



- KEY NOTES:**
- ◇ WHEN CONNECTING GARAGE LIGHTS TO "OSS", EACH SENSOR TO BE AS A LIGHT BAY.
 - ◇ CO AUDIO/VISUAL REMOTE INDICATOR LIGHT.
 - ◇ GENERATOR BLOCK HEATER (CONFIRM LOCATION ON SITE) EBI-19/21
 - ◇ GENERATOR BATTERY CHARGER EBI-17
 - ◇ INSULATE AND ELECTRICALLY TRACE ALL SPRINKLER PIPES AND HEADS IN GENERATOR ROOM FED FROM PANEL EF
 - ◇ TOP OF LOWER STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
 - ◇ GARBAGE COMPACTOR TRISORT, EXACT LOCATION TBC FED FROM DP26
 - ◇ 20A TRISORTER CONTROL PANEL
 - ◇ ALL ELECTRICAL DEVICES LOCATED IN GARBAGE ROOM SHOULD BE WEATHER PROOF (TYPICAL)
 - ◇ 1/2" CONDUIT OUTLETS FOR:
 - TELEPHONE
 - ELEVATOR RECALL
 - SECURITY/INTERCOM
 - GEN. HOMING SIGNALCONFIRM 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.
 - ◇ DISCONNECTS FOR ELEVATOR POWER SUPPLY FED FROM ELEVATOR SHUTTER (SPS) DISCONNECTS FOR GAS LIGHTS ETC. REFER TO SINGLE LINE DIAGRAM FOR DETAILS. EXACT LOCATION PER ELEVATOR SHOP DRAWINGS.
 - ◇ VANDAL PROOF ELEVATOR SUMP PIT "P-4" (DUPLEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL. EXACT CIRCUITS AS SHOWN
 - ◇ GARAGE EXHAUST FAN, FED FROM MOP1 PROVIDE VANDAL PROOF CONTROL EQUIPMENT, TO BE INTERLOCKED WITH CO SYSTEM (ONE UNIT IN TOP OF THE OTHER)
 - ◇ VANDAL PROOF SANITARY SUMP PIT C/W PUMP "P-2" (DUPLEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL
 - ◇ NOT USED
 - ◇ PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL DOMESTIC COLD WATER PIPING OUTSIDE HEATED PLENUM (TYPICAL) FED FROM PANEL EF
 - ◇ PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL VERTICAL NON FREEZE HOSE BIB PIPING OUTSIDE HEATED PLENUM (TYPICAL FOR 12) FED FROM PANEL EF
 - ◇ INSULATED AND ELECTRICALLY TRACE EXPOSED PIPING FED FROM PANEL EF
 - ◇ NOT USED
 - ◇ VANDAL PROOF STORM SUMP PIT C/W PUMP "P-3" (DUPLEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL
 - ◇ NOT USED
 - ◇ 1KW HEATER C/W BUILT IN THERMOSTAT IN HEATED PIPE SPACE. BUILDING A AND BUILDING D FED FROM PANEL H1 BUILDING B AND BUILDING C FED FROM PANEL H2 REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION, QUANTITY AND DETAILS.
 - ◇ NOT USED
 - ◇ WIRELESS SIGNAL RECEIVER TO ACTIVATE Q/H DOOR AND OR CATAWING WEATHERPROOF
 - ◇ Q/H DOOR CONTROL PANEL TO BE INTERCONNECTED TO FIRE ALARM SYSTEM TO OPEN UPON ACTIVATE OF FIRE ALARM
 - ◇ 200 NON FREEZE HOSE BIB PIPE TO ABOVE PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL VERTICAL NON FREEZE HOSE BIB PIPE TO ABOVE UP TO NFHB (TYPICAL OF 16) FED FROM PANEL EF
 - ◇ SMOKE DETECTOR C/W RELAY FOR ELEVATOR RECALL
 - ◇ NET SPRINKLERED PIPING TO BE ELECTRICALLY TRACED AND INSULATED, FED FROM PANEL EF
 - ◇ AIR COMPRESSOR FED FROM PANEL DP61 CONFIRM EXACT LOCATION ON SITE
 - ◇ DISCONNECT SWITCH AND 4"x4" JUNCTION BOX 1-1/4" CONDUIT FOR POWER TO MAIN ELECTRICAL ROOM 3/4" CONDUIT FOR COMMUNICATION TO COMMUNICATION ROOM ROUGH-IN FOR PROVISION FOR FUTURE GAS CHARGING SYSTEM PLUG CONFIGURATION TO SUIT SUPPLIER TYPE. PROVIDE SEPARATE CHECK METER. REFER TO KSI CHARGING SYSTEMS. FED FROM DP-25.

- NOTES:**
1. ALL INSULATE AND ELECTRICALLY HEAT TRACING TO BE READ IN CONJUNCTION WITH MECHANICAL AND SPRINKLER DRAWINGS.
 2. PROVIDE 120V POWER SUPPLY FOR IRRIGATION CONTROLLER FED FROM M1-30 EXACT IRRIGATION CONTROLLER LOCATION AND POWER REQUIREMENT FOR IRRIGATION PUMP "P-4" TBC BY LANDSCAPE DESIGNER.

GENERAL NOTES:

1. A COMPLETE NETWORKED GAS DETECTION AND CONTROL SYSTEM TO BE PROVIDED AND INSTALLED WHERE THE VENTILATION SYSTEM MAY BE HOOD UP DIRECTLY TO THE GAS DETECTION SYSTEM. (REFER TO GAS DETECTOR SYSTEM TYPICAL INSTALLATION DETAIL FOR MORE INFORMATION).
2. FINAL DRIFT DWP AND TEST POINTS LOCATIONS MUST BE CO-ORDINATED WITH THE FIRE PROTECTION CONTRACTOR ON SITE. ALL DRIFT DWP AND TEST POINTS TO BE ELECTRICALLY TRACED AND INSULATED. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATION FOR DRIFT DWP, TEST CONNECTIONS, TNC AND OTHER PIPE TRACING REQUIREMENT IN THE PROTECTION SYSTEM, AS NOT AVAILABLE AT THE TIME OF TENDERS.
3. FINAL EXPOSED F-TRAPS MUST BE CO-ORDINATED WITH MECHANICAL CONTRACTOR ON SITE. ALL EXPOSED F-TRAPS TO BE ELECTRICALLY TRACED AND INSULATED. FED FROM PANEL EF
4. PROVIDE LIGHT SENSORS/OCCUPANCY SENSORS WHICH IS (ARE) INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN SERVING THE ROOM FOR MECHANICAL ROOMS AND STORAGE ROOMS. ELSE PROVIDE SENSORS OPERATION FOR THOSE FANS (TYPICAL)
5. ALL OCCUPANCY SENSOR INSTALLATION TO BE AS PER MANUFACTURER RECOMMENDATION.
6. ENT SIGNS TO BE 5W OR LESS PER FACE.

NO.	BY	DESCRIPTION	DATE
08	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
07	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
06	SP	ISSUED FOR ADD E-4	FEB. 08, 2021
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

REVISIONS

This drawing is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. United Engineering Inc. is not responsible for the accuracy of Architectural, structural, interior design, etc., on this drawing. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols are graphic representations only.

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

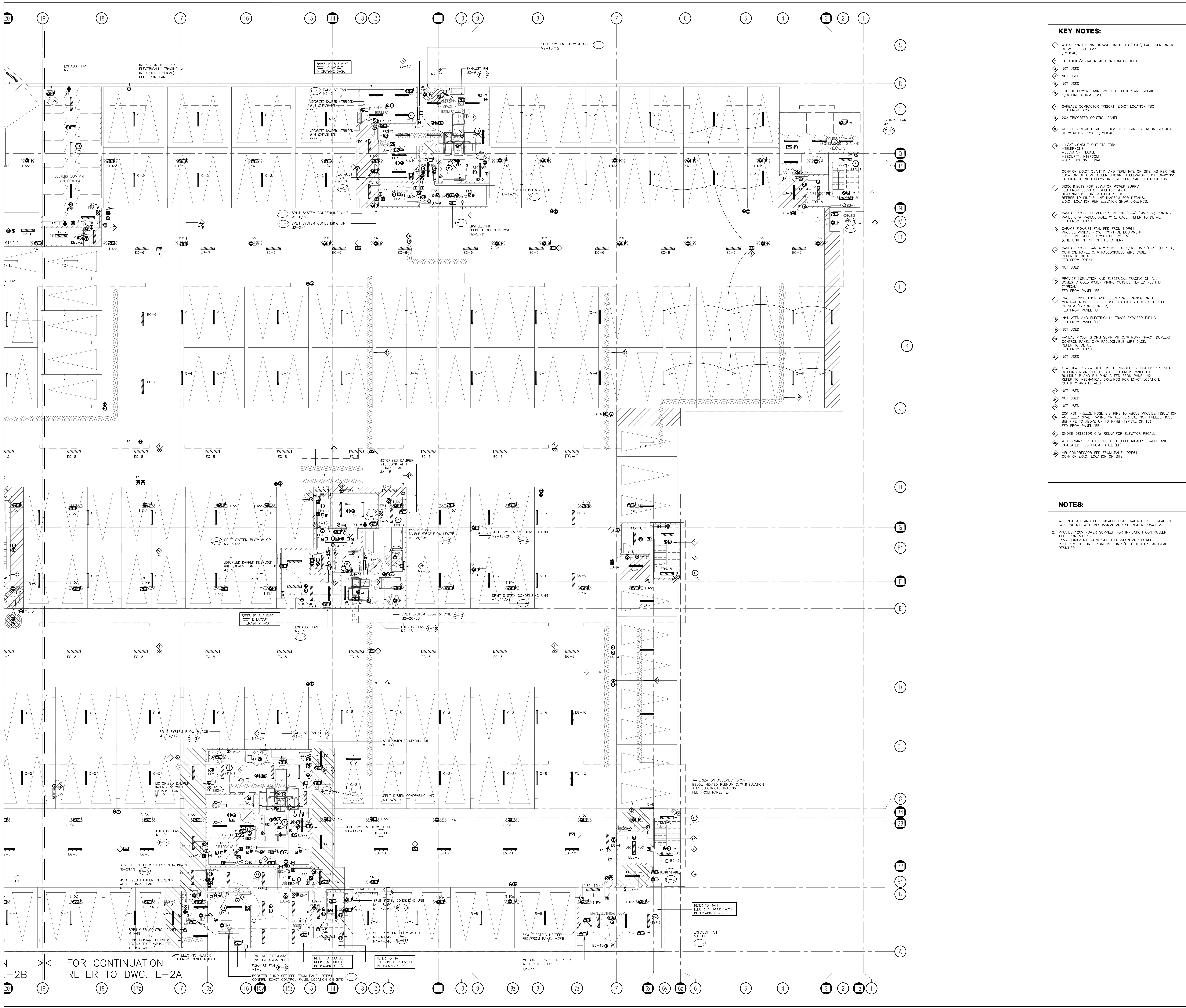
TITLE
PARKING LEVEL PART A ELECTRICAL

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

DRAWN	CHECKED	SCALE
SP	MG	1:100

DATE	PROJECT	DRAWING
MAY, 2019	18-017	E-2A

OF 16



KEY NOTES:

- ◇ WHEN CONNECTING GARAGE LIGHTS TO "OSC", EACH SENSOR TO BE AS A LIGHT BAY.
- ◇ CO AUDIO/VISUAL REMOTE INDICATOR LIGHT.
- ◇ NOT USED
- ◇ NOT USED
- ◇ NOT USED
- ◇ TOP OF LOWER STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE.
- ◇ GARAGE COMPACTOR TRISORT. EXACT LOCATION TBC FED FROM DP24.
- ◇ 20A TRISORTER CONTROL PANEL.
- ◇ ALL ELECTRICAL DEVICES LOCATED IN GARAGE ROOM SHOULD BE WEATHER PROOF (TYPICAL).
- ◇ 1/2" CONDUIT OUTLETS FOR:
 - TELEPHONE
 - ELEVATOR RECALL
 - SECURITY/INTERCOM
 - GEN. HOMING SIGNAL
- ◇ 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.
- ◇ DISCONNECTS FOR ELEVATOR POWER SUPPLY FED FROM ELEVATOR SPLITTER SP1. DISCONNECTS FOR CAB LIGHTS ETC. REFER TO SINGLE LINE DIAGRAM FOR DETAILS. EXACT LOCATION FOR ELEVATOR SHOP DRAWINGS.
- ◇ VANDAL PROOF ELEVATOR SUMP PIT "P-4" (SIMPLEX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DP22.
- ◇ GARAGE EXHAUST FAN FED FROM MDPE1. PROVIDE VANDAL PROOF CONTROL EQUIPMENT, TO BE INTERLOCKED WITH CO SYSTEM (ONE UNIT IN TOP OF THE OTHER).
- ◇ VANDAL PROOF SANITARY SUMP PIT C/W PUMP "P-2" (DUPLX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DP21.
- ◇ NOT USED
- ◇ PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL DOMESTIC COLD WATER PIPING OUTSIDE HEATED PLENUM (TYPICAL) FED FROM PANEL "EF".
- ◇ PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL VERTICAL NON FREEZE. HOSE BIB PIPING OUTSIDE HEATED PLENUM (TYPICAL FOR 12") FED FROM PANEL "EF".
- ◇ INSULATED AND ELECTRICALLY TRACE EXPOSED PIPING FED FROM PANEL "EF".
- ◇ NOT USED
- ◇ VANDAL PROOF STORM SUMP PIT C/W PUMP "P-3" (DUPLX) CONTROL PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DP23.
- ◇ NOT USED
- ◇ 1KW HEATER C/W BUILT IN THERMOSTAT IN HEATED PIPE SPACE. BUILDING A AND BUILDING D FED FROM PANEL M1. BUILDING B AND BUILDING C FED FROM PANEL M2. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION, QUANTITY AND DETAILS.
- ◇ NOT USED
- ◇ NOT USED
- ◇ NOT USED
- ◇ 20K NON FREEZE HOSE BIB PIPE TO ABOVE PROVIDE INSULATION AND ELECTRICAL TRACING ON ALL VERTICAL NON FREEZE HOSE. BIB PIPE TO ABOVE UP TO NFHB (TYPICAL OF 16) FED FROM PANEL "EF".
- ◇ SMOKE DETECTOR C/W RELAY FOR ELEVATOR RECALL.
- ◇ WET SPRINKLERED PIPING TO BE ELECTRICALLY TRACED AND INSULATED, FED FROM PANEL "EF".
- ◇ AIR COMPRESSOR FED FROM PANEL DP61. CONFIRM EXACT LOCATION ON SITE.

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.

GENERAL NOTES:

1. A 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 PONTOR SYSTEM TYPICAL INSTALLATION DETAIL FOR MORE INFORMATION).
2. FINAL DRIFT DRIP AND TEST POINTS LOCATIONS MUST BE CO-OPERATED WITH THE FIRE PROTECTION CONTRACTOR ON SITE. ALL DRIFT DRIPS AND TEST POINTS TO BE ELECTRICALLY TRACED AND INSULATED. (REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATION FOR DRIFT DRIPS, TEST CONNECTIONS, TBC AND OTHER PIPE TRACING REQUIREMENT IN THE PROTECTION SYSTEM, AS NOT AVAILABLE AT THE TIME OF TENDER).
3. FINAL DRIFT DRIP AND TEST POINTS LOCATIONS MUST BE CO-OPERATED WITH MECHANICAL CONTRACTOR ON SITE. ALL EXPOSED P-TRAPS TO BE ELECTRICALLY TRACED AND INSULATED. (REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION, QUANTITY AND DETAILS).
4. PROVIDE LIGHT SWITCHES/OCCUPANCY SENSORS WHICH IS (ARE) INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN. PROVIDE THE ROOF LIGHT CONNECTIONS, TBC AND OTHER PIPE TRACING REQUIREMENT IN THE PROTECTION SYSTEM, AS NOT AVAILABLE AT THE TIME OF TENDER).
5. ALL OCCUPANCY SENSOR INSTALLATION TO BE AS PER MANUFACTURER RECOMMENDATION.
6. EXIT SIGNS TO BE ON OR LESS PER FACE.

NO.	BY	DESCRIPTION	DATE
08	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
07	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
06	SP	ISSUED FOR ADD E-4	FEB. 08, 2021
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

REVISIONS

This drawing is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. United Engineering Inc. is not responsible for the accuracy of Architectural, structural, interior design, etc., on this drawing. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols are graphic representations only.

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

PARKING LEVEL PART B ELECTRICAL

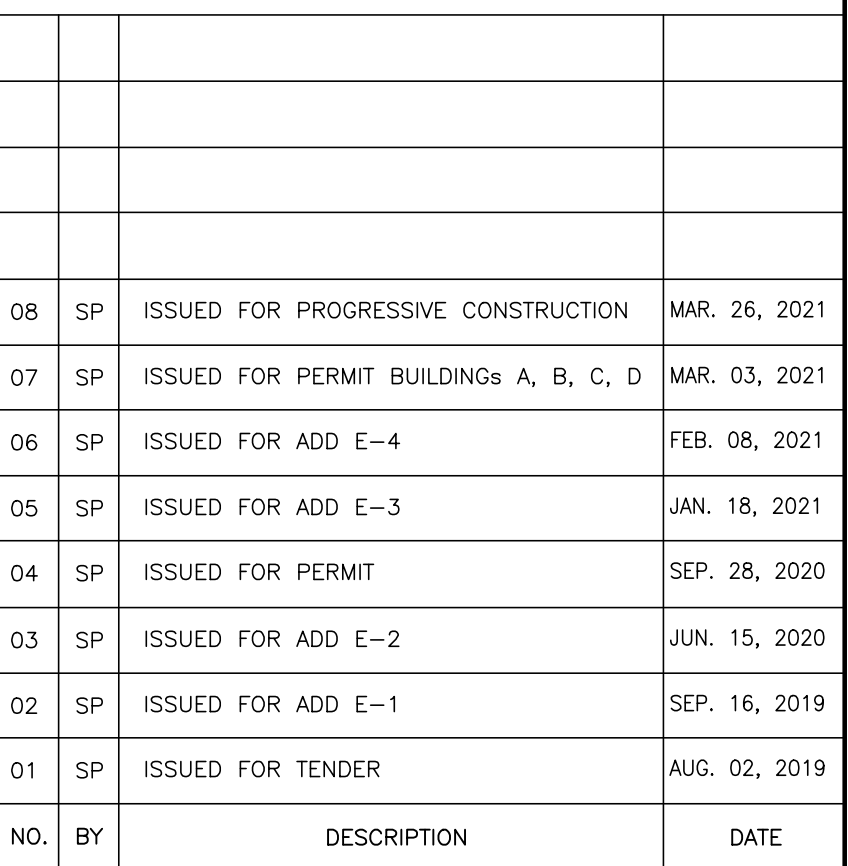
BRAMPTON STACKED FORESTSIDE ESTATES

ATTMAR + PALLESCHI DRIVE BRAMPTON, ONTARIO

DRAWN	CHECKED	SCALE
SP	MG	1:100

DATE	PROJECT	DRAWING
MAY, 2019	18-017	E-2B

OF 16



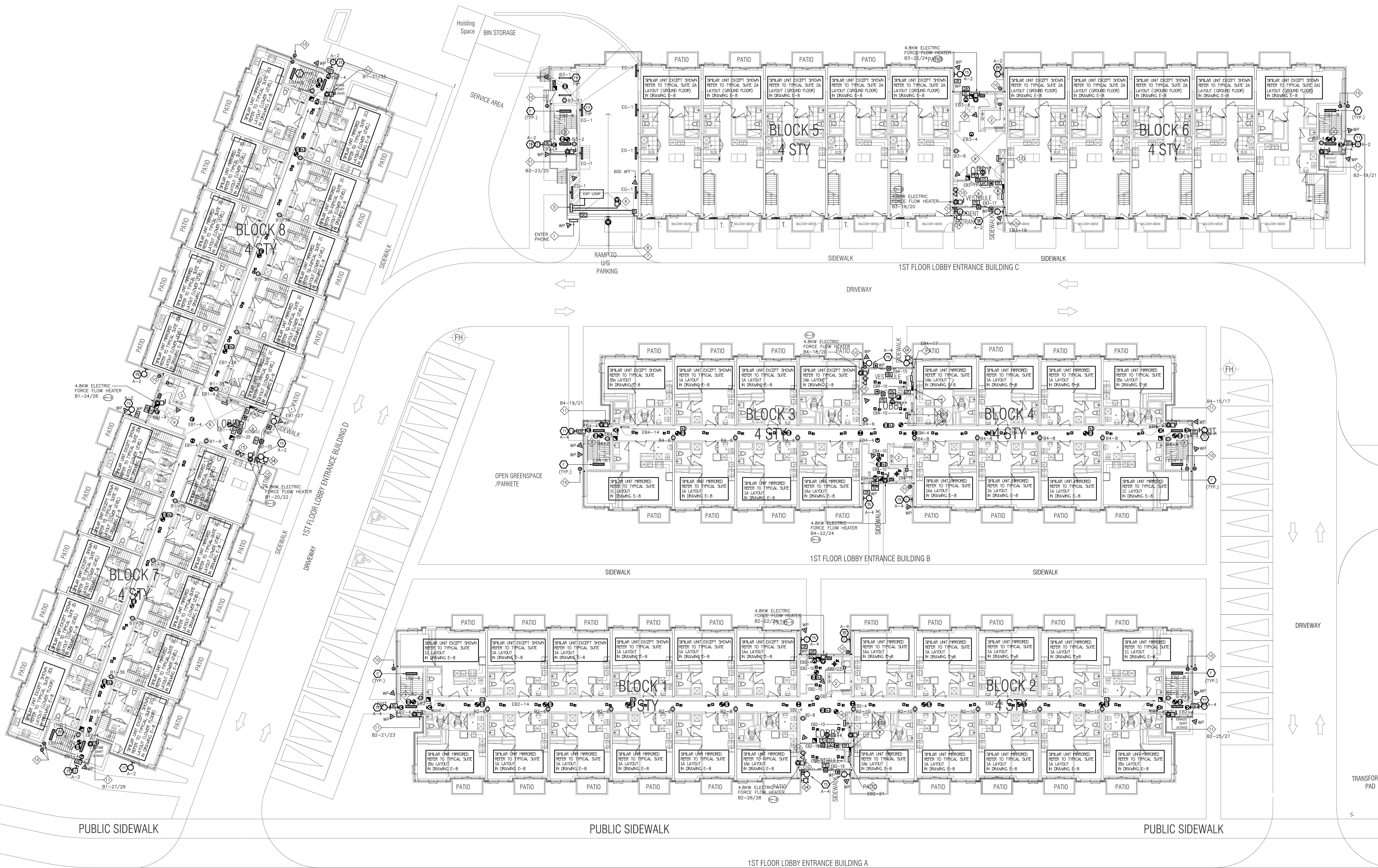
TITLE	PARKING LEVEL ELECTRICAL ROOM LAYOUT
-------	---

ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO

DRAWN SP	CHECKED MG	SCALE 1:150
DATE MAY, 2019	PROJECT 18-017	DRAWING E-2C
		OF 16

KEY NOTES

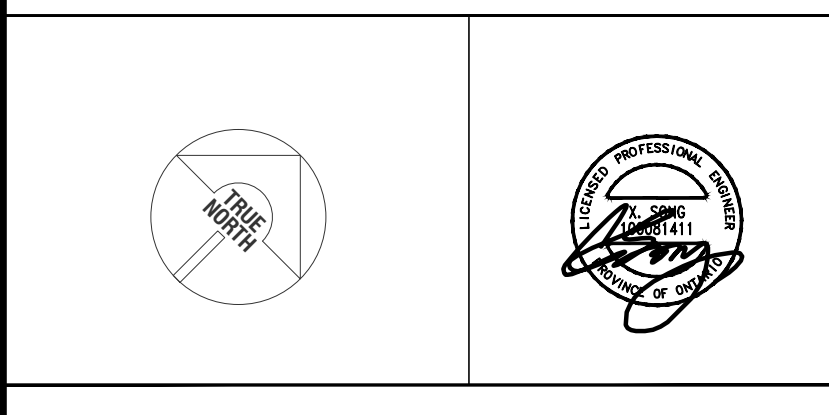
- INTERPHONE PANEL C/W TIE INTO BUILDING CCTV SYSTEM, CARD READER, AND SYSTEM DIALER. CONFIRM EXACT LOCATION ON SITE. WEATHER PROOF
- JUNCTION BOX FOR TR-SORT GARBAGE SYSTEM
- TOP OF STAIR
- SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- FIRE ALARM ANNUNCIATOR (ALL FIRE ALARM ANNUNCIATOR TO BE STAINLESS STEEL - TYPICAL)
- Q/H DOOR CONTROL PANEL TO BE INTERCONNECTED TO FIRE ALARM SYSTEM TO OPEN UPON ACTIVATION OF FIRE ALARM
- Q/H DOOR OPERATOR FED FROM DPE21
- "DO NOT ENTER" SIGNAGE INTERCONNECTED TO FIRE ALARM FED FROM B3-10
- WIRELESS SIGNAL RECEIVER TO ACTIVATE Q/H DOOR AND/OR GATEARMS. WEATHERPROOF
- FOR CEILING LAYOUT LIGHT/FIRE ALARM REFER TO 2ND FLOOR
- 20W NON FREEZE HOSE DR PIPING FROM BELOW COMPLETE WITH ELECTRICAL TRACING AND INSULATION
- 120V ELECTRIC "H-T" TRIPLE FORCE FLOW HEATER ORGAT AS SHOWN
- NOT USED
- BUILDING STATUS ANNUNCIATOR
- FIRE DEPT APPROVED FIRE STROBE LIGHTS TO BE INTERCONNECTED TO FIRE ALARM SYSTEM TO IDENTIFY ACTIVATED BUILDING
- SMART BOXES FOR SPECIAL DELIVERIES, CIRCUITS B1-34/ B2-34/ B3-33/ B4-30
- SMOKE DETECTOR C/W RELAY FOR ELEVATOR RECALL



NO.	BY	DESCRIPTION	DATE
07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
06	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
05	SP	ISSUED FOR ADD E-4	FEB. 08, 2021
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

REVISIONS

This drawing is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. United Engineering Inc. is not responsible for the accuracy of Architectural, structural, interior design, etc., on this drawing. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols or graphic representations only.



