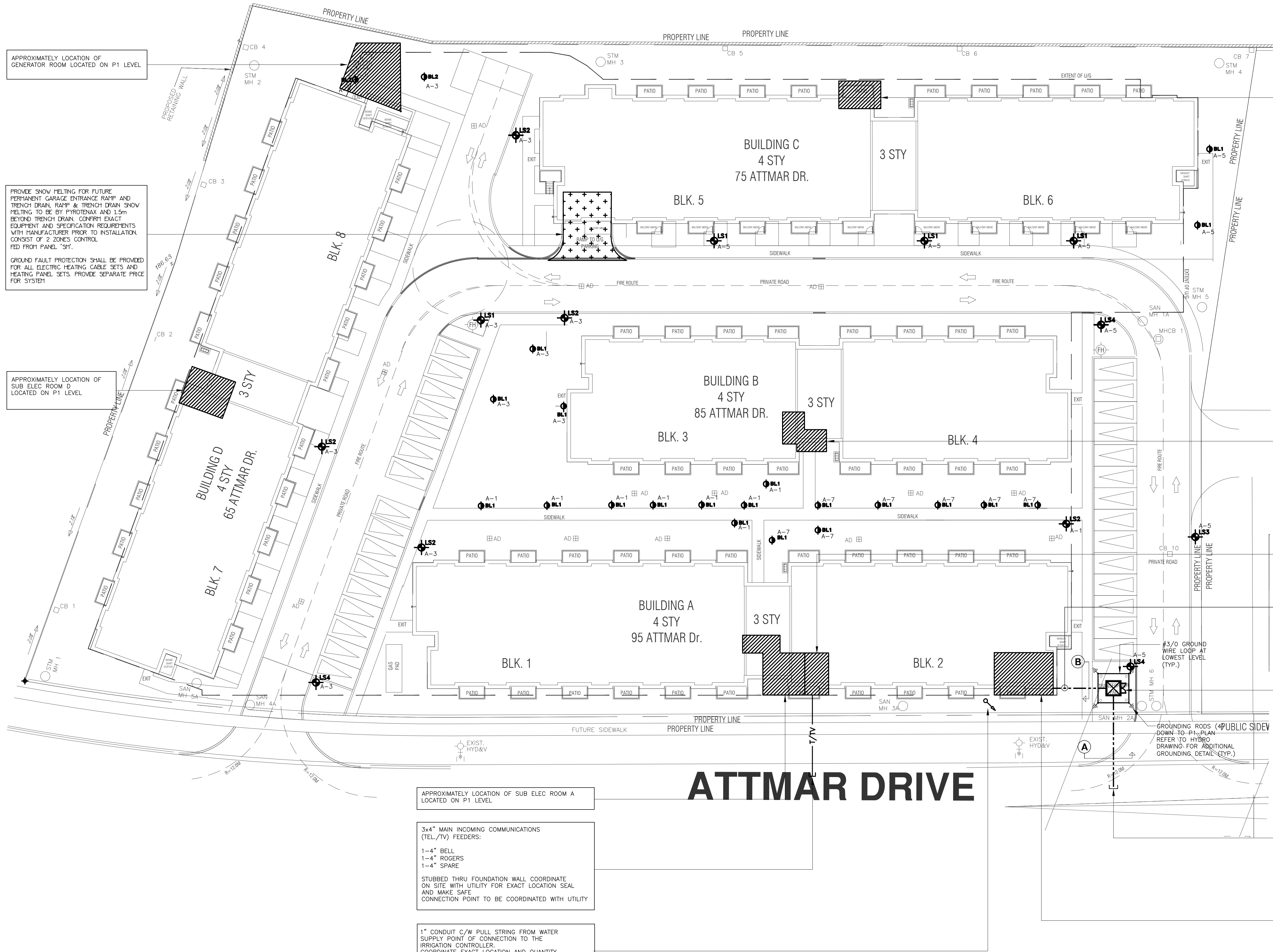




ATTMAR DRIVE

LEGEND	
	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 COMBO 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
	FIRE ALARM STROBE LIGHT
	FIRE ALARM COMBINATION HORN/STROBE LIGHT
	FIRE ALARM CEILING MOUNTED HORN
	FIRE ALARM WALL MOUNTED HORN
	HEAT DETECTOR 94 DEGREE C FIXED TEMPERATURE
	HEAT DETECTOR 58 DEGREE C FIXED TEMP. & RATE OF RISE
	COMBINATION 120V SMOKE ALARM & HEAT DETECTOR
	PHOTOELECTRIC SMOKE DETECTOR
	IONIZATION SMOKE DETECTOR
	DUCKET 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
	SUPERVISED 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-SZ, SKP-A-DAY, ASTROLOG, 24 HOURS)
	SURFACE MOUNTED LIGHTING OR POWER PANEL
	FLUSH MOUNTED LIGHTING OR POWER PANEL
	NEED TO DEVICES INDICATES WEATHER PROOF, GROUND FAULT INTERRUPTER AND ISOLATED GROUND
	IDENTIFIES LIGHTING FIXTURE TYPE
	RECESSED STEP LIGHT
	NOTE: THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

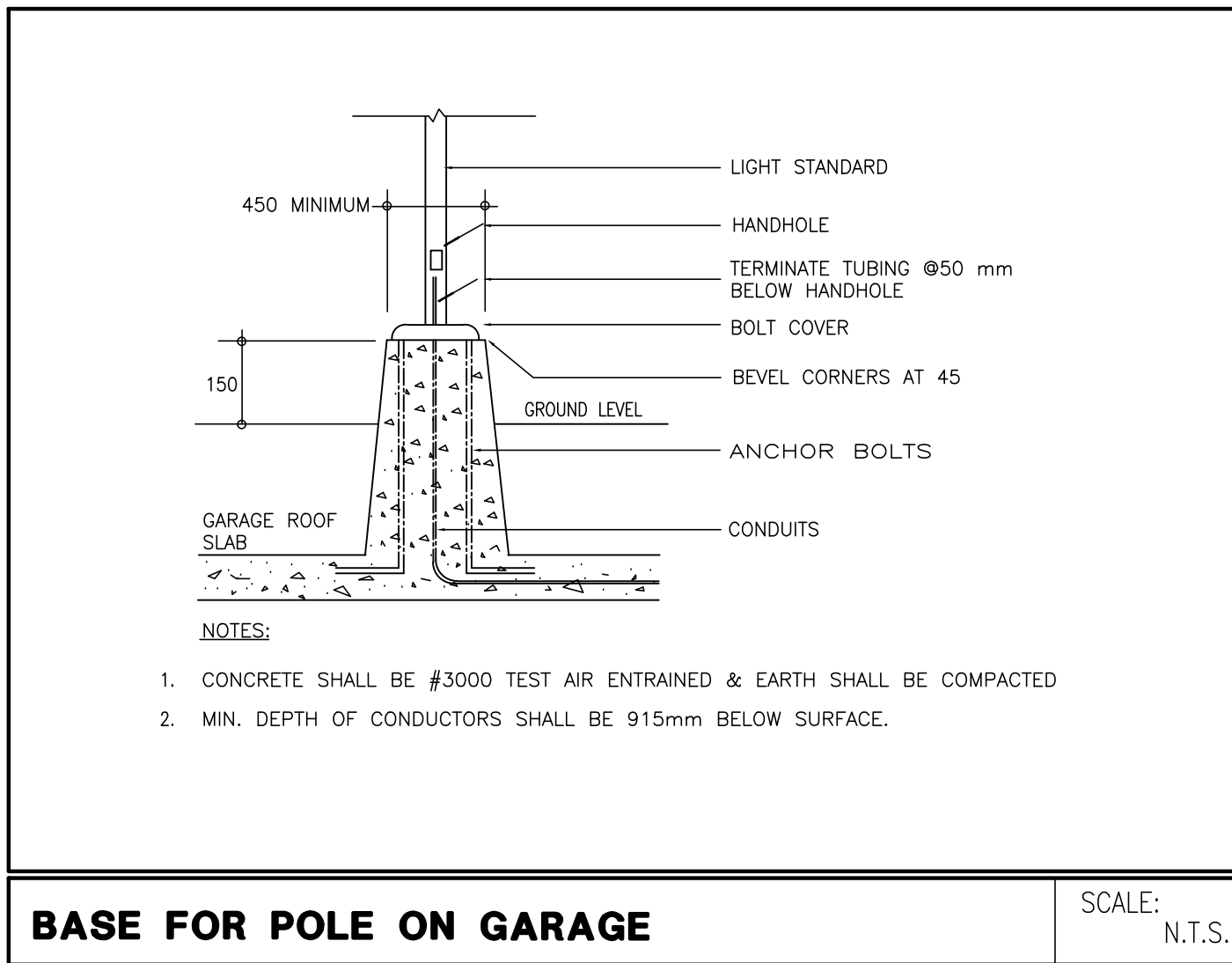
GENERAL NOTES:

- 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 BY WHOLE 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 DRAW DRIPS LOCATION MUST BE CO-ORDINATED WITH THE MECHANICAL CONTRACTOR ON SITE. ALL DRAW 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. ALL 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 AFCI EXCEPT BRANCH CIRCUITS SUPPLYING RECEPTACLES ON KITCHEN COUNTER (FOR PERSON WITH DISABILITIES) BATHROOMS/BEDROOMS (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

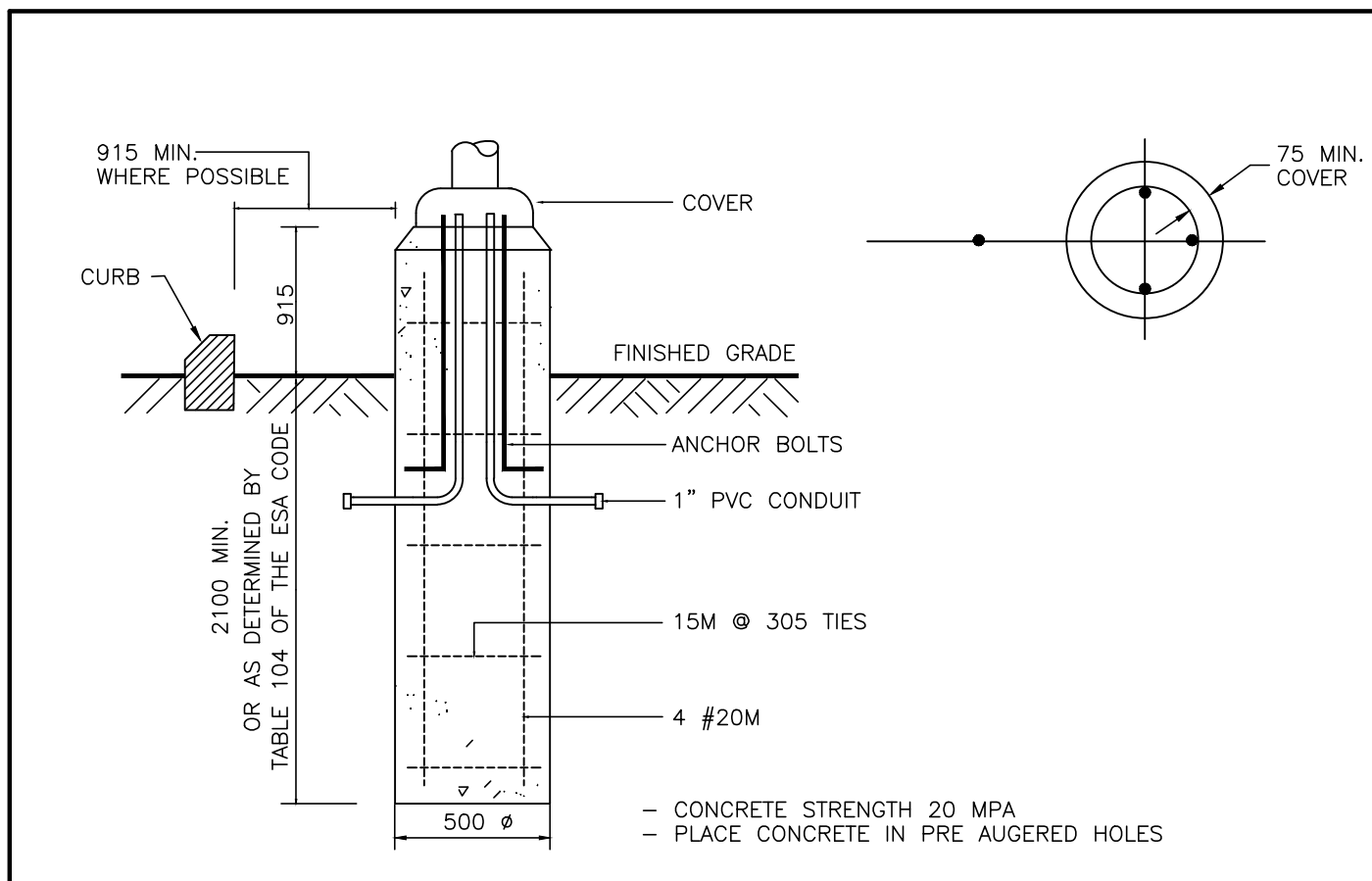
DWG. #	TITLE	SCALE
E-1	SITE PLAN	1:250
E-2A/E-2B	PARKING LEVEL	1:100
E-2C	PARKING LEVEL ELECTRICAL ROOM LAYOUT	1:150
E-3	GROUND FLOOR PLAN	1:150
E-4	2ND FLOOR PLAN	1:150
E-5	3RD FLOOR PLAN	1:150
E-6	4TH FLOOR PLAN	1:150
E-7	ROOF PLAN	1:150
E-8	TYPICAL SUITE LAYOUT	1:75
E-8A	TYPICAL SUITE LAYOUT A	1:75
E-8A/9B	DETAILS	N.T.S.
E-10	RISER 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: 208Y/120V, 34, 4W MAIN CCT. BRK: - MANS: 125 AMPS MOUNTING: SURFACE				NOTES:	
LOAD DESCRIPTION		WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION
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		SPARE
EXTERIOR LIGHTING (1ST)		15A	7	8	15A		
SPARE		15A	9	10	15A		
		15A	11	12	15A		
		15A	13	14	15A		
		15A	15	16	15A		
		15A	17	18	15A		
SPACE		19	20				SPACE
		21	22				
		23	24				
		25	26				
		27	28				
		29	30				



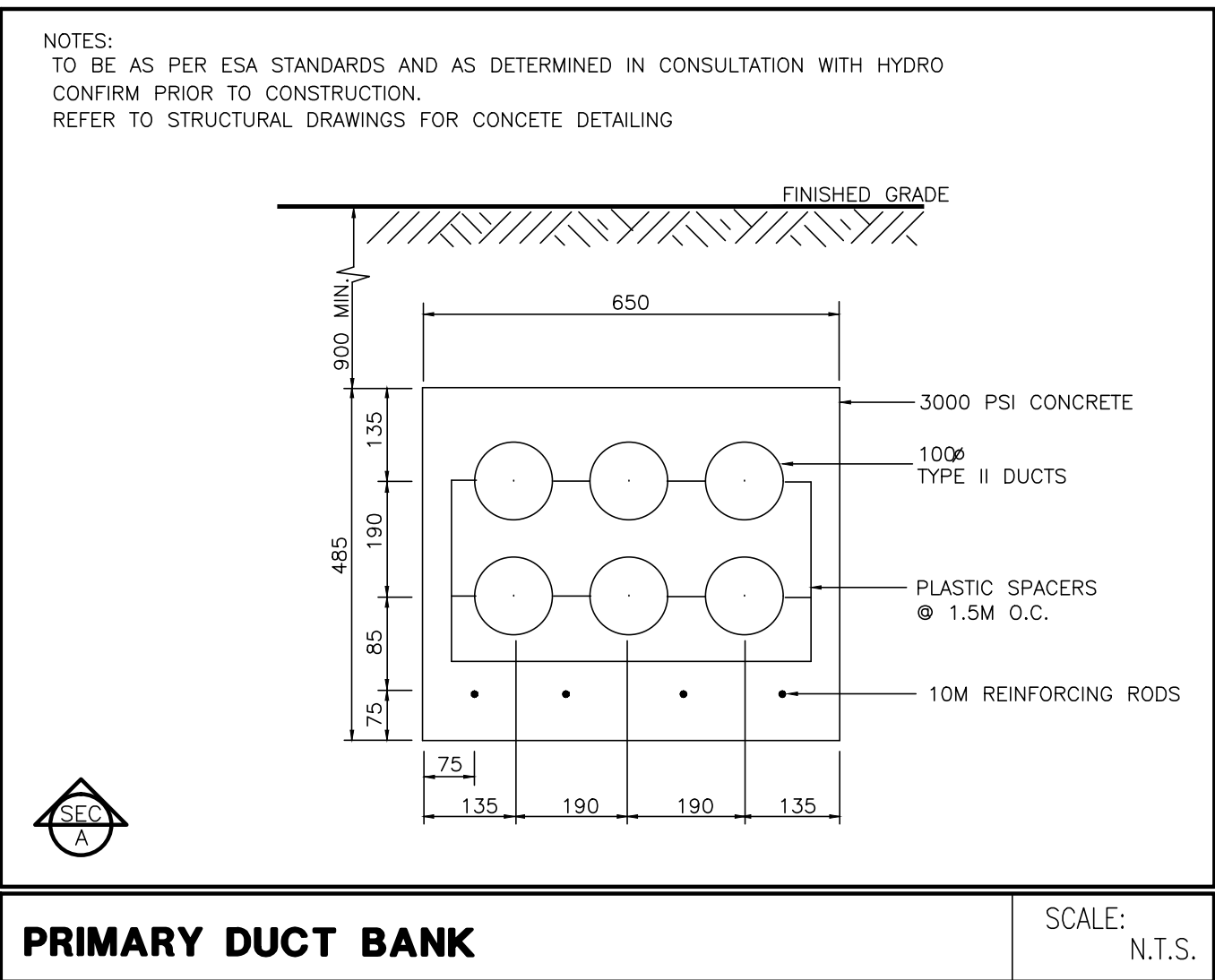
BASE FOR POLE ON GARAGE

SCALE: N.T.S.



