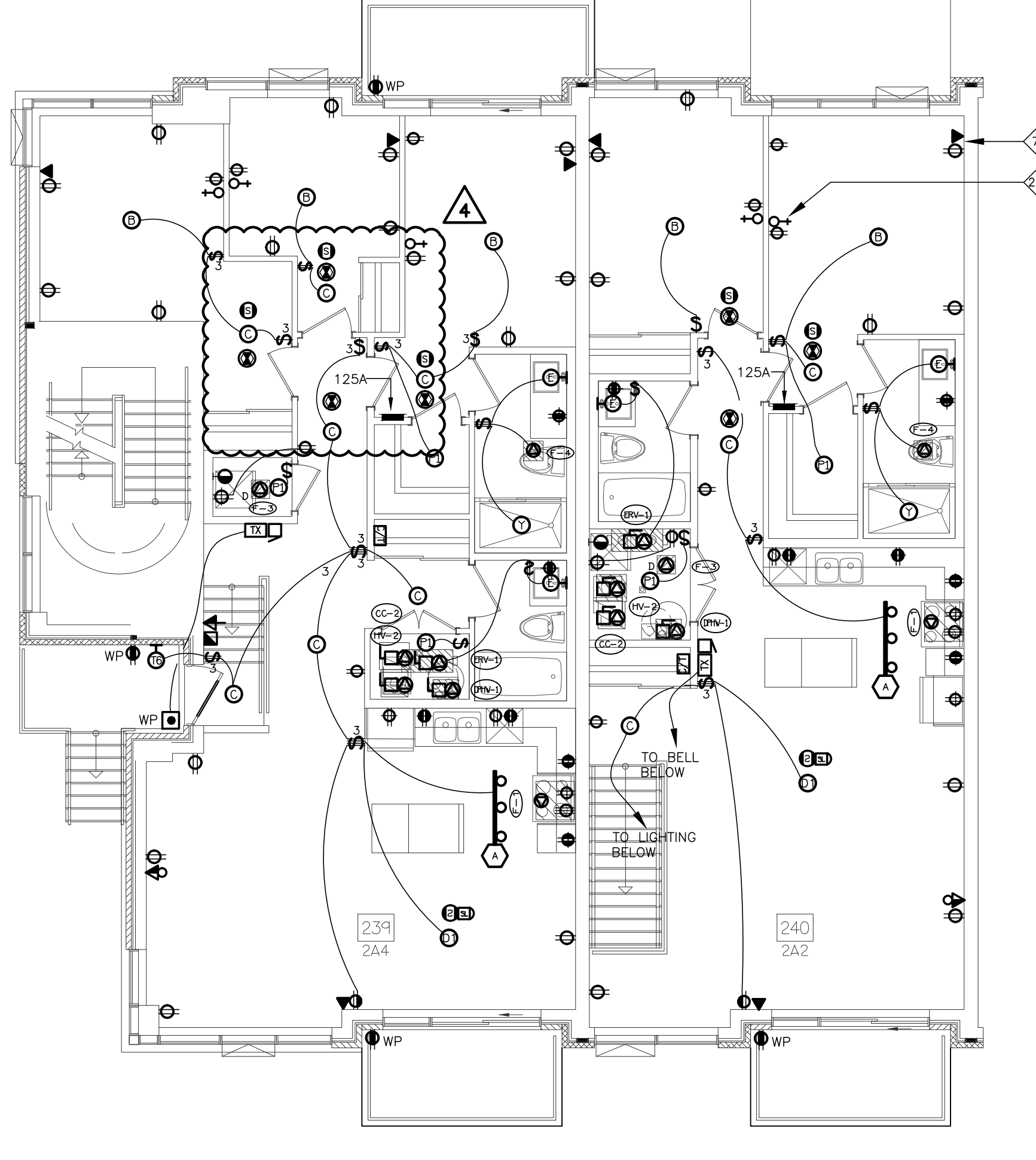
9 SUITE LAYOUT TYPE 2Cb  
LOWER LEVEL



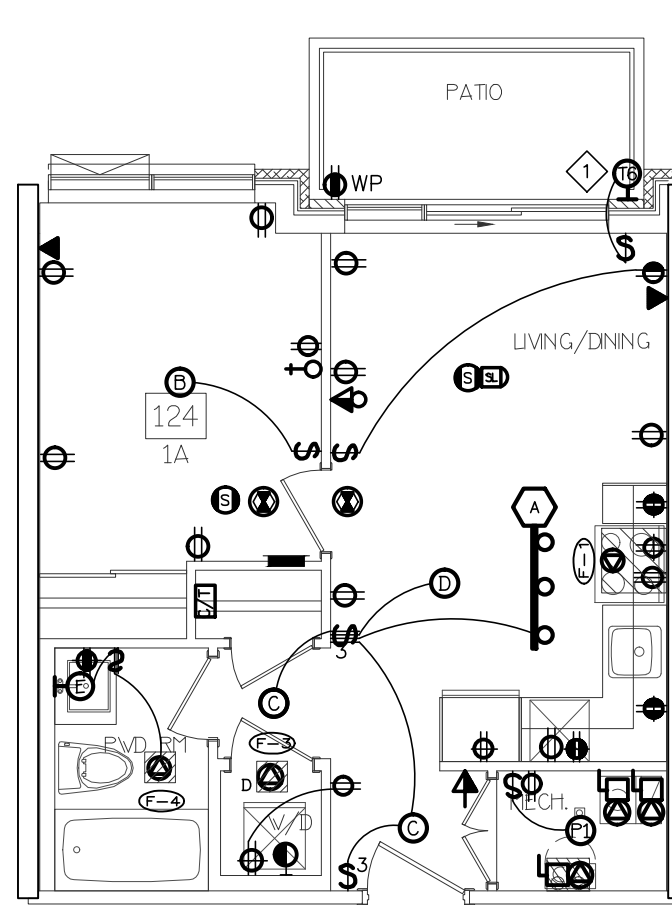
10 SUITE LAYOUT TYPE 2Cb  
UPPER LEVEL



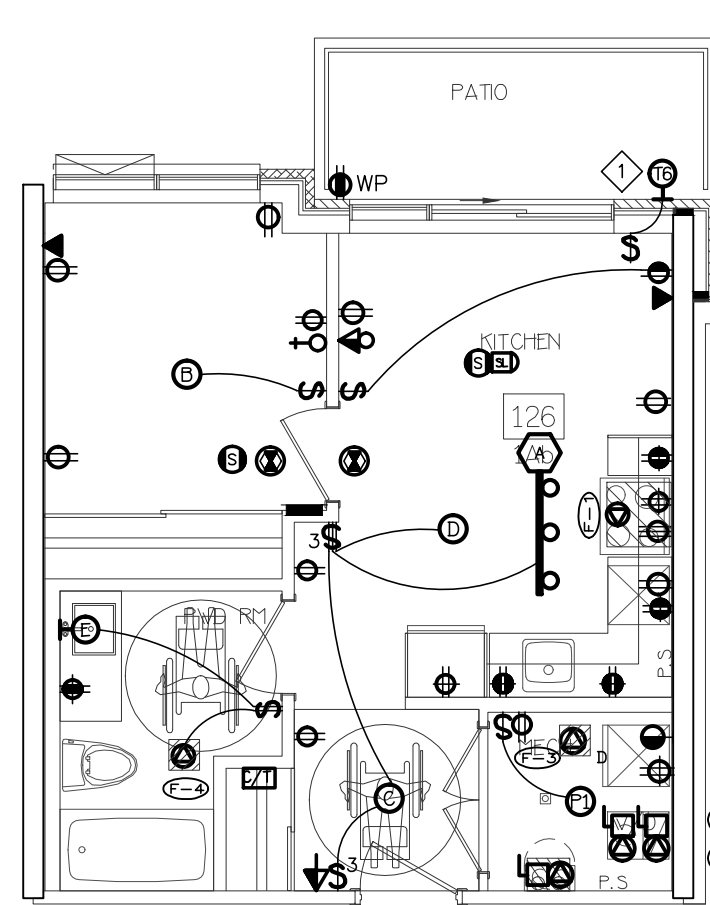
1 SUITE LAYOUT TYPE 2A & 2A2  
GROUND FLOOR



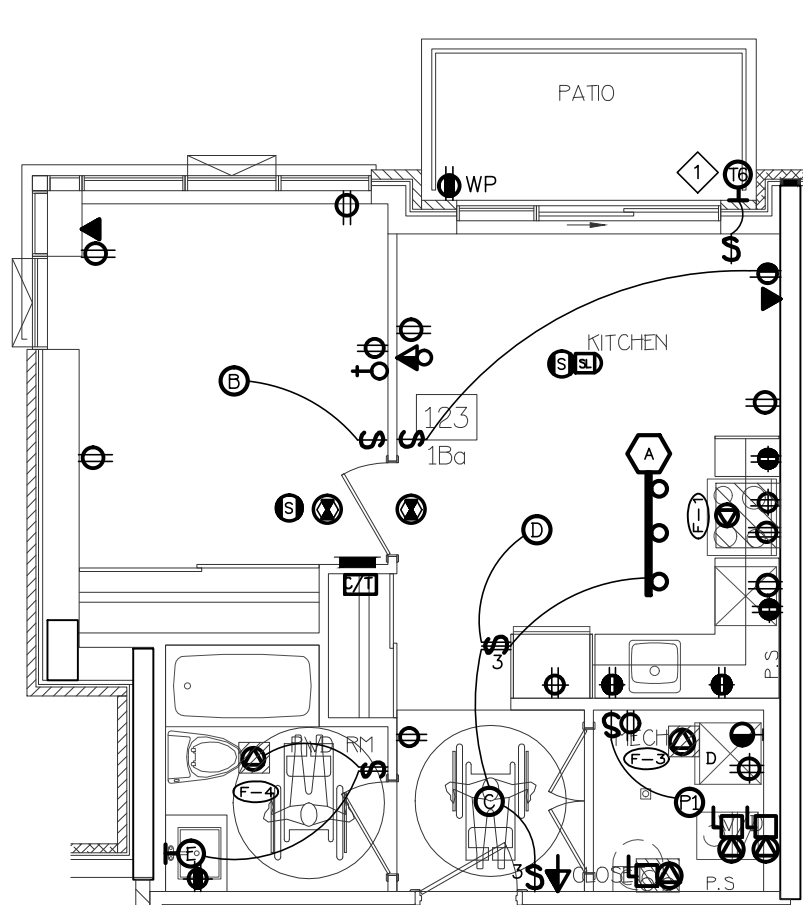
2 SUITE LAYOUT TYPE 2Aa & 2A2  
SECOND FLOOR