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
GROUND FLOOR PLAN ELECTRICAL

PROJECT

BRAMPTON STACKED FORESTSIDE ESTATES

ATTMAR + PALLESCHI DRIVE BRAMPTON, ONTARIO

DRAWN SP	CHECKED MG	SCALE 1:150
DATE MAY, 2019	PROJECT 18-017	DRAWING E-3
		OF 16

KEY NOTES

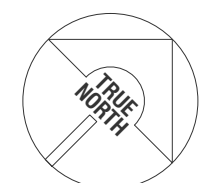
- ◇ SMOKE DETECTOR C/W RELAY FOR ELEVATOR RECALL
◇ JUNCTION BOX FOR THH-SORT GARBAGE SYSTEM



NO.	BY	DESCRIPTION	DATE
07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
06	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
05	SP	ISSUED FOR ADD E-4	FEB. 08, 2021
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	JUNE. 15, 2020
01	SP	ISSUED FOR TENDER	AUG. 02, 2019

REVISIONS

This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. United Engineering Inc. is not responsible for the accuracy of Architectural, structural, interior design, etc., on this drawing. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols are graphic representations only.



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

TITLE
**2ND FLOOR PLAN
ELECTRICAL**

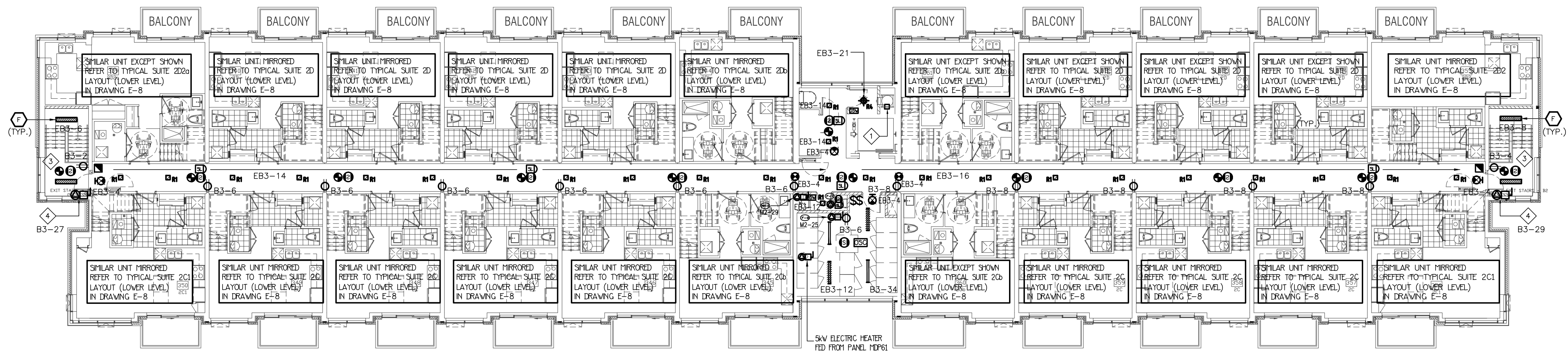
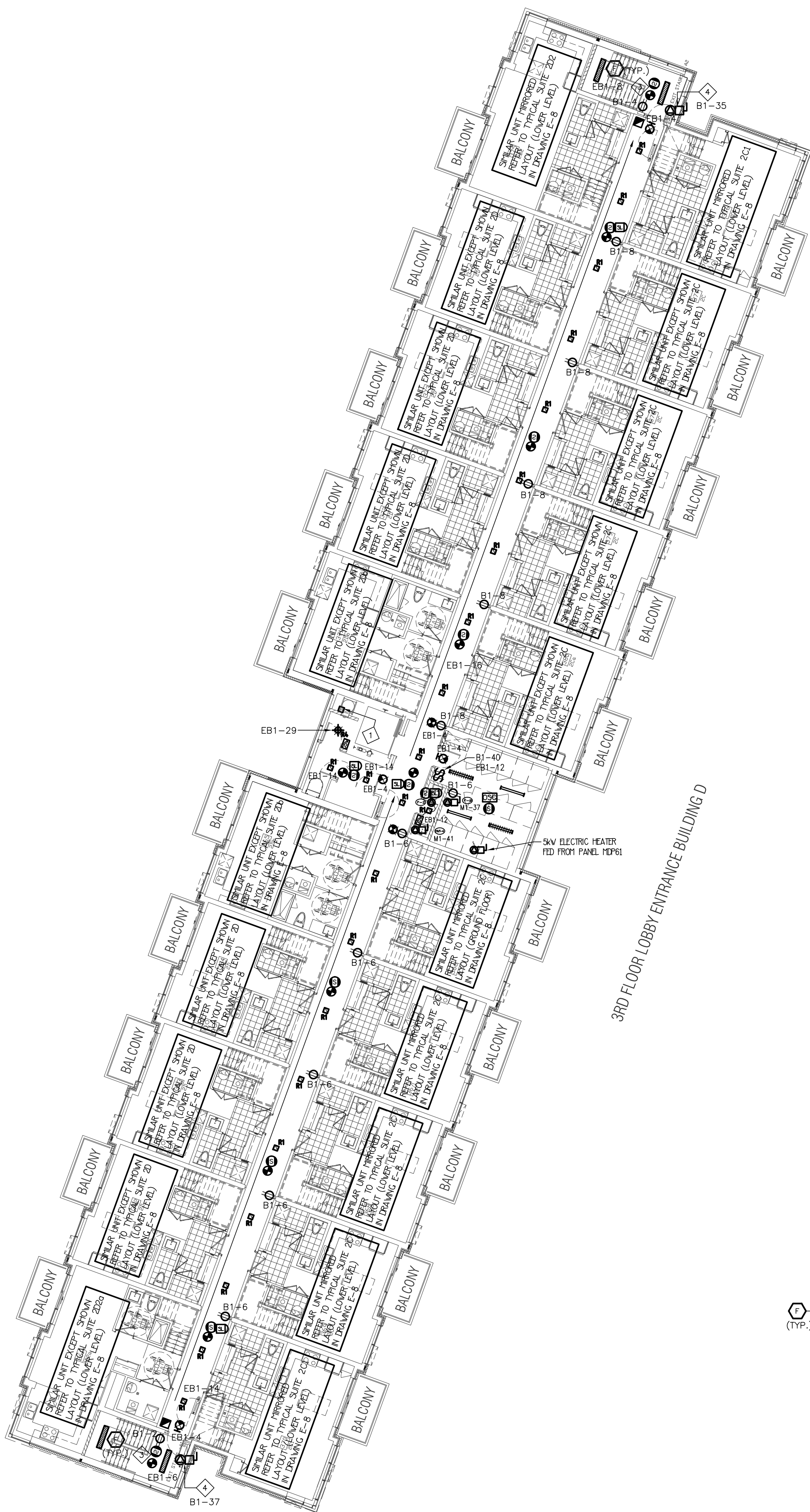
PROJECT
**BRAMPTON STACKED
FORESTSIDE ESTATES**

**ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO**

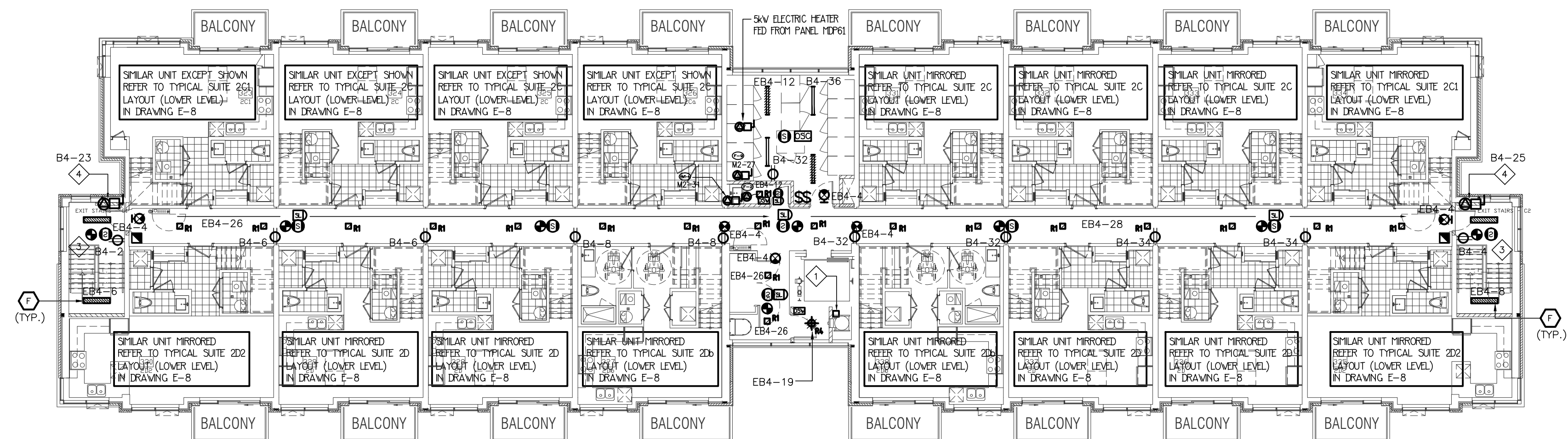
DRAWN	CHECKED	SCALE
SP	MG	1:150
DATE	PROJECT	DRAWING
MAY, 2019	18-017	E-4
		OF 16

KEY NOTES

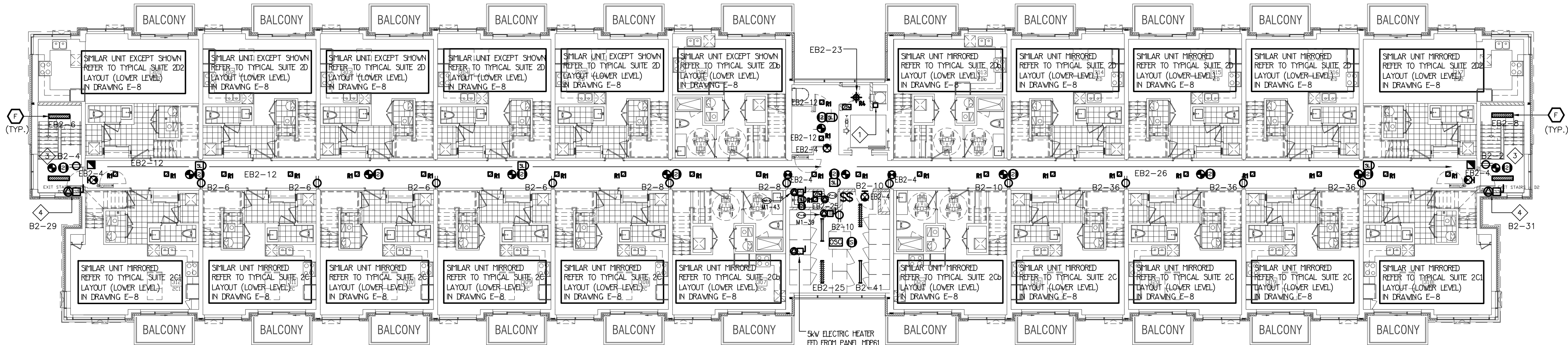
- JUNCTION BOX FOR TR-SORT GARBAGE SYSTEM
- NOT USED
- TOP OF STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- 1.0KW ELECTRIC BASEBOARD HEATER



3RD FLOOR LOBBY ENTRANCE BUILDING C



3RD FLOOR LOBBY ENTRANCE BUILDING B



3RD FLOOR LOBBY ENTRANCE BUILDING A

NO.	BY	DESCRIPTION	DATE
07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
06	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
05	SP	ISSUED FOR ADD E-4	FEB. 08, 2021
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

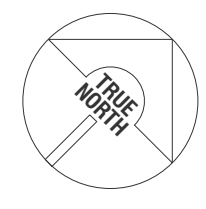
REVISIONS

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

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

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

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

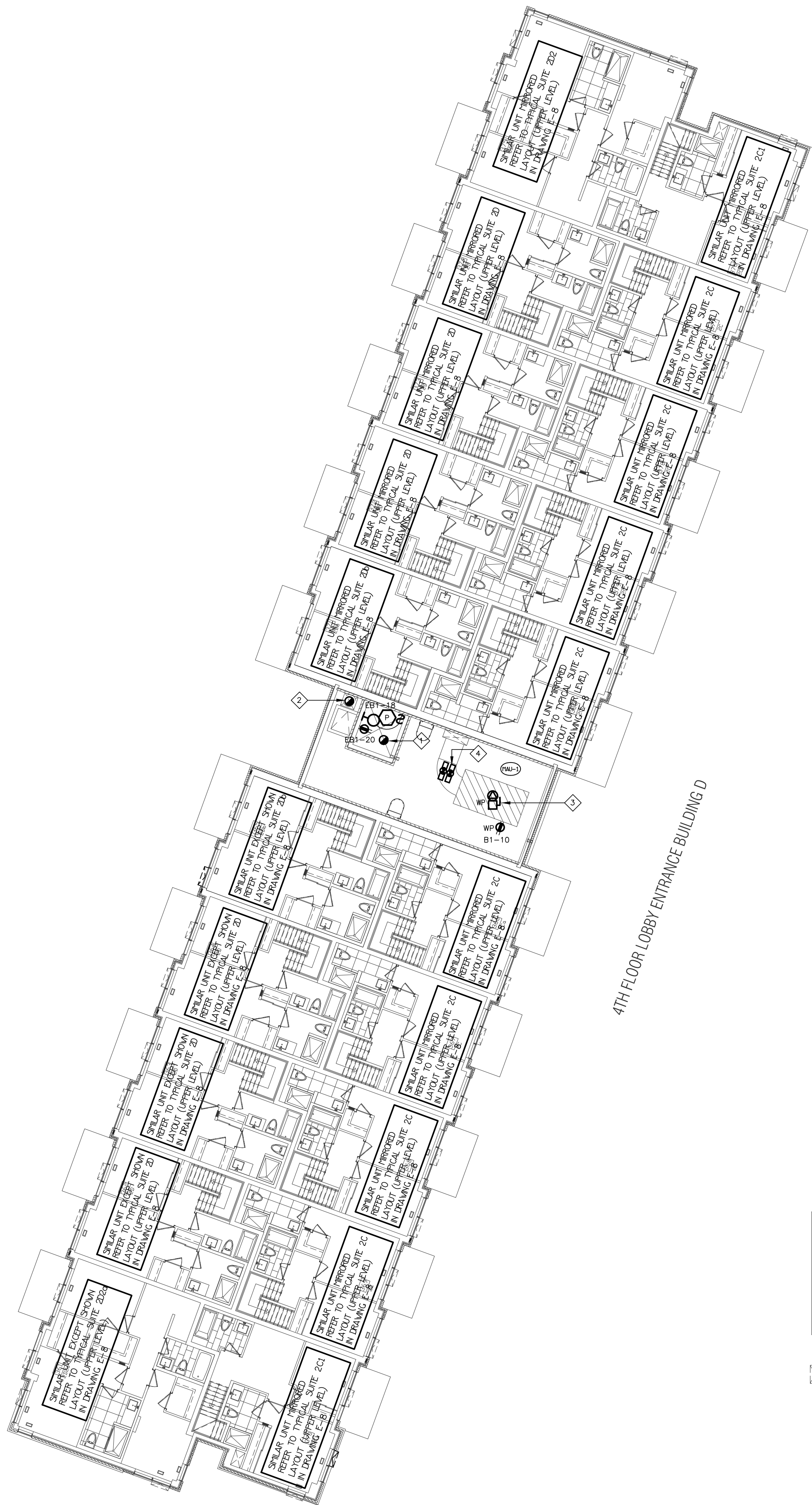


UNITED ENGINEERING INC.
Mechanical Electrical Consulting Engineers
3645 Keele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1995, Fax: (416) 398 1933

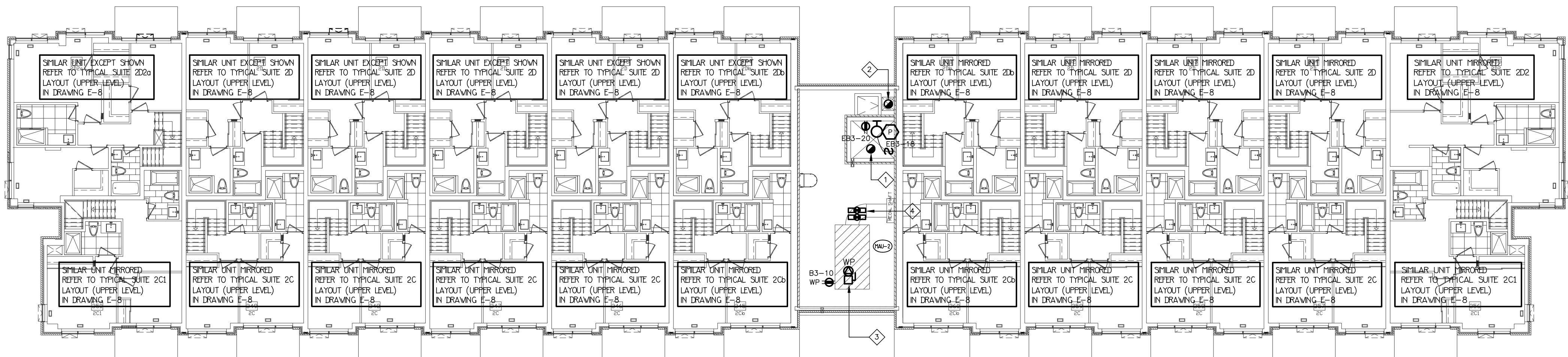
FILE	3RD FLOOR PLAN ELECTRICAL
PROJECT	BRAMPTON STACKED FORESTSIDE ESTATES
ATTMAR + PALLESCHI DRIVE BRAMPTON, ONTARIO	
DRAWN SP	CHECKED MG
DATE MAY, 2019	SCALE 1:150
	PROJECT DRAWING E-5
	OF 16

KEY NOTES

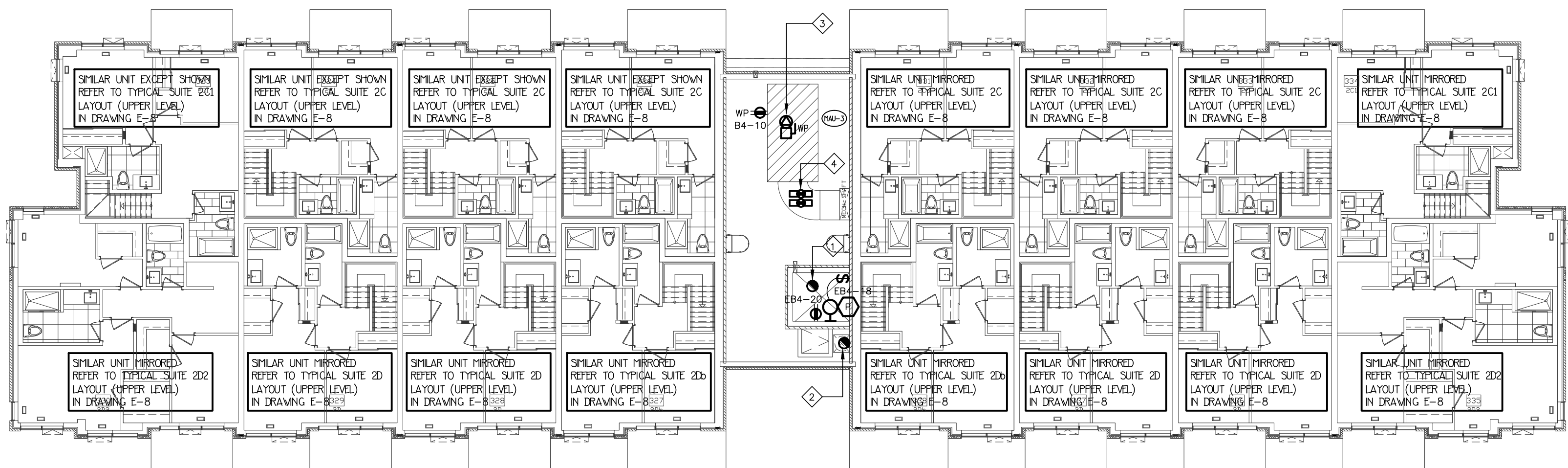
- ELEVATOR SHAFT HEAT DETECTOR AT TOP OF SHAFT
- HEAT DETECTOR AT THE TOP OF GARBAGE CHUTE C/W FIRE ALARM ZONE
- MAKE UP AIR UNIT (MOUNTED ON ROOF) FED FROM MOIST
- DUCT MOUNTED SMOKE DETECTOR C/W FIRE ALARM ZONE