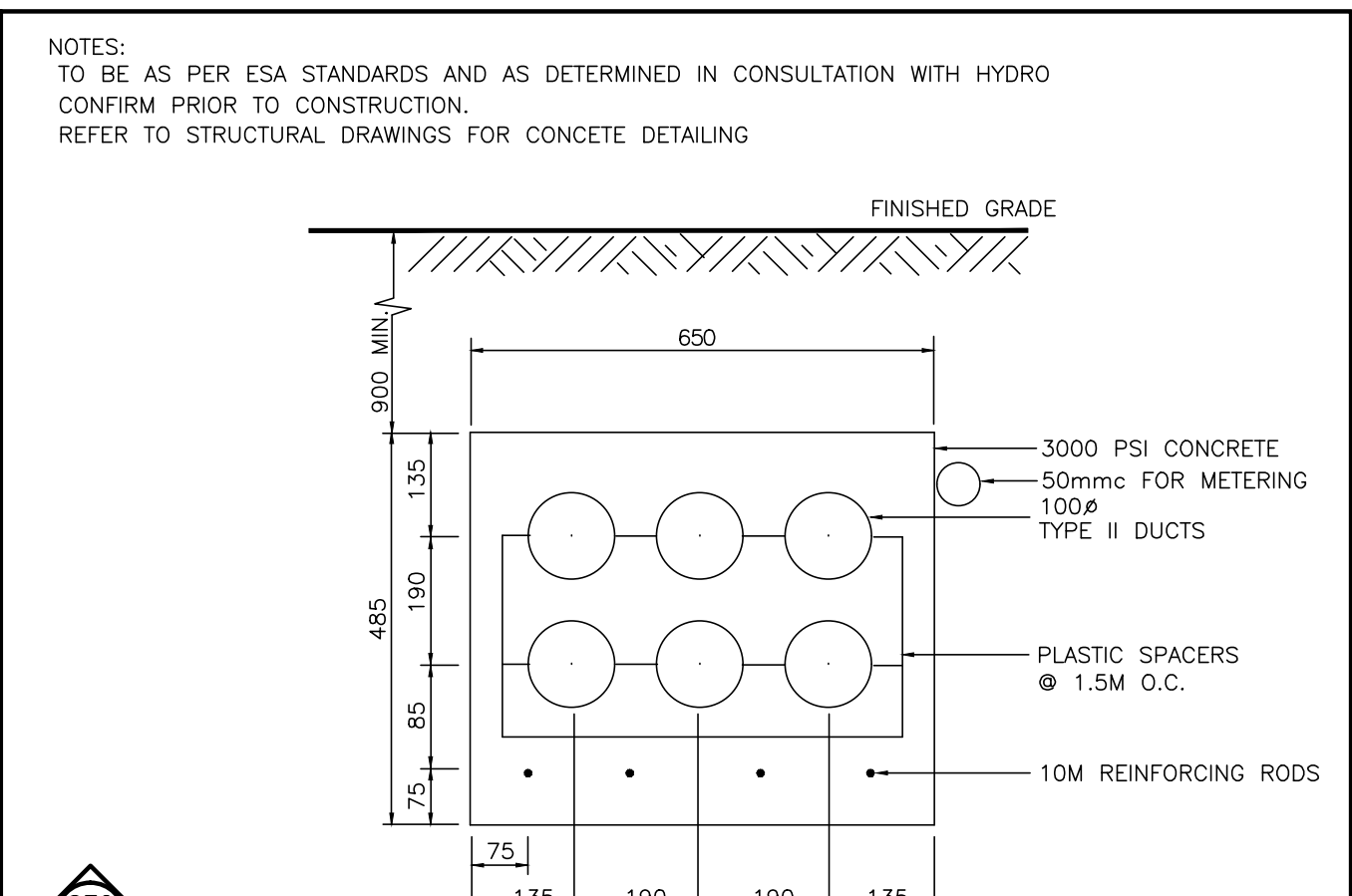
LIGHTING POLE BASE

SCALE: N.T.S.



PRIMARY DUCT BANK

SCALE: N.T.S.



SECONDARY DUCT BANK

SCALE: N.T.S.



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 TRISORT 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 SPITER (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 M0P1
- 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 CATAWANG WEATHERPROOF
- Q/H DOOR CONTROL PANEL TO BE INTERCONNECTED TO FIRE ALARM SYSTEM TO OPEN UPON ACTIVATE OF FIRE ALARM
- 20# 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 COMPARTMENT TO SUIT SUPPLIER TYPE. PROVIDE SEPARATE CHECK METER. REFER TO KSI CHARGING SYSTEMS. FED FROM DP-25.

NOTES:

- ALL INSULATE AND ELECTRICALLY HEAT TRACING TO BE READ IN CONJUNCTION WITH MECHANICAL AND SPRINKLER DRAWINGS.
- PROVIDE 120V POWER SUPPLIER FOR IRRIGATION CONTROLLER FED FROM M1-36
- EXACT IRRIGATION CONTROLLER LOCATION AND POWER REQUIREMENT FOR IRRIGATION PUMP "P-4" TBC BY LANDSCAPE DESIGNER.

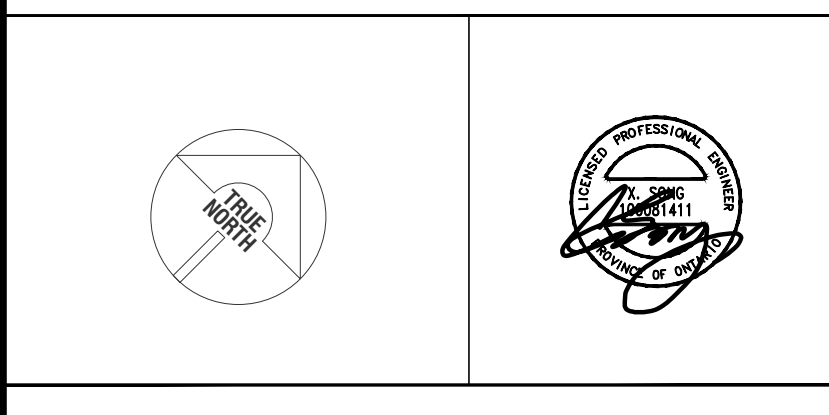
GENERAL NOTES:

- 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).
- FINAL DRIP DWP AND TEST POINTS LOCATIONS MUST BE CO-ORDINATED WITH THE FIRE PROTECTION CONTRACTOR ON SITE. ALL DRIP DWP AND TEST POINTS TO BE ELECTRICALLY TRACED AND INSULATED. FED FROM PANEL EF (TYPICAL)
- REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATION FOR DRIP DWP, TEST CONNECTIONS, PNC AND OTHER PIPE TRACING. REQUIREMENT IN THE PROTECTION SYSTEM, AS NOT AVAILABLE AT THE TIME OF TENDER
- PROVIDE LIGHT SENSORS/OCCUPANCY SENSORS WHICH IS (ARE) INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN SHOWING THE ROOM FOR MECHANICAL ROOMS AND STORAGE ROOMS. ELSE PROVIDE SENSORS OPERATION FOR THESE FANS. REFER TO MECHANICAL FAN SCHEDULE FOR FANS TO BE 24HRS OPERATION (TYPICAL)
- ALL OCCUPANCY SENSOR INSTALLATION TO BE AS PER MANUFACTURER RECOMMENDATION.
- EXIT SIGNS TO BE 5W OR LESS PER FACE.

NO.	BY	DESCRIPTION	DATE
14	SP	ISSUED FOR I.F.C.	AUG. 05, 2022
13	SP	ISSUED FOR SITE INSTRUCTION E-9	AUG. 05, 2022
12	SP	REVISED AS PER S.I. A10 REDISSUED FOR PERMIT	OCT. 15, 2021
11	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION #2	JUN. 15, 2021
10	SP	ISSUED FOR SITE INSTRUCTION E-6	JUN. 04, 2021
09	SP	ISSUED FOR SITE INSTRUCTION E-1	APR. 13, 2021
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

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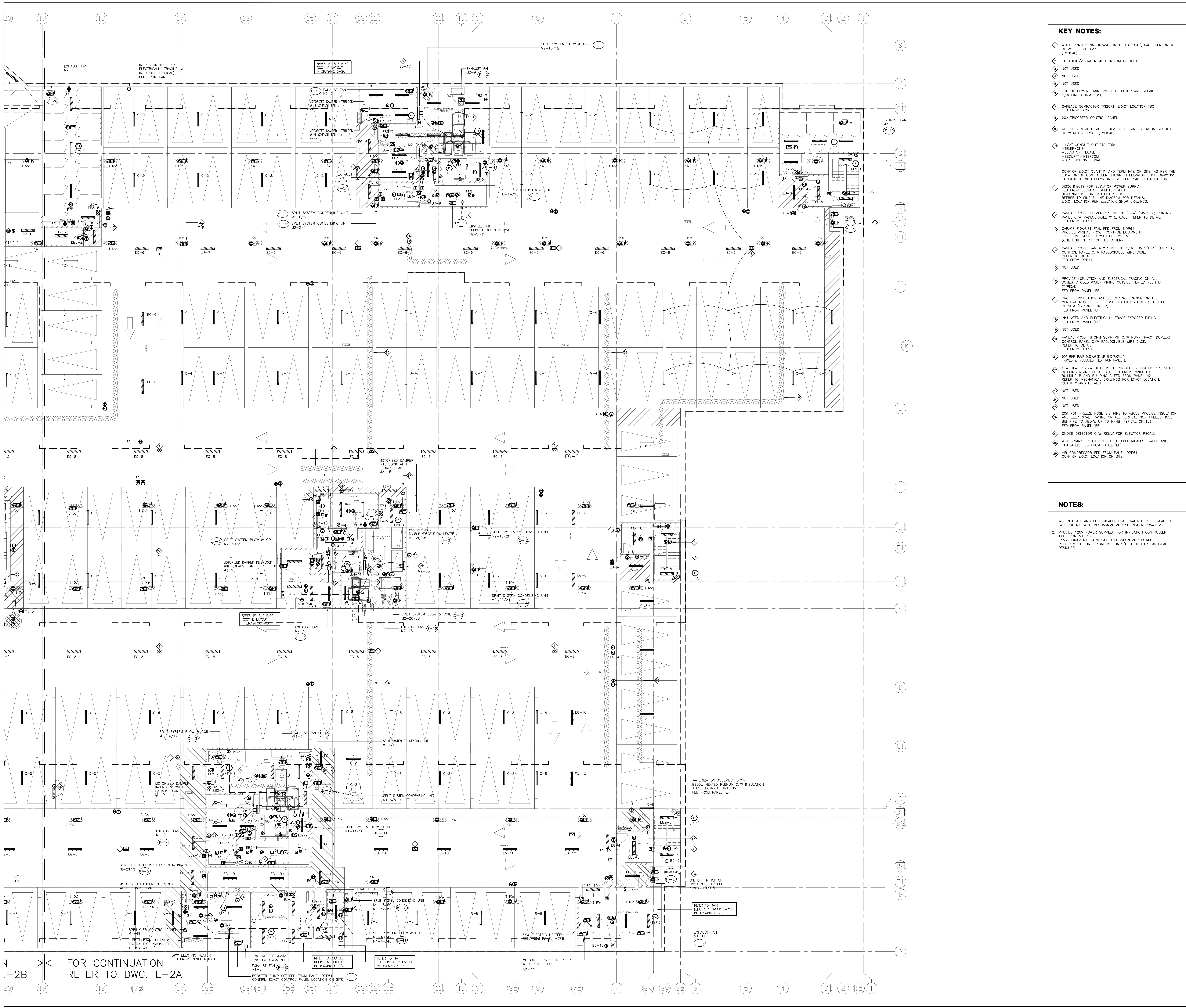


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TITLE
**PARKING LEVEL PART A
ELECTRICAL**

PROJECT
**BRAMPTON STACKED
FORESTSIDE ESTATES**
**ATTMAR + PALLESCI 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 DPE2.
 - ◇ 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" (DUPLICATE) CONTROL. C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DPE2.
 - ◇ GARAGE EXHAUST FAN FED FROM MDP61. 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" (DUPLICATE) CONTROL. PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DPE1.
 - ◇ 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" (DUPLICATE) CONTROL. PANEL C/W PADLOCKABLE WIRE CAGE. REFER TO DETAIL FED FROM DPE2.
 - ◇ 50P SUMP PUMP DISCHARGE UP ELECTRICALLY TRACED & INSULATED, FED FROM PANEL "EF".
 - ◇ HW 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
 - ◇ 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 NFB (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 DPE1. 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.

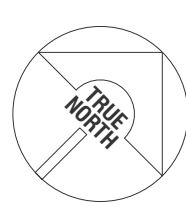
GENERAL NOTES:

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 DPM AND TEST POINT LOCATIONS MUST BE CO-ORDINATED WITH THE FIRE PROTECTION CONTRACTOR ON SITE. ALL DRIFT DPMs AND TEST POINTS TO BE ELECTRICALLY TRACED AND INSULATED. FED FROM PANEL "EF".
3. FINAL DRIFT DPM AND TEST POINTS MUST BE CO-ORDINATED WITH MECHANICAL CONTRACTOR ON SITE. ALL EXPOSED P-TRAPS TO BE ELECTRICALLY TRACED AND INSULATED. FED FROM PANEL "EF".
4. PROVIDE LIGHT SWITCHES/OCCUPANCY SENSORS WHICH IS (ARE) INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN SERVING THE ROOMS FOR MECHANICAL ROOMS AND STORAGE ROOMS. ELSE PROVIDE SENSORS OPERATION FOR THOSE FANS. REFER TO MECHANICAL FAN SCHEDULE FOR FANS TO BE 24HRS OPERATION (TYPICAL).
5. ALL OCCUPANCY SENSOR INSTALLATION TO BE AS PER MANUFACTURER RECOMMENDATION.
6. EXIT SIGNS TO BE SW OR LESS PER FACE.

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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 PART B
ELECTRICAL

PROJECT
BRAMPTON STACKED FORESTSIDE ESTATES

ATTMAY + PALLESCHI DRIVE
BRAMPTON, ONTARIO

DRAWN	CHECKED	SCALE
SP	MG	1:100

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

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)
- O/H DOOR CONTROL PANEL TO BE INTERCONNECTED TO FIRE ALARM SYSTEM TO OPEN UPON ACTIVATION OF FIRE ALARM
- O/H DOOR OPERATOR FED FROM DPE21
- 'DO NOT ENTER' SIGNAGE INTERCONNECTED TO FIRE ALARM FED FROM B3-10
- WIRELESS SIGNAL RECEIVER TO ACTIVATE O/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
- RED FROM PANEL 12"
- 120V ELECTRIC 1/4" T
- TRIPLE FORCE FLOW HEATER
- ORIGAT AS SHOWN
- NOT USED
- BLADING 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



13	SP	ISSUED FOR I.F.C.	AUG. 05, 2022
12	SP	ISSUED FOR SITE INSTRUCTION E-6	OCT. 27, 2021
11	SP	REVISED AS PER S. A10 REDISSUED FOR PDWMT	OCT. 15, 2021
10	SP	ISSUED FOR SITE INSTRUCTION E-7	AUG. 09, 2021
09	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION #2	JUN. 15, 2021
08	SP	ISSUED FOR SITE INSTRUCTION E-6	JUN. 04, 2021
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
NO.	BY	DESCRIPTION	DATE

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TITLE
**GROUND FLOOR PLAN
ELECTRICAL**