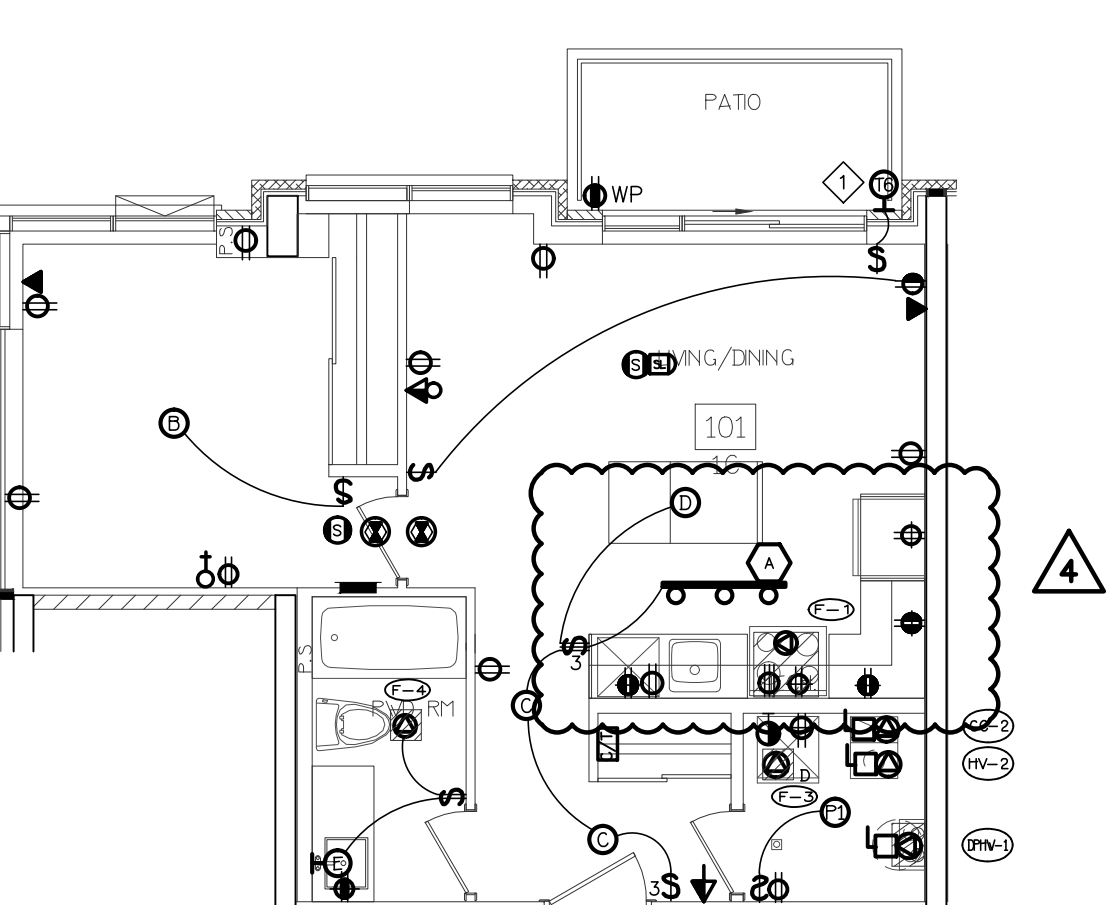
3 SUITE LAYOUT TYPE 1A & 1Aa  
ONE FLOOR LEVEL



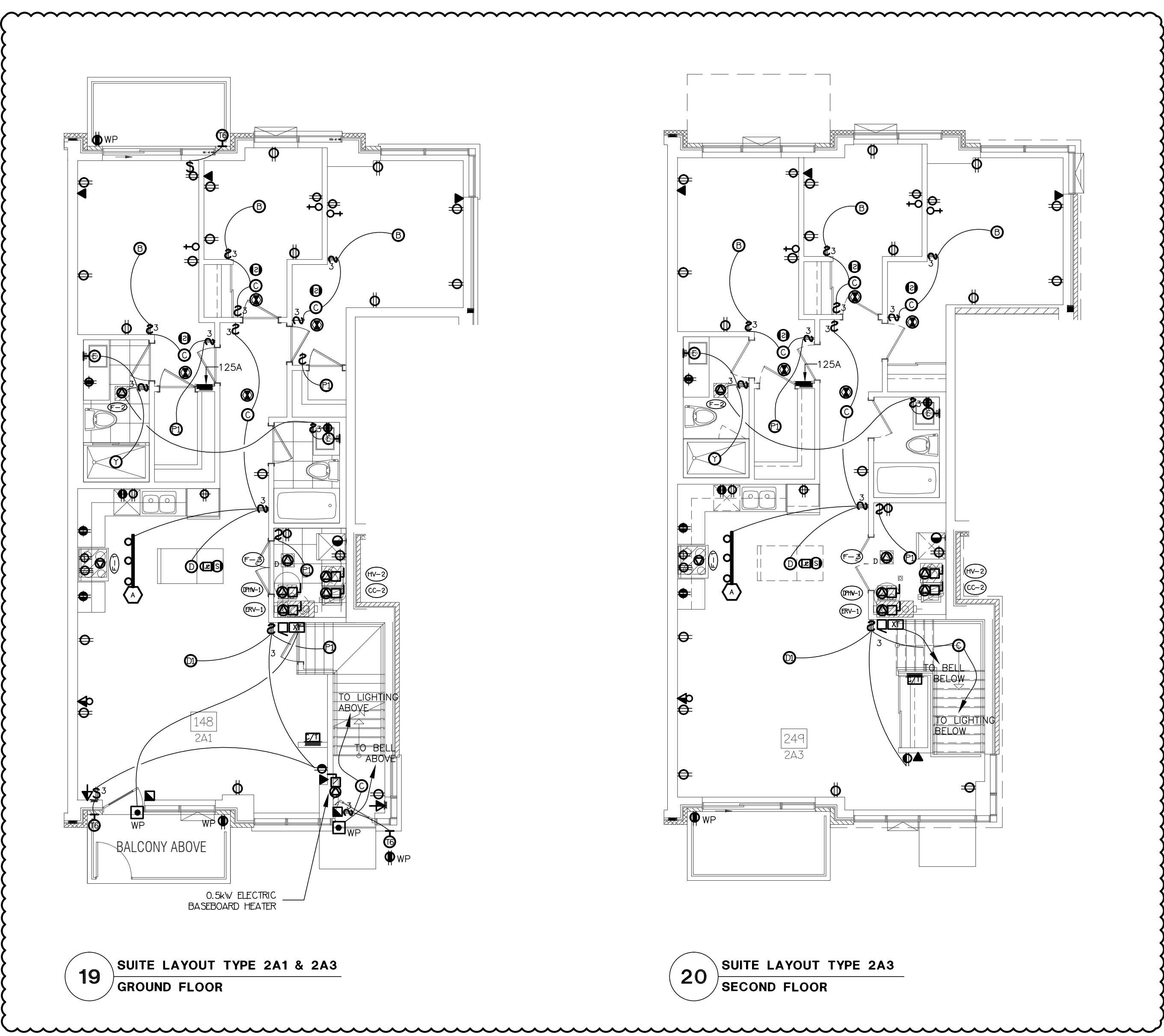
4 SUITE LAYOUT TYPE 1Ab  
ONE FLOOR LEVEL



5 SUITE LAYOUT TYPE 1Ba  
ONE FLOOR LEVEL



6 SUITE LAYOUT TYPE 1C  
ONE FLOOR LEVEL



19 SUITE LAYOUT TYPE 2A1 & 2A3  
GROUND FLOOR

20 SUITE LAYOUT TYPE 2A3  
SECOND FLOOR

## KEY NOTES

◇ PATIO EXTERIOR LIGHTING ONLY ON GROUND FLOOR

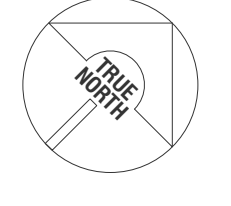
## SUITES' KEY NOTES (TYPICAL)

- NOT USED
  - SUITE INTRUSION ALARM AND KEYPAD WITH DIGITAL DISPLAY
  - IN SUITE TELEPHONE/TV COMBO DISTRIBUTION PANEL
  - CEILING MOUNTED FIRE ALARM COMBINATION SPEAKER/STROBE LIGHT
  - 120V U-GROUND DUPLEX RECEPTACLE FOR GENERAL PURPOSES
  - 120V U-GROUND DUPLEX RECEPTACLE WITH ONE HALF SWITCH CONTROLLED
  - WALL MOUNTED TELEPHONE OUTLET
  - 120V, 15A, RECEPTACLE FOR FRIDGE
  - 120V, 20A, T-SLOT RECEPTACLE MOUNTED ABOVE COUNTER TOP (ALL RECEPTACLES LOCATED WITHIN 1.0M OF KITCHEN SINKS ALONG THE WALL BEHIND THE COUNTERS SHALL BE PROTECTED BY GFI BREAKERS OF THE CLASS A TYPE)
  - TOWNHOUSE EXTERIOR LIGHTING TYPE TO BE CONFIRMED (TYPICAL), REFER TO ARCHITECTURE ELEVATION DRAWING FOR EXACT LOCATION AND QUANTITY
  - 250V, 1A, 4W, 50A, RECEPTACLE FOR RANGE, CONNECT WITH 3/8"10 BX OR 3/8"10 THW-19MM CONDUIT
  - RECEPTACLE FOR KITCHEN MICROWAVE AND EXHAUST FAN
  - 120V U-GROUND DUPLEX RECEPTACLE FOR DISHWASHER
  - WALL MOUNTED COMBINATION TV/TELEPHONE OUTLET
  - CEILING MOUNTED FIRE ALARM SPEAKER
  - CEILING MOUNTED 120V SMOKE ALARM/CARBON MONOXIDE COMBO DETECTOR
- ALL DETECTORS WITHIN SAME SUITE TO BE INTERCONNECTED AND HAVE A VISUAL SIGNALING COMPONENT IN ACCORDANCE WITH OBC
- DIRECT CONNECTION FOR ERV UNIT AT HIGH LEVEL, PROVIDE RECEPTACLES IF REQUIRED, REFER TO MECHANICAL DRAWING FOR MORE DETAILS
  - DIRECT CONNECTION FOR AIR HANDLE UNIT, REFER TO MECHANICAL DRAWING FOR MORE DETAILS
  - 120V U-GROUND DUPLEX GFI RECEPTACLE FOR WASHROOM
  - 120V, 15A, RECEPTACLE FOR WASHER
  - 250V, 1A, 4W, 30A, RECEPTACLE FOR DRYER, CONNECT TO 3/8"10 BX OR 3/8"10 THW-19MM CONDUIT
  - WALL MOUNTED TV OUTLET
  - DIRECT CONNECTION FOR DRYER EXHAUST FAN
  - DIRECT CONNECTION FOR WASHROOM EXHAUST FAN
  - RECESSED TYPE 0.5KW HEATER
  - PUSH BUTTON (DOOR RINGER)
  - SIGNAL TRANSFER
  - SIGNAL BUZZER
  - FLUSH MOUNTED SUITE SERVICE PANEL, SEE DRAWING E-13 FOR SUITE PANEL SCHEDULE
  - 120V U-GROUND DUPLEX GFI, WEATHER PROOF RECEPTACLE IN BALCONY (TYPICAL FOR 1ST FLOOR AND EXTERIOR BALCONY ONLY)
  - 120V U-GROUND DUPLEX WEATHER PROOF RECEPTACLE IN BALCONY (TYPICAL FOR 2ND TO 4TH FLOOR)
  - DIRECT CONNECTION FOR CONDENSING UNIT/COOLING COIL, LOCATION OF CONDENSING UNIT SHOWN IN DRAWING E-2A/2B & E-7A/7B, REFER TO MECHANICAL DRAWING FOR MORE DETAILS, CONFIRM EXACT FEEDER REQUIREMENT WITH UNIT SHOP DRAWING
  - DIRECT CONNECTION FOR CONDENSING COMBI BOILER, REFER TO MECHANICAL DRAWING FOR MORE DETAILS
- NOTES:  
ALSO REFER TO TYPICAL SUITES NOTES ON DRAWING E-xx. (ALL RECEPTACLES SHALL BE PROTECTED BY AFC-I/MC INTERRUPTERS)

| NO. | BY | DESCRIPTION        | DATE          |
|-----|----|--------------------|---------------|
| 04  | SP | ISSUED FOR ADD E-3 | JAN. 19, 2021 |
| 03  | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 02  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |