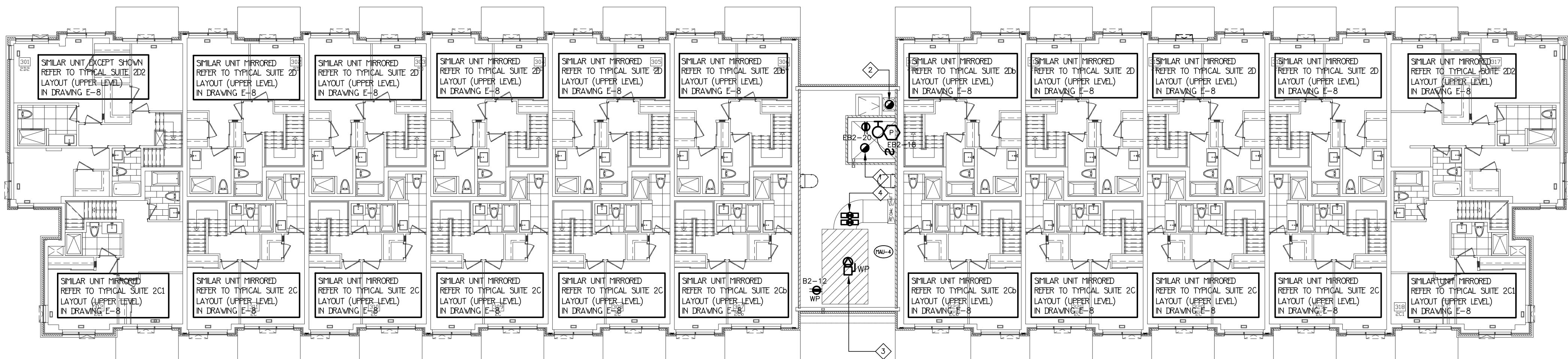
4TH FLOOR LOBBY ENTRANCE BUILDING D



4TH FLOOR LOBBY ENTRANCE BUILDING C



4TH FLOOR LOBBY ENTRANCE BUILDING B



4TH FLOOR LOBBY ENTRANCE BUILDING A

NO.	BY	DESCRIPTION	DATE
07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
06	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
05	SP	ISSUED FOR ADD E-4	FEB. 08, 2021
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

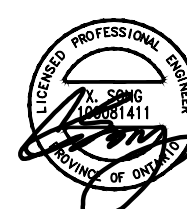
REVISIONS

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

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

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

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



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

TITLE
**4TH FLOOR PLAN
ELECTRICAL**

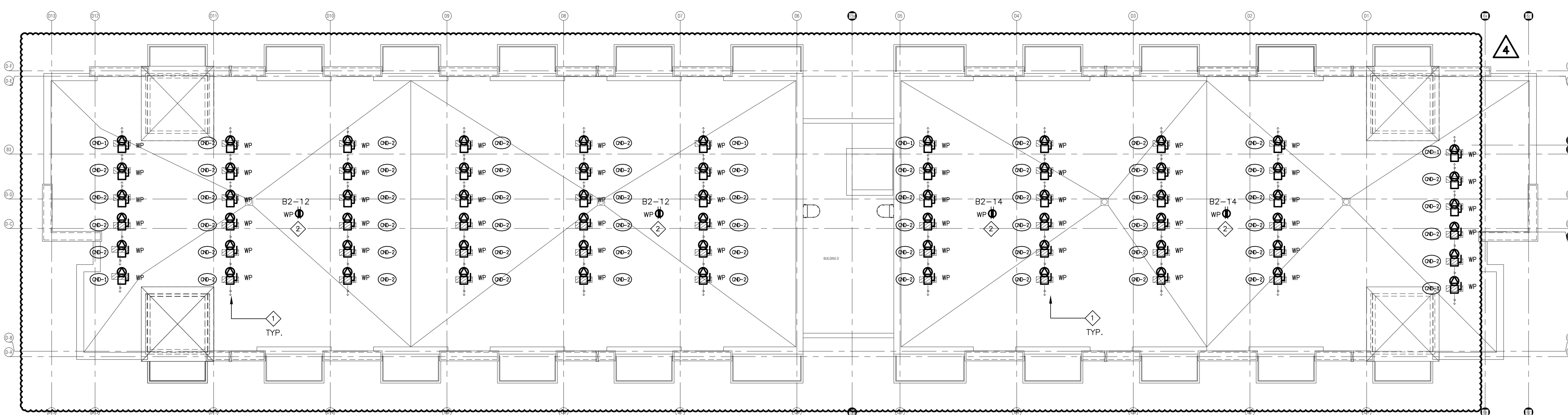
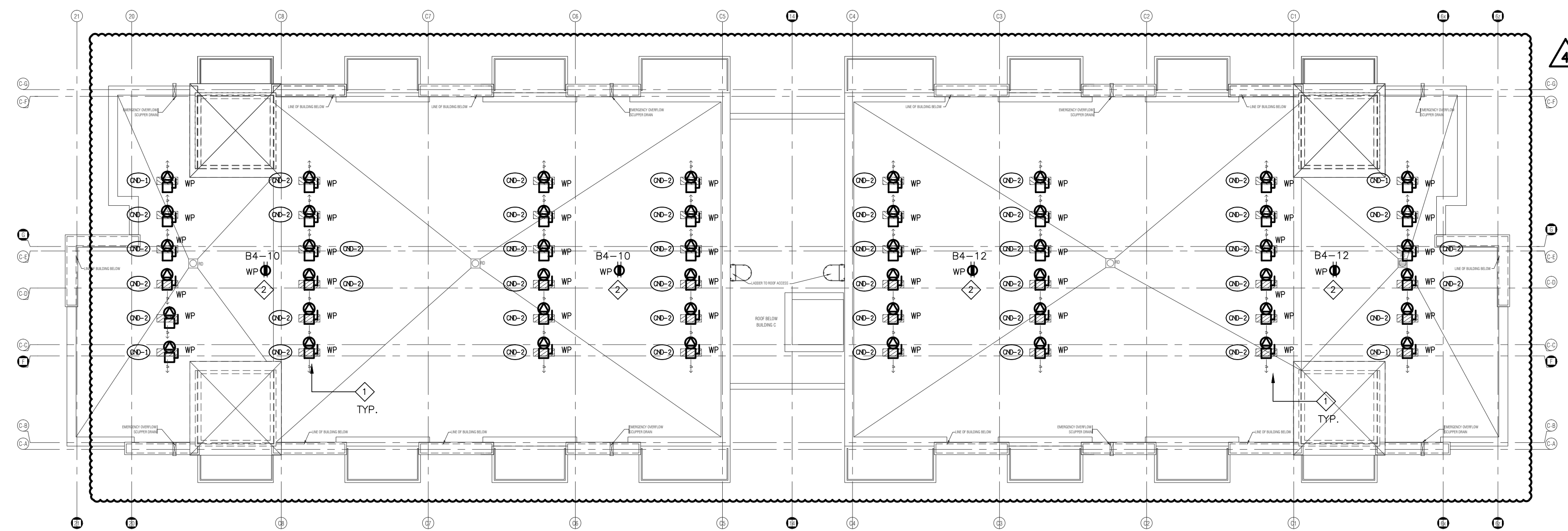
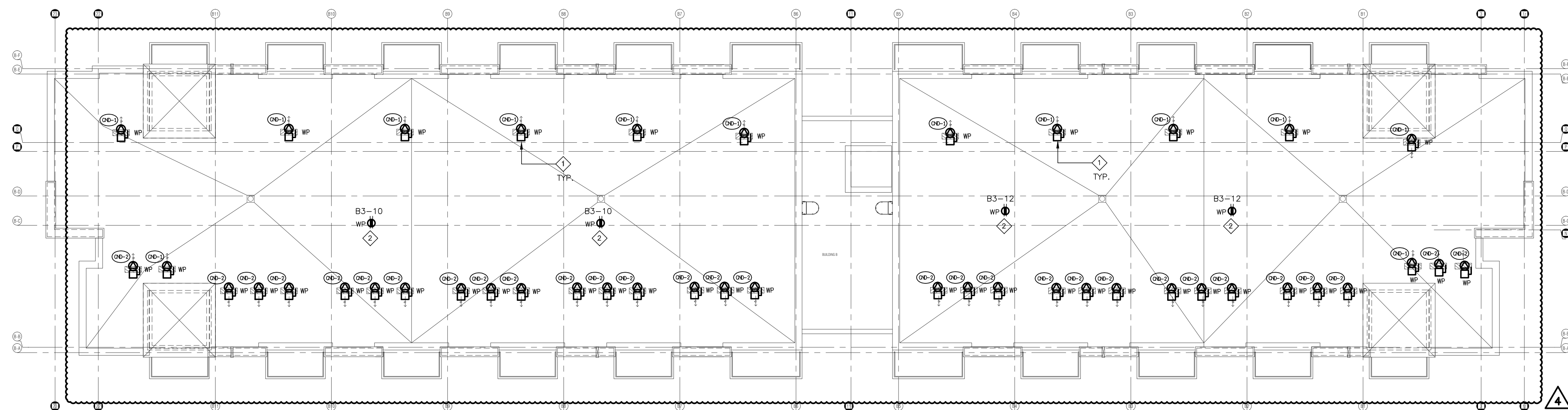
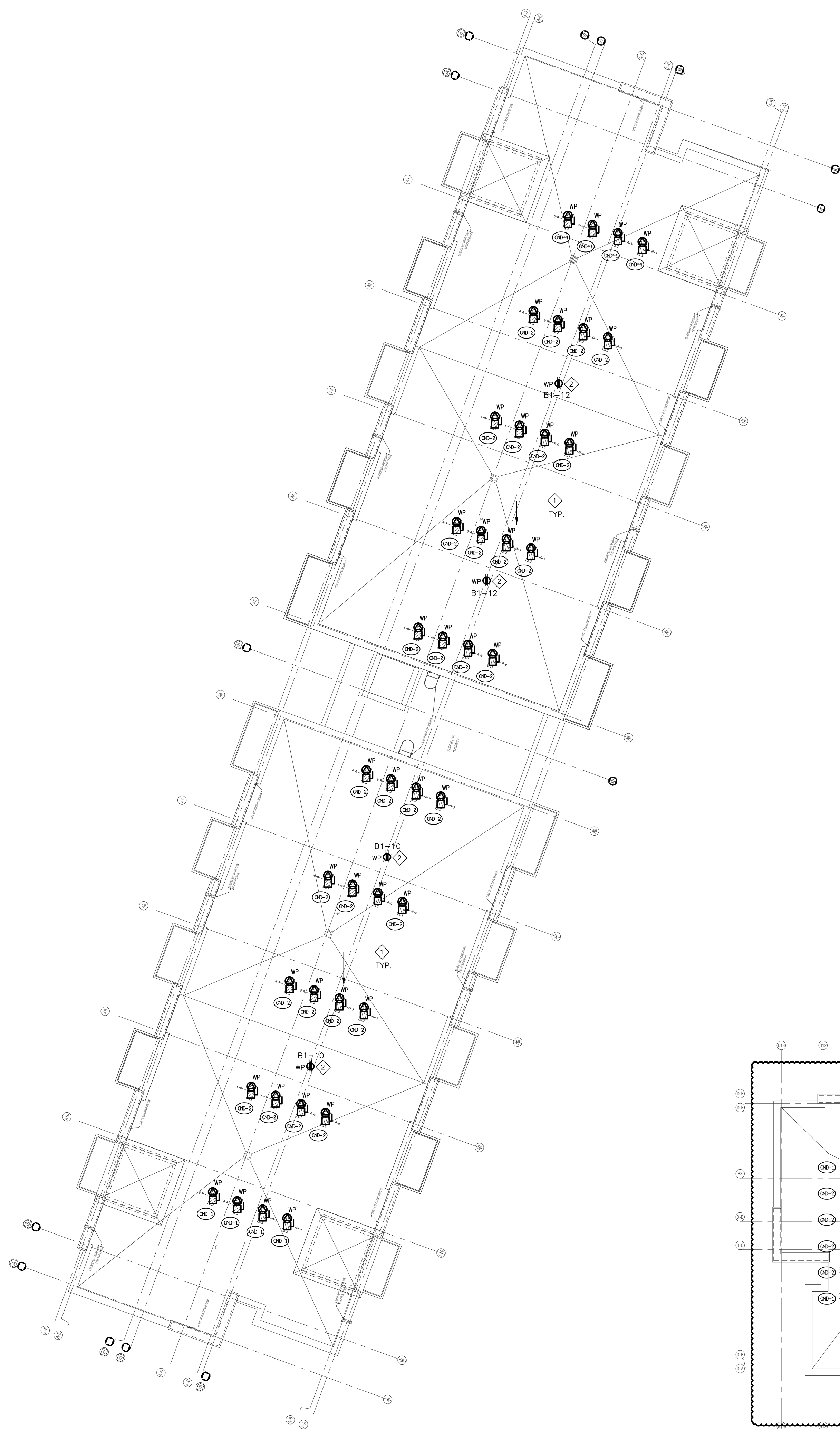
PROJECT
**BRAMPTON STACKED
FORESTSIDE ESTATES**

ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO

DRAWN SP	CHECKED MG	SCALE 1:150
DATE MAY, 2019	PROJECT 18-017	DRAWING E-6 OF 16

KEY NOTES

- ◇ CONDENSING UNIT FED FROM STACKED HOUSE SUITE PANEL
REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITY
- ◇ WEATHER PROOF PEDESTAL MOUNTED RECEPTACLES



NO.	BY	DESCRIPTION	DATE
07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
05	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
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

REVISIONS

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

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

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

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



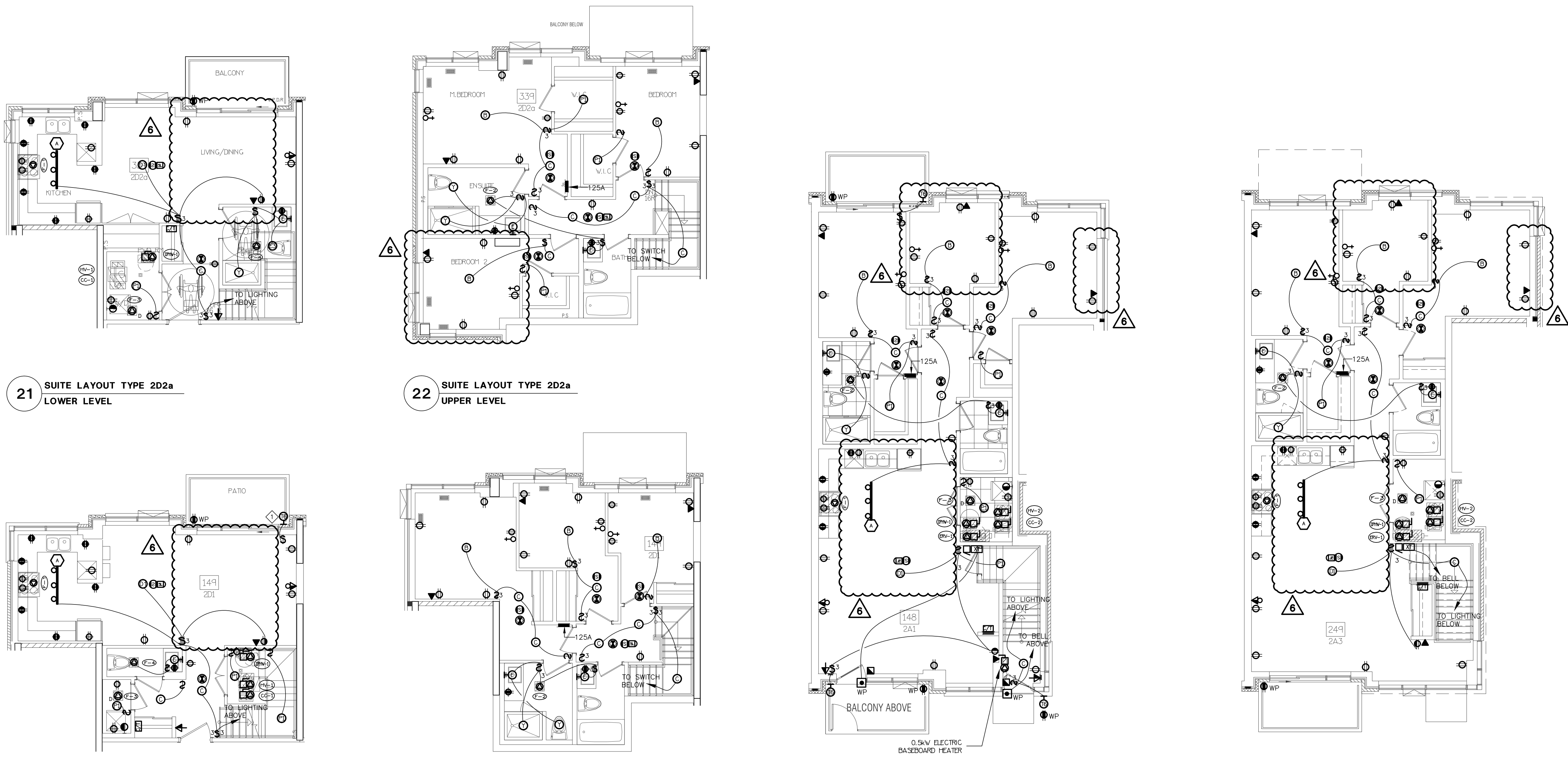
UNITED ENGINEERING INC.
Mechanical Electrical Consulting Engineers
3645 Keele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1999, Fax: (416) 398 1933

TITLE
**ROOF PLAN
ELECTRICAL**

PROJECT

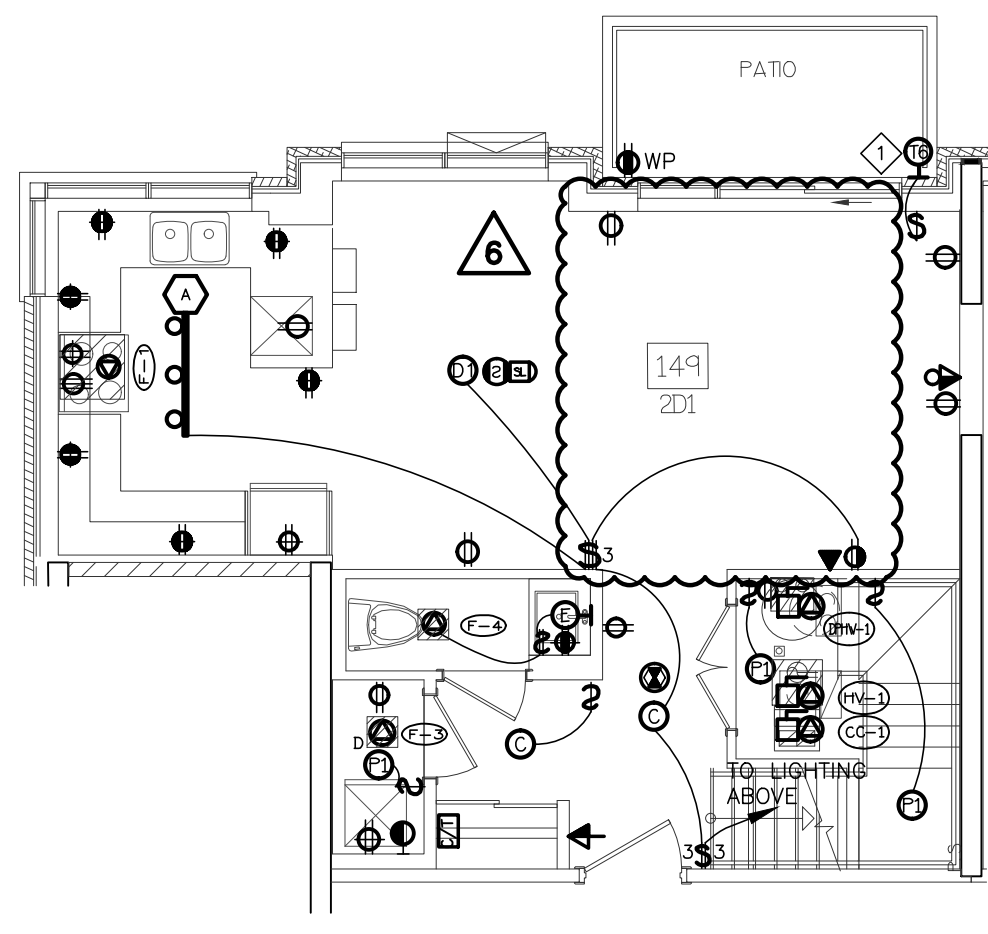
**BRAMPTON STACKED
FORESTSIDE ESTATES**
**ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO**