PROJECT

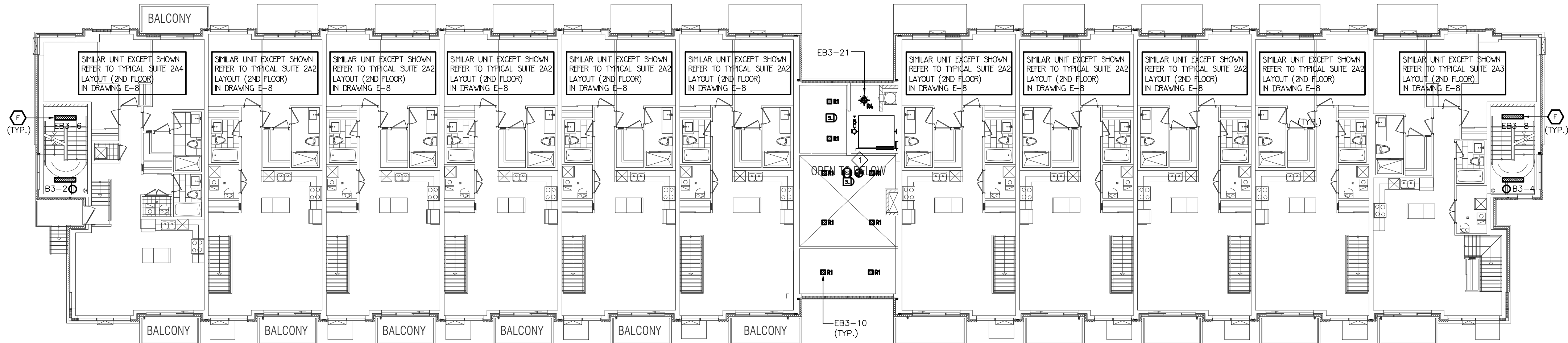
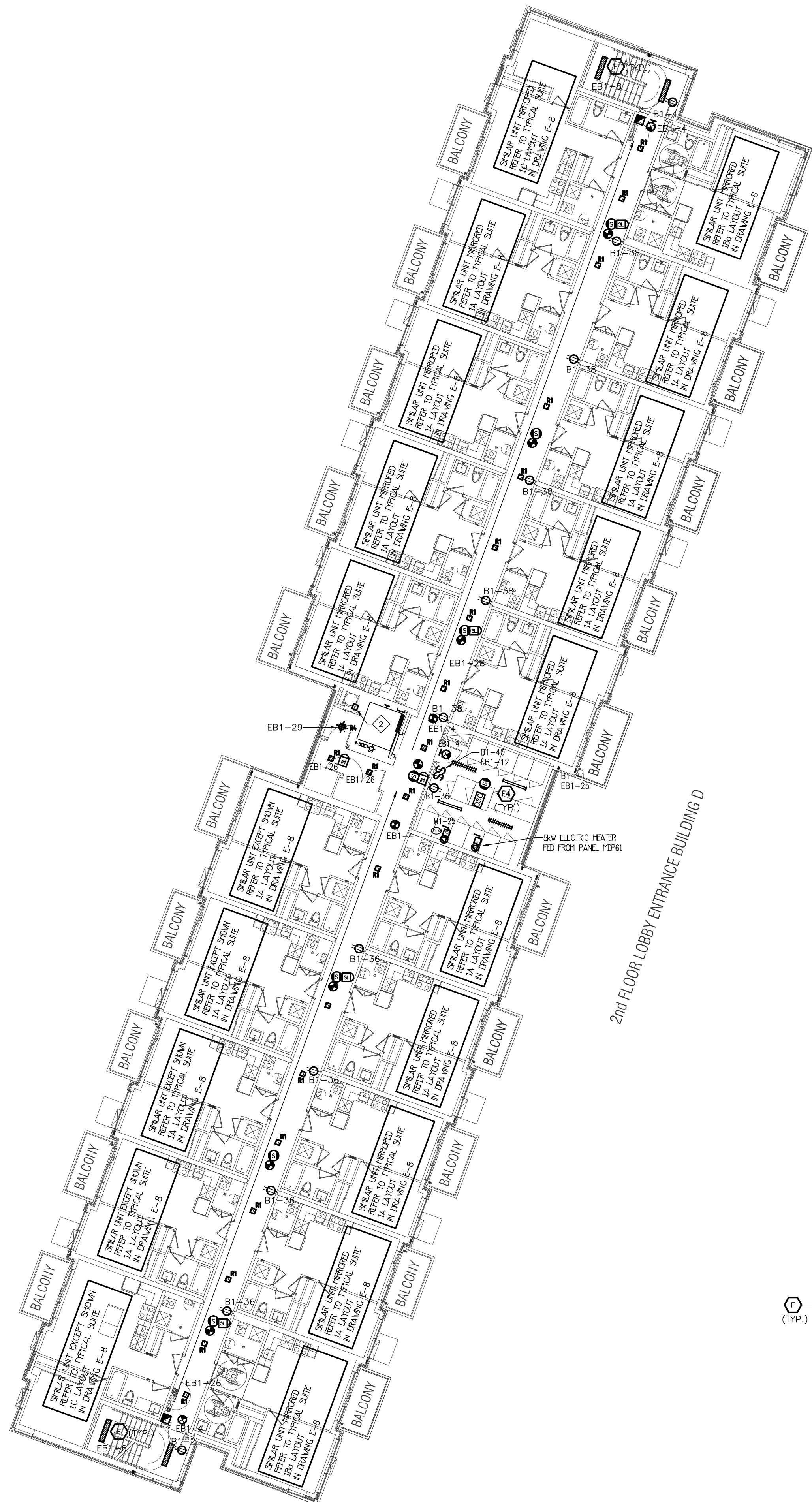
**BRAMPTON STACKED
FORETSIDE ESTATES**

**ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO**

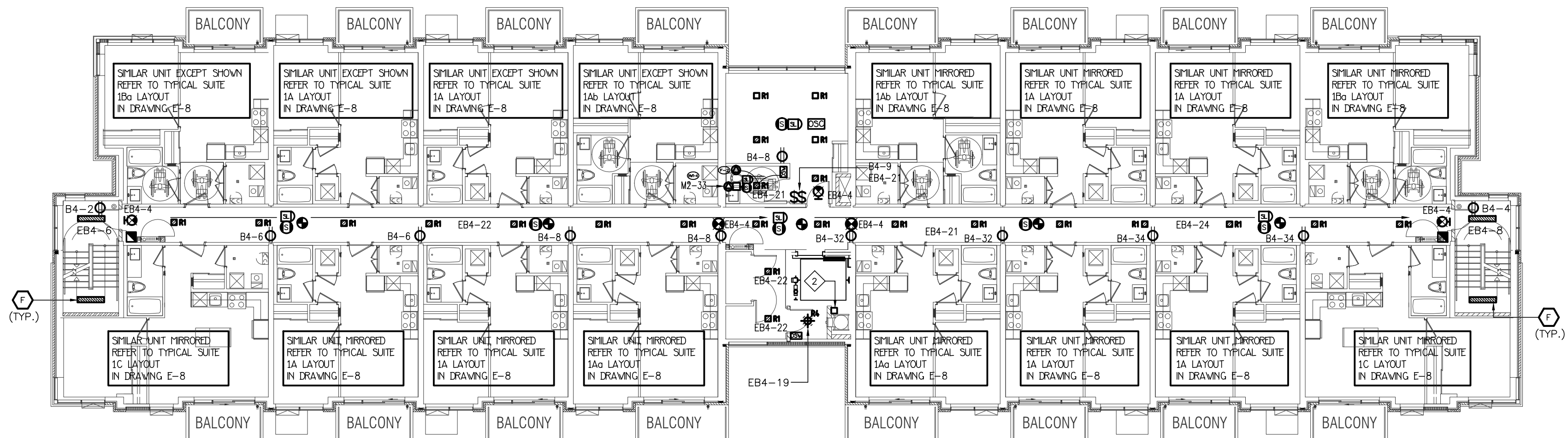
DRAWN	SP	CHECKED	MG	SCALE	1:150
DATE	MAY, 2019	PROJECT	18-017	DRAWING	E-3
				OF	16

KEY NOTES

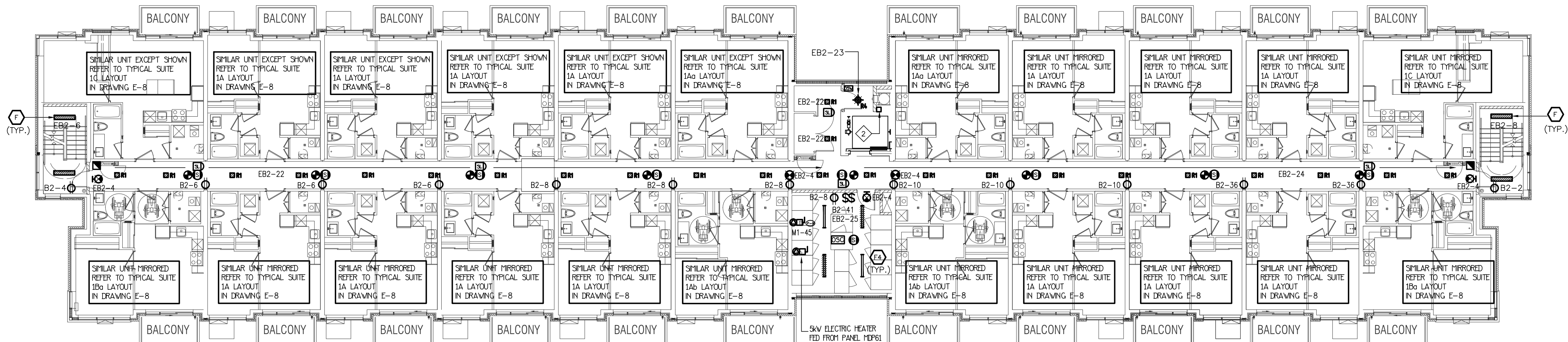
- ◇ SMOKE DETECTOR C/W RELAY FOR ELEVATOR RECALL
◇ JUNCTION BOX FOR TRI-SORT GARBAGE SYSTEM



2nd FLOOR LOBBY ENTRANCE BUILDING C



2nd FLOOR LOBBY ENTRANCE BUILDING B



2ND FLOOR LOBBY ENTRANCE BUILDING A

09	SP	ISSUED FOR I.F.C.	AUG. 05, 2022
08	SP	REVISED AS PER SA. A10 REISSUED FOR PERMIT	OCT. 15, 2021
07	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION #2	JUN. 15, 2021
06	SP	ISSUED FOR SITE INSTRUCTION E-6	JUN. 04, 2021
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
NO.	BY	DESCRIPTION	DATE

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TITLE
**2ND FLOOR PLAN
ELECTRICAL**

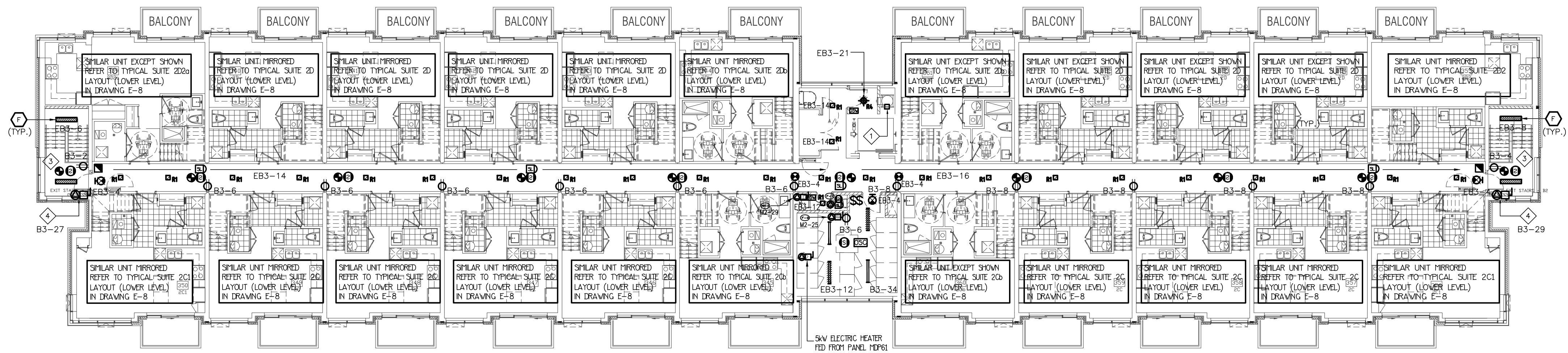
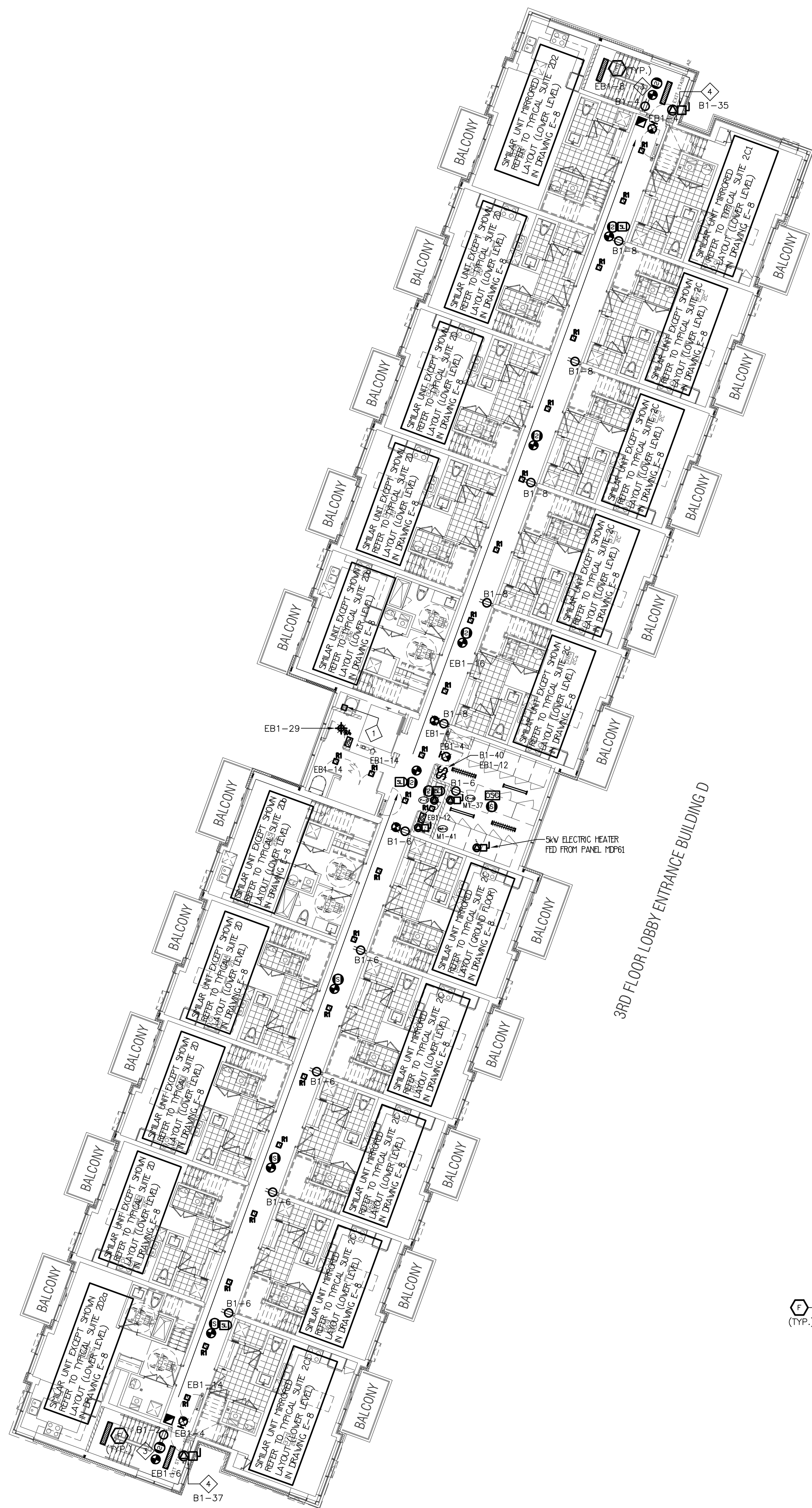
PROJECT
**BRAMPTON STACKED
FORESTSIDE ESTATES**

ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO

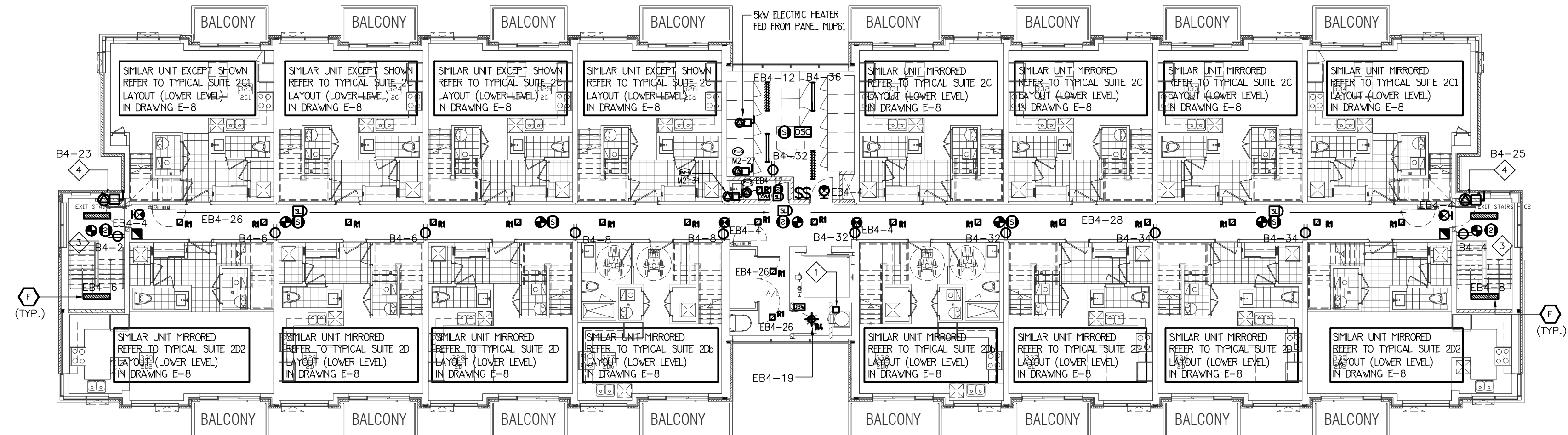
DRAWN SP	CHECKED MG	SCALE 1:150
DATE MAY, 2019	PROJECT 18-017	DRAWING E-4
		OF 16