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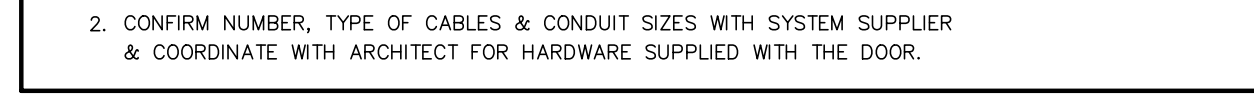
**UNITED ENGINEERING INC.**  
Mechanical Electrical Consulting Engineers  
3645 Keele Street, Suite 105,  
Toronto, Ontario, M3J 1M6  
Tel: (416) 398 1995, Fax: (416) 398 1933

TITLE  
**TYPICAL SUITE LAYOUT  
ELECTRICAL**

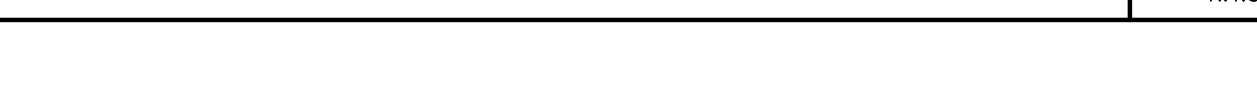
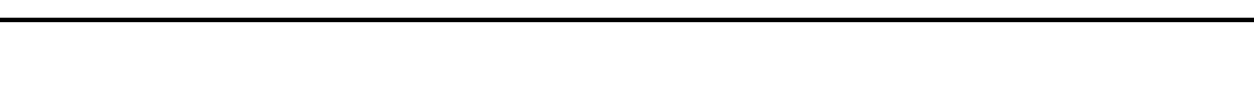
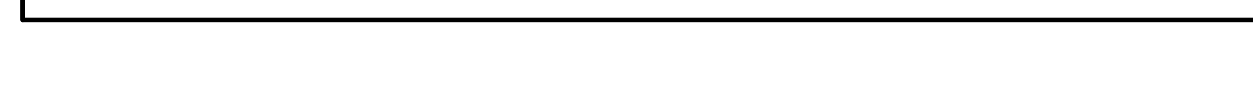
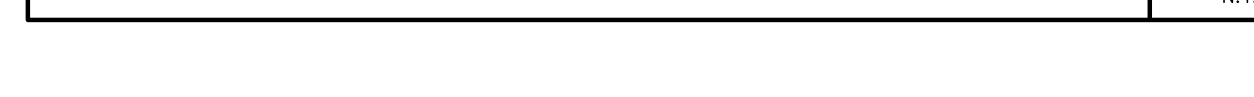
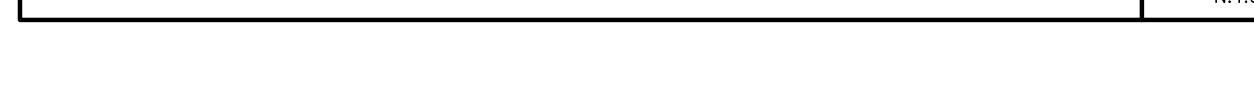
PROJECT  
**BRAMPTON STACKED  
FORESTSIDE ESTATES**

ATTMAR + PALLESCHI DRIVE  
BRAMPTON, ONTARIO

|                   |                   |                |
|-------------------|-------------------|----------------|
| DRAWN<br>SP       | CHECKED<br>MG     | SCALE<br>1:75  |
| DATE<br>MAY, 2019 | PROJECT<br>18-017 | DRAWING<br>E-8 |
|                   |                   | OF<br>16       |



|                                 |                  |
|---------------------------------|------------------|
| <b>ELECTRIC HEATER SCHEDULE</b> | SCALE:<br>N.T.S. |
|---------------------------------|------------------|

[illegible]

|    |    |                    |               |
|----|----|--------------------|---------------|
| 03 | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 02 | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 01 | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |

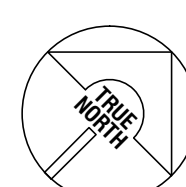
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 Toronto, Ontario, M3J 1M6  
 Tel: (416) 398 1999, Fax: (416) 398 1933

TITLE DETAILS A ELECTRICAL

PROJECT

BRAMPTON STACKED  
FORESTSIDE ESTATES

ATTMAR + PALLESCHI DRIVE  
BRANTFORD, ONTARIO

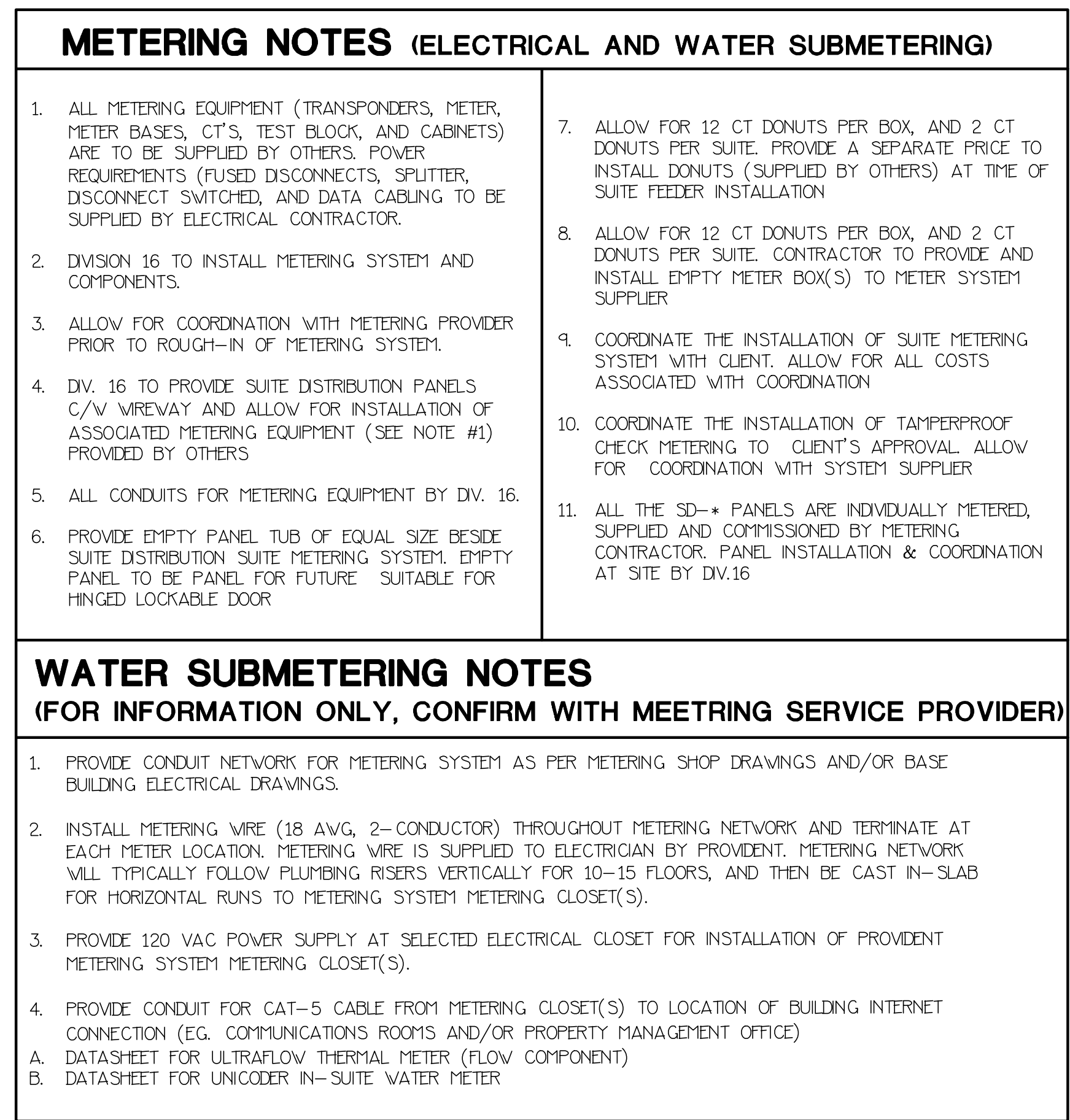
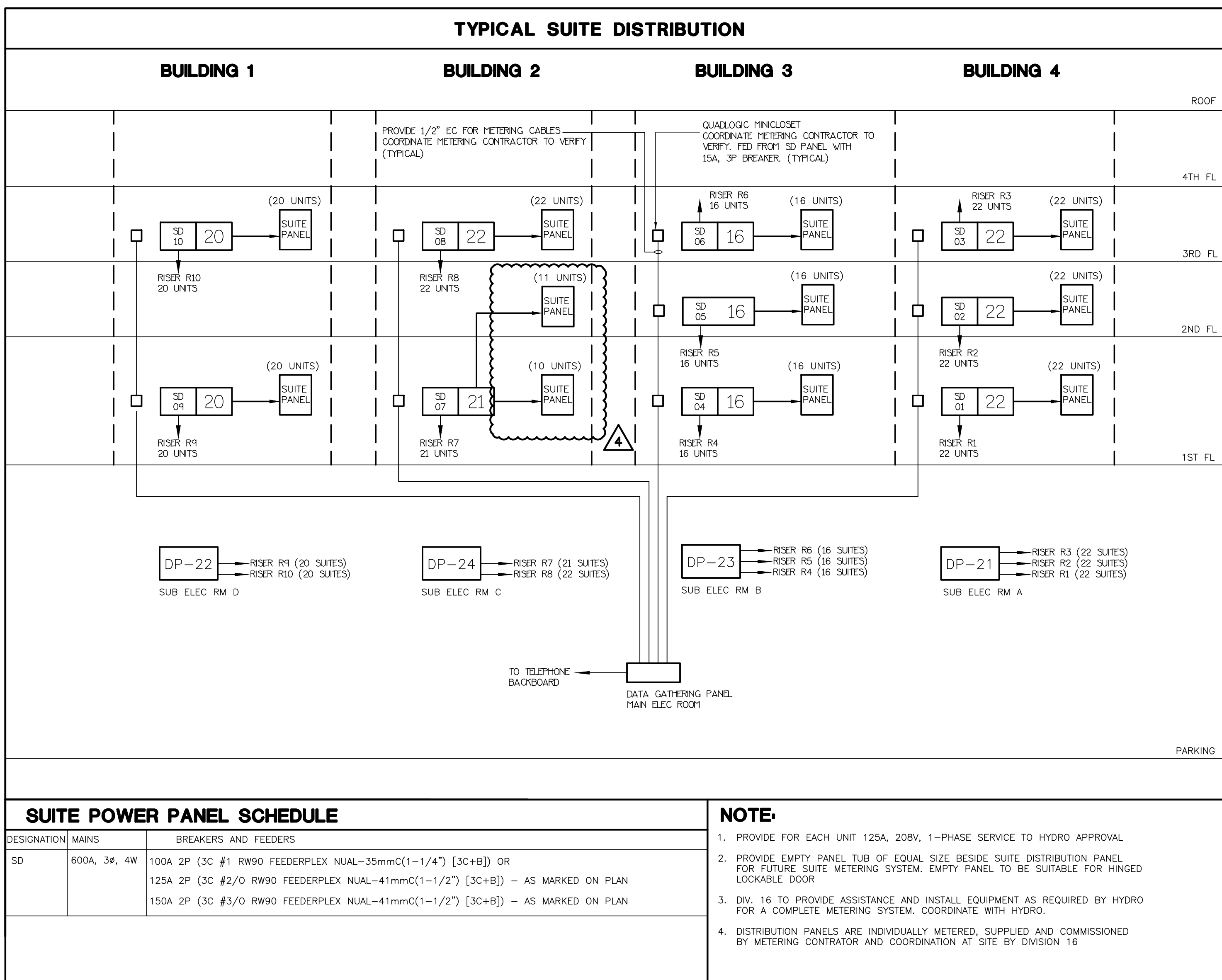
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| DATE<br><br>MAY, 2019 | PROJECT<br><br><b>18-017</b> | DRAWING<br><b>E-9A</b> |
|                       |                              | OF<br><b>16</b>        |