DRAWN SP	CHECKED MG	SCALE 1:150
DATE MAY, 2019	PROJECT 18-017	DRAWING E-7 OF 16

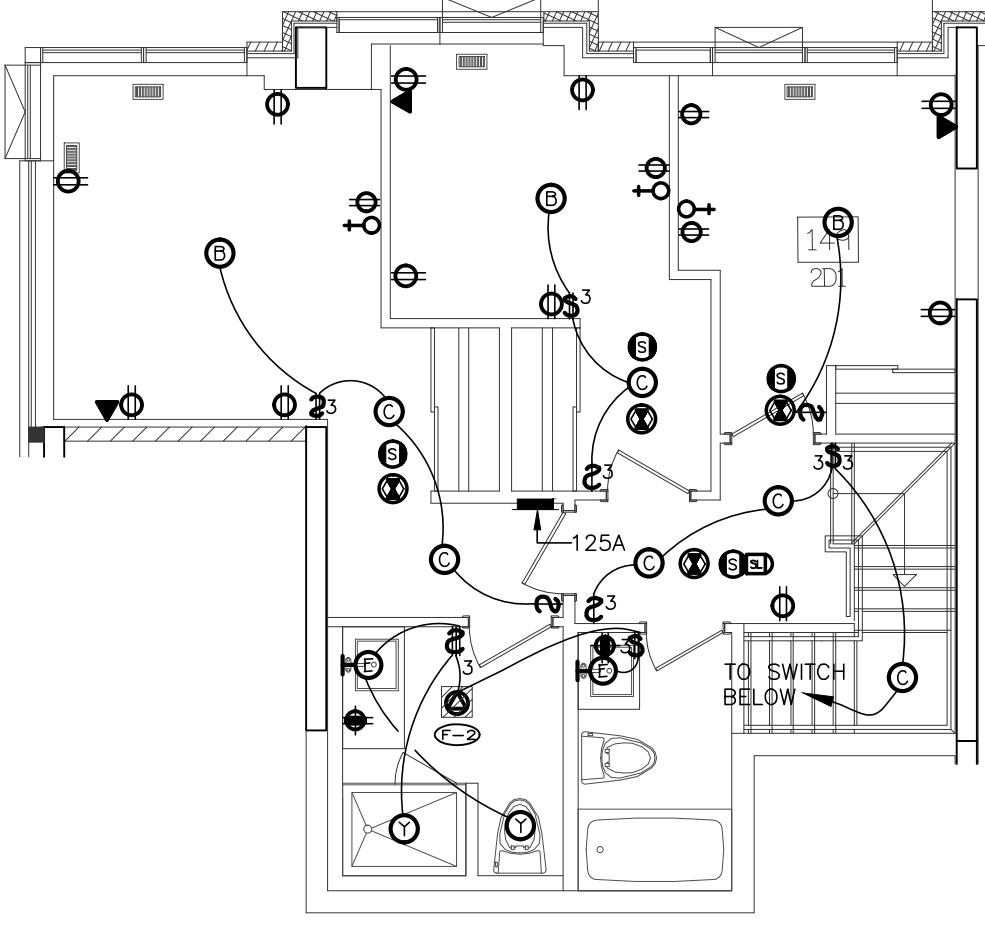


21 SUITE LAYOUT TYPE 2D2a
LOWER LEVEL

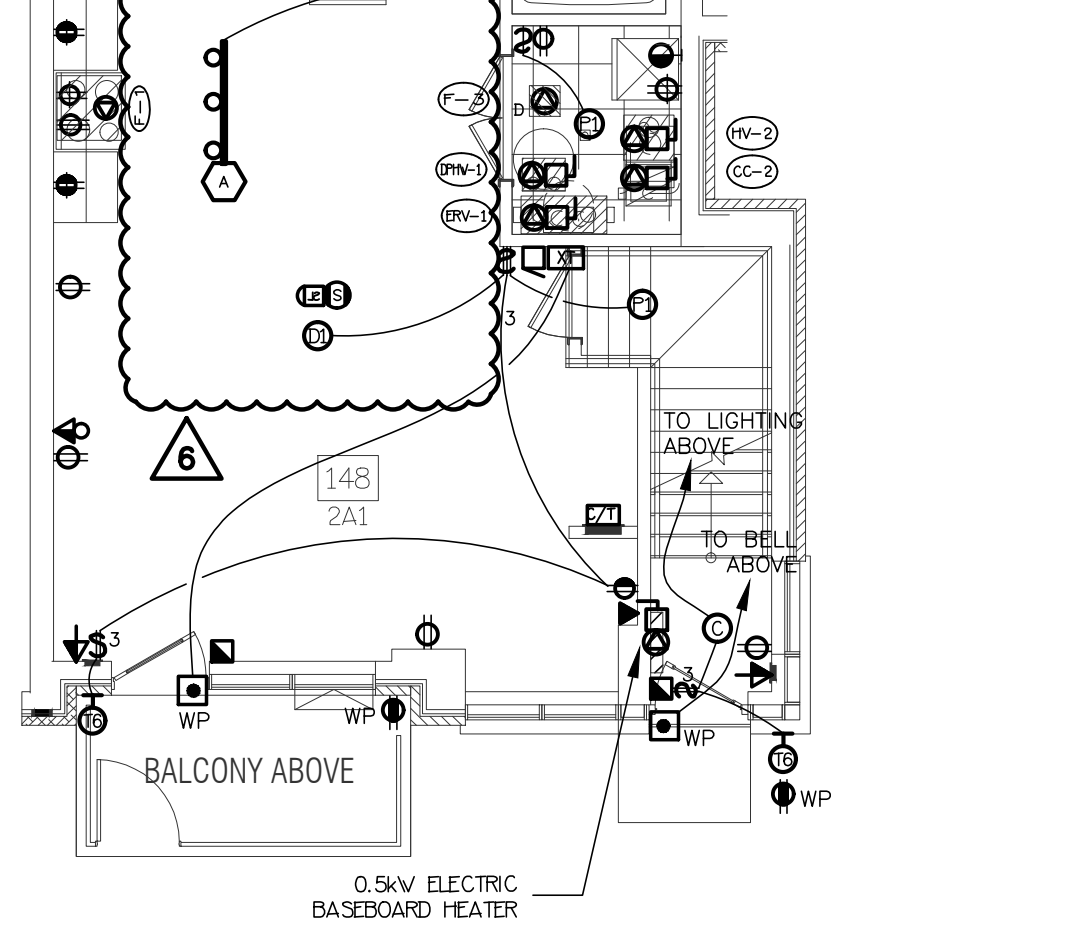
22 SUITE LAYOUT TYPE 2D2a
UPPER LEVEL



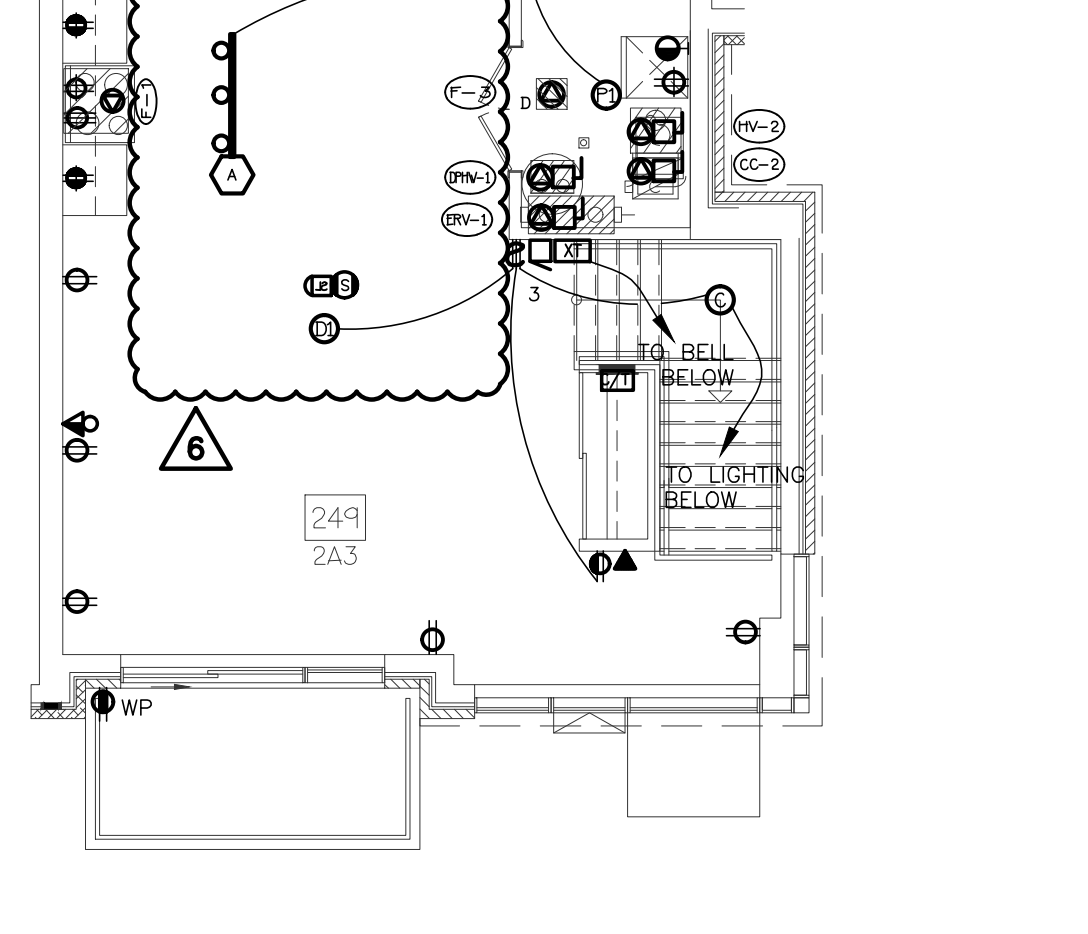
17 SUITE LAYOUT TYPE 2D1
LOWER LEVEL



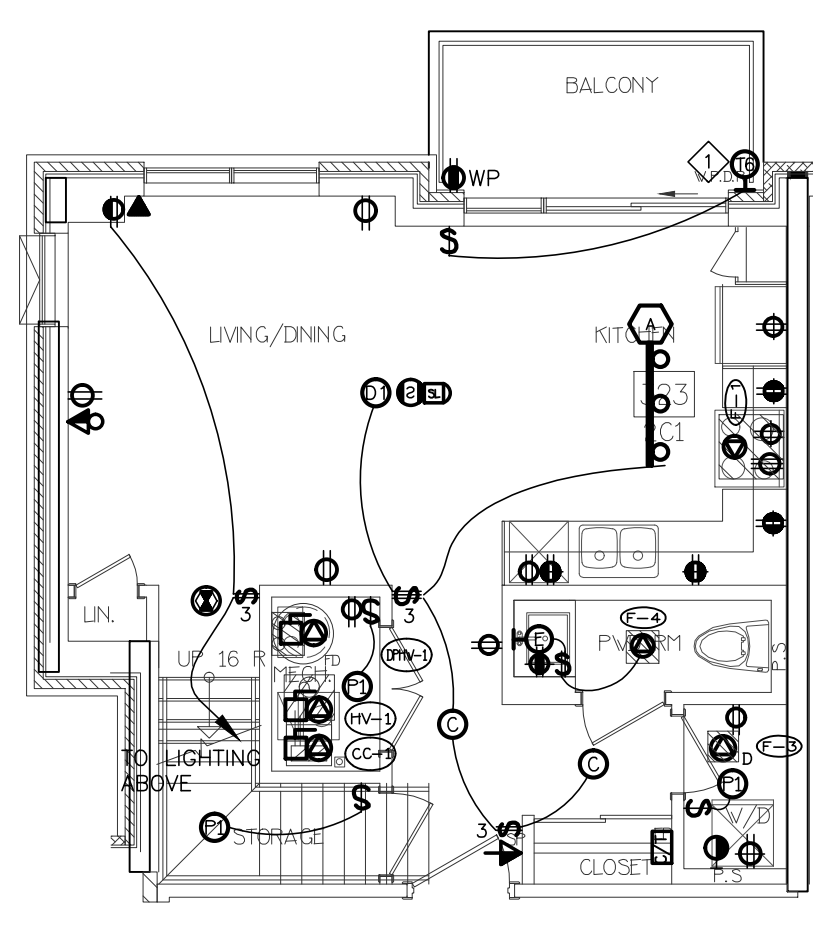
18 SUITE LAYOUT TYPE 2D1
UPPER LEVEL



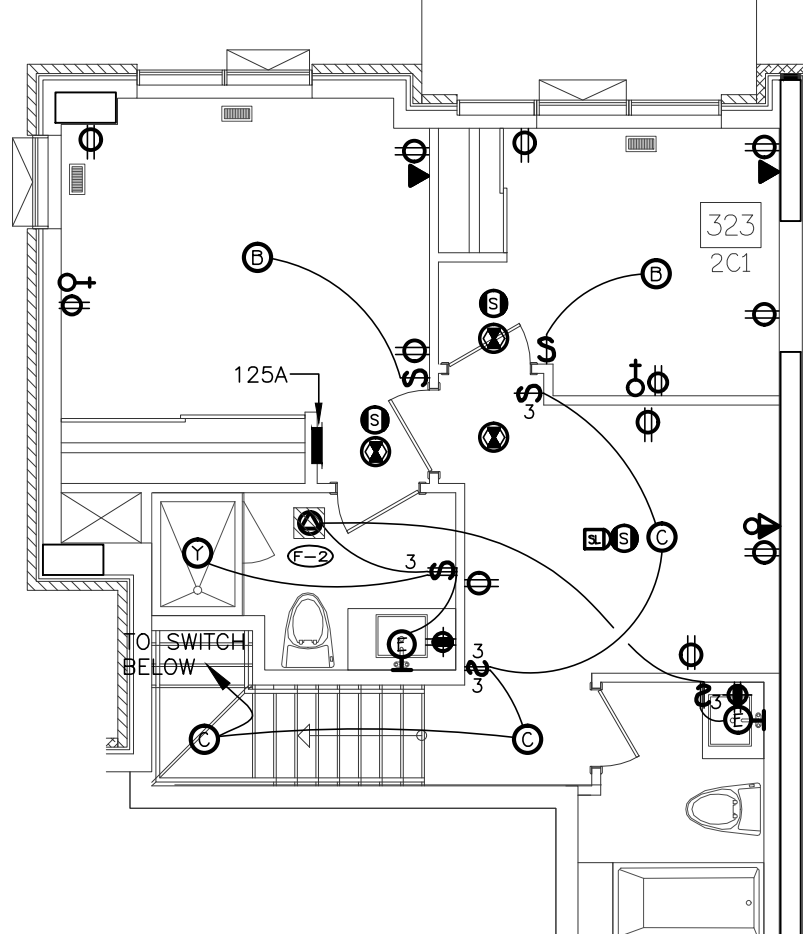
19 SUITE LAYOUT TYPE 2A1 & 2A3
GROUND FLOOR



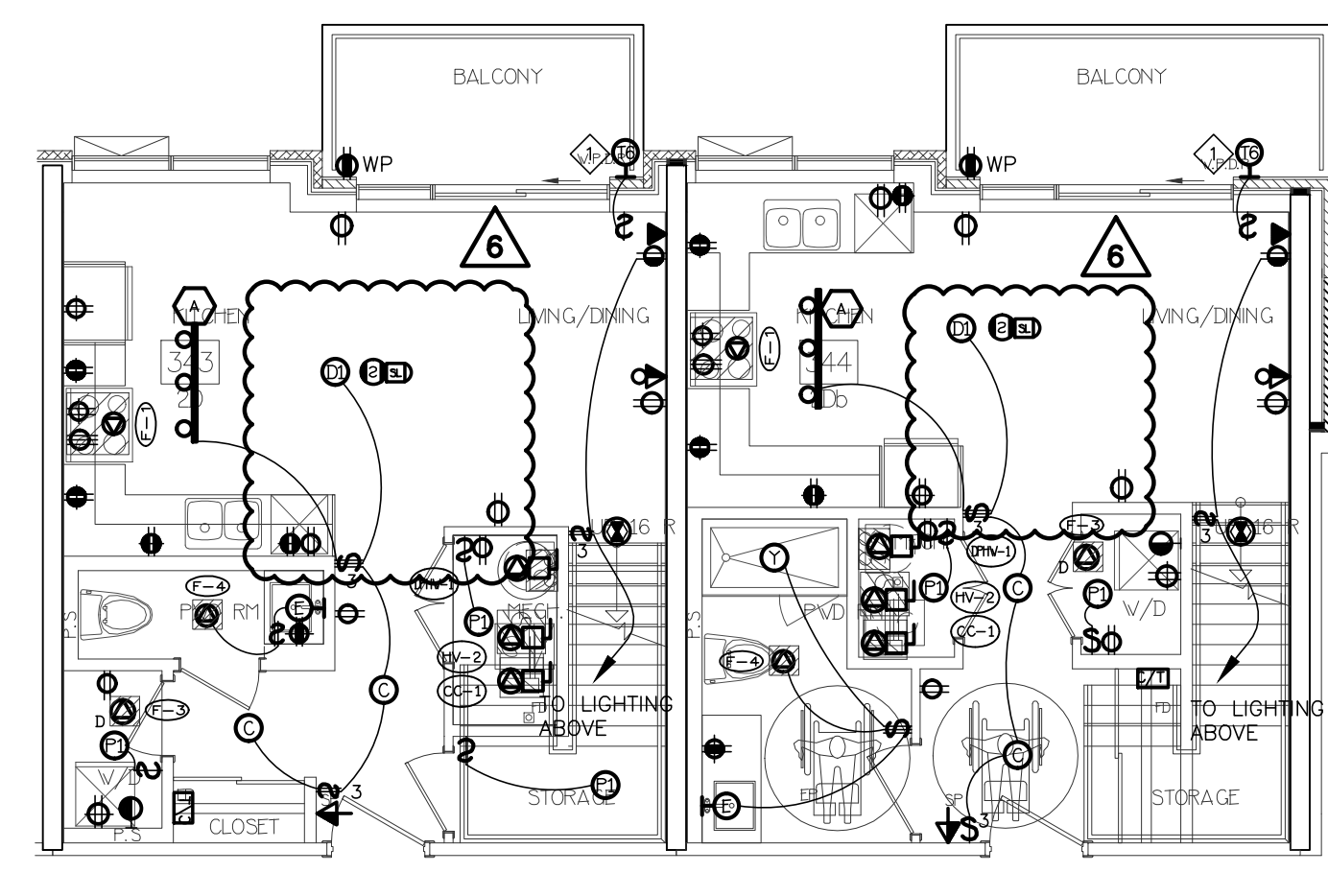
20 SUITE LAYOUT TYPE 2A3
SECOND FLOOR



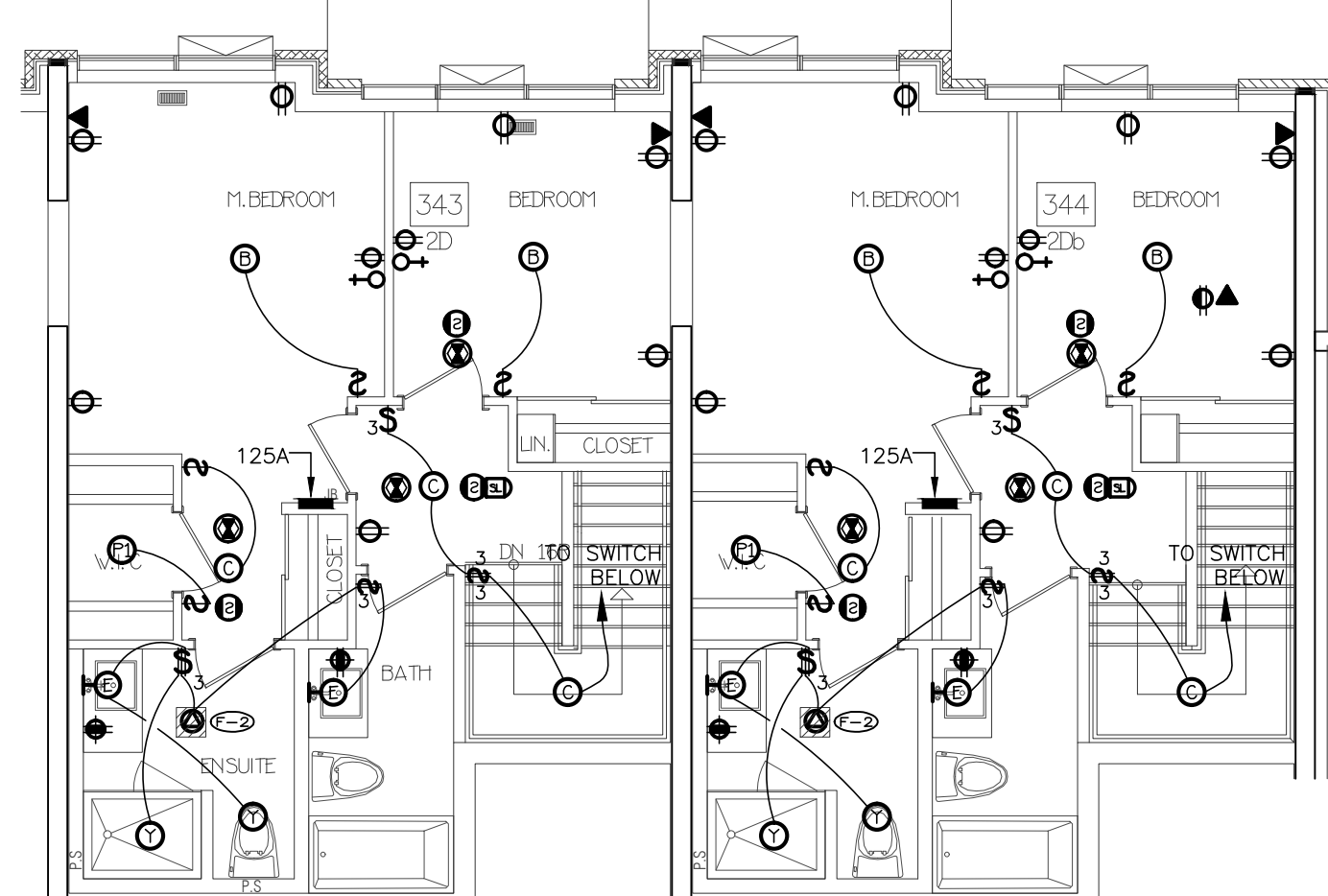
11 SUITE LAYOUT TYPE 2C1
LOWER LEVEL



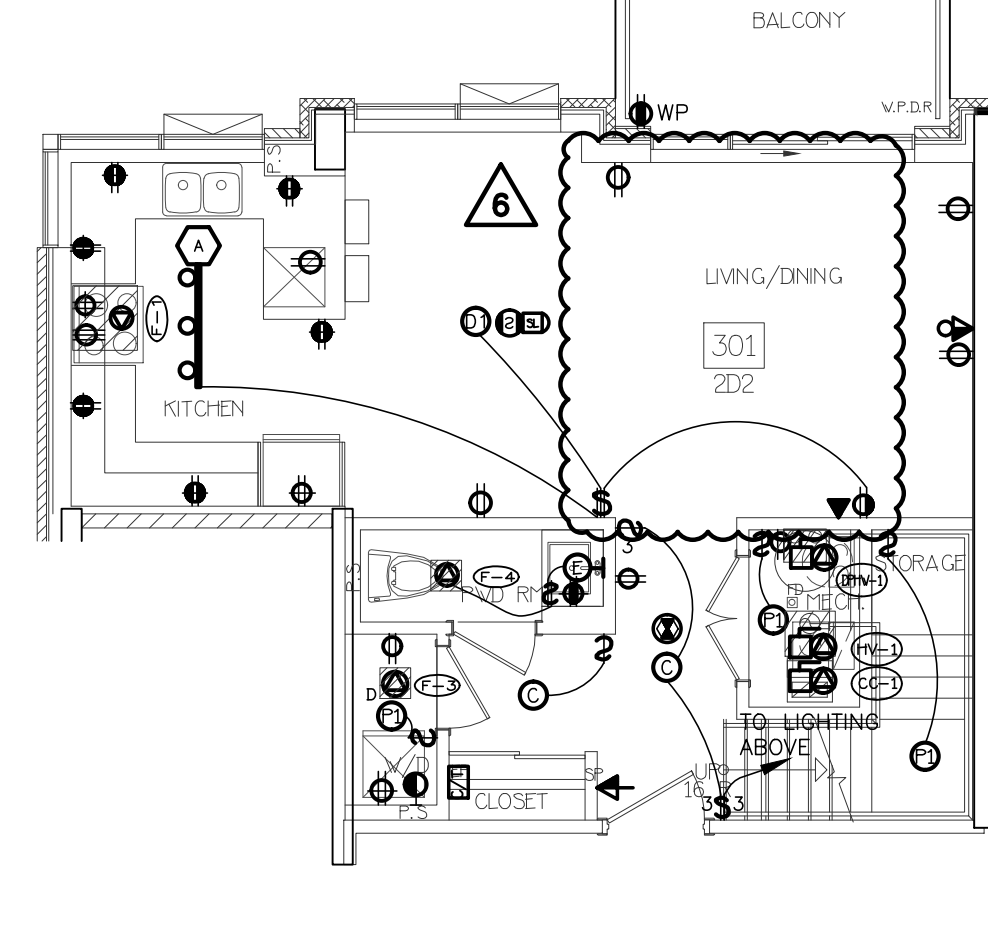
12 SUITE LAYOUT TYPE 2C1
UPPER LEVEL



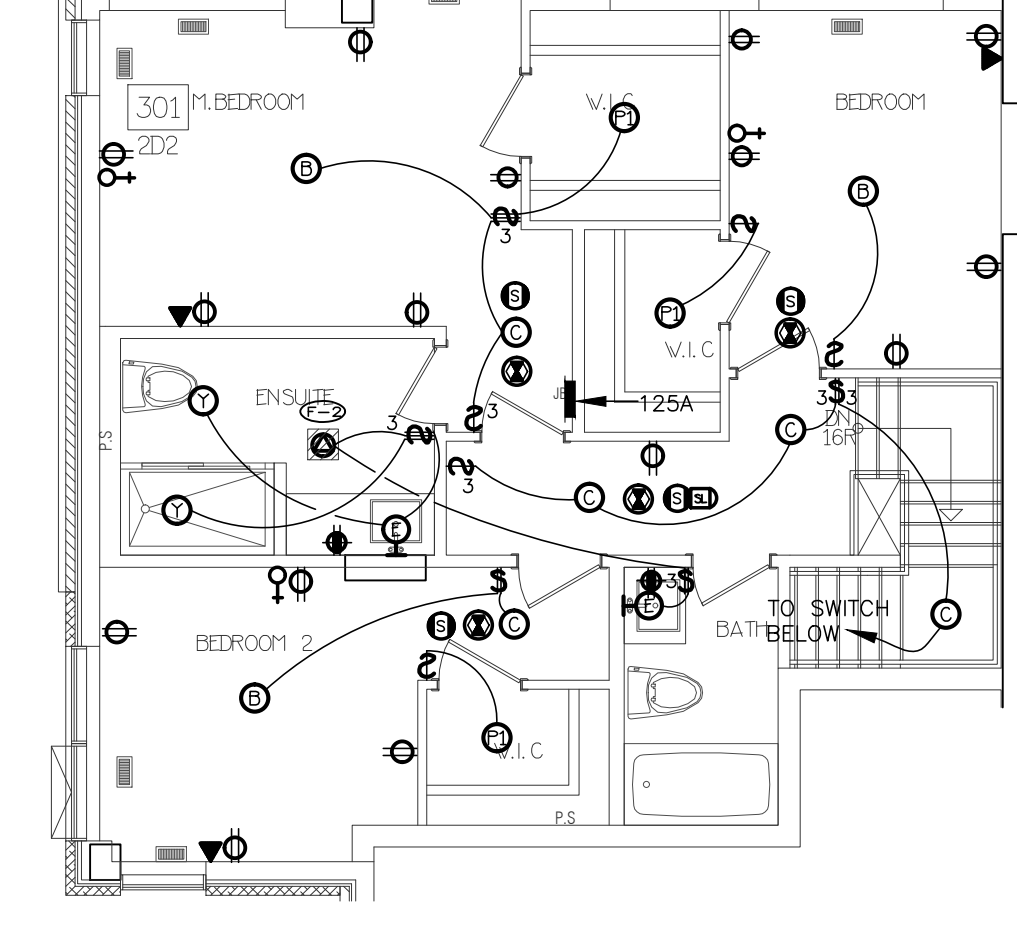
13 SUITE LAYOUT TYPE 2D & 2Db
LOWER LEVEL