KEY NOTES

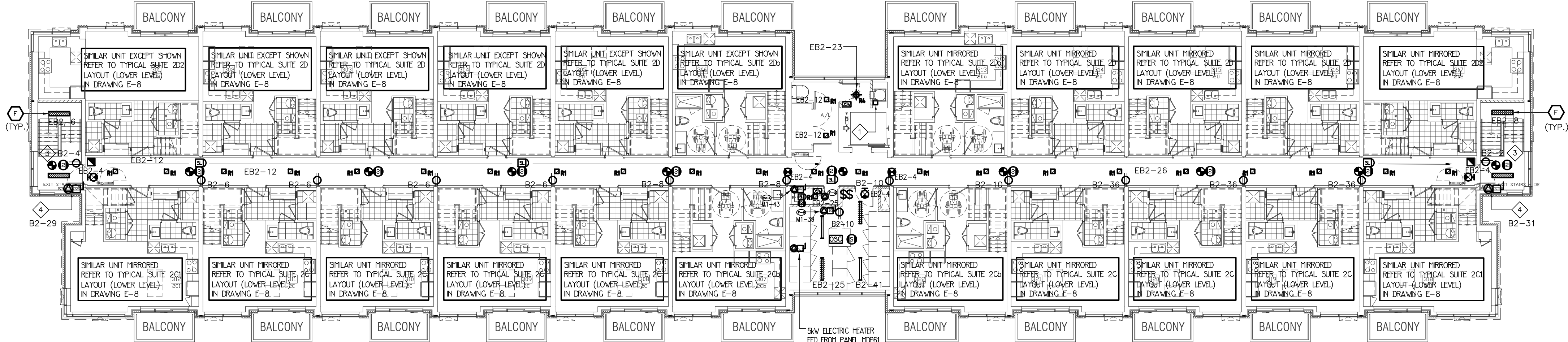
- JUNCTION BOX FOR TR-SORT GARBAGE SYSTEM
- NOT USED
- TOP OF STAIR SMOKE DETECTOR AND SPEAKER C/W FIRE ALARM ZONE
- 1.0KW ELECTRIC BASEBOARD HEATER



3RD FLOOR LOBBY ENTRANCE BUILDING C



3RD FLOOR LOBBY ENTRANCE BUILDING B



3RD FLOOR LOBBY ENTRANCE BUILDING A

11	SP	ISSUED FOR I.F.C.	AUG. 05, 2022
10	SP	REVISED AS PER S.I. A10 ISSUED FOR PERMIT	OCT. 15, 2021
09	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION #2	JUN. 15, 2021
08	SP	ISSUED FOR SITE INSTRUCTION E-6	JUN. 04, 2021
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
NO.	BY	DESCRIPTION	DATE

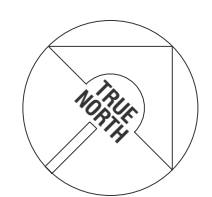
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TITLE
**3RD FLOOR PLAN
ELECTRICAL**

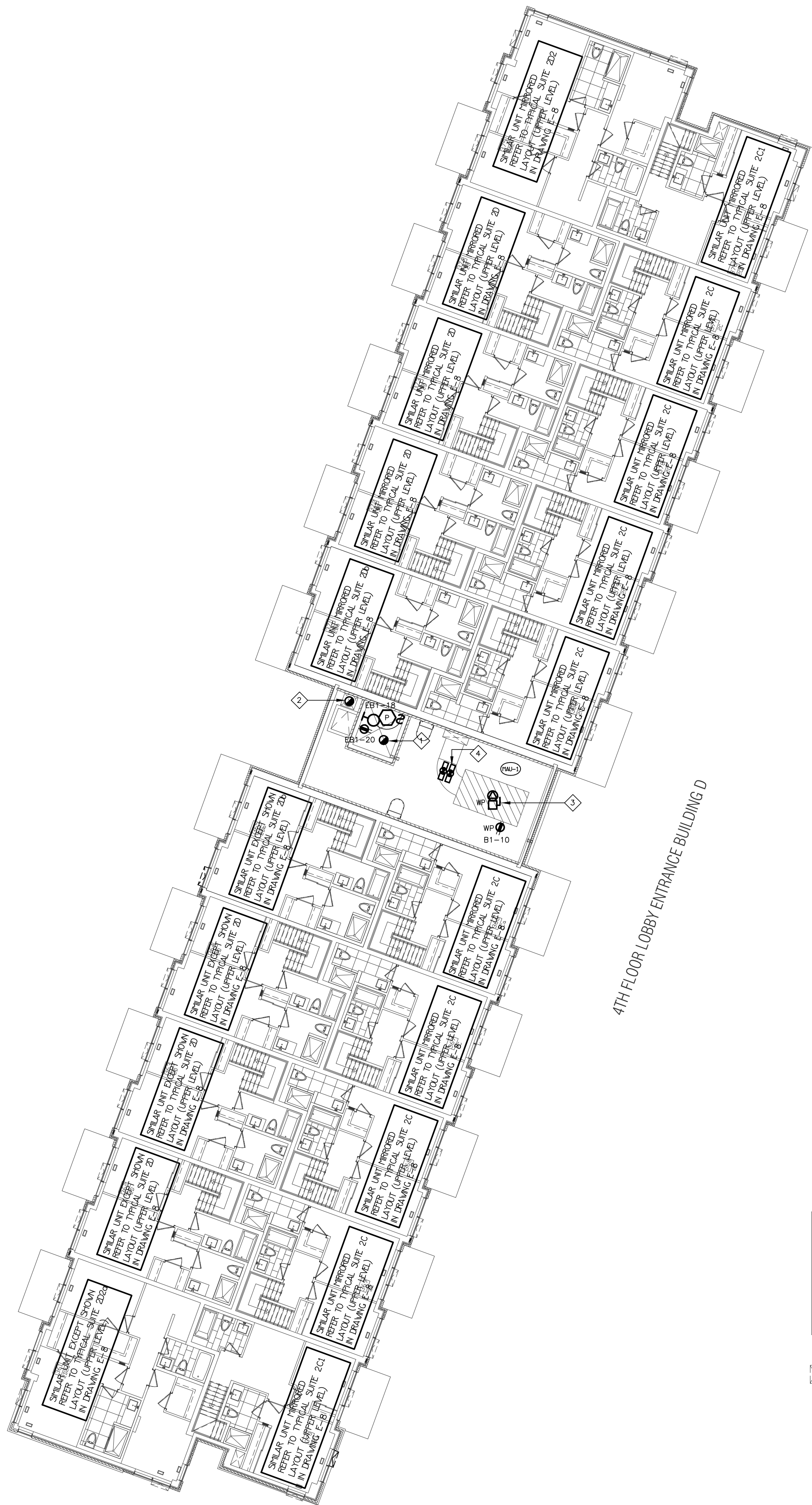
PROJECT
**BRAMPTON STACKED
FORESTSIDE ESTATES**

ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO

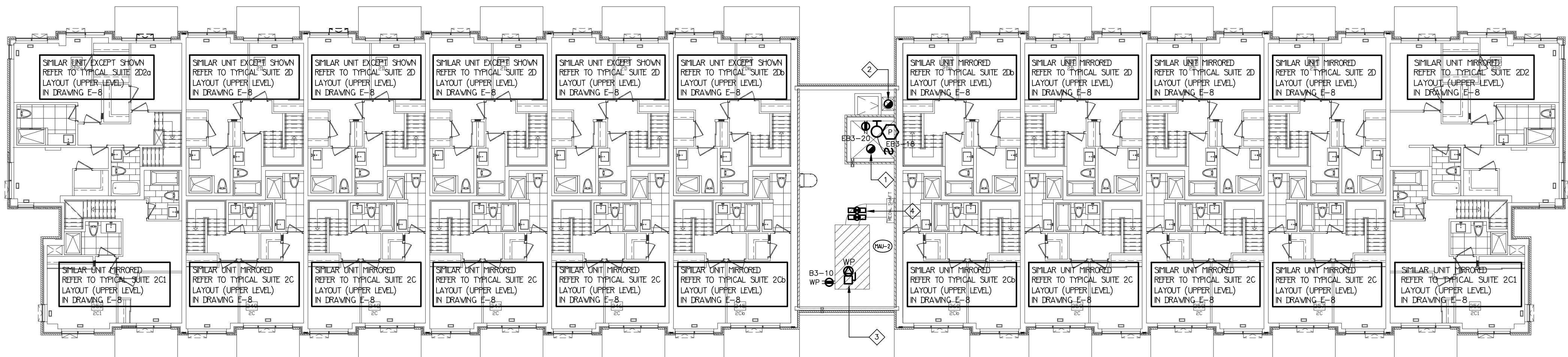
DRAWN SP	CHECKED MG	SCALE 1:150
DATE MAY, 2019	PROJECT 18-017	DRAWING E-5 OF 16

KEY NOTES

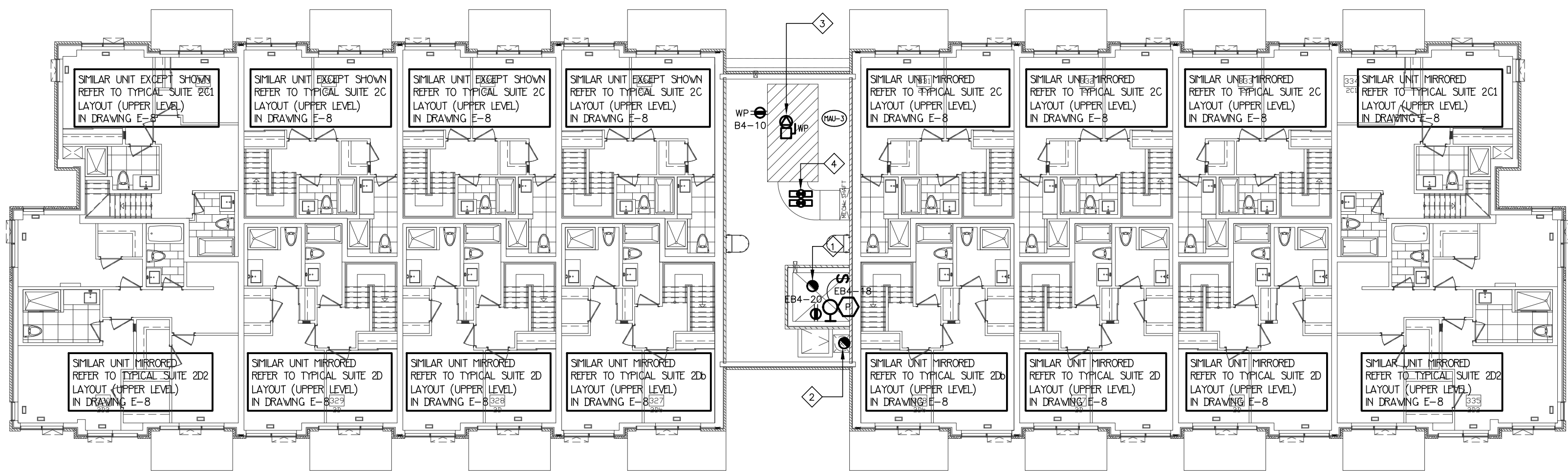
- ELEVATOR SHAFT HEAT DETECTOR AT TOP OF SHAFT
- HEAT DETECTOR AT THE TOP OF GARBAGE CHUTE C/W FIRE ALARM ZONE
- MAKE UP AIR UNIT (MOUNTED ON ROOF) FED FROM MOIST
- DUCT MOUNTED SMOKE DETECTOR C/W FIRE ALARM ZONE



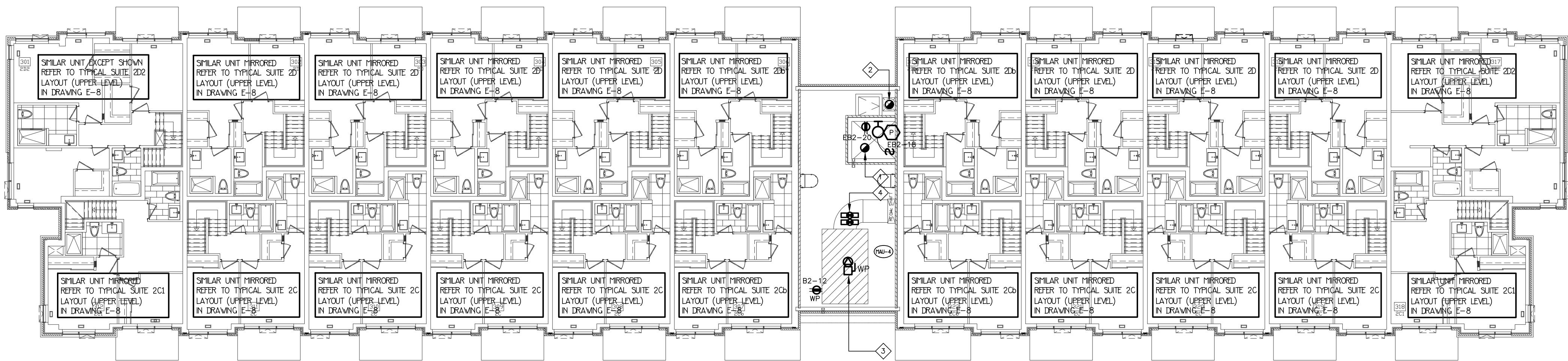
4TH FLOOR LOBBY ENTRANCE BUILDING D



4TH FLOOR LOBBY ENTRANCE BUILDING C



4TH FLOOR LOBBY ENTRANCE BUILDING B



4TH FLOOR LOBBY ENTRANCE BUILDING A

NO.	BY	DESCRIPTION	DATE
11	SP	ISSUED FOR I.F.C.	AUG. 05, 2022
10	SP	REVISED AS PER S. A10 REDISSUED FOR PERMIT	OCT. 15, 2021
09	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION #2	JUN. 15, 2021
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