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|     |    |                    |  |               |      |
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|     |    |                    |  |               |      |
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|     |    |                    |  |               |      |
| 04  | SP | ISSUED FOR ADD E-3 |  | JAN. 19, 2020 |      |
| 03  | SP | ISSUED FOR PERMIT  |  | SEP. 28, 2020 |      |
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| 01  | SP | ISSUED FOR TENDER  |  | AUG. 02, 2019 |      |
| NO. | BY | DESCRIPTION        |  |               | DATE |

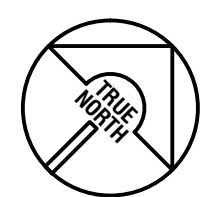
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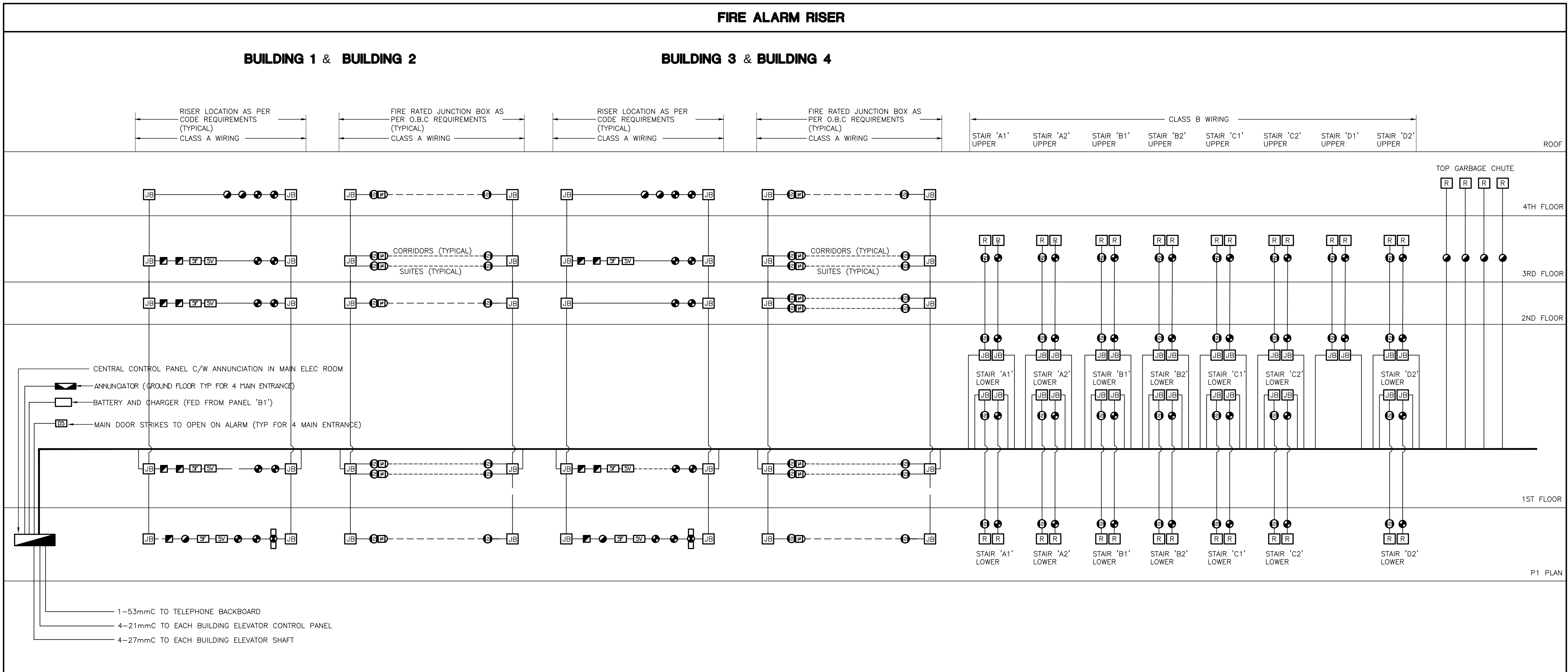
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|-------|----------------------|
| TITLE | RISERS<br>ELECTRICAL |
|-------|----------------------|

BRAMPTON STACKED  
FORESTSIDE ESTATES

ATTMAR + PALLESCHI DRIVE  
BRAMPTON, ONTARIO

|                       |                              |                        |
|-----------------------|------------------------------|------------------------|
| DRAWN<br>SP           | CHECKED<br>MG                | SCALE<br><b>NTS</b>    |
| DATE<br><br>MAY, 2019 | PROJECT<br><br><b>18-017</b> | DRAWING<br><b>E-10</b> |
|                       |                              | OF<br><b>16</b>        |

| FIRE ALARM SCHEDULE |                                                          |
|---------------------|----------------------------------------------------------|
| ALARM ZONES         |                                                          |
| CCT #               | DESCRIPTION                                              |
| 1                   | PARKING GARAGE - P1                                      |
| 2                   | PARKING GARAGE - P1                                      |
| 3                   | ELEVATOR LOBBY BUILDING 1 - P1                           |
| 4                   | ELEVATOR LOBBY BUILDING 2 - P1                           |
| 5                   | ELEVATOR LOBBY BUILDING 3 - P1                           |
| 6                   | ELEVATOR LOBBY BUILDING 4 - P1                           |
| 7                   | MAIN ELECTRICAL ROOM - P1 LEVEL                          |
| 8                   | SUB-ELECTRICAL ROOM A - P1 LEVEL                         |
| 9                   | SUB-ELECTRICAL ROOM B - P1 LEVEL                         |
| 10                  | SUB-ELECTRICAL ROOM C - P1 LEVEL                         |
| 11                  | SUB-ELECTRICAL ROOM D - P1 LEVEL                         |
| 12                  | COMMUNICATION ROOM - P1 LEVEL                            |
| 13                  | MECHANICAL ROOM - P1 LEVEL                               |
| 14                  | SPARE                                                    |
| 15                  | GENERATOR ROOM - P1 LEVEL                                |
| 16                  | GARBAGE ROOM - P1 LEVEL                                  |
| 17                  | GARBAGE ROOM - P1 LEVEL                                  |
| 18                  | GARBAGE ROOM - P1 LEVEL                                  |
| 19                  | GARBAGE ROOM - P1 LEVEL                                  |
| 20-23               | 1ST FLOOR TO 4TH FLOOR (BUILDING 1)                      |
| 24-28               | 1ST FLOOR TO 4TH FLOOR (BUILDING 2)                      |
| 29                  | SPARE                                                    |
| 31-34               | 1ST FLOOR TO 4TH FLOOR (BUILDING 3)                      |
| 35                  | ELEVATOR SHAFT (BUILDING 3)                              |
| 36-39               | 1ST FLOOR TO 4TH FLOOR (BUILDING 4)                      |
| 40                  | ELEVATOR SHAFT (BUILDING 4)                              |
| 41                  | STAIR 'A1' UPPER STAIR                                   |
| 42                  | STAIR 'A1' TOP OF UPPER STAIR                            |
| 43                  | STAIR 'A1' LOWER STAIR                                   |
| 44                  | STAIR 'A1' TOP OF LOWER STAIR                            |
| 45                  | STAIR 'A2' UPPER STAIR                                   |
| 46                  | STAIR 'A2' TOP OF UPPER STAIR                            |
| 47                  | STAIR 'A2' LOWER STAIR                                   |
| 48                  | STAIR 'A2' TOP OF LOWER STAIR                            |
| 49                  | STAIR 'B1' UPPER STAIR                                   |
| 50                  | STAIR 'B1' TOP OF UPPER STAIR                            |
| 51                  | STAIR 'B1' LOWER STAIR                                   |
| 52                  | STAIR 'B1' TOP OF LOWER STAIR                            |
| 53                  | STAIR 'B2' UPPER STAIR                                   |
| 54                  | STAIR 'B2' TOP OF UPPER STAIR                            |
| 55                  | STAIR 'B2' LOWER STAIR                                   |
| 56                  | STAIR 'B2' TOP OF LOWER STAIR                            |
| 57                  | STAIR 'C1' UPPER STAIR                                   |
| 58                  | STAIR 'C1' TOP OF UPPER STAIR                            |
| 59                  | STAIR 'C1' LOWER STAIR                                   |
| 60                  | STAIR 'C1' TOP OF LOWER STAIR                            |
| 61                  | STAIR 'C2' UPPER STAIR                                   |
| 62                  | STAIR 'C2' TOP OF UPPER STAIR                            |
| 63                  | STAIR 'C2' LOWER STAIR                                   |
| 64                  | STAIR 'C2' TOP OF LOWER STAIR                            |
| 65                  | STAIR 'D1' UPPER STAIR                                   |
| 66                  | STAIR 'D1' TOP OF UPPER STAIR                            |
| 67                  | STAIR 'D2' UPPER STAIR                                   |
| 68                  | STAIR 'D2' TOP OF UPPER STAIR                            |
| 69                  | STAIR 'D2' LOWER STAIR                                   |
| 70                  | STAIR 'D2' TOP OF LOWER STAIR                            |
| 71                  | FRESH AIR UNIT DUCT DETECTOR (BUILDING 1)                |
| 72                  | FRESH AIR UNIT DUCT DETECTOR (BUILDING 2)                |
| 73                  | FRESH AIR UNIT DUCT DETECTOR (BUILDING 3)                |
| 74                  | FRESH AIR UNIT DUCT DETECTOR (BUILDING 4)                |
| 75                  | SPARE                                                    |
| 76                  | MAIN SPRINKLER FLOW ALARM                                |
| 77                  | PARKING GARAGE LEVEL-1 SPRINKLER FLOW ALARM              |
| 78                  | WET SPRINKLER LINE TO GARBAGE ROOM FLOW ALARM            |
| 79                  | WET SPRINKLER LINE TO GARBAGE ROOM FLOW ALARM            |
| 80                  | WET SPRINKLER LINE TO GARBAGE ROOM FLOW ALARM            |
| 81                  | WET SPRINKLER LINE TO GARBAGE ROOM FLOW ALARM            |
| 82                  | SPARE                                                    |
| 83                  | BUILDING 1 SPRINKLER SYSTEM FLOW ALARM                   |
| 84                  | BUILDING 2 SPRINKLER SYSTEM FLOW ALARM                   |
| 85                  | BUILDING 3 SPRINKLER SYSTEM FLOW ALARM                   |
| 86                  | BUILDING 4 SPRINKLER SYSTEM FLOW ALARM                   |
| 87                  | SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM (BUILDING 1) |
| 88                  | SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM (BUILDING 2) |
| 89                  | SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM (BUILDING 3) |
| 90                  | SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM (BUILDING 4) |
| 91                  | SPARE                                                    |
| 92                  | SPARE                                                    |
| 93                  | SPARE                                                    |
|                     | 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             | GEN-SET-COMMON TROUBLE                                 |
| 4             | GENERATOR BREAKER "OFF"                                |
| 5             | GENERATOR RUNNING                                      |
| 6             | LOSS OF PRESSURE OF INCOMING GAS LINE FOR GENSET       |
| 7             | LOSS OF PRESSURE OF GAS LINE TO GENSET                 |
| 8             | FIRE LINES TRACING POWER LOSS                          |
| 9             | COMPRESSOR LOSS OF POWER                               |
| 10            | COMPRESSOR LOSS OF AIR                                 |
| 11-12         | DRY SPRINKLER LOSS OF AIR PRESSURE IN P1 PARKING LEVEL |
| 13            | TRANSFER SWITCH #1 NOT IN 'AUTO'                       |
| 14            | LOW TEMP. T-STAT IN MECHANICAL ROOM - P1 LEVEL         |
| 15            | HIGH CO LEVEL DETECTION IN PARKING GARAGE              |
| 16            | PIPE TRACING LOSS OF POWER **                          |
| 17            | SNOW MELTING LOSS OF POWER **                          |
|               | SPARE 25%                                              |
|               | ** NUMBER OF ZONES TO SUIT CODE REQUIREMENT            |