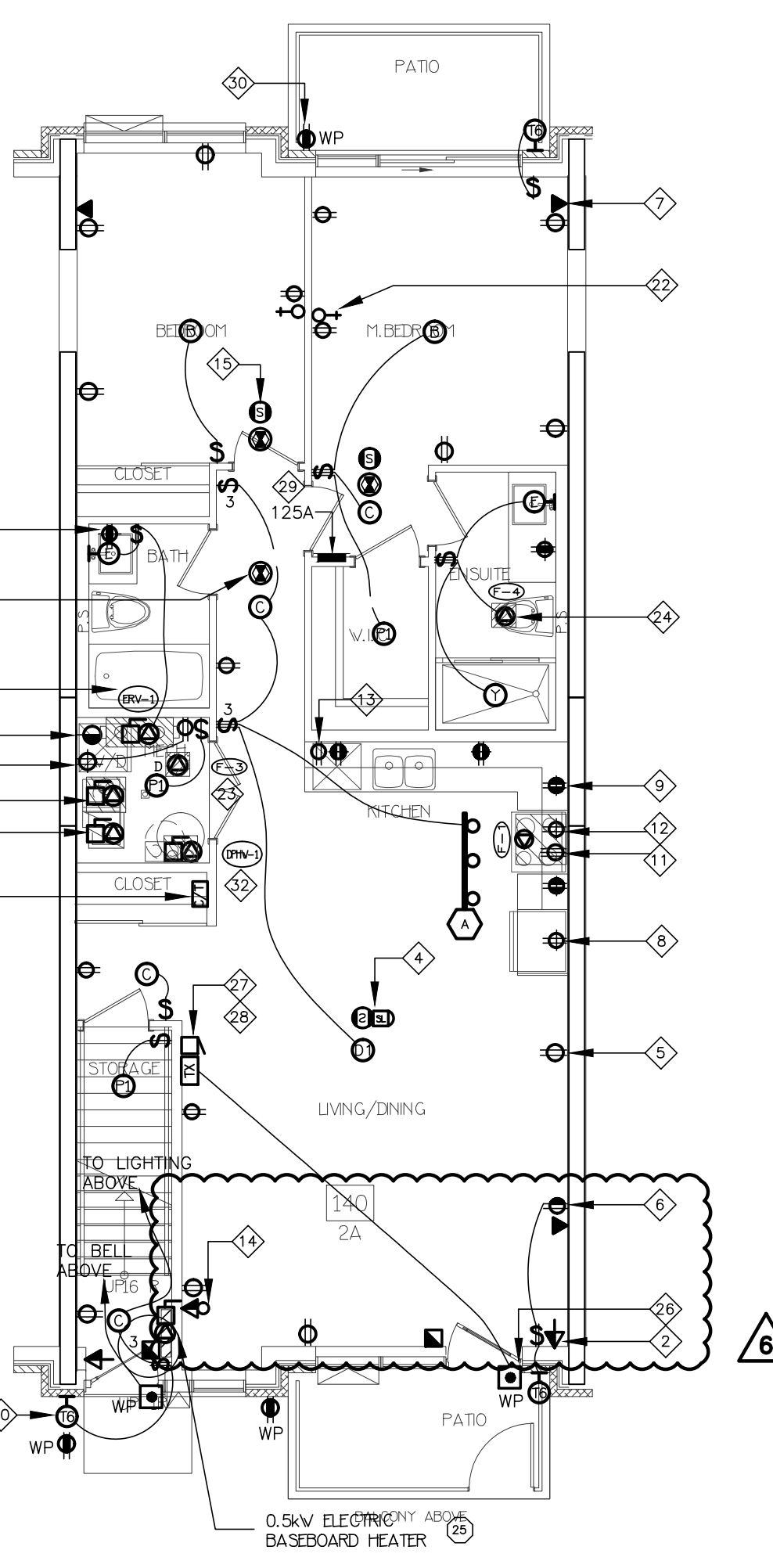
14 SUITE LAYOUT TYPE 2D & 2Db
UPPER LEVEL



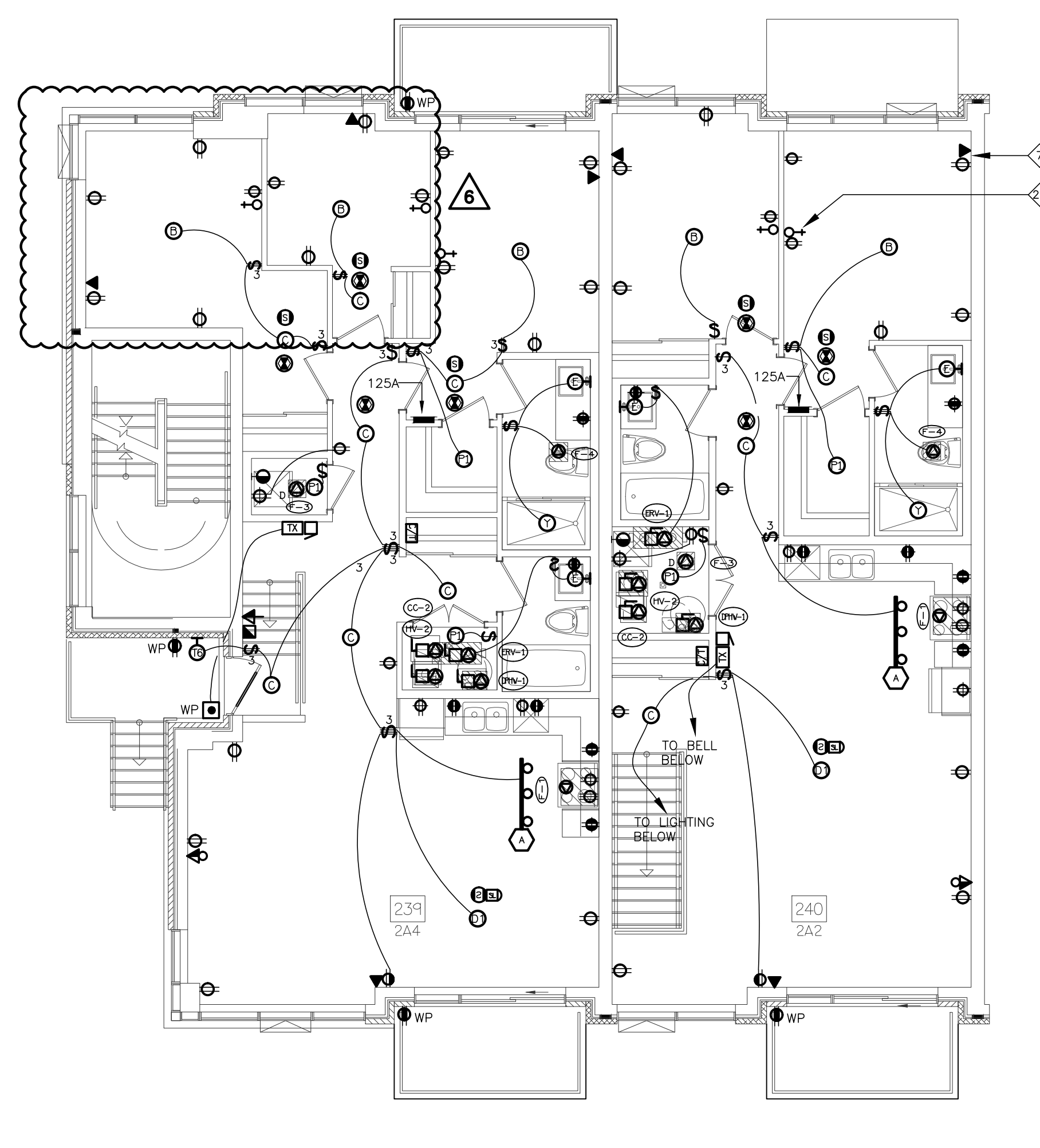
15 SUITE LAYOUT TYPE 2D2
LOWER LEVEL



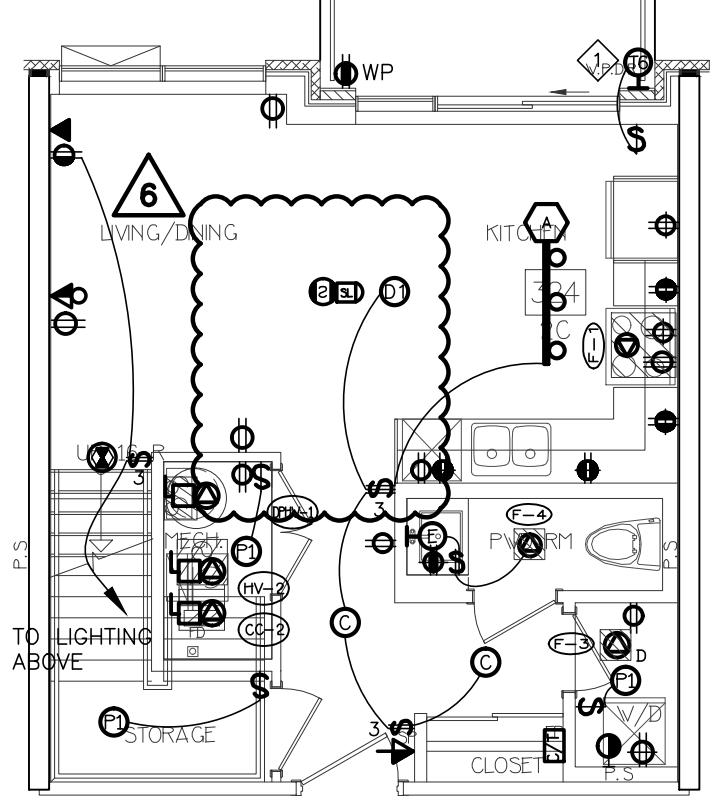
16 SUITE LAYOUT TYPE 2D2
UPPER LEVEL



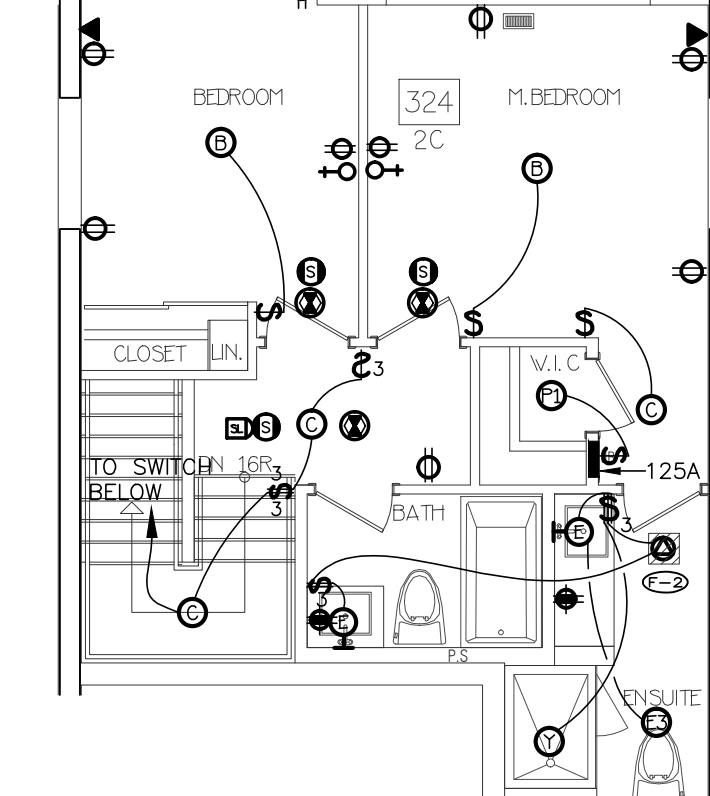
1 SUITE LAYOUT TYPE 2A & 2A2
GROUND FLOOR



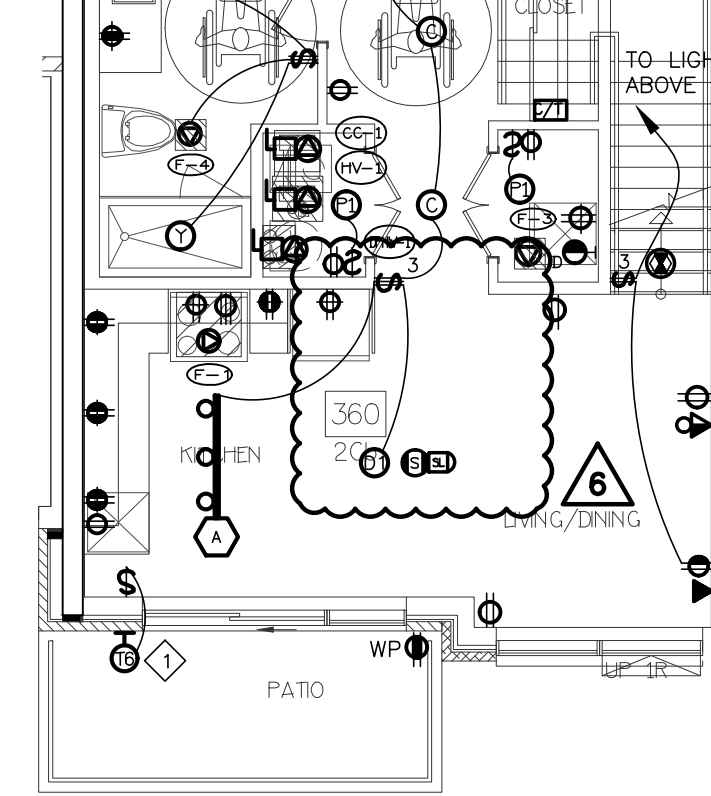
2 SUITE LAYOUT TYPE 2A4 & 2A2
SECOND FLOOR



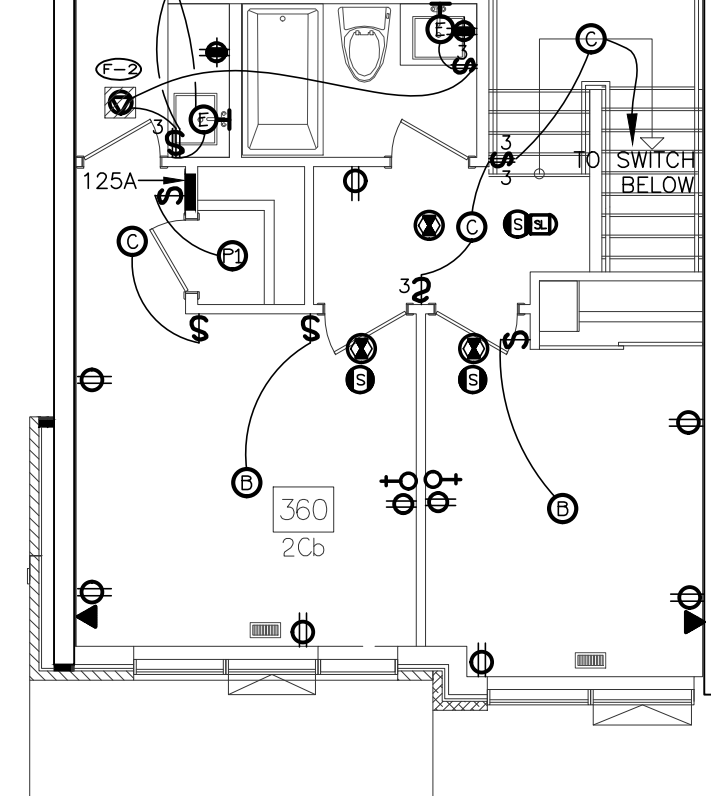
7 SUITE LAYOUT TYPE 2C & 2Ca
LOWER LEVEL



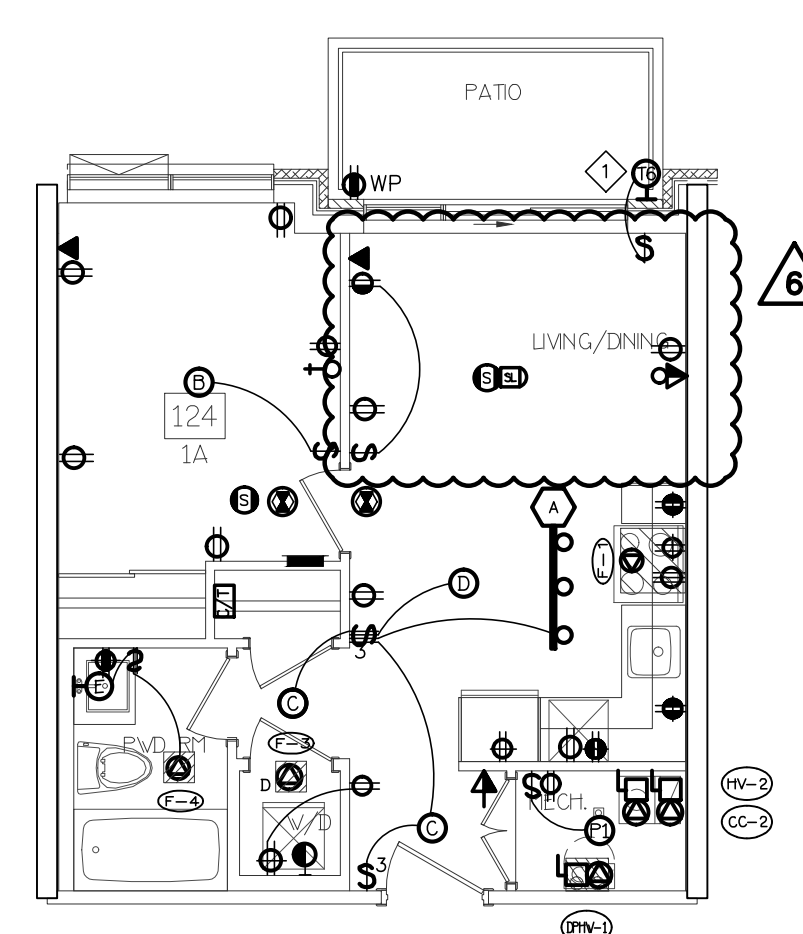
8 SUITE LAYOUT TYPE 2C & 2Ca
UPPER LEVEL