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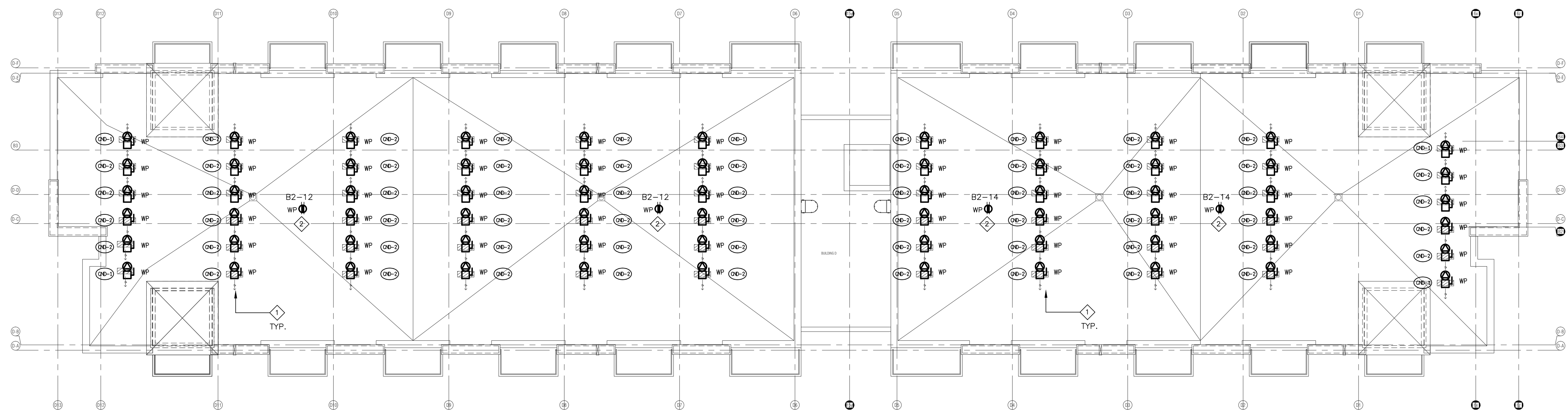
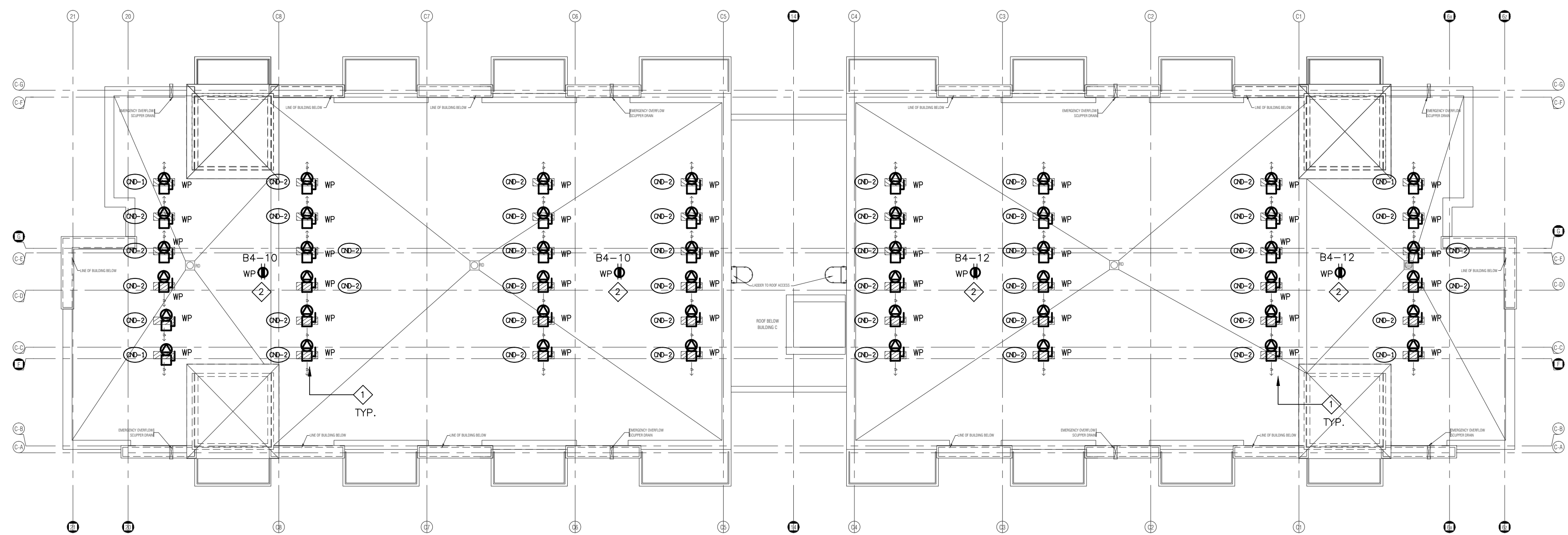
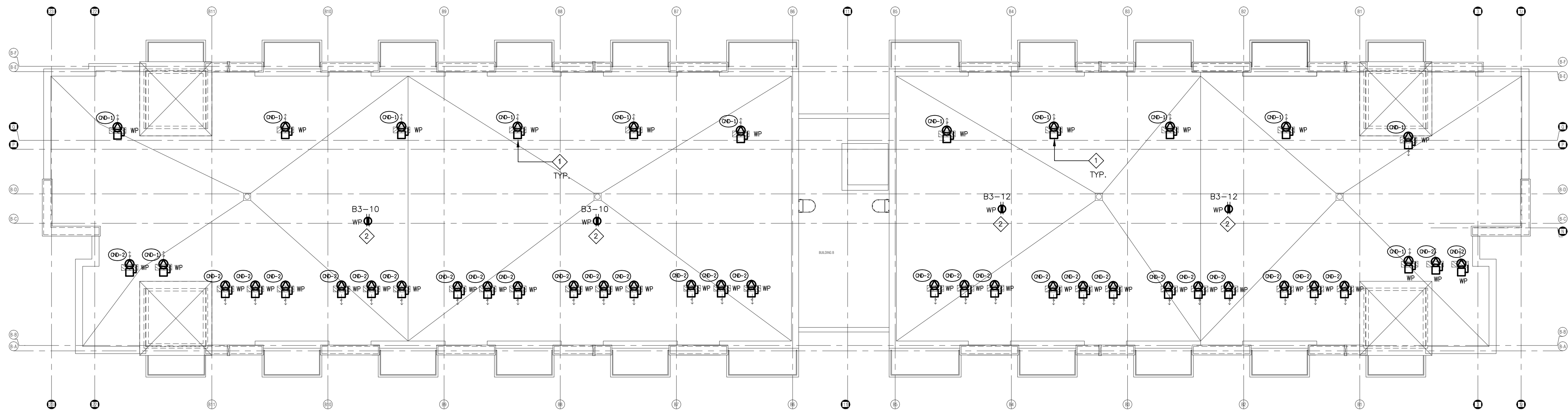
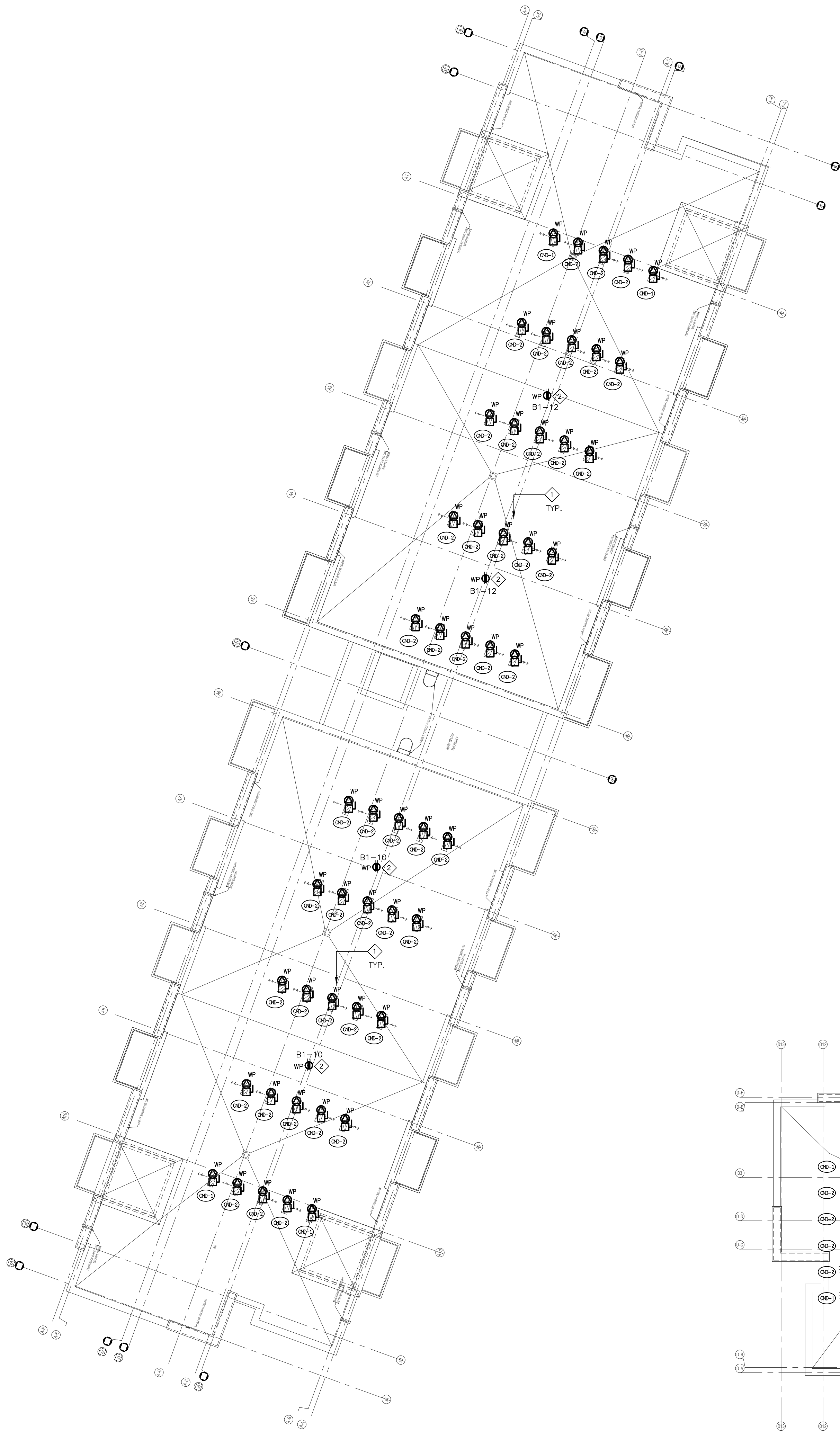
TITLE
**4TH FLOOR PLAN
ELECTRICAL**

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-6
		OF 16

KEY NOTES

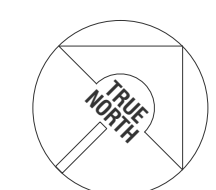
- ◇ CONDENSING UNIT FED FROM STACKED HOUSE SUITE PANEL
REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITY
◇ WEATHER PROOF PEDESTAL MOUNTED RECEPTACLES



NO.	BY	DESCRIPTION	DATE
11	SP	ISSUED FOR I.F.C.	AUG. 05, 2022
10	SP	REVISED AS PER S.I. A10 REDISSUED FOR PERMIT	OCT. 15, 2021
09	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION #2	JUN. 15, 2021
08	SP	ISSUED FOR SITE INSTRUCTION E-6	JUN. 04, 2021
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

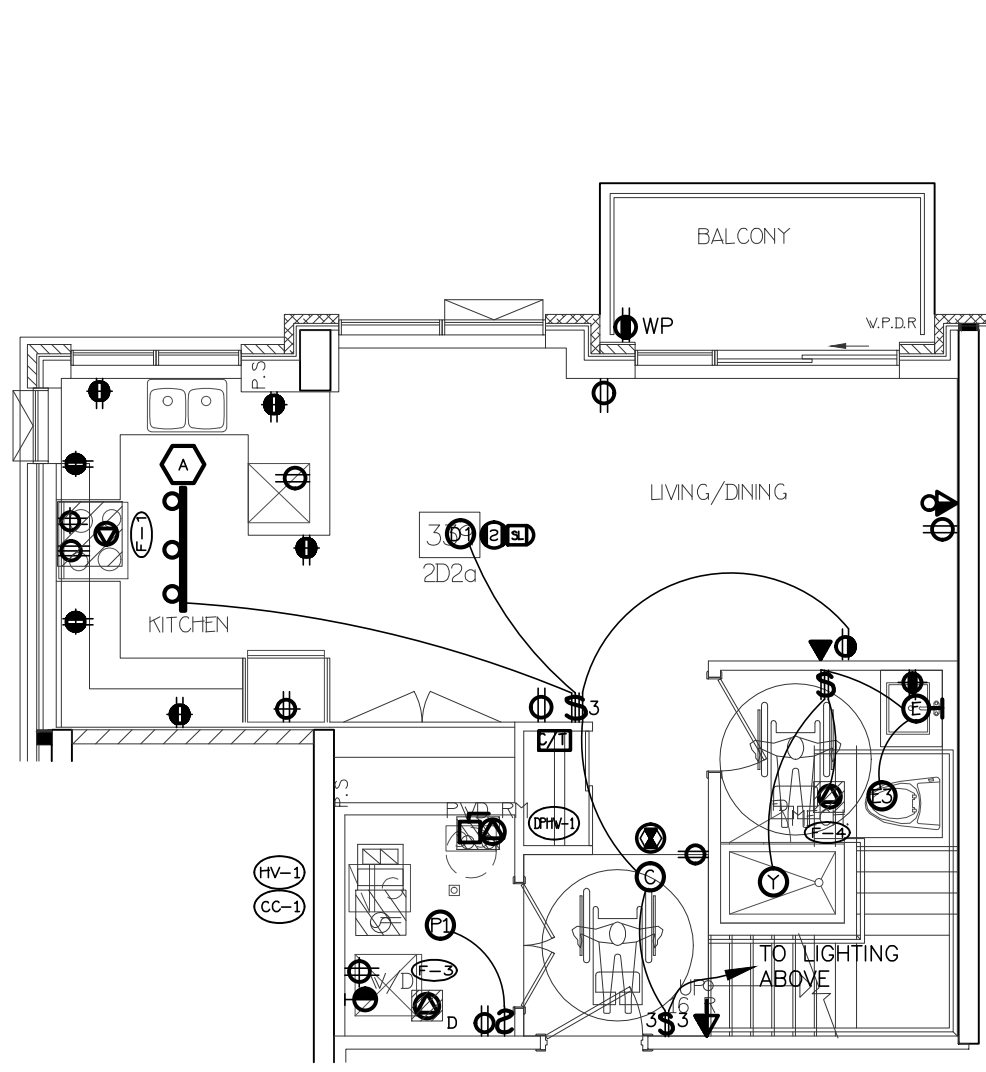
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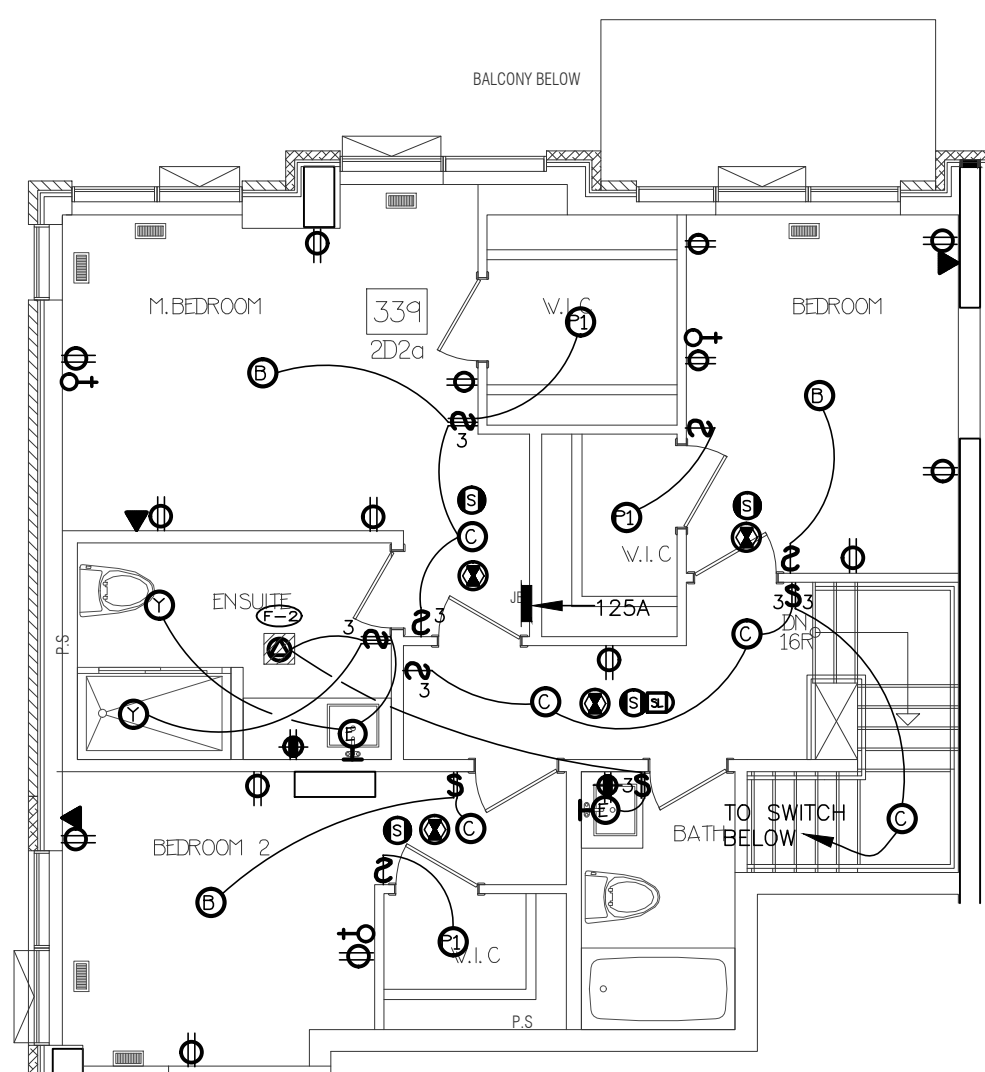


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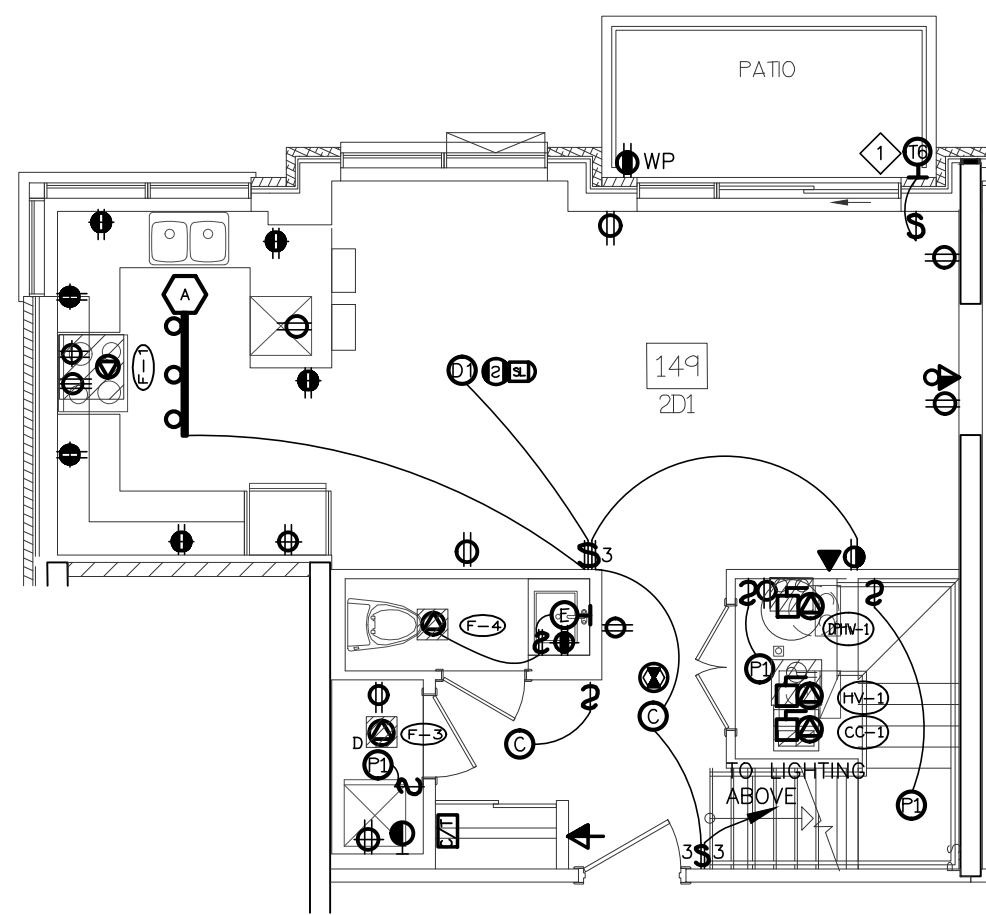
TITLE ROOF PLAN ELECTRICAL			
PROJECT BRAMPTON STACKED FORESTSIDE ESTATES ATTMAR + PALLESCHI DRIVE BRAMPTON, ONTARIO			
DRAWN SP	CHECKED MG	SCALE 1:150	
DATE MAY, 2019	PROJECT 18-017	DRAWING E-7	OF 16