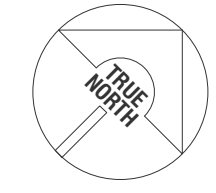
| FIRE ALARM RISER NOTES |                                                                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 CODES AND TSSA REQUIREMENTS.                                                                                                   |
| 10.                    | ADD CONTROL PANEL EXPANSION BOX AS PER MANUFACTURERS RECOMMENDATIONS AND SYSTEM REQUIREMENTS WITHIN BUILDING CACF TO HAVE A COMPLETE AND FULLY FUNCTIONAL INTERGRATED 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 FIRE SYSTEM,                                                                                                                                                                              |
|                        | • LOSS OF POWER TO AN AUTOMATICALLY STARTING FIRE PUMP,                                                                                                                                                                   |
|                        | • A TEMPERATURE APPROACHING THE FREEZING POINT OF 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 AIRFLOW SMOKE EXHAUST SYSTEM. |
| 2.                        | PROVIDE FAN SHUT-DOWN RELAYS TO DE-ENERGIZE ALL SUPPLY AIR FANS (EXCEPT MUA'S TO PUBLIC CORRIDOR) ON FIRE ALARM MUA'S TO PROVIDE MAKE UP AIR TO PUBLIC CORRIDOR TO REMAIN OPERATIONAL AFTER THE ACTIVATION OF THE 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(15).                                                                                        |

| ELECTRICALLY SUPERVISED VALVE SCHEDULE                                                             |                                              |                        |                      |                                            |                        |
|----------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------|----------------------|--------------------------------------------|------------------------|
| SUPERVISED VALVE NO.                                                                               | SYSTEM                                       | LOCATION               | SUPERVISED VALVE NO. | SYSTEM                                     | LOCATION               |
| <b>&lt;SV#1&gt;</b>                                                                                | INLET DOUBLE CHECK VALVE ASSEMBLY ISOLATION  | METER ROOM             | <b>&lt;SV#8&gt;</b>  | BUILDING '3' GARAGE CHUTE SYSTEM ISOLATION | PARKING GARAGE         |
| <b>&lt;SV#2&gt;</b>                                                                                | OUTLET DOUBLE CHECK VALVE ASSEMBLY ISOLATION | METER ROOM             | <b>&lt;SV#17&gt;</b> | BUILDING '3' SPRINKLER SYSTEM ISOLATION    | BUILDING '3' 1ST FLOOR |
| <b>&lt;SV#3&gt;</b>                                                                                | WET SYSTEM ISOLATION                         | METER ROOM             | <b>&lt;SV#8&gt;</b>  | ISOLATION FSP BUILDING 2                   | PARKING GARAGE         |
| <b>&lt;SV#4&gt;</b>                                                                                | P-1 LEVEL WEST U/O GARAGE DRY SPRINKLERS     | METER ROOM             | <b>&lt;SV#15&gt;</b> | ISOLATION FSP BUILDING 2                   | PARKING GARAGE         |
| <b>&lt;SV#5&gt;</b>                                                                                | P-1 LEVEL WEST U/O GARAGE DRY SPRINKLERS     | METER ROOM             | <b>&lt;SV#20&gt;</b> | ISOLATION FSP BUILDING 2                   | PARKING GARAGE         |
| <b>&lt;SV#6&gt;</b>                                                                                | ISOLATION FSP BUILDING 4                     | PARKING GARAGE         | <b>&lt;SV#21&gt;</b> | ISOLATION FSP PARKING GARAGE               | PARKING GARAGE         |
| <b>&lt;SV#7&gt;</b>                                                                                | ISOLATION FSP BUILDING 4                     | PARKING GARAGE         | <b>&lt;SV#22&gt;</b> | BUILDING '2' GARAGE CHUTE SYSTEM ISOLATION | PARKING GARAGE         |
| <b>&lt;SV#8&gt;</b>                                                                                | ISOLATION FSP BUILDING 4                     | PARKING GARAGE         | <b>&lt;SV#23&gt;</b> | BUILDING '2' SPRINKLER SYSTEM ISOLATION    | BUILDING '2' 1ST FLOOR |
| <b>&lt;SV#9&gt;</b>                                                                                | ISOLATION FSP PARKING GARAGE                 | PARKING GARAGE         | <b>&lt;SV#24&gt;</b> | ISOLATION FSP BUILDING 1                   | PARKING GARAGE         |
| <b>&lt;SV#10&gt;</b>                                                                               | BUILDING '4' GARAGE CHUTE SYSTEM ISOLATION   | PARKING GARAGE         | <b>&lt;SV#25&gt;</b> | ISOLATION FSP BUILDING 1                   | PARKING GARAGE         |
| <b>&lt;SV#11&gt;</b>                                                                               | BUILDING '4' SPRINKLER SYSTEM ISOLATION      | BUILDING '4' 1ST FLOOR | <b>&lt;SV#26&gt;</b> | ISOLATION FSP BUILDING 1                   | PARKING GARAGE         |
| <b>&lt;SV#12&gt;</b>                                                                               | ISOLATION FSP BUILDING 3                     | PARKING GARAGE         | <b>&lt;SV#27&gt;</b> | ISOLATION FSP PARKING GARAGE               | PARKING GARAGE         |
| <b>&lt;SV#13&gt;</b>                                                                               | ISOLATION FSP BUILDING 3                     | PARKING GARAGE         | <b>&lt;SV#28&gt;</b> | BUILDING '1' GARAGE CHUTE SYSTEM ISOLATION | PARKING GARAGE         |
| <b>&lt;SV#14&gt;</b>                                                                               | ISOLATION FSP BUILDING 3                     | PARKING GARAGE         | <b>&lt;SV#29&gt;</b> | BUILDING '1' SPRINKLER SYSTEM ISOLATION    | BUILDING '1' 1ST FLOOR |
| <b>&lt;SV#15&gt;</b>                                                                               | ISOLATION FSP PARKING GARAGE                 | PARKING GARAGE         |                      | SPARE                                      |                        |
|                                                                                                    | SPARE                                        |                        |                      | SPARE 25%                                  |                        |
| <b>NOTE</b>                                                                                        |                                              |                        |                      |                                            |                        |
| 1. PROVIDE ALLOWANCE FOR ADDITIONAL SUPERVISED VALVES UPON SUBMISSION OF 'SPRINKLER SHOP' DRAWINGS |                                              |                        |                      |                                            |                        |

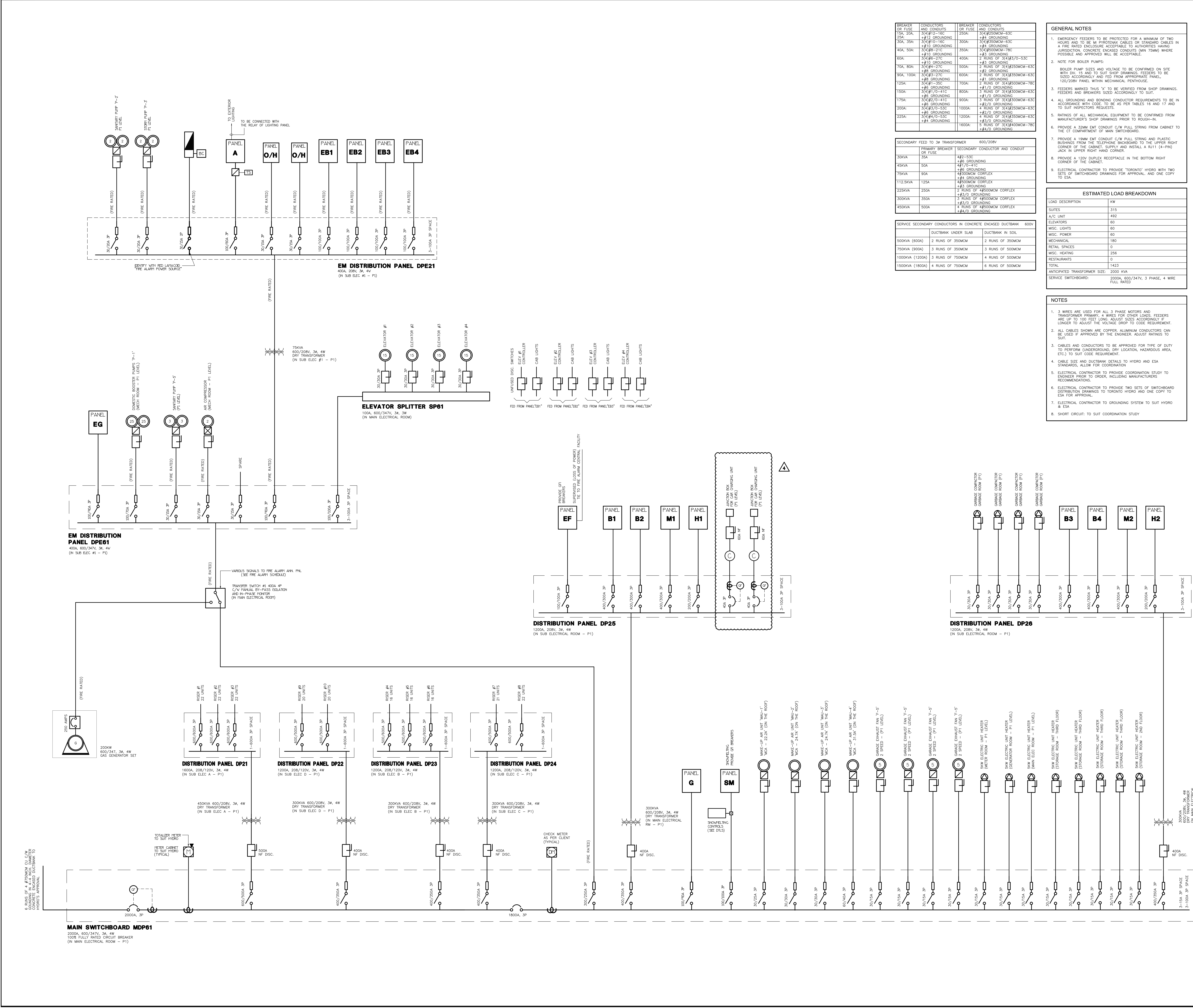
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|     |    |                    |               |
| 04  | SP | ISSUED FOR ADD E-3 | JAN. 19, 2021 |
| 03  | SP | ISSUED FOR PERMIT  | SEP. 28, 2020 |
| 02  | SP | ISSUED FOR ADD E-2 | JUN. 15, 2020 |
| 01  | SP | ISSUED FOR TENDER  | AUG. 02, 2019 |
| 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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| TITLE                                                 |                          | FIRE ALARM SYSTEM<br>ELECTRICAL |                 |
|-------------------------------------------------------|--------------------------|---------------------------------|-----------------|
| PROJECT                                               |                          |                                 |                 |
| <br><b>BRAMPTON STACKED<br/>FORESTSIDE ESTATES</b>    |                          |                                 |                 |
| <b>ATTMAR + PALLESCHI DRIVE<br/>BRAMPTON, ONTARIO</b> |                          |                                 |                 |
| DRAWN<br>SP                                           | CHECKED<br>MG            | SCALE<br><b>NTS</b>             |                 |
| DATE<br>MAY, 2019                                     | PROJECT<br><b>18-017</b> | DRAWING<br><b>E-11</b>          | OF<br><b>16</b> |



| NO. | BY | DESCRIPTION        | DATE          |
|-----|----|--------------------|---------------|
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| REVISIONS |                    |
|-----------|--------------------|
| NO.       | DESCRIPTION        |
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**TITLE**  
SINGLE LINE DIAGRAM  
ELECTRICAL