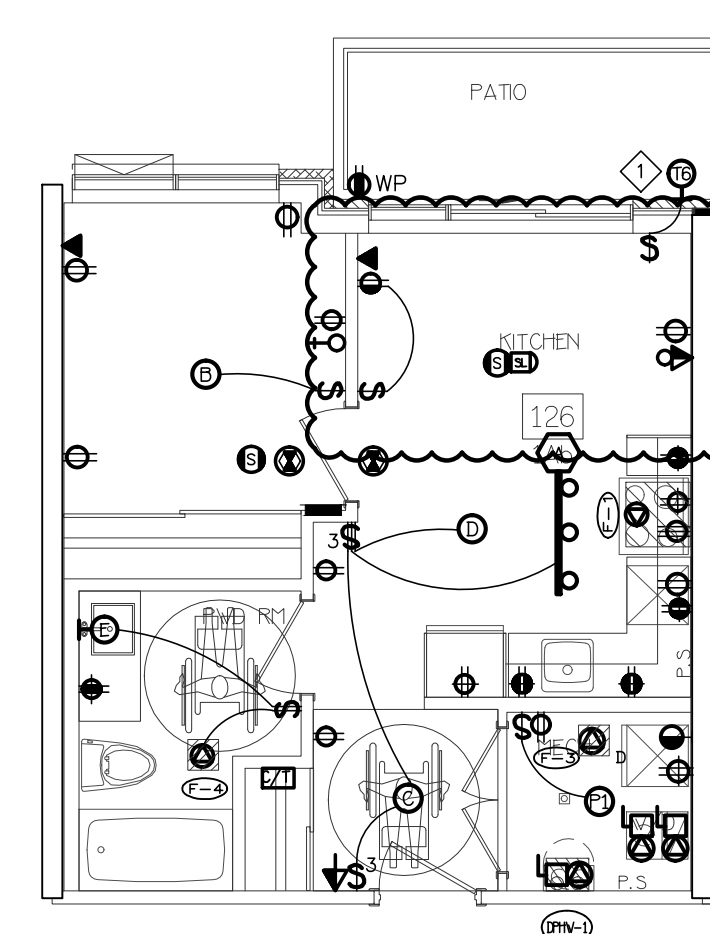
9 SUITE LAYOUT TYPE 2Cb
LOWER LEVEL



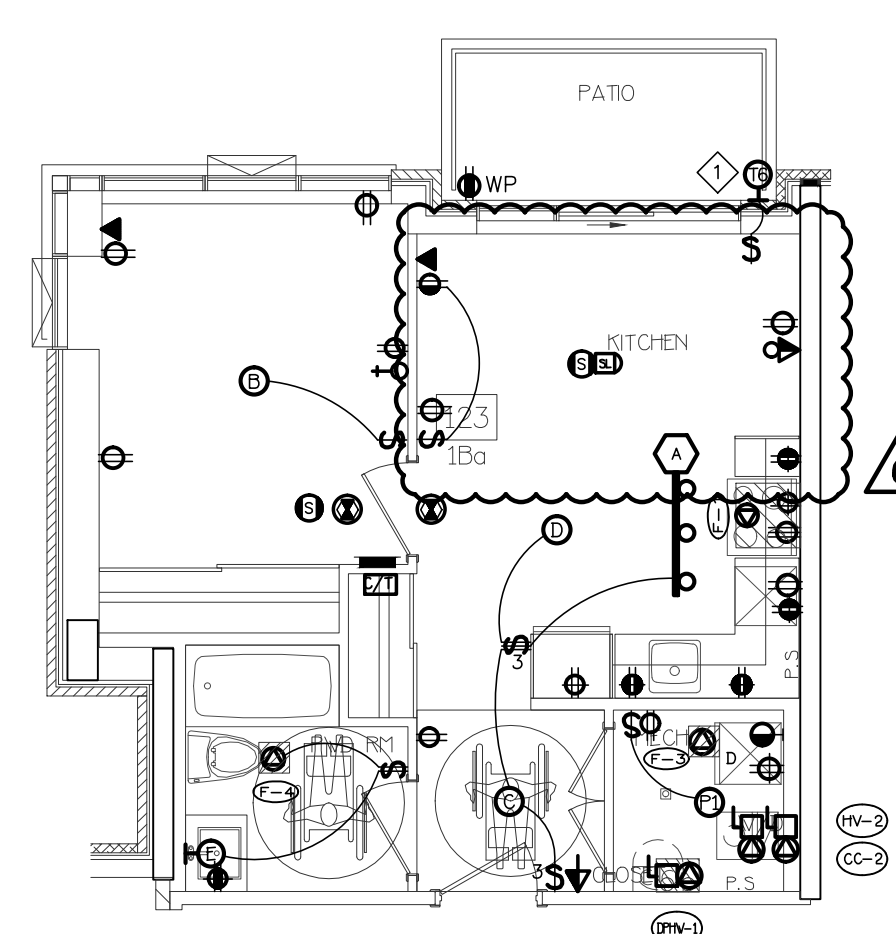
10 SUITE LAYOUT TYPE 2Cb
UPPER LEVEL



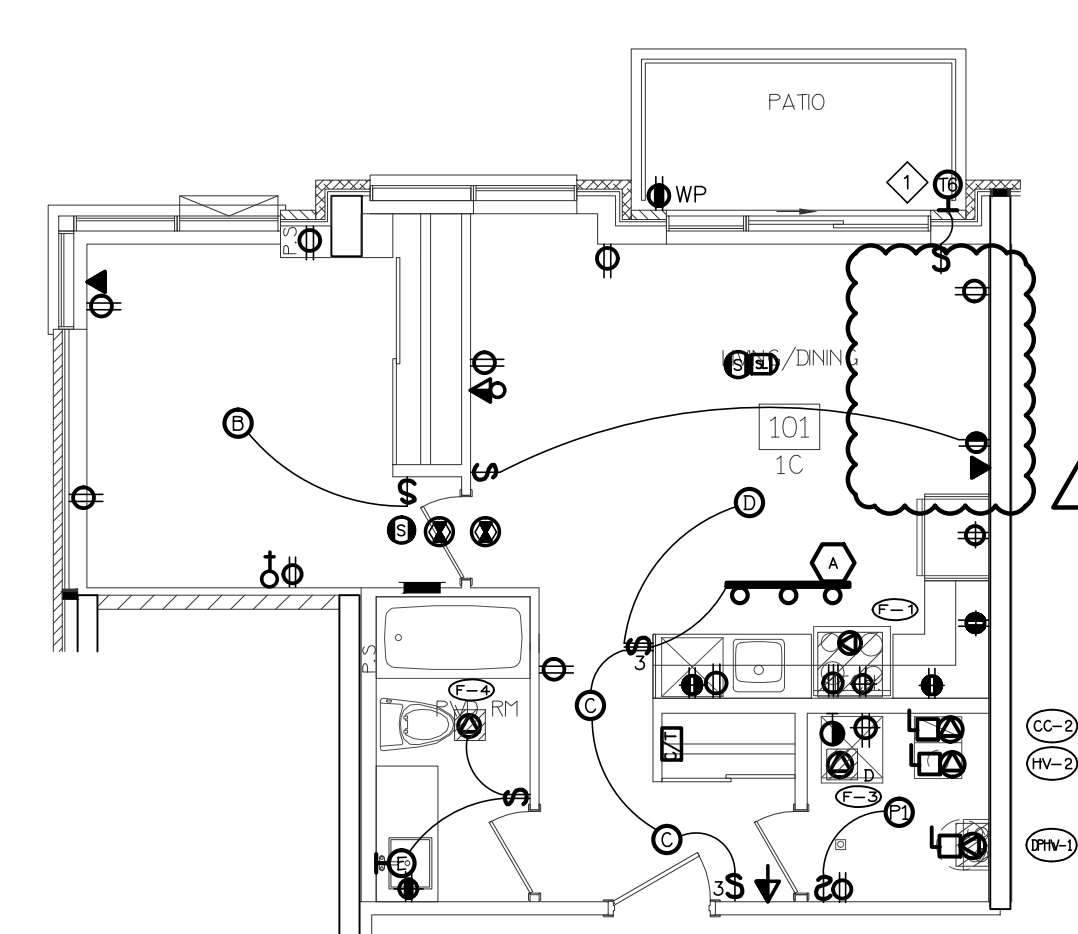
3 SUITE LAYOUT TYPE 1A & 1Aa
ONE FLOOR LEVEL



4 SUITE LAYOUT TYPE 1Ab
ONE FLOOR LEVEL



5 SUITE LAYOUT TYPE 1Ba
ONE FLOOR LEVEL



6 SUITE LAYOUT TYPE 1C
ONE FLOOR LEVEL

KEY NOTES

◇ PATIO EXTERIOR LIGHTING ONLY ON GROUND FLOOR

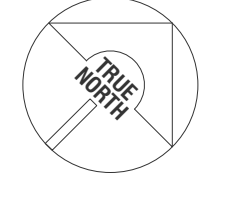
SUITES' KEY NOTES (TYPICAL)

- ① NOT USED
 - ② SUITE INTRUSION ALARM AND KEYPAD WITH DIGITAL DISPLAY
 - ③ IN SUITE TELEPHONE/TV COMBO DISTRIBUTION PANEL
 - ④ CEILING MOUNTED FIRE ALARM COMBINATION SPEAKER/STROBE LIGHT
 - ⑤ 120V U-GROUND DUPLEX RECEPTACLE FOR GENERAL PURPOSES
 - ⑥ 120V U-GROUND DUPLEX RECEPTACLE WITH ONE HALF SWITCH CONTROLLED
 - ⑦ WALL MOUNTED TELEPHONE OUTLET
 - ⑧ 120V, 15A, RECEPTACLE FOR FRIDGE
 - ⑨ 120V, 20A, T-SLOT RECEPTACLE MOUNTED ABOVE COUNTER TOP
(ALL RECEPTACLES LOCATED WITHIN 1.5M OF KITCHEN SINKS ALONG THE WALL BEHIND THE COUNTERS SHALL BE PROTECTED BY GFI BREAKERS OF THE CLASS A TYPE)
 - ⑩ TOWNHOUSE EXTERIOR LIGHTING TYPE TO BE CONFIRMED (TYPICAL), REFER TO ARCHITECTURE ELEVATION DRAWING FOR EXACT LOCATION AND QUANTITY
 - ⑪ 250V, 1A, 4W, 50A, RECEPTACLE FOR RANGE, CONNECT WITH 3/8"10 BX OR 3/8"10 THW-19MM CONDUIT
 - ⑫ RECEPTACLE FOR KITCHEN MICROWAVE AND EXHAUST FAN
 - ⑬ 120V U-GROUND DUPLEX RECEPTACLE FOR DISHWASHER
 - ⑭ WALL MOUNTED COMBINATION TV/TELEPHONE OUTLET
 - ⑮ CEILING MOUNTED FIRE ALARM SPEAKER
 - ⑯ CEILING MOUNTED 120V SMOKE ALARM/CARBON MONOXIDE COMBO DETECTOR ⑰
- ALL DETECTORS WITHIN SAME SUITE TO BE INTERCONNECTED AND HAVE A VISUAL SIGNALING COMPONENT IN ACCORDANCE WITH OBC
- ⑱ DIRECT CONNECTION FOR ERV UNIT AT HIGH LEVEL, PROVIDE RECEPTACLES IF REQUIRED, REFER TO MECHANICAL DRAWING FOR MORE DETAILS
 - ⑲ DIRECT CONNECTION FOR AIR HANDLE UNIT, REFER TO MECHANICAL DRAWING FOR MORE DETAILS
 - ⑳ 120V U-GROUND DUPLEX GFI RECEPTACLE FOR WASHROOM
 - ㉑ 120V, 15A, RECEPTACLE FOR WASHER
 - ㉒ 250V, 1A, 4W, 30A, RECEPTACLE FOR DRYER, CONNECT TO 3/8"10 BX OR 3/8"10 THW-19MM CONDUIT
 - ㉓ WALL MOUNTED TV OUTLET
 - ㉔ DIRECT CONNECTION FOR DRYER EXHAUST FAN
 - ㉕ DIRECT CONNECTION FOR WASHROOM EXHAUST FAN
 - ㉖ RECESSED TYPE 0.5KW HEATER
 - ㉗ PUSH BUTTON (DOOR RINGER)
 - ㉘ SIGNAL TRANSFER
 - ㉙ SIGNAL BUZZER
 - ㉚ FLUSH MOUNTED SUITE SERVICE PANEL, SEE DRAWING E-13 FOR SUITE PANEL SCHEDULE
 - ㉛ 120V U-GROUND DUPLEX GFI, WEATHER PROOF RECEPTACLE IN BALCONY (TYPICAL FOR 1ST FLOOR AND EXTERIOR BALCONY ONLY)
 - ㉜ 120V U-GROUND DUPLEX WEATHER PROOF RECEPTACLE IN BALCONY (TYPICAL FOR 2ND TO 4TH FLOOR)
 - ㉝ 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
 - ㉞ 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/ALTY INTERRUPTERS)

NO.	BY	DESCRIPTION	DATE
07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
06	SP	ISSUED FOR ADD E-5	MAR. 26, 2021
05	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
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

REVISIONS

This drawing is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. United Engineering Inc. is not responsible for the accuracy of Architectural, structural, interior design, etc., on this drawing. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols are graphic representations only.



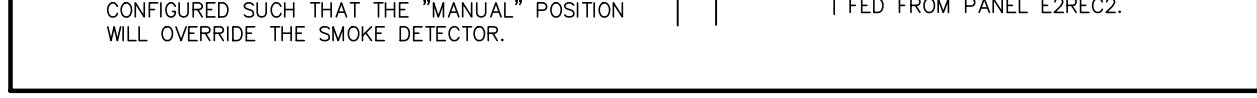
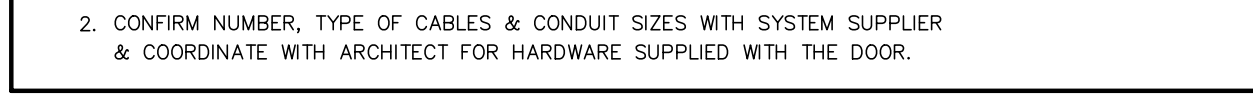
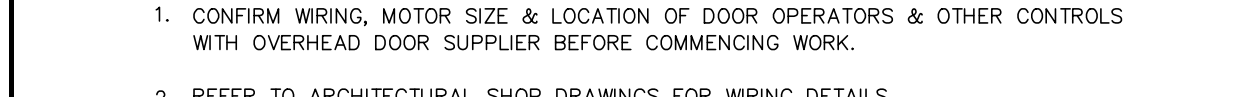
UNITED ENGINEERING INC.
Mechanical Electrical Consulting Engineers
3645 Keele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1995, Fax: (416) 398 1933

TITLE
**TYPICAL SUITE LAYOUT
ELECTRICAL**

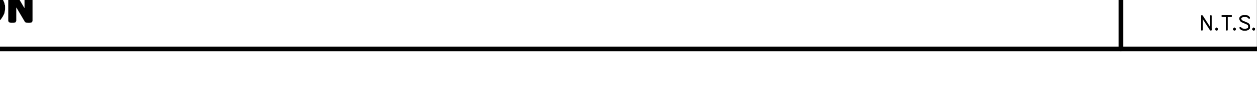
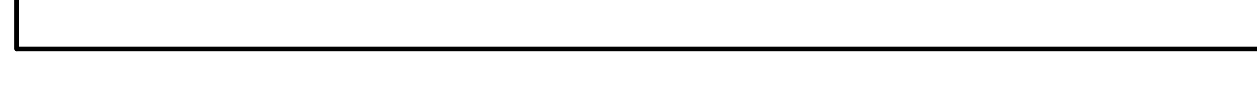
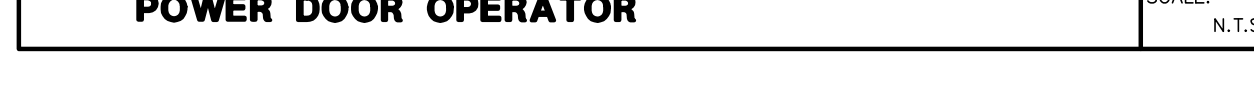
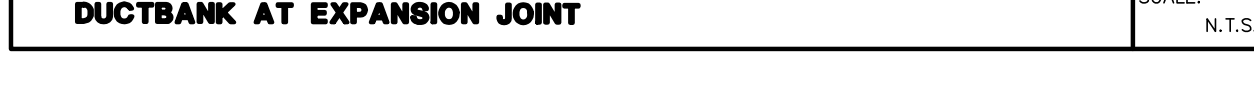
PROJECT
**BRAMPTON STACKED
FORETSIDE ESTATES**

**ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO**

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



ELECTRIC HEATER SCHEDULE	SCALE: N.T.S.
---------------------------------	------------------

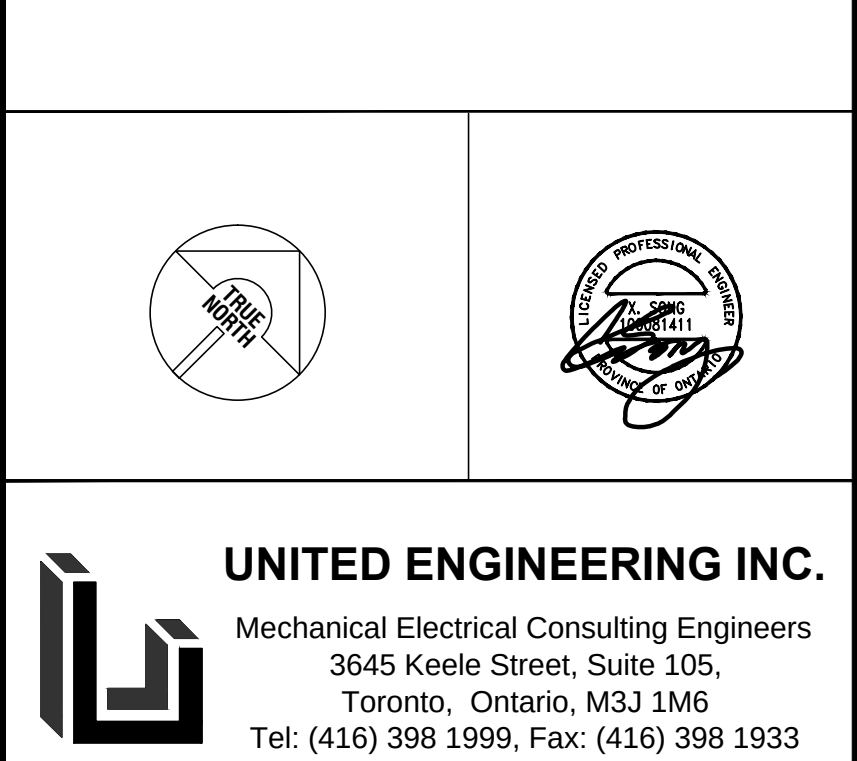


This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding.

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

Refer to the appropriate trade drawings before proceeding with any work. Installations 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.