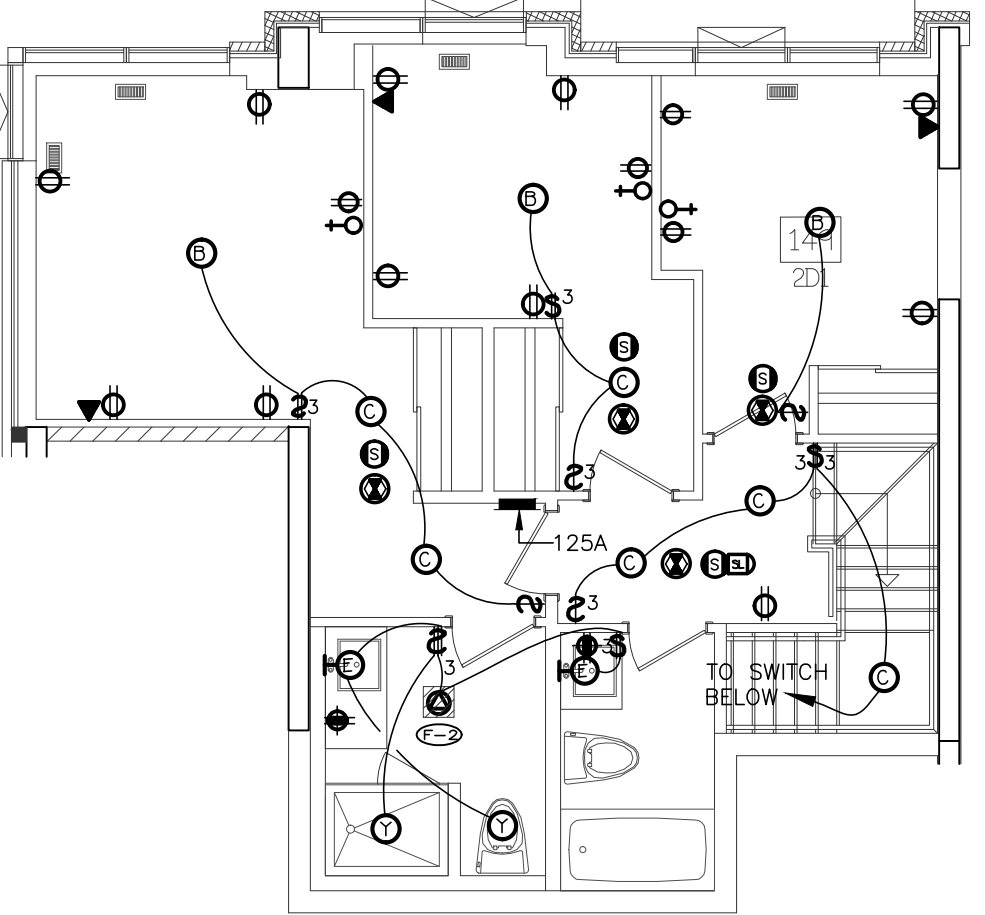
21 SUITE LAYOUT TYPE 2D2a
LOWER LEVEL



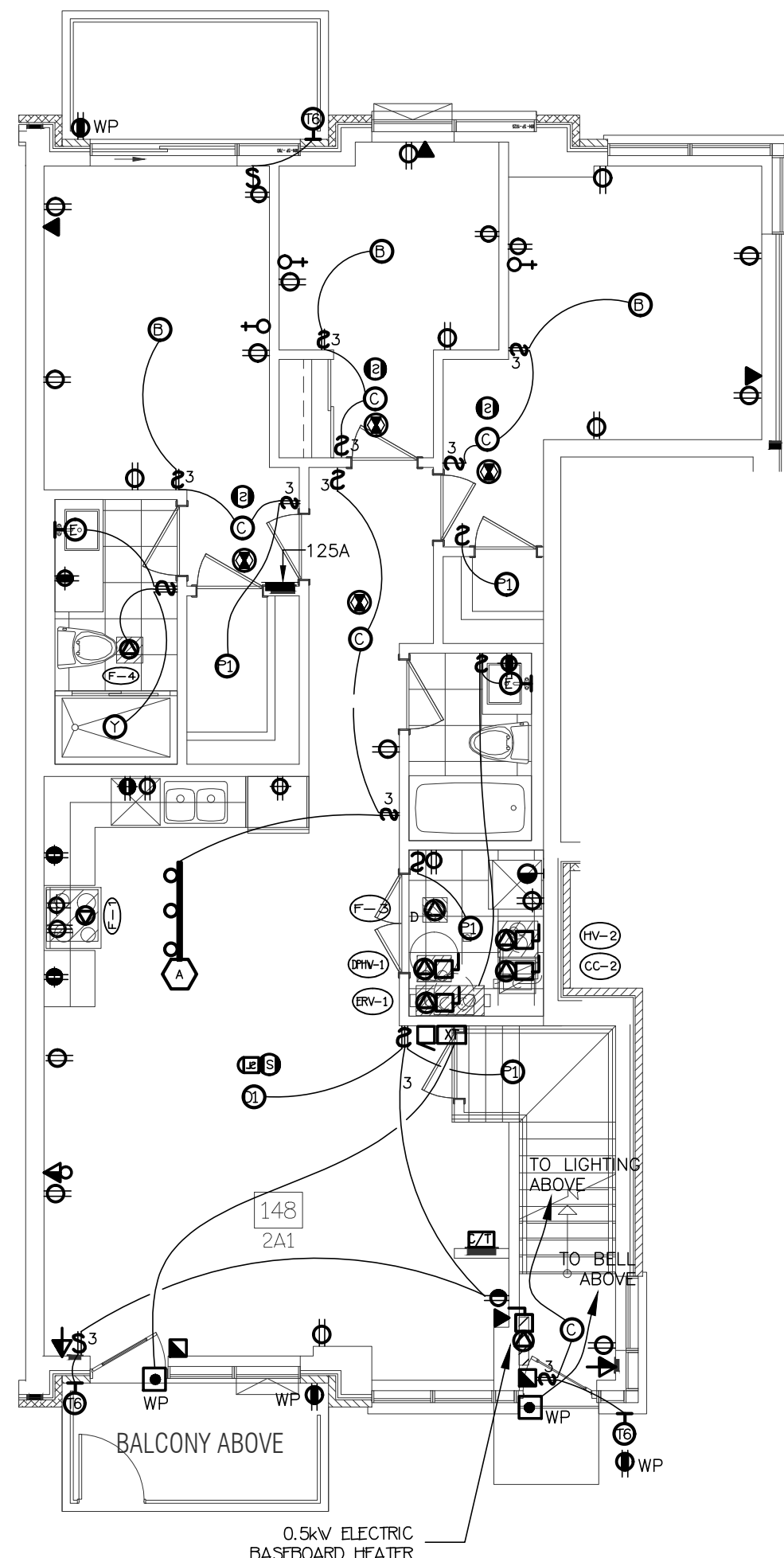
22 SUITE LAYOUT TYPE 2D2a
UPPER LEVEL



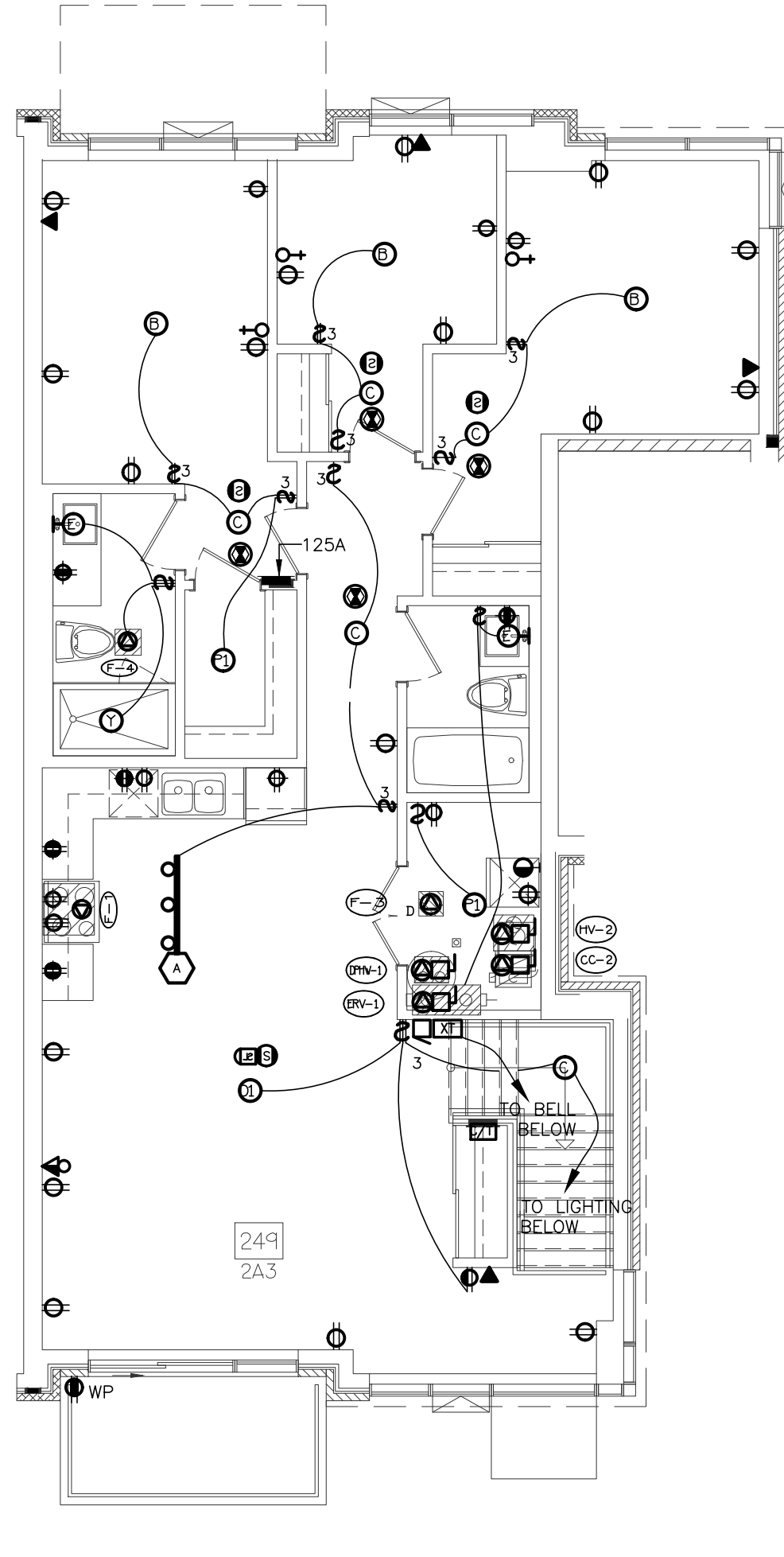
17 SUITE LAYOUT TYPE 2D1
LOWER LEVEL



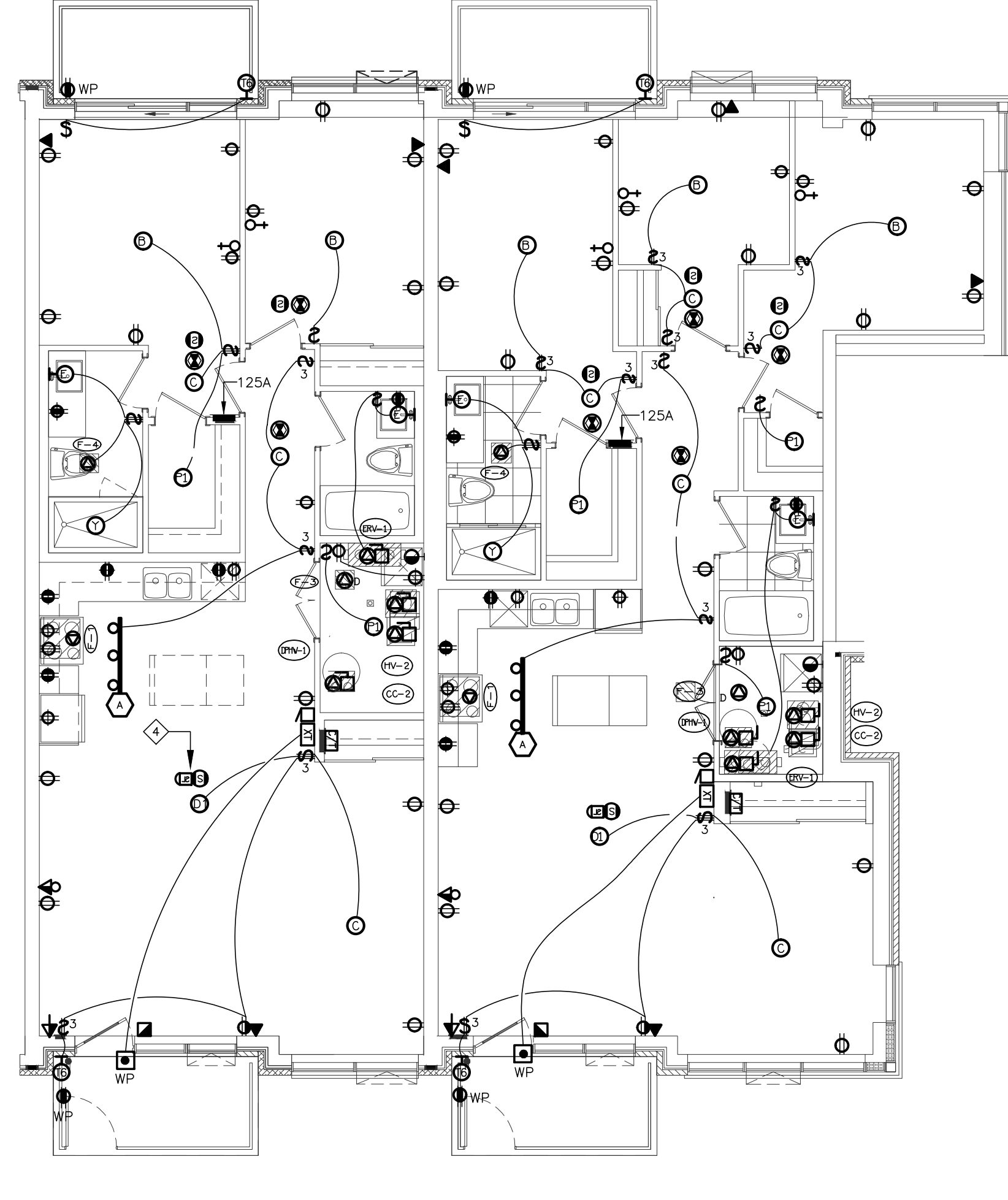
18 SUITE LAYOUT TYPE 2D1
UPPER LEVEL



19 SUITE LAYOUT TYPE 2A1 & 2A3
GROUND FLOOR



20 SUITE LAYOUT TYPE 2A3
SECOND FLOOR



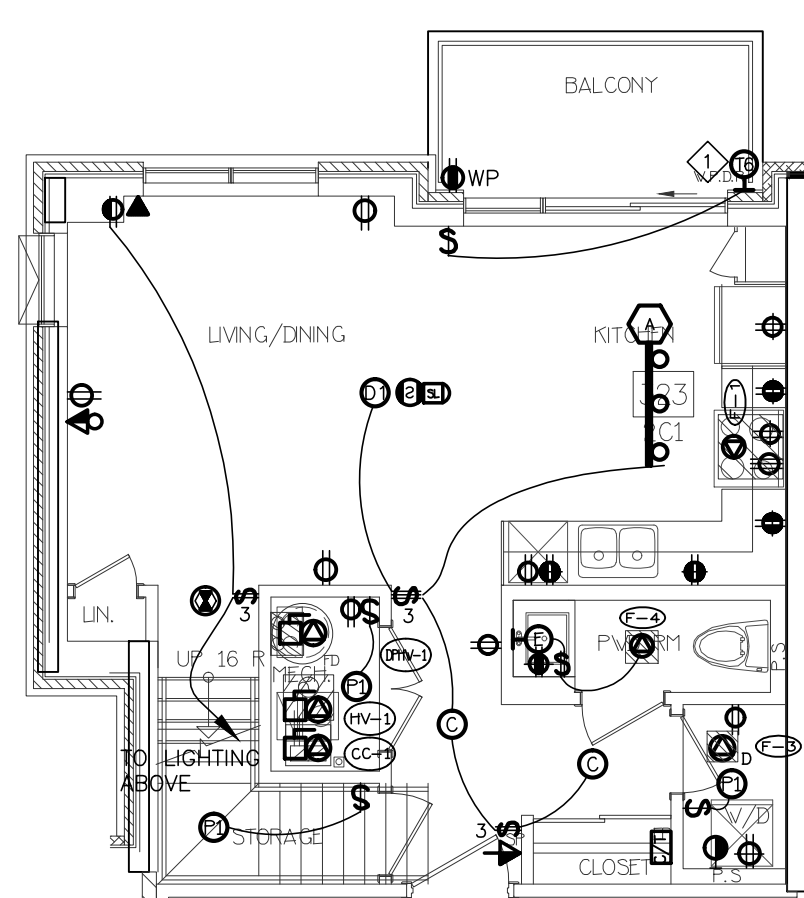
21 SUITE LAYOUT TYPE 2A1-R & 2A-R
GROUND FLOOR