**PROJECT**  
BRAMPTON STACKED  
FORESTSIDE ESTATES

**ATTMAY + PALLESCHI DRIVE**  
BRAMPTON, ONTARIO

| DRAWN | CHECKED | SCALE | NTS |
|-------|---------|-------|-----|
| SP    | MG      |       |     |

| DATE      | PROJECT | DRAWING | E-12 |
|-----------|---------|---------|------|
| MAY, 2019 | 18-017  | OF      | 16   |

|                            |  |                                                                                       |     |          |     |                     |                        |
|----------------------------|--|---------------------------------------------------------------------------------------|-----|----------|-----|---------------------|------------------------|
| PANEL IDENTIFIER: <b>G</b> |  | SERVICE: 600V/347V, 3ø, 4W<br>MAIN CTT, BRK: -<br>MANS: 225 AMPS SURFACE<br>MOUNTING: |     |          |     | NOTES:<br>LOCATION: |                        |
| LOAD DESCRIPTION           |  | WATTS                                                                                 | BRK | CIRCUITS | BRK | WATTS               | LOAD DESCRIPTION       |
| LIGHTING – GARAGE (P1)     |  | 15A                                                                                   | 1   | 2        | 15A | 1                   | LIGHTING – GARAGE (P1) |
| LIGHTING – GARAGE (P1)     |  | 15A                                                                                   | 3   | 4        | 15A | 1                   | LIGHTING – GARAGE (P1) |
| LIGHTING – GARAGE (P1)     |  | 15A                                                                                   | 5   | 6        | 15A | 1                   | LIGHTING – GARAGE (P1) |
| LIGHTING – GARAGE (P1)     |  | 15A                                                                                   | 7   | 8        | 15A | 1                   | LIGHTING – GARAGE (P1) |
| SPARE                      |  | 15A                                                                                   | 9   | 10       | 15A | 1                   | SPARE                  |
|                            |  | 15A                                                                                   | 11  | 12       | 15A | 1                   |                        |
|                            |  | 15A                                                                                   | 13  | 14       | 15A | 1                   |                        |
|                            |  | 15A                                                                                   | 15  | 16       | 15A | 1                   |                        |
|                            |  | 15A                                                                                   | 17  | 18       | 15A | 1                   |                        |
|                            |  | 15A                                                                                   | 19  | 20       | 15A | 1                   |                        |
|                            |  | 15A                                                                                   | 21  | 22       | 15A | 1                   |                        |
|                            |  | 15A                                                                                   | 23  | 24       | 15A | 1                   |                        |
|                            |  | 15A                                                                                   | 25  | 26       | 15A | 1                   |                        |
| SPACE                      |  | 27                                                                                    | 28  |          |     |                     | SPACE                  |
|                            |  | 29                                                                                    | 30  |          |     |                     |                        |
|                            |  | 31                                                                                    | 32  |          |     |                     |                        |
|                            |  | 33                                                                                    | 34  |          |     |                     |                        |
|                            |  | 35                                                                                    | 36  |          |     |                     |                        |
|                            |  | 37                                                                                    | 38  |          |     |                     |                        |
|                            |  | 39                                                                                    | 40  |          |     |                     |                        |
|                            |  | 41                                                                                    | 42  |          |     |                     |                        |

| PANEL IDENT: <b>EG</b> |  | SERVICE: 600/347V, 3ø, 4W<br>MAIN CTT, BRK: 225 AMPS SURFACE<br>MANS: MOUNTING: |     |          |     | NOTES: *** LOCK ON BREAKER<br>LOCATION: |                              |
|------------------------|--|---------------------------------------------------------------------------------|-----|----------|-----|-----------------------------------------|------------------------------|
| LOAD DESCRIPTION       |  | WATTS                                                                           | BRK | CIRCUITS | BRK | WATTS                                   | LOAD DESCRIPTION             |
| LIGHTING – GARAGE (P1) |  | 15A                                                                             | 1   | 2        | 15A |                                         | EXIT SIGNS *** – GARAGE (P1) |
| LIGHTING – GARAGE (P1) |  | 15A                                                                             | 3   | 4        | 15A |                                         | EXIT SIGNS *** – GARAGE (P1) |
| LIGHTING – GARAGE (P1) |  | 15A                                                                             | 5   | 6        | 15A |                                         |                              |
| SPARE                  |  | 15A                                                                             | 7   | 8        | 15A |                                         | LIGHTING – GARAGE (P1)       |
|                        |  | 15A                                                                             | 9   | 10       | 15A |                                         | LIGHTING – GARAGE (P1)       |
|                        |  | 15A                                                                             | 11  | 12       | 15A |                                         | SPARE                        |
|                        |  | 15A                                                                             | 13  | 14       | 15A |                                         |                              |
|                        |  | 15A                                                                             | 15  | 16       | 15A |                                         |                              |
|                        |  | 15A                                                                             | 17  | 18       | 15A |                                         |                              |
|                        |  | 15A                                                                             | 19  | 20       | 15A |                                         |                              |
|                        |  | 15A                                                                             | 21  | 22       | 15A |                                         |                              |
|                        |  | 15A                                                                             | 23  | 24       | 15A |                                         |                              |
| SPARE                  |  | 25                                                                              | 26  |          |     |                                         | SPARE                        |
|                        |  | 27                                                                              | 28  |          |     |                                         |                              |
|                        |  | 29                                                                              | 30  |          |     |                                         |                              |
|                        |  | 31                                                                              | 32  |          |     |                                         |                              |
|                        |  | 33                                                                              | 34  |          |     |                                         |                              |
|                        |  | 35                                                                              | 36  |          |     |                                         |                              |
|                        |  | 37                                                                              | 38  |          |     |                                         |                              |
|                        |  | 39                                                                              | 40  |          |     |                                         |                              |
|                        |  | 41                                                                              | 42  |          |     |                                         |                              |

| PANEL IDENTIF:                  | SUITE | SERVICE: MAIN CTT BRK: 120/208V, 1ø, 3ø<br>MANS: 125 AMPS SURFACE<br>MOUNTING: | NOTES: *** LOCK ON BREAKER<br>LOCATION: STACKED HOUSE |     |       |                  |                                |
|---------------------------------|-------|--------------------------------------------------------------------------------|-------------------------------------------------------|-----|-------|------------------|--------------------------------|
| LOAD DESCRIPTION                | WATTS | BRK                                                                            | CIRCUITS                                              | BRK | WATTS | LOAD DESCRIPTION |                                |
| LTD & SHOCK/CD ALARM            | 3000  | 15A                                                                            | 1                                                     | 2   | 20A   | 1000             | KITCHEN GFI T-SPLIT RECEPTACLE |
| LIGHTING                        | 3000  | 15A                                                                            | 3                                                     | 4   | 20A   | 1000             | KITCHEN T-SPLIT RECEPTACLE     |
| LIGHTING                        | 3000  | 15A                                                                            | 5                                                     | 6   | 20A   | 1000             | KITCHEN T-SPLIT RECEPTACLE     |
| LIGHTING                        | 3000  | 15A                                                                            | 7                                                     | 8   | 15A   | 1000             | DISHWASHER                     |
| ARC FAULT RECEPTACLES           | 3000  | 15A                                                                            | 9                                                     | 10  | 50A   |                  |                                |
| ARC FAULT RECEPTACLES           | 3000  | 15A                                                                            | 11                                                    | 12  | 2P    |                  | RANGE (3 #)                    |
| ARC FAULT RECEPTACLES           | 3000  | 15A                                                                            | 13                                                    | 14  | 15A   | 1000             | FUDGE                          |
| GFI RECEPTACLE                  | 3000  | 15A                                                                            | 15                                                    | 16  | 30A   |                  |                                |
| GFI RECEPTACLE                  | 3000  | 15A                                                                            | 17                                                    | 18  | 2P    | 1000             | DRYER                          |
| WASH/RECYCLE COMPART            | 3000  | 15A                                                                            | 19                                                    | 20  | 15A   | 1000             | WASHER                         |
| UNIT DRYER FAN                  | 500   | 15A                                                                            | 21                                                    | 22  | 15A   | 1000             | DISHWASHER                     |
| EXTERIOR RECEPTACLE ON AS REQ'D | 500   | 15A                                                                            | 23                                                    | 24  | 15A   |                  | MICROWAVE                      |
| DRY                             | 15A   | 25                                                                             | 26                                                    | 15A |       |                  | CENTRAL VACUUM RECEPTACLE      |
| HRV                             | 20A   | 27                                                                             | 28                                                    | 30A |       |                  | WHIRLPOOL (2#)                 |
| CONDENSING COMP BLOWER          | 15A   | 29                                                                             | 30                                                    | 2P  |       |                  |                                |
| SPLIT RECEPTACLE                | 15A   | 31                                                                             | 32                                                    | 25A |       |                  |                                |
| EBB                             | 2P    | 33                                                                             | 34                                                    | 2P  |       |                  | CONDENSING UNIT / COOLING COIL |
| SPARE                           | 15A   | 35                                                                             | 36                                                    | 20A |       |                  |                                |
| SPARE                           | 15A   | 37                                                                             | 38                                                    | 20A |       |                  |                                |
| SPARE                           | 15A   | 39                                                                             | 40                                                    | 20A |       |                  | CONDENSING UNIT / COOLING COIL |
| SPARE                           | 15A   | 41                                                                             | 42                                                    | 20A |       |                  |                                |

SUITE PANEL NOTES:

- CARRY ELEC REQUIREMENTS WITH UNIT SHOP DNGS (FOR EACH DIFFERENT SUITE/UNIT)
- WHERE APPLICABLE AND REQUIRED REFER TO UNIT'S LAYOUTS, ELSE PROVIDE SPARES
- PANELS C/V "PLUG-N" OR BOLT-ON BREAKERS
- PANELS SHALL BE SUITABLE FOR THE USE OF DOUBLE BREAKERS WHICH SHALL BE USED SHOULD THE ACTUAL PROPORTION OF REQUIRED CIRCUITS/EMPTY SPACE EXCEED CODE REQUIREMENTS
- EACH BRANCH CIRCUIT SUPPLYING 100V RECEPTACLES RATED 20A OR LESS, SHALL BE PROTECTED BY A GFCI/NUC-THAT THE ARC-FAULT CIRCUIT INTERRUPTER EXCEPT FOR BRANCH CIRCUITS SUPPLYING RECEPTACLES ON KITCHEN COUNTER FOR USE BY PERSON WITH DISABILITIES
- OUTLETS/WASHERS PROVIDED THAT NO OTHER RECEPTACLES ARE CONNECTED TO THESE CIRCUITS
- FUDGE, KITCHEN COUNTER, KITCHEN ISLAND AND PENINSULA

| PANEL IDENTIF: <b>B1</b>   |     | SERVICE: 208Y/120V, 3ø, 4W<br>MAIN CTT, BRK: 400 AMPS SURFACE<br>MANS: |     | NOTES: 60 CIRCUITS<br>LOCATION: |     |                                               |                  |
|----------------------------|-----|------------------------------------------------------------------------|-----|---------------------------------|-----|-----------------------------------------------|------------------|
| LOAD DESCRIPTION           |     | WATTS                                                                  | BRK | CIRCUITS                        | BRK | WATTS                                         | LOAD DESCRIPTION |
| LIGHTING – LOCKERS (P1)    | 15A | 1                                                                      | 2   | 15A                             | 1   | RECEPTACLES – STAR A (P1–3RD)                 |                  |
| LIGHTING – LOCKERS (P1)    | 15A | 3                                                                      | 4   | 15A                             | 1   | RECEPTACLES – STAR B (P1–3RD)                 |                  |
| REC – STORAGE (P1)         | 15A | 5                                                                      | 6   | 15A                             | 1   | RECEPTACLES – CORRIDOR (GRD–3RD)              |                  |
| REC – SUB ELEC RM D (P1)   | 15A | 7                                                                      | 8   | 15A                             | 1   | RECEPTACLES – CORRIDOR (GRD)                  |                  |
| LIGHTING – GARBAGE RM (P1) | 15A | 9                                                                      | 10  | 15A                             | 1   | RECEPTACLES – ROOF LEVEL                      |                  |
| REC – LOCKER (P1)          | 20A | 11                                                                     | 12  | 15A                             | 1   | RECEPTACLES – ROOF LEVEL                      |                  |
| REC – STAR A & B (P1)      | 15A | 13                                                                     | 14  | 15A                             | 1   | LIGHTING – JANITOR ROOM                       |                  |
| REC – GARBAGE RM (P1)      | 15A | 15                                                                     | 16  | 100A                            |     | SPLIT SYSTEM BLOWER & COIL T-5 C/W 15W HEATER |                  |
| REC – LOCKER (P1)          | 15A | 17                                                                     | 18  | 2P                              |     |                                               |                  |
| REC – LOCKER & LOBBY (P1)  | 15A | 19                                                                     | 20  | 30A                             |     | 4.8 KW ELECTRIC FORCE HEATER T-3              |                  |
| REC – SERVICE ROOM (P1)    | 15A | 21                                                                     | 22  | 2P                              |     |                                               |                  |
| TRISORTOR CONTROL PANEL    | 20A | 23                                                                     | 24  | 30A                             |     | 4.8 KW ELECTRIC FORCE HEATER T-3              |                  |
| BATTERY UNIT               | 15A | 25                                                                     | 26  | 2P                              |     | SPLIT SYSTEM CONDENSER UNIT T-6               |                  |
| H-1 12KW ELECTRIC HEATER   | 80A | 27                                                                     | 28  | 30A                             |     |                                               |                  |
|                            | 2P  | 29                                                                     | 30  |                                 |     |                                               |                  |
| H-1 12KW ELECTRIC HEATER   | 80A | 31                                                                     | 32  | 15A                             |     | GENERATOR RM MOTORIZED DAMPER                 |                  |
|                            | 33  | 34                                                                     | 34  | 15A                             |     | SMART BOX FOR DELIVERIES                      |                  |
| 1.0KW BASEBOARD HEATER     | 15A | 35                                                                     | 36  | 15A                             |     | RECEPTACLES – CORRIDOR (GRD)                  |                  |
| 1.0KW BASEBOARD HEATER     | 15A | 37                                                                     | 38  | 15A                             |     | RECEPTACLES – CORRIDOR (GRD)                  |                  |
| REC – TELECOM              | 15A | 39                                                                     | 40  | 15A                             |     | LIGHTING – LOCKERS (3RD)                      |                  |
| REC – TELECOM              | 15A | 41                                                                     | 42  | 15A                             |     | SPARE                                         |                  |

|                                |                                                                                  |       |                                 |          |                                               |       |
|--------------------------------|----------------------------------------------------------------------------------|-------|---------------------------------|----------|-----------------------------------------------|-------|
| PANEL IDENTIF: <b>B2</b>       | SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W<br>MANS: 400 AMPS SURFACE<br>MOUNTING: |       | NOTES: 60 CIRCUITS<br>LOCATION: |          |                                               |       |
|                                | LOAD DESCRIPTION                                                                 | WATTS | BRK                             | CIRCUITS | BRK                                           | WATTS |
| LIGHTING – MECH. RM (P1)       | 15A                                                                              | 1     | 2                               | 15A      | RECEPTACLES – STAR H (P1–3RD)                 |       |
| LIGHTING – GARBAGE RM (P1)     | 15A                                                                              | 3     | 4                               | 15A      | RECEPTACLES – STAR G (P1–3RD)                 |       |
| REC – SUB ELEC RM (P1)         | 15A                                                                              | 5     | 6                               | 15A      | RECEPTACLES – CORRIDOR (GRD–3RD)              |       |
| REC – LOBBY (P1)               | 15A                                                                              | 7     | 8                               | 15A      | RECEPTACLES – CORRIDOR (GRD–3RD)              |       |
| REC – GARBAGE RM (P1)          | 15A                                                                              | 9     | 10                              | 15A      | RECEPTACLES – CORRIDOR (GRD–3RD)              |       |
| REC – MECH ROOM (P1)           | 15A                                                                              | 11    | 12                              | 15A      | RECEPTACLES – ROOF LEVEL                      |       |
| REC – TELECOM RM (P1)          | 15A                                                                              | 13    | 14                              | 15A      | RECEPTACLES – ROOF LEVEL                      |       |
| REC – TELECOM RM (P1)          | 15A                                                                              | 15    | 16                              | 15A      | SECURITY PANEL                                |       |
| REC – ELEVATOR CONTROL RM (P1) | 15A                                                                              | 17    | 18                              | 100A     | SPLIT SYSTEM BLOWER & COIL T-5 C/W 15W HEATER |       |
| TRISORTOR CONTROL PANEL        | 20A                                                                              | 19    | 20                              | 2P       |                                               |       |
| H-1 12KW ELECTRIC HEATER       | 80A                                                                              | 21    | 22                              | 30A      | 4.8 KW ELECTRIC FORCE HEATER T-3              |       |
|                                | 2P                                                                               | 23    | 24                              | 2P       |                                               |       |
| H-1 12KW ELECTRIC HEATER       | 80A                                                                              | 25    | 26                              | 30A      | 4.8 KW ELECTRIC FORCE HEATER T-3              |       |
|                                | 2P                                                                               | 27    | 28                              | 2P       |                                               |       |
| 1.0KW BASEBOARD HEATER         | 15A                                                                              | 29    | 30                              | 30A      | SPLIT SYSTEM CONDENSER UNIT T-6               |       |
| 1.0KW BASEBOARD HEATER         | 15A                                                                              | 31    | 32                              | 2P       |                                               |       |
| REC – TELECOM                  | 15A                                                                              | 33    | 34                              | 15A      | SMART BOX FOR DELIVERIES                      |       |
| REC – TELECOM                  | 15A                                                                              | 35    | 36                              | 15A      | RECEPTACLES – CORRIDOR (GRD–3RD)              |       |
| CO CONTROL PANEL               | 15A                                                                              | 37    | 38                              | 15A      | SPARE                                         |       |
| SECURITY CONTROL PANEL         | 15A                                                                              | 39    | 40                              | 15A      | SPARE                                         |       |
| LIGHTING – LOCKER (2ND–3RD)    | 15A                                                                              | 41    | 42                              | 15A      | SPARE                                         |       |

| PANEL IDENTIF: <b>B3</b>       | SERVICE: 208Y/120V, 3ø, 4W<br>MAIN CTT, BRK:<br>MANS: 400 AMPS SURFACE<br>MOUNTING: | NOTES: 60 CIRCUITS<br>LOCATION: STACKED HOUSE |          |      |       |                                                  |
|--------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|----------|------|-------|--------------------------------------------------|
| LOAD DESCRIPTION               | WATTS                                                                               | BRK                                           | CIRCUITS | BRK  | WATTS | LOAD DESCRIPTION                                 |
| LIGHTING – LOCKER RM (P1)      | 15A                                                                                 | 1                                             | 2        | 15A  | 1     | RECEPTACLES – STAR C (P1–3RD)                    |
| LIGHTING – GARBAGE RM (P1)     | 15A                                                                                 | 3                                             | 4        | 15A  | 1     | RECEPTACLES – STAR D (P1–3RD)                    |
| LIGHTING – JANITOR RM (P1)     | 15A                                                                                 | 5                                             | 6        | 15A  | 1     | RECEPTACLES – CORRIDOR (GRD–3RD)                 |
| REC – GARBAGE RM (P1)          | 15A                                                                                 | 7                                             | 8        | 15A  | 1     | RECEPTACLES – CORRIDOR (GRD–3RD)                 |
| REC – LOBBY (P1)               | 15A                                                                                 | 9                                             | 10       | 15A  | 1     | RECEPTACLES – ROOF LEVEL                         |
| REC – LOCKER ROOM (P1)         | 15A                                                                                 | 11                                            | 12       | 15A  | 1     | RECEPTACLES – ROOF LEVEL                         |
| REC – ELEC ROOM (P1)           | 15A                                                                                 | 13                                            | 14       | 100A |       | SPLIT SYSTEM BLOWER & COIL<br>T-5 C/W 15W HEATER |
| REC – ELEVATOR CONTROL RM (P1) | 15A                                                                                 | 15                                            | 16       | 2P   |       |                                                  |
| TRISORTOR CONTROL PANEL        | 20A                                                                                 | 17                                            | 18       | 30A  |       | 4.8 KW ELECTRIC FORCE HEATER<br>T-3              |
| H-1 12KW ELECTRIC HEATER       | 80A                                                                                 | 19                                            | 20       | 2P   |       |                                                  |
|                                | 2P                                                                                  | 21                                            | 22       | 30A  |       | 4.8 KW ELECTRIC FORCE HEATER<br>T-3              |
| H-1 12KW ELECTRIC HEATER       | 80A                                                                                 | 23                                            | 24       | 2P   |       |                                                  |
|                                | 2P                                                                                  | 25                                            | 26       | 30A  |       | SPLIT SYSTEM CONDENSER UNIT<br>T-6               |
| 1.0KW BASEBOARD HEATER         | 15A                                                                                 | 27                                            | 28       | 2P   |       |                                                  |
| 1.0KW BASEBOARD HEATER         | 15A                                                                                 | 29                                            | 30       | 15A  |       | SMART BOX FOR DELIVERIES                         |
| REC – TELECOM                  | 15A                                                                                 | 31                                            | 32       | 15A  |       | SPARE                                            |
| REC – TELECOM                  | 15A                                                                                 | 33                                            | 34       | 15A  |       | LIGHTING – LOCKER RM (3RD)                       |
| SPARE                          | 15A                                                                                 | 35                                            | 36       | 15A  |       | SPARE                                            |
|                                | 15A                                                                                 | 37                                            | 38       | 15A  |       |                                                  |
|                                | 15A                                                                                 | 39                                            | 40       | 15A  |       |                                                  |
|                                | 15A                                                                                 | 41                                            | 42       | 15A  |       |                                                  |