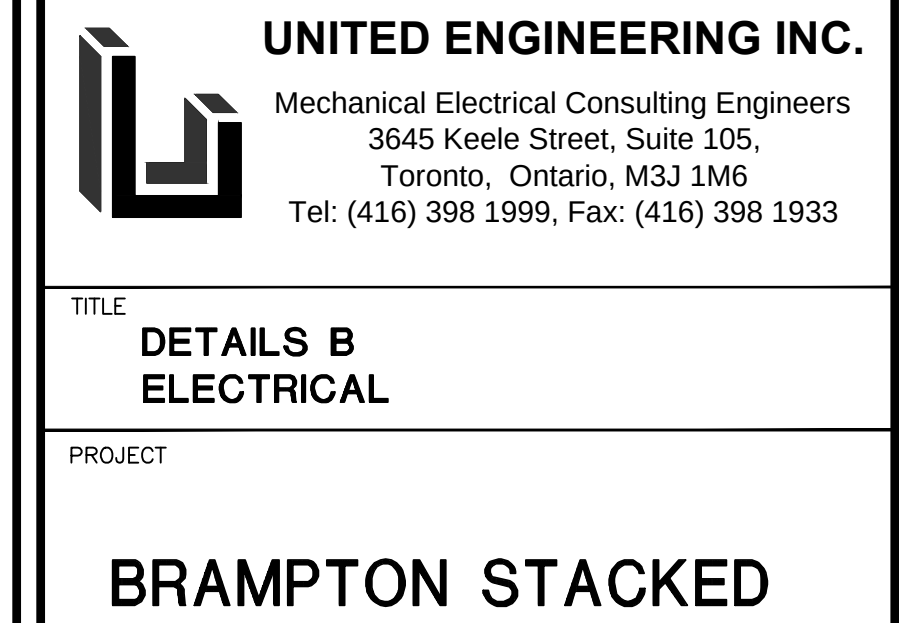


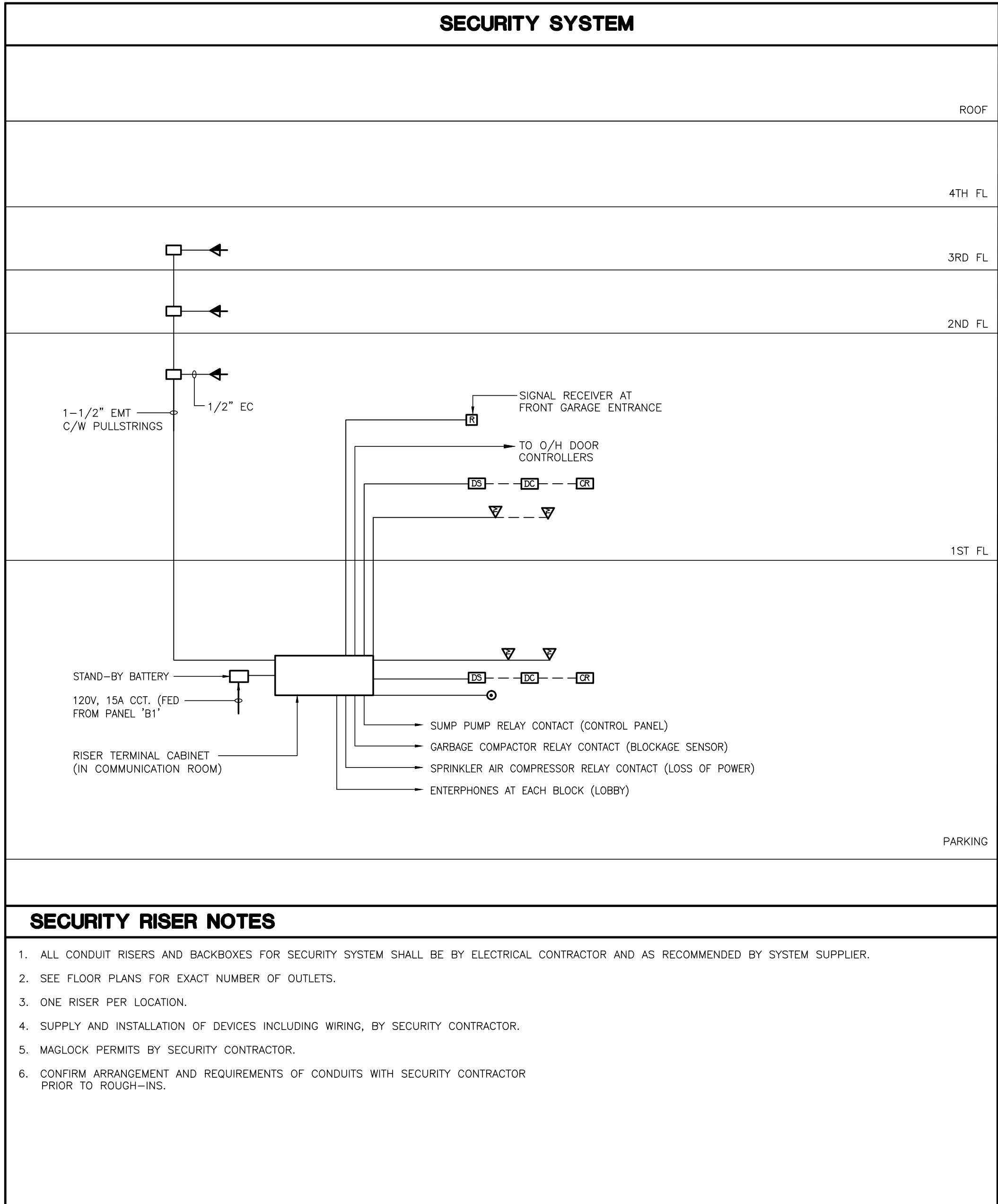
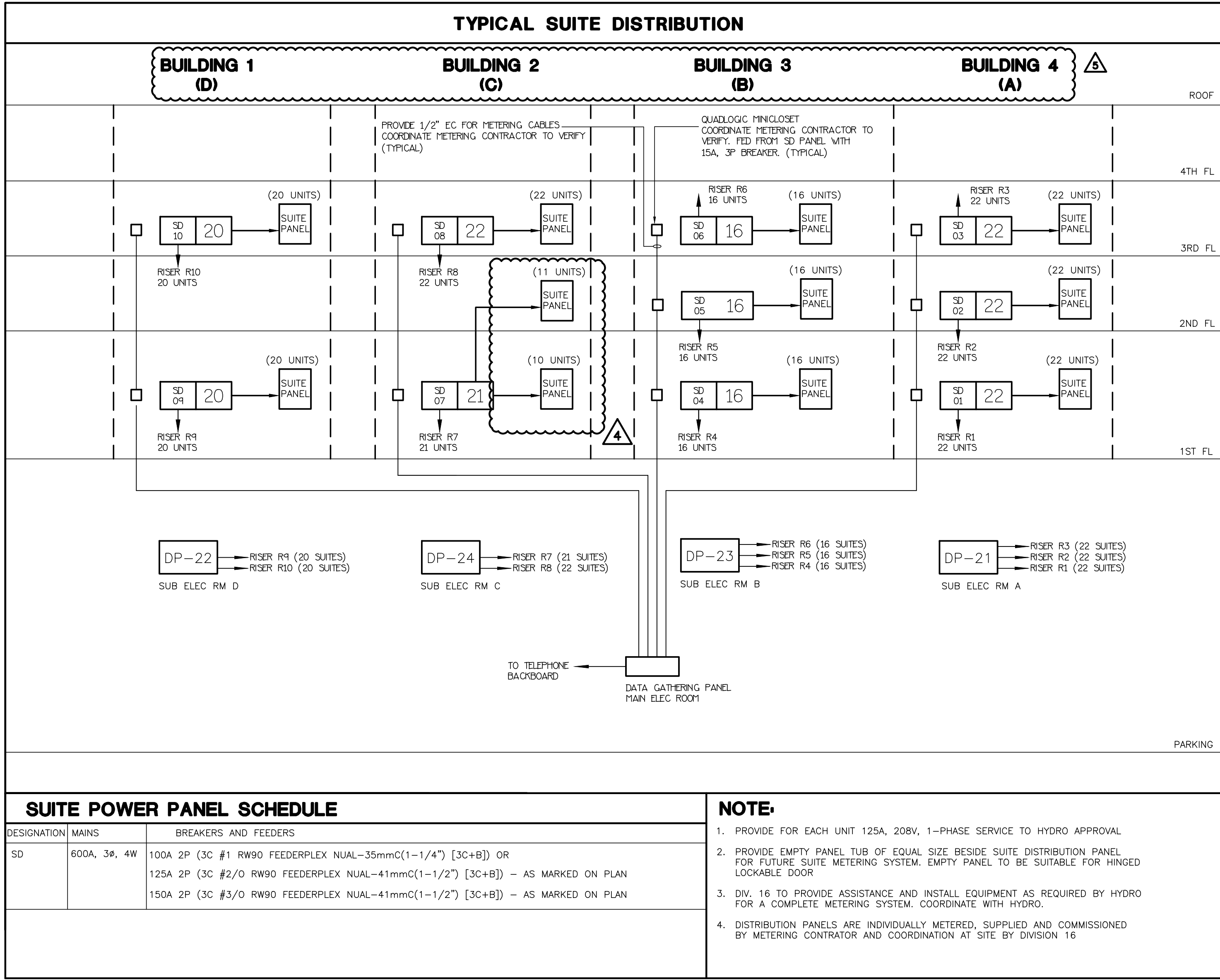
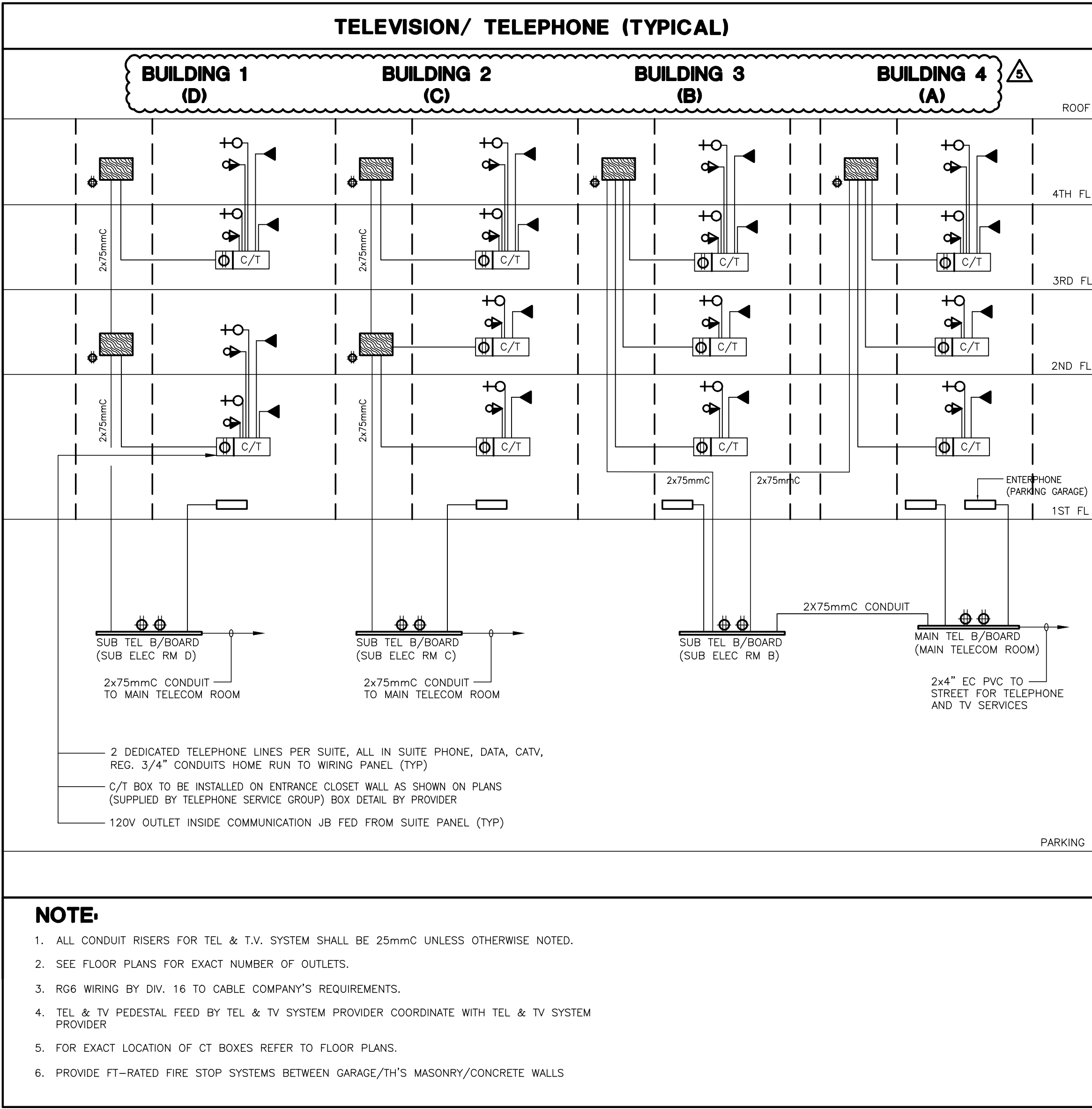
TITLE	DETAILS A ELECTRICAL
-------	-------------------------

PROJECT
BRANDON CRACKER

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

DRAWN SP	CHECKED MG	SCALE N.T.S.
DATE MAY, 2019	PROJECT 18-017	DRAWING E-9A
		OF 16

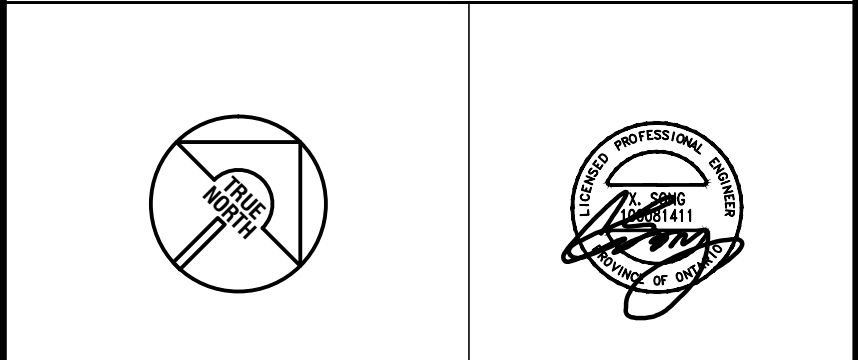




METERING NOTES (ELECTRICAL AND WATER SUBMETERING)	
1. ALL METERING EQUIPMENT (TRANSPONDERS, METER BASES, CT'S, TEST BLOCK, AND CABINETS) ARE TO BE SUPPLIED BY OTHERS. POWER REQUIREMENTS (FUSED DISCONNECTS, SPLITTER, DISCONNECT SWITCHED, AND DATA CABLING TO BE SUPPLIED BY ELECTRICAL CONTRACTOR. 2. DIVISION 16 TO INSTALL METERING SYSTEM AND COMPONENTS. 3. ALLOW FOR COORDINATION WITH METERING PROVIDER PRIOR TO ROUGH-IN OF METERING SYSTEM. 4. DIV. 16 TO PROVIDE SUITE DISTRIBUTION PANELS C/V WIREWAY AND ALLOW FOR INSTALLATION OF ASSOCIATED METERING EQUIPMENT (SEE NOTE #4) PROVIDED BY OTHERS 5. ALL CONDUITS FOR METERING EQUIPMENT BY DIV. 16. 6. PROVIDE EMPTY PANEL TUB OF EQUAL SIZE BESIDE SUITE DISTRIBUTION SUITE METERING SYSTEM. EMPTY PANEL TO BE PANEL FOR FUTURE SUITABLE FOR HINGED LOCKABLE DOOR	7. ALLOW FOR 12 CT DONUTS PER BOX, AND 2 CT DONUTS PER SUITE. PROVIDE A SEPARATE PRICE TO INSTALL DONUTS (SUPPLIED BY OTHERS) AT TIME OF SUITE FEEDER INSTALLATION 8. ALLOW FOR 12 CT DONUTS PER BOX, AND 2 CT DONUTS PER SUITE. CONTRACTOR TO PROVIDE AND INSTALL EMPTY METER BOX(S) TO METER SYSTEM SUPPLIER 9. COORDINATE THE INSTALLATION OF SUITE METERING SYSTEM WITH CLIENT. ALLOW FOR ALL COSTS ASSOCIATED WITH COORDINATION 10. COORDINATE THE INSTALLATION OF TAMPERPROOF CHECK METERING TO CLIENT'S APPROVAL. ALLOW FOR COORDINATION WITH SYSTEM SUPPLIER 11. ALL THE SD-4 PANELS ARE INDIVIDUALLY METERED, SUPPLIED AND COMMISSIONED BY METERING CONTRACTOR. PANEL INSTALLATION & COORDINATION AT SITE BY DIV.16
WATER SUBMETERING NOTES (FOR INFORMATION ONLY, CONFIRM WITH MEETRING SERVICE PROVIDER)	
1. PROVIDE CONDUIT NETWORK FOR METERING SYSTEM AS PER METERING SHOP DRAWINGS AND/OR BASE BUILDING ELECTRICAL DRAWINGS. 2. INSTALL METERING WIRE (18 AWG, 2-CONDUCTOR) THROUGHOUT METERING NETWORK AND TERMINATE AT EACH METER LOCATION. METERING WIRE IS SUPPLIED TO ELECTRODIAN BY PROVIDENT. METERING NETWORK WILL TYPICALLY FOLLOW PLUMBING RISERS VERTICALLY FOR 10-15 FLOORS, AND THEN BE CAST IN-SLAB FOR HORIZONTAL RUNS TO METERING SYSTEM METERING CLOSET(S). 3. PROVIDE 120 VAC POWER SUPPLY AT SELECTED ELECTRICAL CLOSET FOR INSTALLATION OF PROVIDENT METERING SYSTEM METERING CLOSET(S). 4. PROVIDE CONDUIT FOR CAT-5 CABLE FROM METERING CLOSET(S) TO LOCATION OF BUILDING INTERNET CONNECTION (EG. COMMUNICATIONS ROOMS AND/OR PROPERTY MANAGEMENT OFFICE) A. DATASHEET FOR ULTRAFLOW THERMAL METER (FLOW COMPONENT) B. DATASHEET FOR UNICOODER IN-SUITE WATER METER	

07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION MAR. 26, 2021
06	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D MAR. 03, 2021
05	SP	ISSUED FOR ADD E-4 FEB. 08, 2020
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, 2019
NO.	BY	DESCRIPTION DATE

REVISIONS	
This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc.. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. United Engineering Inc. is not responsible for the accuracy of Architectural, structural, interior design, etc., on this drawing. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols are graphic representations only.	



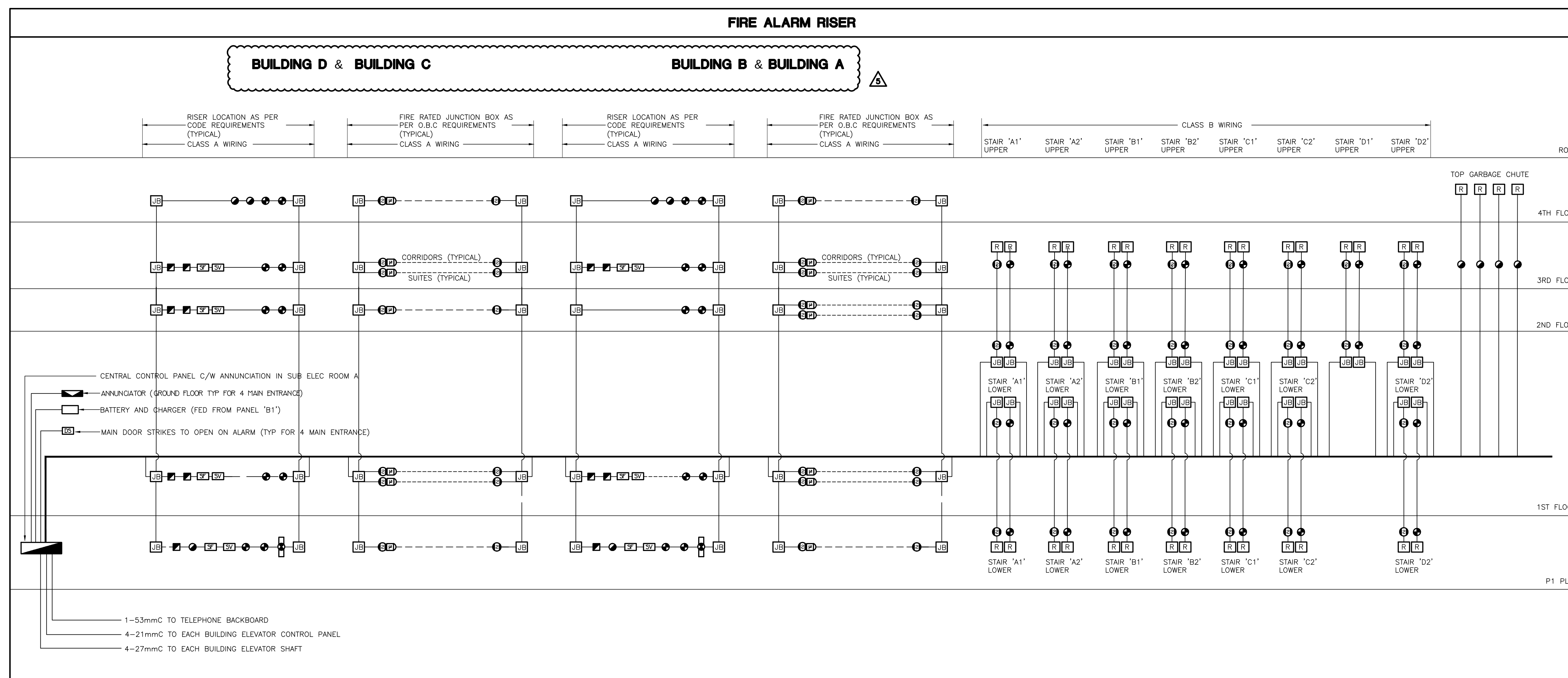
UNITED ENGINEERING INC.
Mechanical Electrical Consulting Engineers
3645 Keele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1995, Fax: (416) 398 1933

TITLE
**RISERS
ELECTRICAL**

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

DRAWN SP	CHECKED MG	SCALE NTS
DATE MAY, 2019	PROJECT 18-017	DRAWING E-10 OF 16

FIRE ALARM SCHEDULE	
ALARM ZONES	
CCT #	DESCRIPTION
1	PARKING GARAGE - P1
2	PARKING GARAGE - P1
3	ELEVATOR LOBBY BUILDING B - P1
4	ELEVATOR LOBBY BUILDING C - P1
5	ELEVATOR LOBBY BUILDING D - P1
6	MAIN ELECTRICAL ROOM - P1 LEVEL
7	SUB-ELECTRICAL ROOM A - P1 LEVEL
8	SUB-ELECTRICAL ROOM B - P1 LEVEL
9	SUB-ELECTRICAL ROOM C - P1 LEVEL
10	SUB-ELECTRICAL ROOM D - P1 LEVEL
11	COMMUNICATION ROOM - P1 LEVEL
12	MECHANICAL ROOM - P1 LEVEL
13	SPARE
14	GENERATOR ROOM - P1 LEVEL
15	GARAGE ROOM - P1 LEVEL
16	GARAGE ROOM - P1 LEVEL
17	GARAGE ROOM - P1 LEVEL
18	GARAGE ROOM - P1 LEVEL
19	1ST FLOOR TO 4TH FLOOR (BUILDING B)
20-23	ELEVATOR SHAFT (BUILDING D)
24	1ST FLOOR TO 4TH FLOOR (BUILDING C)
25-28	SPARE
29	ELEVATOR SHAFT (BUILDING C)
30	1ST FLOOR TO 4TH FLOOR (BUILDING B)
31-34	ELEVATOR SHAFT (BUILDING B)
35	ELEVATOR SHAFT (BUILDING B)
36-39	1ST FLOOR TO 4TH FLOOR (BUILDING A)
40	ELEVATOR SHAFT (BUILDING A)
41	STAR "A1" TOP OF UPPER STAIR
42	STAR "A1" TOP OF UPPER STAIR
43	STAR "A2" TOP OF UPPER STAIR
44	STAR "A2" TOP OF UPPER STAIR
45	STAR "A2" TOP OF UPPER STAIR
46	STAR "A2" TOP OF UPPER STAIR
47	STAR "A2" TOP OF UPPER STAIR
48	STAR "A2" TOP OF LOWER STAIR
49	STAR "B1" TOP OF UPPER STAIR
50	STAR "B1" TOP OF UPPER STAIR
51	STAR "B1" TOP OF LOWER STAIR
52	STAR "B2" TOP OF UPPER STAIR
53	STAR "B2" TOP OF UPPER STAIR
54	STAR "B2" TOP OF LOWER STAIR
55	STAR "B2" TOP OF LOWER STAIR
56	STAR "C1" TOP OF UPPER STAIR
57	STAR "C1" TOP OF UPPER STAIR
58	STAR "C1" TOP OF LOWER STAIR
59	STAR "C1" TOP OF LOWER STAIR
60	STAR "C1" TOP OF LOWER STAIR
61	STAR "C2" TOP OF UPPER STAIR
62	STAR "C2" TOP OF UPPER STAIR
63	STAR "C2" TOP OF LOWER STAIR
64	STAR "C2" TOP OF LOWER STAIR
65	STAR "D1" TOP OF UPPER STAIR
66	STAR "D1" TOP OF UPPER STAIR
67	STAR "D2" TOP OF UPPER STAIR
68	STAR "D2" TOP OF UPPER STAIR
69	STAR "D2" TOP OF LOWER STAIR
70	FRESH AIR UNIT DUCT DETECTOR (BUILDING A)
71	FRESH AIR UNIT DUCT DETECTOR (BUILDING B)
72	FRESH AIR UNIT DUCT DETECTOR (BUILDING C)
73	FRESH AIR UNIT DUCT DETECTOR (BUILDING D)
74	FRESH AIR UNIT DUCT DETECTOR (BUILDING D)
75	MAIN SMOKE ALARM
76	PARKING GARAGE - P1 SPRINKLER FLOW ALARM
77	WET SPRINKLER LINE TO GARAGE ROOM FLOW ALARM
78	WET SPRINKLER LINE TO GARAGE ROOM FLOW ALARM
79	WET SPRINKLER LINE TO GARAGE ROOM FLOW ALARM
80	WET SPRINKLER LINE TO GARAGE ROOM FLOW ALARM
81	WET SPRINKLER LINE TO GARAGE ROOM FLOW ALARM
82	SPARE
83	BUILDING A SPRINKLER SYSTEM FLOW ALARM
84	BUILDING B SPRINKLER SYSTEM FLOW ALARM
85	BUILDING C SPRINKLER SYSTEM FLOW ALARM
86	BUILDING D SPRINKLER SYSTEM FLOW ALARM
87	SPRINKLER RISE IN GARAGE CHUTE FLOW ALARM (BUILDING A)
88	SPRINKLER RISE IN GARAGE CHUTE FLOW ALARM (BUILDING B)
89	SPRINKLER RISE IN GARAGE CHUTE FLOW ALARM (BUILDING C)
90	SPRINKLER RISE IN GARAGE CHUTE FLOW ALARM (BUILDING D)
91	SPARE
92	SPARE
93	SPARE



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 CO2 LEVEL DETECTION IN PARKING GARAGE
16	PIPE TRACING LOSS OF POWER "X"
17	SNOW MELTING LOSS OF POWER "X"
	SPARE 25#
	*** NUMBER OF ZONES TO SUIT CODE REQUIREMENT

FIRE ALARM RISER NOTES

1. PROVIDE WIRING FOR SPRINKLER FLOW SWITCHES, PRESSURE SWITCHES & SUPERVISED VESSELS (NOT SHOWN ON ELECTRICAL DRAWINGS) AND 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 AFT.
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 SIGNAL CIRCUIT PER FLOOR SO THAT ONE CIRCUIT IS FOR THE COMMONS AND ONE CIRCUIT IS FOR THE SUITES.
9. ALL FIRE ALARM RECALL FROM MANUAL DEVICES AND AUTOMATICALLY INITIATED DEVICES TO BE AS PER CODE AND TSSA REQUIREMENTS.
10. ADD CONTROL PANEL EXPANSION BOX AS PER MANUFACTURERS RECOMMENDATIONS AND SYSTEM REQUIREMENTS WITHIN BUILDING COAT TO HAVE A COMPLETE AND FULLY FUNCTIONAL INTEGRATED FIRE ALARM SYSTEM.
11. ALLOW FOR ALL COSTS ASSOCIATED WITH VERIFICATION AS REQUIRED.

12. ELECTRICAL SUPERVISION

ELECTRICAL SUPERVISION OF THE AUTOMATIC SPRINKLER SYSTEM IS REQUIRED TO INDICATE A SUPERVISORY SIGNAL TO 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 PRESSURE IN A DRY PIPE SYSTEM,
- LOSS OF POWER TO AN AUTOMATICALLY STARTING FIRE PUMP,
- A TEMPERATURE INCREASING 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 M.U.A.'S, GARAGE EXHAUST FANS, PRESSURIZATION FANS, AND CONTROL FOR ALL ELEVATOR AND STAIR PRESSURIZATION AS WELL AS THE AMENITY AREA STROBE SMOKE EXHAUST SYSTEM.
2. PROVIDE FAN SHUT-DOWN RELAYS TO DE-ENERGIZE ALL SUPPLY AIR FANS (EXCEPT M.U.A.'S TO PUBLIC CORRIDOR) AND FIRE ALARM M.U.A.'S TO PROVIDE MAKE UP AIR TO PUBLIC CORRIDOR TO MAINTAIN 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 SITUATE WHERE APPLICABLE THE SPEAKERS SHALL BE CAPABLE TO BE SILENCED AS REQUIRED BY CODES ON THE EQUIPMENT SHALL BE IN ACCORDANCE WITH OBC 3.2.4.19(13).