KEY NOTES

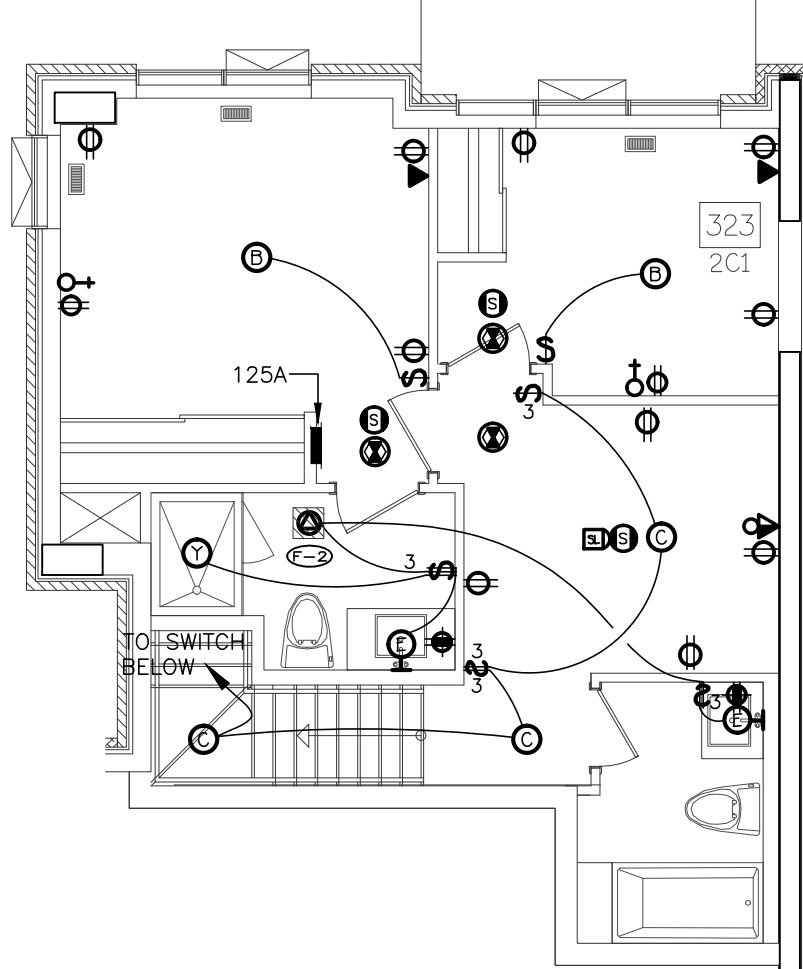
◇ PATIO EXTERIOR LIGHTING ONLY ON GROUND FLOOR

SUITES' KEY NOTES (TYPICAL)

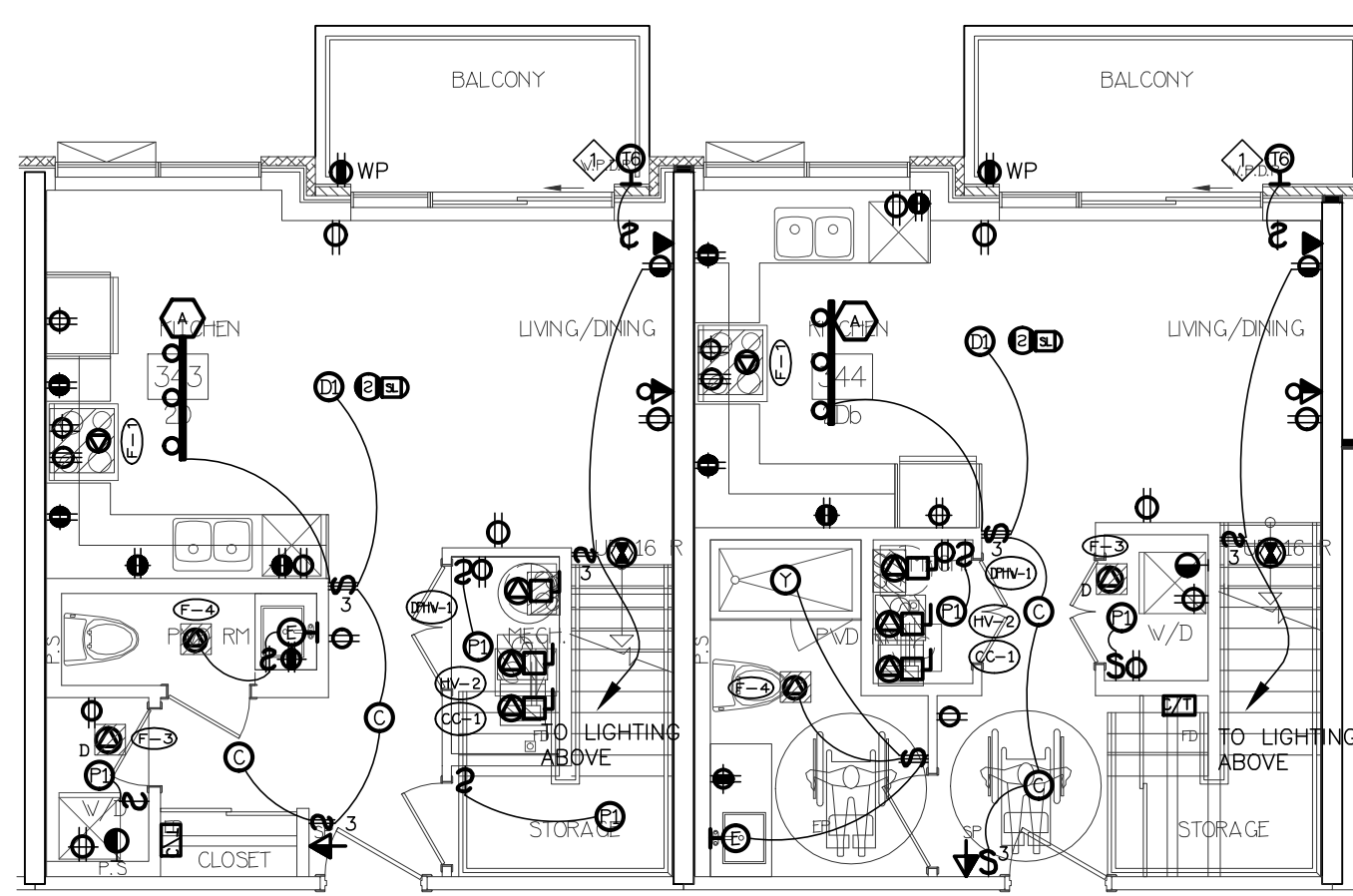
- NOT USED
 - SUITE INTRUSION ALARM AND KEYPAD WITH DIGITAL DISPLAY
 - IN SUITE TELEPHONE/TV COMBO DISTRIBUTION PANEL
 - CEILING MOUNTED FIRE ALARM COMBINATION SPEAKER/STROBE LIGHT
 - 120V U-GROUND DUPLEX RECEPTACLE FOR GENERAL PURPOSES
 - 120V U-GROUND DUPLEX RECEPTACLE WITH ONE HALF SWITCH CONTROLLED
 - WALL MOUNTED TELEPHONE OUTLET
 - 120V, 15A, RECEPTACLE FOR FRIDGE
 - 120V, 20A, T-SLOT RECEPTACLE MOUNTED ABOVE COUNTER TOP (ALL RECEPTACLES LOCATED WITHIN 1.5M 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, 1P, 4W, 50A, RECEPTACLE FOR RANGE. CONNECT WITH 3/4" BX OR 3/4" 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 CBC
- 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, 1P, 4W, 50A, RECEPTACLE FOR DRYER. CONNECT TO 3/4" BX OR 3/4" 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-24/25 & E-26/27. REFER TO MECHANICAL DRAWING FOR MORE DETAILS. CONFIRM EXACT FEEDER REQUIREMENT WITH UNIT SHOP DRAWING
 - DIRECT CONNECTION FOR CONDENSING COMB. 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 ARC-FULT INTERRUPTERS)



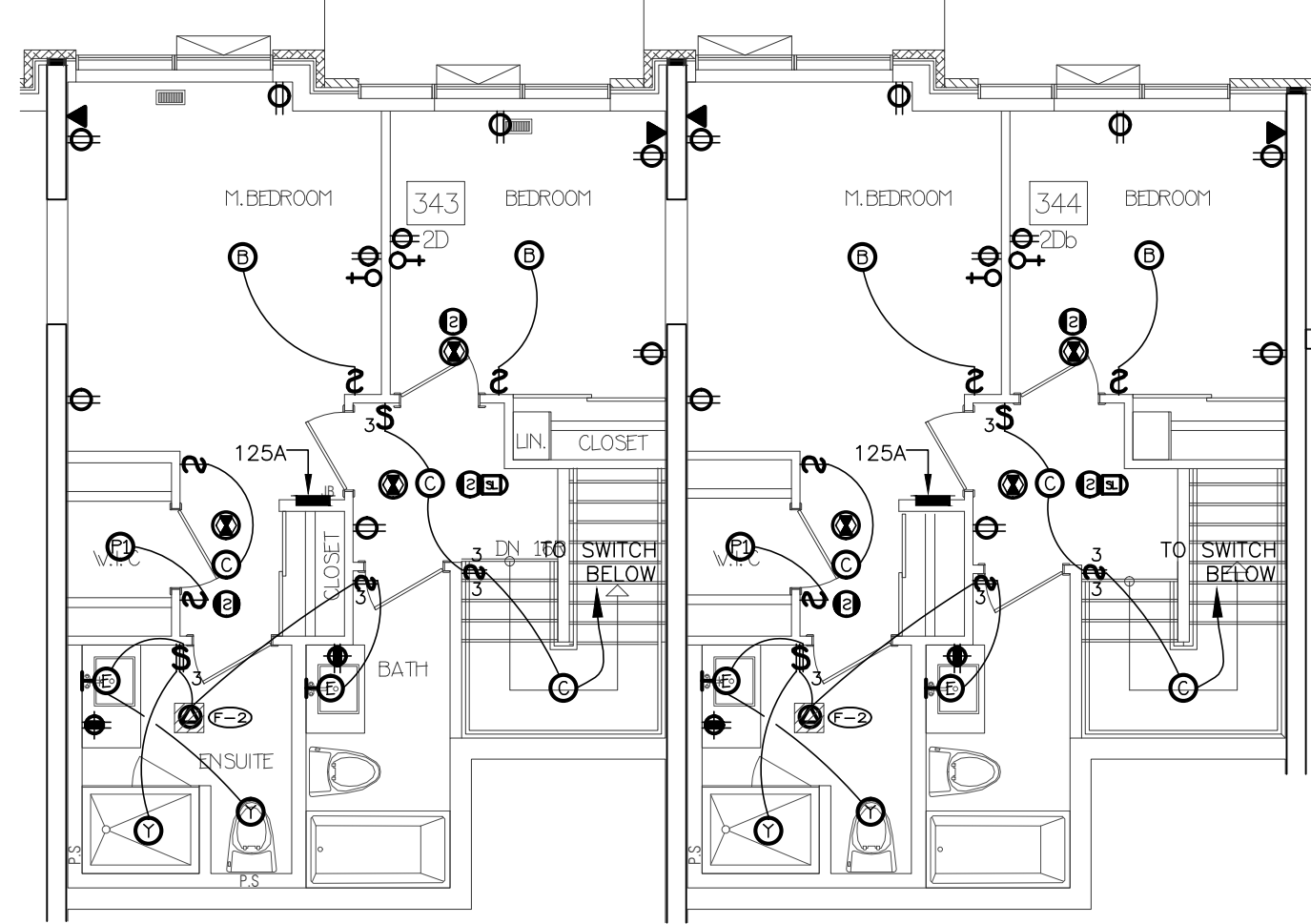
11 SUITE LAYOUT TYPE 2C1
LOWER LEVEL



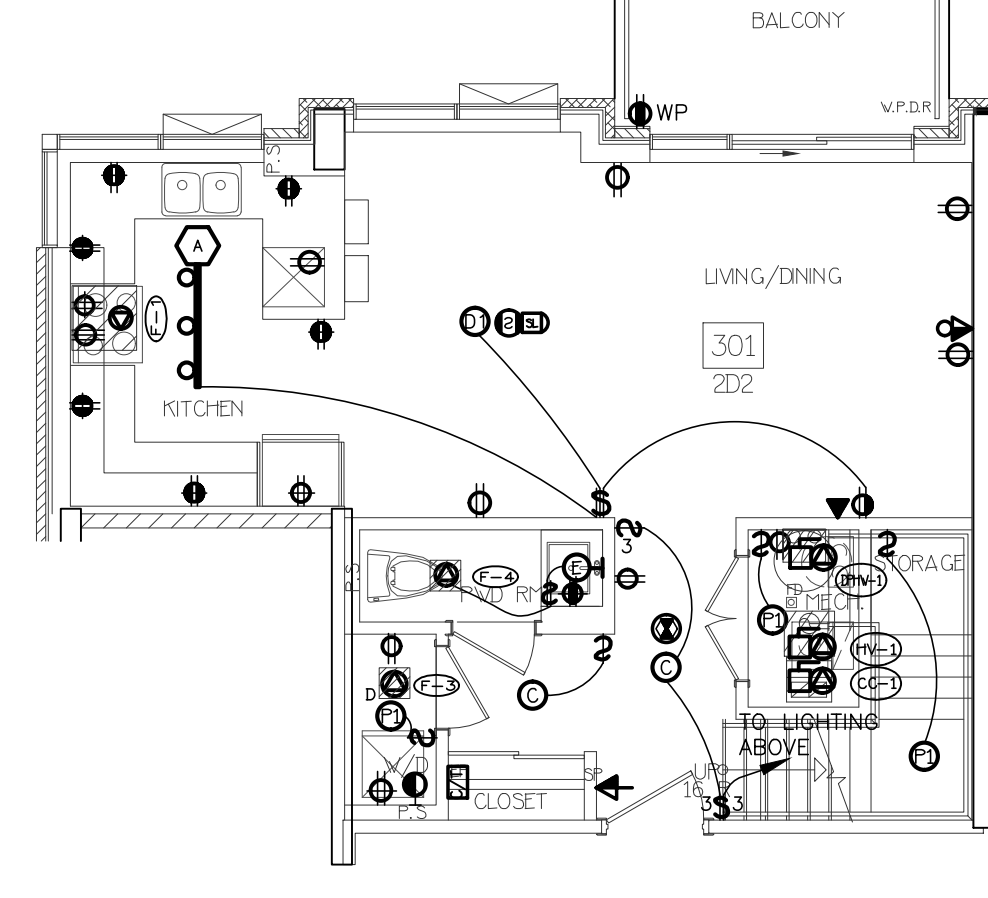
12 SUITE LAYOUT TYPE 2C1
UPPER LEVEL



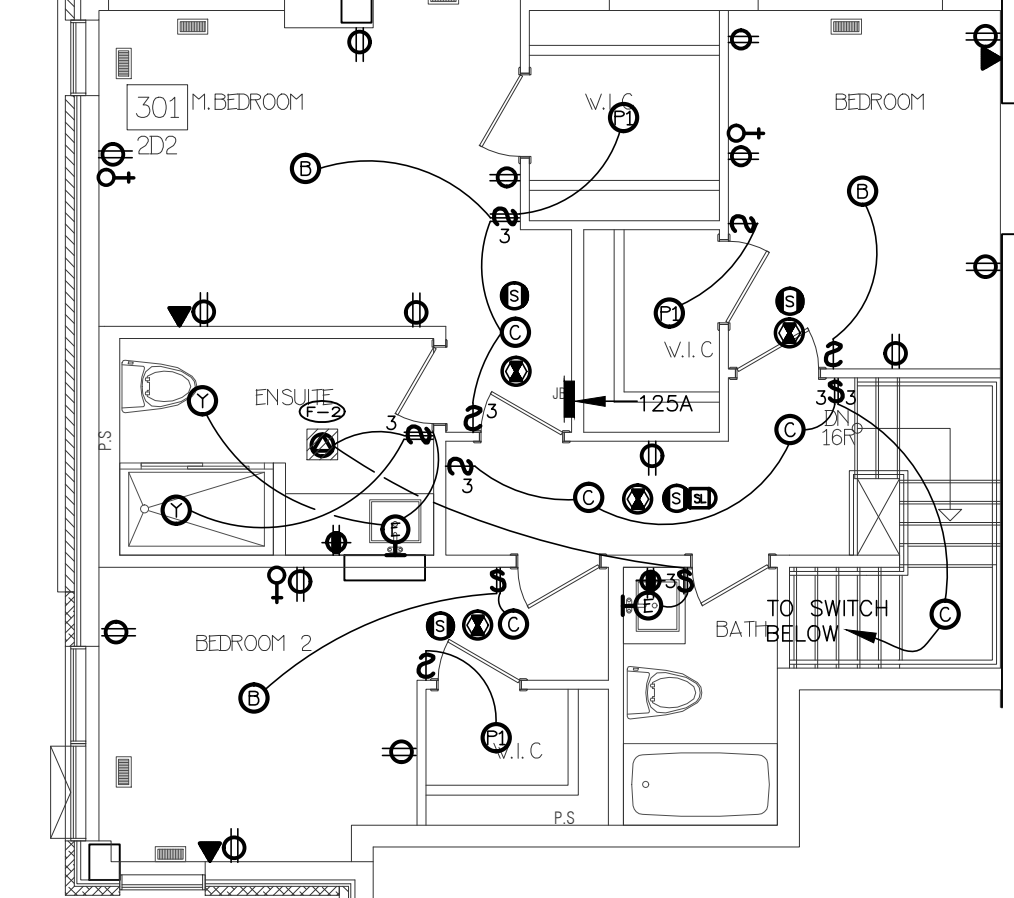
13 SUITE LAYOUT TYPE 2D & 2Db
LOWER LEVEL