| PANEL IDENTIF: <b>B4</b>       | SERVICE: 208Y/120V, 3ø, 4W<br>MAIN CTT, BRK: -<br>MANS: 400 AMPS SURFACE<br>MOUNTING: | NOTES: 60 CIRCUITS<br>LOCATION: |          |      |       |                                               |
|--------------------------------|---------------------------------------------------------------------------------------|---------------------------------|----------|------|-------|-----------------------------------------------|
| LOAD DESCRIPTION               | WATTS                                                                                 | BRK                             | CIRCUITS | BRK  | WATTS | LOAD DESCRIPTION                              |
| LIGHTING – GARBAGE RM (P1)     | 15A                                                                                   | 1                               | 2        | 15A  |       | RECEPTACLES – STAR E (P1–3RD)                 |
| REC – SUB ELEC RM (P1)         | 15A                                                                                   | 3                               | 4        | 15A  |       | RECEPTACLES – STAR F (P1–3RD)                 |
| LIGHTING – LOCKER RM (P1)      | 15A                                                                                   | 5                               | 6        | 15A  |       | RECEPTACLES – CORRIDOR (GRD–3RD)              |
| REC – LOBBY (P1)               | 15A                                                                                   | 7                               | 8        | 15A  |       | RECEPTACLES – CORRIDOR (GRD–3RD)              |
| LIGHTING – PUBLIC RM (2ND)     | 15A                                                                                   | 9                               | 10       | 15A  |       | RECEPTACLES – ROOF LEVEL                      |
| REC – ELEVATOR CONTROL RM (P1) | 15A                                                                                   | 11                              | 12       | 15A  |       | RECEPTACLES – ROOF LEVEL                      |
| TRISORTOR CONTROL PANEL        | 20A                                                                                   | 13                              | 14       | 100A |       | SPLIT SYSTEM BLOWER & COIL T-5 C/W 15W HEATER |
| H-1 12KW ELECTRIC HEATER       | 80A                                                                                   | 15                              | 16       | 2P   |       |                                               |
|                                | 2P                                                                                    | 17                              | 18       | 30A  |       | 4.8 KW ELECTRIC FORCE HEATER T-3              |
| H-1 12KW ELECTRIC HEATER       | 80A                                                                                   | 19                              | 20       | 2P   |       |                                               |
|                                | 2P                                                                                    | 21                              | 22       | 30A  |       | 4.8 KW ELECTRIC FORCE HEATER T-3              |
| 1.0KW BASEBOARD HEATER         | 15A                                                                                   | 23                              | 24       | 2P   |       |                                               |
| 1.0KW BASEBOARD HEATER         | 15A                                                                                   | 25                              | 26       | 30A  |       | SPLIT SYSTEM CONDENSER UNIT T-6               |
| REC – TELECOM                  | 15A                                                                                   | 27                              | 28       | 2P   |       |                                               |
| REC – TELECOM                  | 15A                                                                                   | 29                              | 30       | 15A  |       | SMART BOX FOR DELIVERIES                      |
| SPARE                          | 15A                                                                                   | 31                              | 32       | 15A  |       | RECEPTACLES – CORRIDOR (GRD–3RD)              |
|                                | 15A                                                                                   | 33                              | 34       | 15A  |       | RECEPTACLES – CORRIDOR (GRD–3RD)              |
|                                | 15A                                                                                   | 35                              | 36       | 15A  |       | LIGHTING – LOCKER (3RD)                       |
|                                | 15A                                                                                   | 37                              | 38       | 15A  |       | SPARE                                         |
|                                | 15A                                                                                   | 39                              | 40       | 15A  |       |                                               |
|                                | 15A                                                                                   | 41                              | 42       | 15A  |       |                                               |

|                            |                                                                            |                                         |          |     |       |                                  |
|----------------------------|----------------------------------------------------------------------------|-----------------------------------------|----------|-----|-------|----------------------------------|
| PANEL IDENTIF: <b>EB1</b>  | SERVICE: 208Y/120V, 3ø, 4W<br>MAIN CTT, BRK: 225 AMPS SURFACE<br>MOUNTING: | NOTES: *** LOCK ON BREAKER<br>LOCATION: |          |     |       |                                  |
| LOAD DESCRIPTION           | WATTS                                                                      | BRK                                     | CIRCUITS | BRK | WATTS | LOAD DESCRIPTION                 |
| LIGHTING – LOBBY ELEVATORS | 15A                                                                        | 1                                       | 2        | 15A | 1     | EXIT SIGNS – (P1) ***            |
| LIGHTING – LOCKER RM       | 15A                                                                        | 3                                       | 4        | 15A | 1     | EXIT SIGNS – (GRD–3RD) ***       |
| LIGHTING – LOCKER RM       | 15A                                                                        | 5                                       | 6        | 15A | 1     | LIGHTING – STAR A (P1–3RD)       |
| LGT. – GARBAGE RM (P1)     | 15A                                                                        | 7                                       | 8        | 15A | 1     | LIGHTING – STAR B (P1–3RD)       |
| LIGHTING – SUB ELEC RM D   | 15A                                                                        | 9                                       | 10       | 15A | 1     | LIGHTING – GRD FLOOR LOBBY       |
| SPARE                      | 15A                                                                        | 11                                      | 12       | 15A | 1     | LIGHTING – 3RD FLOOR LOCKER      |
| LIGHTING – ELEVATOR PIT    | 15A                                                                        | 13                                      | 14       | 15A | 1     | LIGHTING – 3RD FLOOR CORRIDOR    |
| RECEPTACLES – ELEVATOR PIT | 15A                                                                        | 15                                      | 16       | 15A | 1     | LIGHTING – 3RD FLOOR CORRIDOR    |
| GENERATOR BATTERY CHARGE   | 15A                                                                        | 17                                      | 18       | 15A | 1     | LIGHTING – TOP OF ELEVATOR SHAFT |
| GENERATOR BLOCK HEATER     | 20A                                                                        | 19                                      | 20       | 15A | 1     | REC – TOP OF ELEVATOR SHAFT      |
|                            | 2P                                                                         | 21                                      | 22       | 15A | 1     | AUTO DOOR OPENERS                |
| AUTO DOOR OPENERS          | 15A                                                                        | 23                                      | 24       | 15A | 1     | AUTO DOOR OPENERS                |
| AUTO DOOR OPENERS          | 15A                                                                        | 25                                      | 26       | 15A | 1     | LIGHTING – GRD FLOOR CORRIDOR    |
| ENTERPHONE                 | 15A                                                                        | 27                                      | 28       | 15A | 1     | LIGHTING – GRD FLOOR CORRIDOR    |
| LIGHTING – GARBAGE CHUTE   | 15A                                                                        | 29                                      | 30       | 15A | 1     | AUTO DOOR OPENERS                |
| SPARE                      | 15A                                                                        | 31                                      | 32       | 15A | 1     | SPARE                            |
|                            | 15A                                                                        | 33                                      | 34       | 15A | 1     |                                  |
|                            | 15A                                                                        | 35                                      | 36       | 15A | 1     |                                  |
|                            | 15A                                                                        | 37                                      | 38       | 15A | 1     |                                  |
|                            | 15A                                                                        | 39                                      | 40       | 15A | 1     |                                  |
|                            | 15A                                                                        | 41                                      | 42       | 15A | 1     |                                  |

| PANEL IDENT                 | SERVICE:<br>MAIN CTT, BRK:<br>MANS: 225 AMPS<br>MOUNTING: | 208Y/120V, 3ø, 4W |     |          |     | NOTES:<br>*** LOCK ON BREAKER<br>LOCATION: |
|-----------------------------|-----------------------------------------------------------|-------------------|-----|----------|-----|--------------------------------------------|
|                             |                                                           | WATTS             | BRK | CIRCUITS | BRK | WATTS                                      |
| LOAD DESCRIPTION            |                                                           | LOAD DESCRIPTION  |     |          |     |                                            |
| LIGHTING – LOBBY ELEVATORS  | 15A                                                       | 1                 | 2   | 15A      | 1   | EXIT SIGNS – (P1) ***                      |
| LIGHTING – ELEC RM          | 15A                                                       | 3                 | 4   | 15A      | 1   | EXIT SIGNS – (GRD–3RD) ***                 |
| LIGHTING – MECH RM          | 15A                                                       | 5                 | 6   | 15A      | 1   | LIGHTING – STAR G (GRD–3RD)                |
| LOG – GARBAGE RM (P1)       | 15A                                                       | 7                 | 8   | 15A      | 1   | LIGHTING – STAR H (P1–3RD)                 |
| LOG – SERVICE ROOM (P1)     | 15A                                                       | 9                 | 10  | 15A      | 1   | LIGHTING – GRD FLOOR LOBBY                 |
| LIGHTING – ELEVATOR PIT     | 15A                                                       | 11                | 12  | 15A      | 1   | LIGHTING – CORRIDOR (3RD)                  |
| RECEPTACLES – ELEVATOR PIT  | 15A                                                       | 13                | 14  | 15A      | 1   | LIGHTING – CORRIDOR (GRD)                  |
| AUTO DOOR OPNRS             | 15A                                                       | 15                | 16  | 15A      | 1   | LIGHTING – CORRIDOR (GRD)                  |
| AUTO DOOR OPNRS             | 15A                                                       | 17                | 18  | 15A      | 1   | LIGHTING – 1ND FLOOR SHFT                  |
| AUTO DOOR OPNRS             | 15A                                                       | 19                | 20  | 15A      | 1   | REC – TOP OF ELEVATOR SHFT                 |
| INTERPHONE                  | 15A                                                       | 21                | 22  | 15A      | 1   | LIGHTING – 2ND FLOOR CORRIDOR              |
| LIGHTING – GARBAGE CHUTE    | 15A                                                       | 23                | 24  | 15A      | 1   | LIGHTING – 2ND FLOOR CORRIDOR              |
| LIGHTING – LOCKER (2ND–3RD) | 15A                                                       | 25                | 26  | 15A      | 1   | LIGHTING – CORRIDOR (3RD)                  |
| SPARE                       | 15A                                                       | 27                | 28  | 15A      | 1   | SPARE                                      |
|                             | 15A                                                       | 29                | 30  | 15A      | 1   |                                            |
|                             | 15A                                                       | 31                | 32  | 15A      | 1   |                                            |
|                             | 15A                                                       | 33                | 34  | 15A      | 1   |                                            |
|                             | 15A                                                       | 35                | 36  | 15A      | 1   | SPARE                                      |
|                             | 15A                                                       | 37                | 38  | 15A      | 1   |                                            |
|                             | 15A                                                       | 39                | 40  | 15A      | 1   |                                            |
|                             | 15A                                                       | 41                | 42  | 15A      | 1   |                                            |