ELECTRICALLY SUPERVISIED VALVE SCHEDULE					
SUPERVISED VALVE NO.	SYSTEM	LOCATION	SUPERVISED VALVE NO.	SYSTEM	LOCATION
(S.V.#1)	INLET DOUBLE CHECK VALVE ASSEMBLY ISOLATION	METER ROOM	(S.V.#8)	GARAGE CHUTE SYSTEM ISOLATION	
(S.V.#2)	OUTLET DOUBLE CHECK VALVE ASSEMBLY ISOLATION	METER ROOM	(S.V.#7)	BUILDING "3" (BUILDING B) SPRINKLER SYSTEM ISOLATION	BUILDING "3" (BUILDING B) 1ST FLOOR
(S.V.#3)	WET SYSTEM ISOLATION	METER ROOM	(S.V.#6)	ISOLATION FSP BUILDING 2 (BUILDING C)	PARKING GARAGE
(S.V.#4)	P-1 LEVEL WEST U/G GARAGE DRY SPRINKLERS	METER ROOM	(S.V.#5)	ISOLATION FSP BUILDING 2 (BUILDING C)	PARKING GARAGE
(S.V.#5)	P-1 LEVEL WEST U/G GARAGE DRY SPRINKLERS	METER ROOM	(S.V.#3)	ISOLATION FSP BUILDING 2 (BUILDING C)	PARKING GARAGE
(S.V.#6)	ISOLATION FSP BUILDING 4 (BUILDING A)	PARKING GARAGE	(S.V.#2)	ISOLATION FSP PARKING GARAGE	PARKING GARAGE
(S.V.#7)	ISOLATION FSP BUILDING 4 (BUILDING A)	PARKING GARAGE	(S.V.#2)	BUILDING "2" (BUILDING C) GARAGE CHUTE SYSTEM ISOLATION	PARKING GARAGE
(S.V.#8)	ISOLATION FSP BUILDING 4 (BUILDING A)	PARKING GARAGE	(S.V.#3)	BUILDING "2" (BUILDING C) SPRINKLER SYSTEM ISOLATION	BUILDING "2" (BUILDING C) 1ST FLOOR
(S.V.#9)	ISOLATION FSP PARKING GARAGE	PARKING GARAGE	(S.V.#4)	ISOLATION FSP BUILDING 1 (BUILDING D)	PARKING GARAGE
(S.V.#10)	BUILDING "4" (BUILDING A) GARAGE CHUTE SYSTEM ISOLATION	PARKING GARAGE	(S.V.#5)	ISOLATION FSP BUILDING 1 (BUILDING D)	PARKING GARAGE
(S.V.#11)	BUILDING "4" (BUILDING A) SPRINKLER SYSTEM ISOLATION	BUILDING "4" 1ST FLOOR	(S.V.#6)	ISOLATION FSP BUILDING 1 (BUILDING D)	PARKING GARAGE
(S.V.#12)	ISOLATION FSP BUILDING 3 (BUILDING B)	PARKING GARAGE	(S.V.#7)	ISOLATION FSP PARKING GARAGE	PARKING GARAGE
(S.V.#13)	ISOLATION FSP BUILDING 3 (BUILDING B)	PARKING GARAGE	(S.V.#8)	BUILDING "1" (BUILDING D) GARAGE CHUTE SYSTEM ISOLATION	
(S.V.#14)	ISOLATION FSP BUILDING 3 (BUILDING B)	PARKING GARAGE	(S.V.#9)	BUILDING "1" (BUILDING D) SPRINKLER SYSTEM ISOLATION	BUILDING "1" (BUILDING D) 1ST FLOOR
(S.V.#15)	ISOLATION FSP PARKING GARAGE	PARKING GARAGE		SPARE	
	SPARE			SPARE	
				SPARE 25%	

NOTE:
1. PROVIDE ALLOWANCE FOR ADDITIONAL SUPERVISED VALVES UPON SUBMISSION OF SPRINKLER SHOP DRAWINGS

07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION			MAR. 26, 2021
06	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D			MAR. 03, 2021
05	SP	ISSUED FOR ADD E-4			FEB. 08, 2021
04	SP	ISSUED FOR ADD E-3			JAN. 19, 2021
03	SP	ISSUED FOR PERMIT			SEP. 26, 2020
02	SP	ISSUED FOR ADD E-2			JUN. 15, 2020
01	SP	ISSUED FOR DESCRIPTION			AUG. 02, 2020
NO.	BY	DESCRIPTION			DATE

REVISIONS

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

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

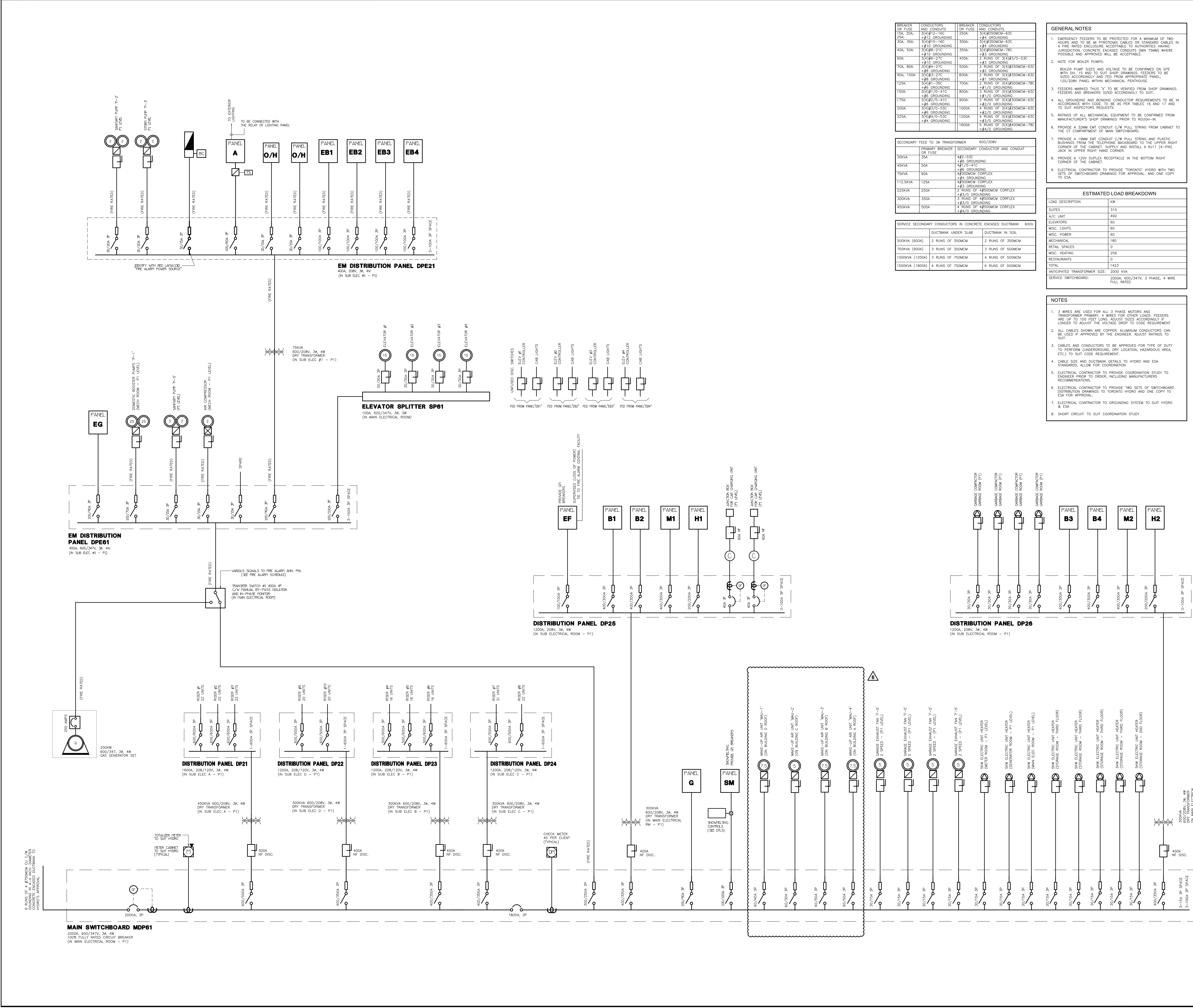
Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction.

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



UNITED ENGINEERING INC.
 Mechanical Electrical Consulting Engineers
 3645 Keele Street, Suite 105,
 Toronto, Ontario, M3J 1M6
 Tel: (416) 398 1999, Fax: (416) 398 1933

TITLE			FIRE ALARM SYSTEM ELECTRICAL		
PROJECT					
BRAMPTON STACKED FORESTSIDE ESTATES					
ATTMAR + PALLESCHI DRIVE BRAMPTON, ONTARIO					
DRAWN SP		CHECKED MG		SCALE NTS	
DATE MAY, 2019		PROJECT 18-017		DRAWING E-11	
				OF 16	



NO.	BY	DESCRIPTION	DATE
07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION	MAR. 26, 2021
06	SP	ISSUED FOR ADD E-5	MAR. 26, 2021
05	SP	ISSUED FOR PERMIT BUILDINGS A, B, C, D	MAR. 03, 2021
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

REVISIONS	
NO.	DESCRIPTION
07	SP
06	SP
05	SP
04	SP
03	SP
02	SP
01	SP

UNITED ENGINEERING INC.
Mechanical Electrical Consulting Engineers
3645 Keele Street, Suite 105,
Toronto, Ontario, M3J 1M6
Tel: (416) 398 1999, Fax: (416) 398 1933

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

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

PANEL IDENTIF: SUITE	SERVICE: MAIN CTT, BRK: 120/208V, 1ø, 3ø MANS: 125 AMPS SURFACE MOUNTING:	NOTES: LOCATION: STACKED HOUSE
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LTD & SHOCK/CD ALARM	3000 15A 1 1 2 3000	KITCHEN GFI T-SPLIT RECEPTACLE
LIGHTING	3000 15A 3 1 4 3000	KITCHEN T-SPLIT RECEPTACLE
LIGHTING	3000 15A 5 1 6 3000	KITCHEN T-SPLIT RECEPTACLE
LIGHTING	3000 15A 7 1 8 3000	DISHWASHER
ARC FAULT RECEPTACLES	3000 15A 9 1 10 3000	FUDGE
ARC FAULT RECEPTACLES	3000 15A 11 1 12 3000	FRIDGE
ARC FAULT RECEPTACLES	3000 15A 13 1 14 3000	DRYER
GFI RECEPTACLE	3000 15A 15 1 16 3000	DRYER
WASH/RECYCLE COMP	3000 15A 17 1 18 3000	WASHER
UNIT DRYER FAN	3000 15A 19 1 20 3000	DISHWASHER
EXTERIOR RECEPTACLE ON AS REQD	3000 15A 21 1 22 3000	MICROWAVE
BRV	3000 15A 23 1 24 3000	CENTRAL VACUUM RECEPTACLE
HV	3000 15A 25 1 26 3000	WHIRLPOOL (GFI)
CONDENSING COMP BUILT	3000 15A 27 1 28 3000	CONDENSING UNIT / COOLING COIL
SPLIT RECEPTACLE	3000 15A 29 1 30 3000	CONDENSING UNIT / COOLING COIL
EBB	3000 15A 31 1 32 3000	CONDENSING UNIT / COOLING COIL
SPARE	3000 15A 33 1 34 3000	CONDENSING UNIT / COOLING COIL
SPARE	3000 15A 35 1 36 3000	CONDENSING UNIT / COOLING COIL
SPARE	3000 15A 37 1 38 3000	CONDENSING UNIT / COOLING COIL
SPARE	3000 15A 39 1 40 3000	CONDENSING UNIT / COOLING COIL
SPARE	3000 15A 41 1 42 3000	CONDENSING UNIT / COOLING COIL

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-IN" 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 GROUND-Fault INTERRUPTER (GFI) EXCEPT FOR BRANCH CIRCUITS SUPPLYING:
 - RECEPTACLES ON KITCHEN COUNTER FOR USE BY PERSON WITH DISABILITIES
 - OUTLETS/WALLSWITCHES (PROVIDED THAT NO OTHER RECEPTACLES ARE CONNECTED TO THESE CIRCUITS)
 - FRIDGE, KITCHEN COUNTER, KITCHEN ISLAND AND PENINSULA

PANEL IDENTIF: B1	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 400 AMPS SURFACE MOUNTING:	NOTES: 60 CIRCUITS LOCATION: STACKED HOUSE
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LIGHTING – LOCKERS (P1)	15A 1 1 2 15A	RECEPTACLES – STAR A (2RD-3RD)
LIGHTING – LOCKERS (P1)	15A 3 1 4 15A	RECEPTACLES – STAR B (2RD-3RD)
REC – STORAGE (P1)	15A 5 1 6 15A	RECEPTACLES – CORRIDOR (GRD-3RD)
REC – SUB ELEC RM D (P1)	15A 7 1 8 15A	RECEPTACLES – CORRIDOR (3RD)
LIGHTING – GARAGE, RM. (P1)	15A 9 1 10 15A	RECEPTACLES – ROOF LEVEL
REC – LOCKER (P1)	15A 11 1 12 15A	RECEPTACLES – ROOF LEVEL
REC – STAR A & B (P1)	15A 13 1 14 15A	LIGHTING-JANITOR ROOM
REC – GARAGE RM. (P1)	15A 15 1 16 15A	SPARE
REC – LOCKER (P1)	15A 17 1 18 15A	SPARE
REC – LOCKER & LOBBY (P1)	15A 19 1 20 15A	4.8 KW ELECTRIC FORCE HEATER H-3
REC – SERVICE ROOM (P1)	15A 21 1 22 15A	4.8 KW ELECTRIC FORCE HEATER H-3
TRISORTOR CONTROL PANEL	15A 23 1 24 15A	SPARE
BATTERY UNIT	15A 25 1 26 15A	SPARE
H-1 12KW ELECTRIC HEATER	15A 27 1 28 15A	SPARE
	15A 29 1 30 15A	SPARE
	15A 31 1 32 15A	SPARE
	15A 33 1 34 15A	SPARE
	15A 35 1 36 15A	SPARE
	15A 37 1 38 15A	SPARE
	15A 39 1 40 15A	SPARE
	15A 41 1 42 15A	SPARE

PANEL IDENTIF: B2	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 400 AMPS SURFACE MOUNTING:	NOTES: 60 CIRCUITS LOCATION: STACKED HOUSE
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LIGHTING – LOCKER RM. (P1)	15A 1 1 2 15A	RECEPTACLES – STAR H (P1-3RD)
LIGHTING – LOCKER RM. (P1)	15A 3 1 4 15A	RECEPTACLES – STAR G (P1-3RD)
REC – SUB ELEC RM (P1)	15A 5 1 6 15A	RECEPTACLES – CORRIDOR (GRD-3RD)
REC – LOBBY (P1)	15A 7 1 8 15A	RECEPTACLES – CORRIDOR (GRD-3RD)
REC – GARAGE RM. (P1)	15A 9 1 10 15A	RECEPTACLES – ROOF LEVEL
REC – MECH ROOM (P1)	15A 11 1 12 15A	RECEPTACLES – ROOF LEVEL
REC – TELECOM RM (P1)	15A 13 1 14 15A	RECEPTACLES – ROOF LEVEL
REC – ELEVATOR CONTROL RM (P1)	15A 15 1 16 15A	SECURITY PANEL
TRISORTOR CONTROL PANEL	15A 17 1 18 100A	SPARE
H-1 12KW ELECTRIC HEATER	15A 19 1 20 15A	4.8 KW ELECTRIC FORCE HEATER H-3
	15A 21 1 22 15A	SPARE
	15A 23 1 24 15A	SPARE
	15A 25 1 26 15A	SPARE
	15A 27 1 28 15A	SPARE
	15A 29 1 30 15A	SPARE
	15A 31 1 32 15A	SPARE
	15A 33 1 34 15A	SPARE
	15A 35 1 36 15A	SPARE
	15A 37 1 38 15A	SPARE
	15A 39 1 40 15A	SPARE
	15A 41 1 42 15A	SPARE

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

PANEL IDENTIF: B4	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 400 AMPS SURFACE MOUNTING:	NOTES: 60 CIRCUITS LOCATION: STACKED HOUSE
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LIGHTING – GARAGE, RM. (P1)	15A 1 1 2 15A	RECEPTACLES – STAR E (P1-3RD)
REC – SUB ELEC RM. (P1)	15A 3 1 4 15A	RECEPTACLES – STAR F (P1-3RD)
LIGHTING – LOCKER RM. (P1)	15A 5 1 6 15A	RECEPTACLES – CORRIDOR (GRD-3RD)
REC – LOBBY (P1)	15A 7 1 8 15A	RECEPTACLES – CORRIDOR (GRD-3RD)
LIGHTING – PUBLIC RM. (2ND)	15A 9 1 10 15A	RECEPTACLES – ROOF LEVEL
REC – ELEVATOR CONTROL RM (P1)	15A 11 1 12 15A	RECEPTACLES – ROOF LEVEL
TRISORTOR CONTROL PANEL	15A 13 1 14 100A	SPARE
H-1 12KW ELECTRIC HEATER	15A 15 1 16 15A	4.8 KW ELECTRIC FORCE HEATER H-3
	15A 17 1 18 15A	SPARE
	15A 19 1 20 15A	SPARE
	15A 21 1 22 15A	SPARE
	15A 23 1 24 15A	SPARE
	15A 25 1 26 15A	SPARE
	15A 27 1 28 15A	SPARE
	15A 29 1 30 15A	SPARE
	15A 31 1 32 15A	SPARE
	15A 33 1 34 15A	SPARE
	15A 35 1 36 15A	SPARE
	15A 37 1 38 15A	SPARE
	15A 39 1 40 15A	SPARE
	15A 41 1 42 15A	SPARE

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

PANEL IDENTIF: EB2	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION: STACKED HOUSE
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LIGHTING – LOBBY ELEVATORS	15A 1 1 2 15A	EXIT SIGNS – (P1) ***
LIGHTING – ELEC RM	15A 3 1 4 15A	EXIT SIGNS – (GRD-3RD) ***
LIGHTING – MECH RM	15A 5 1 6 15A	LIGHTING – STAR G (P1-3RD)
LOG – GARAGE RM (P1)	15A 7 1 8 15A	LIGHTING – STAR H (P1-3RD)
LOG – SERVICE ROOM (P1)	15A 9 1 10 15A	LIGHTING – GRD FLOOR LOBBY
LIGHTING – ELEVATOR PIT	15A 11 1 12 15A	LIGHTING – CORRIDOR (GRD)
RECEPTACLES – ELEVATOR PIT	15A 13 1 14 15A	LIGHTING – CORRIDOR (GRD)
AUTO DOOR OPENERS	15A 15 1 16 15A	LIGHTING – CORRIDOR (GRD)
AUTO DOOR OPENERS	15A 17 1 18 15A	LIGHTING – TOP OF ELEVATOR SHAFT
ENTERPHONE	15A 19 1 20 15A	REC – TOP OF ELEVATOR SHAFT
LIGHTING – GARAGE CHUTE	15A 21 1 22 15A	LIGHTING – 2ND FLOOR CORRIDOR
LIGHTING – LOCKER (2ND-3RD)	15A 23 1 24 15A	LIGHTING – CORRIDOR (GRD)
SPARE	15A 25 1 26 15A	SPARE
	15A 27 1 28 15A	SPARE
	15A 29 1 30 15A	SPARE
	15A 31 1 32 15A	SPARE
	15A 33 1 34 15A	SPARE
	15A 35 1 36 15A	SPARE
	15A 37 1 38 15A	SPARE
	15A 39 1 40 15A	SPARE
	15A 41 1 42 15A	SPARE

PANEL IDENTIF: EB3	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION: STACKED HOUSE
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LIGHTING – LOBBY ELEVATORS	15A 1 1 2 15A	EXIT SIGNS – (P1) ***
LIGHTING – ELEC RM	15A 3 1 4 15A	EXIT SIGNS – (GRD-3RD) ***
LIGHTING – LOCKER RM	15A 5 1 6 15A	LIGHTING – STAR C (P1-3RD)
LOG – GARAGE RM (P1)	15A 7 1 8 15A	LIGHTING – STAR D (P1-3RD)
LOG – SERVICE ROOM (P1)	15A 9 1 10 15A	LIGHTING – GRD FLOOR LOBBY
RECEPTACLES – ELEVATOR PIT	15A 11 1 12 15A	LIGHTING – 3RD FLOOR LOCKER
AUTO DOOR OPENERS	15A 13 1 14 15A	LIGHTING – CORRIDOR (GRD)
AUTO DOOR OPENERS	15A 15 1 16 15A	LIGHTING – CORRIDOR (GRD)
ENTERPHONE	15A 17 1 18 15A	LIGHTING – TOP OF ELEVATOR SHAFT
LIGHTING – GARAGE CHUTE	15A 19 1 20 15A	SPARE
AUTO DOOR OPENERS	15A 21 1 22 15A	SPARE
SPARE	15A 23 1 24 15A	SPARE
	15A 25 1 26 15A	SPARE
	15A 27 1 28 15A	SPARE
	15A 29 1 30 15A	SPARE
	15A 31 1 32 15A	SPARE
	15A 33 1 34 15A	SPARE
	15A 35 1 36 15A	SPARE
	15A 37 1 38 15A	SPARE
	15A 39 1 40 15A	SPARE
	15A 41 1 42 15A	SPARE

PANEL IDENTIF: EB4	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION: STACKED HOUSE
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LIGHTING – LOBBY ELEVATORS	15A 1 1 2 15A	EXIT SIGNS – (P1) ***
LOG – ELEC RM (P1)	15A 3 1 4 15A	EXIT SIGNS – (GRD-3RD) ***
LOG – GARAGE RM (P1)	15A 5 1 6 15A	LIGHTING – STAR E (P1-3RD)
LOG – SERVICE ROOM (P1)	15A 7 1 8 15A	LIGHTING – STAR F (P1-3RD)
LIGHTING – ELEVATOR PIT	15A 9 1 10 15A	LIGHTING – GRD FLOOR LOBBY
RECEPTACLES – ELEVATOR PIT	15A 11 1 12 15A	LIGHTING – 3RD FLOOR LOCKER
AUTO DOOR OPENERS	15A 13 1 14 15A	LIGHTING – CORRIDOR (GRD)
AUTO DOOR OPENERS	15A 15 1 16 15A	LIGHTING – CORRIDOR (GRD)
ENTERPHONE	15A 17 1 18 15A	LIGHTING – TOP OF ELEVATOR SHAFT
LIGHTING – GARAGE CHUTE	15A 19 1 20 15A	REC – TOP OF ELEVATOR SHAFT
LOG – PUBLIC RM (2ND)	15A 21 1 22 15A	LIGHTING – CORRIDOR (2ND)
SPARE	15A 23 1 24 15A	LIGHTING – CORRIDOR (2ND)
	15A 25 1 26 15A	LIGHTING – CORRIDOR (GRD)
	15A 27 1 28 15A	LIGHTING – CORRIDOR (GRD)
	15A 29 1 30 15A	SPARE
	15A 31 1 32 15A	SPARE
	15A 33 1 34 15A	SPARE
	15A 35 1 36 15A	SPARE
	15A 37 1 38 15A	SPARE
	15A 39 1 40 15A	SPARE
	15A 41 1 42 15A	SP