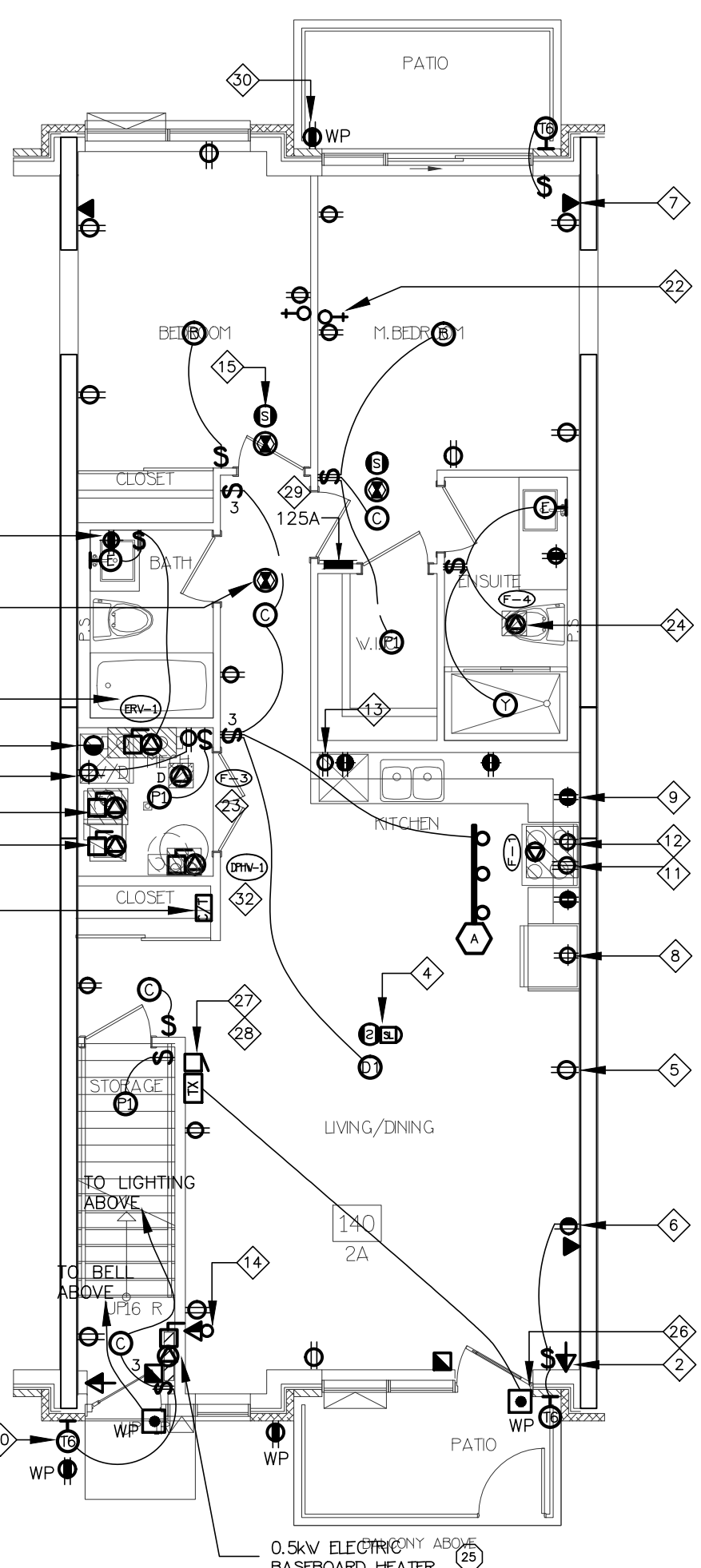
14 SUITE LAYOUT TYPE 2D & 2Db
UPPER LEVEL



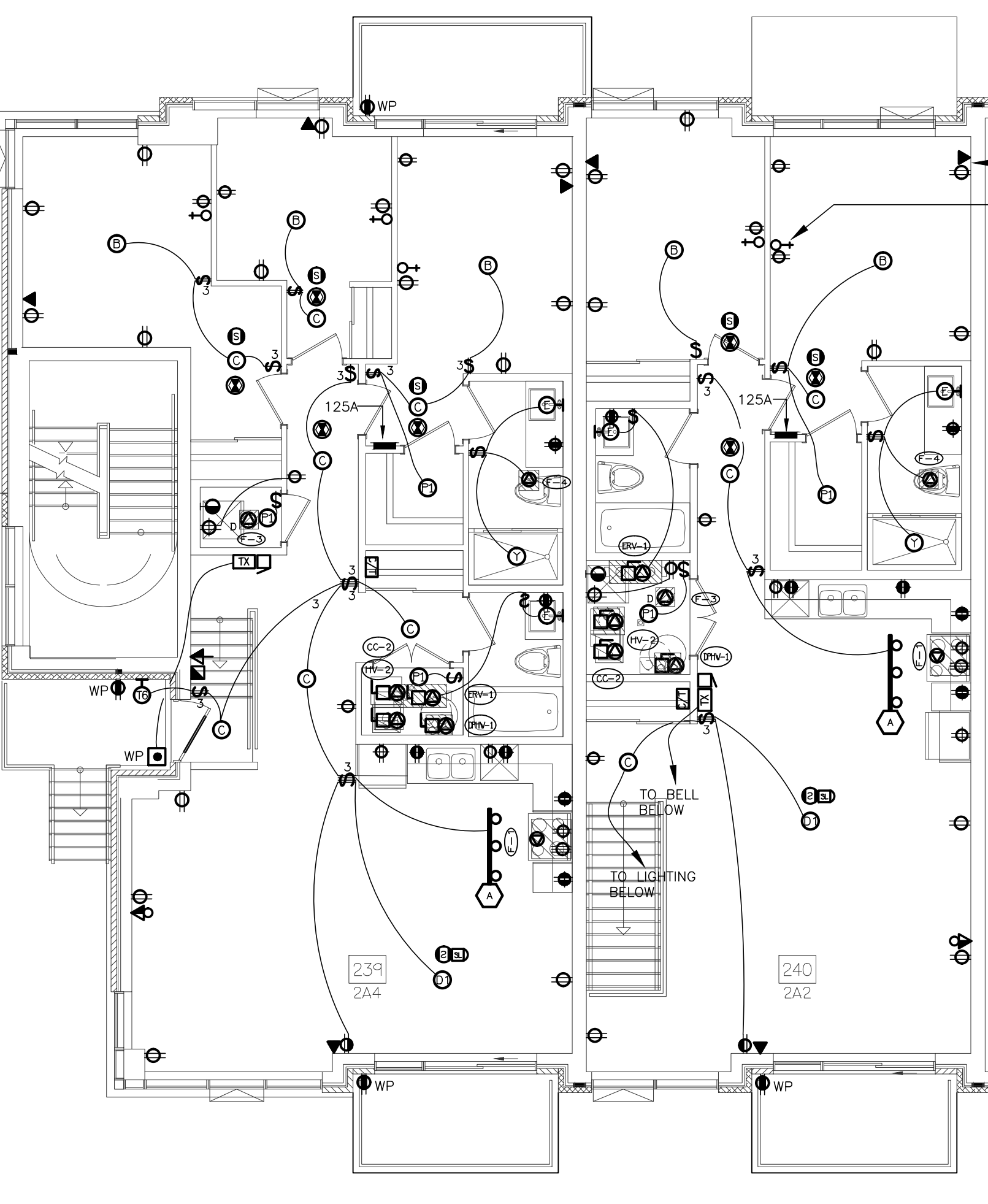
15 SUITE LAYOUT TYPE 2D2
LOWER LEVEL



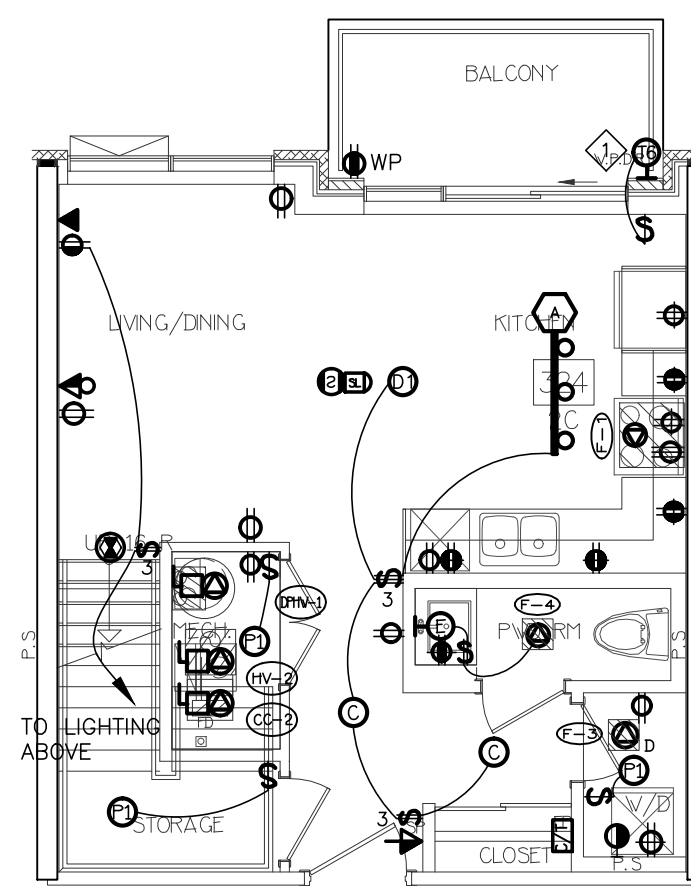
16 SUITE LAYOUT TYPE 2D2
UPPER LEVEL



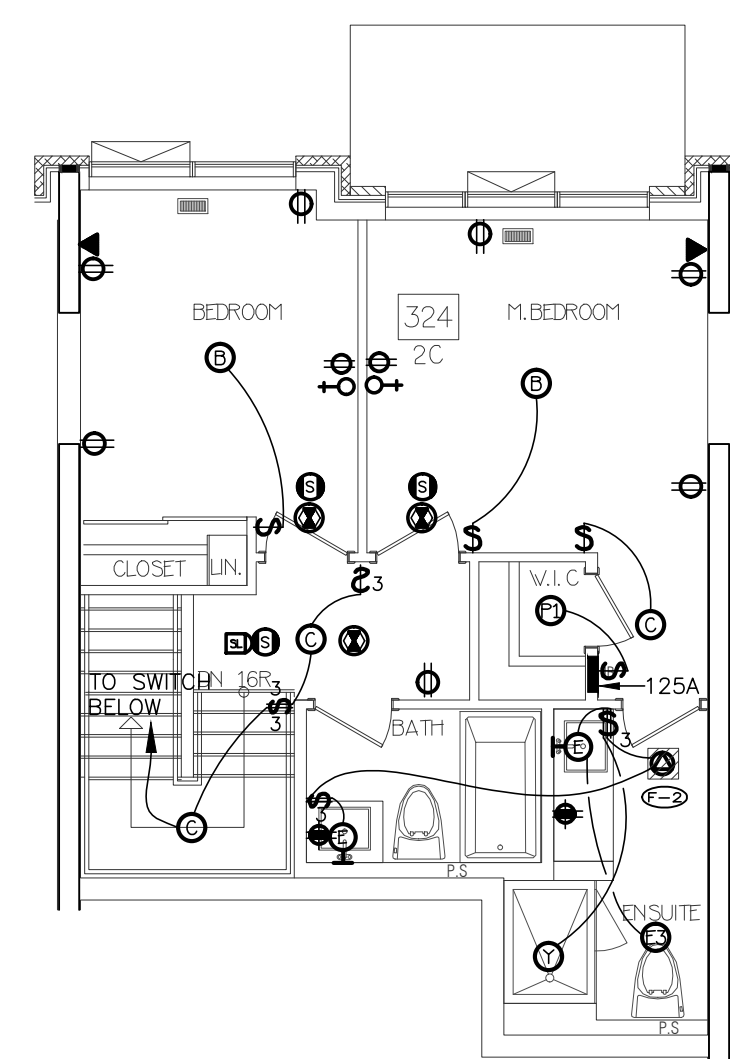
1 SUITE LAYOUT TYPE 2A & 2A2
GROUND FLOOR



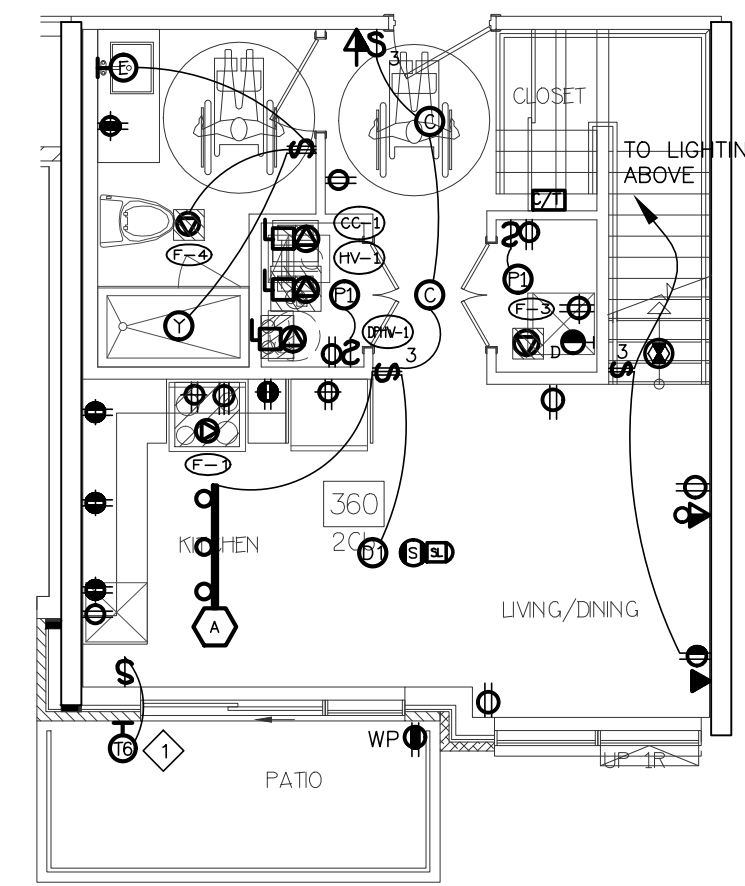
2 SUITE LAYOUT TYPE 2A4 & 2A2
SECOND FLOOR



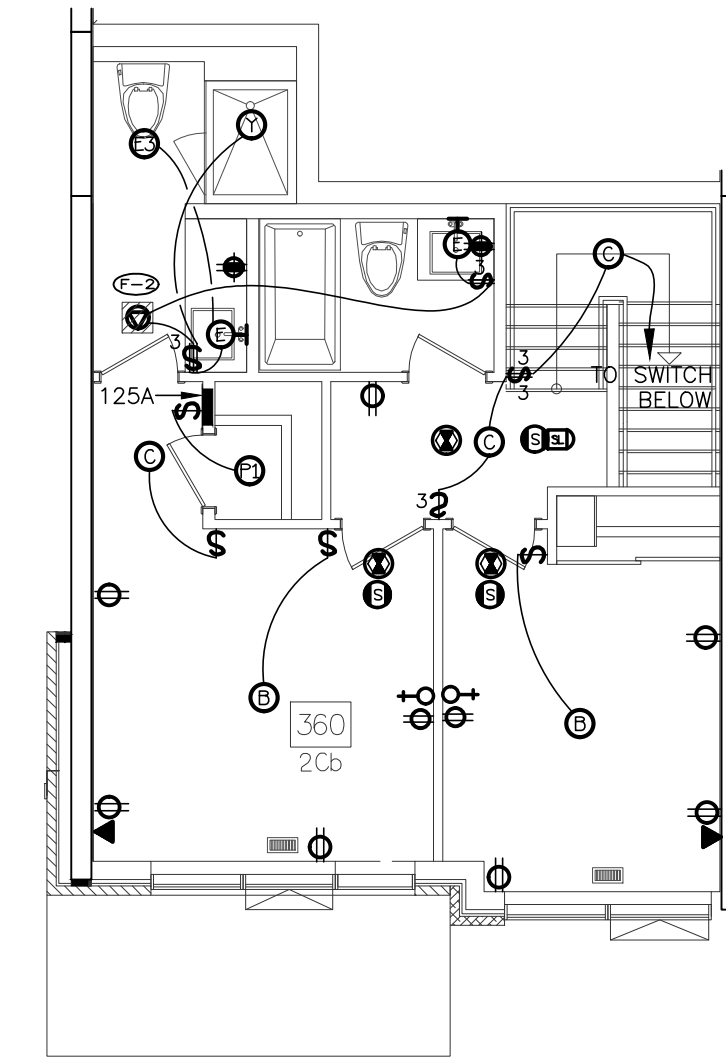
7 SUITE LAYOUT TYPE 2C & 2Ca
LOWER LEVEL



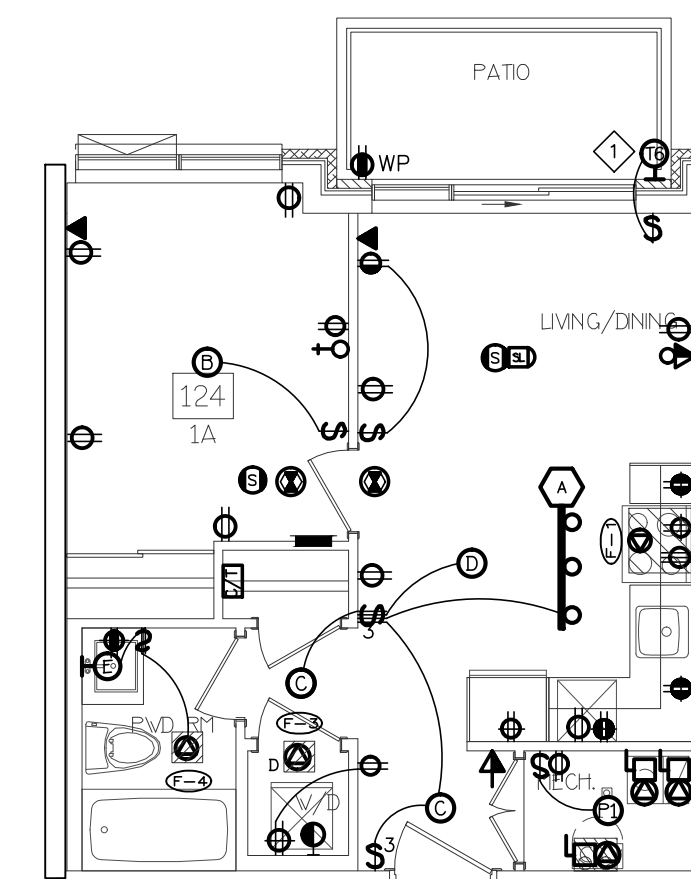
8 SUITE LAYOUT TYPE 2C & 2Ca
UPPER LEVEL



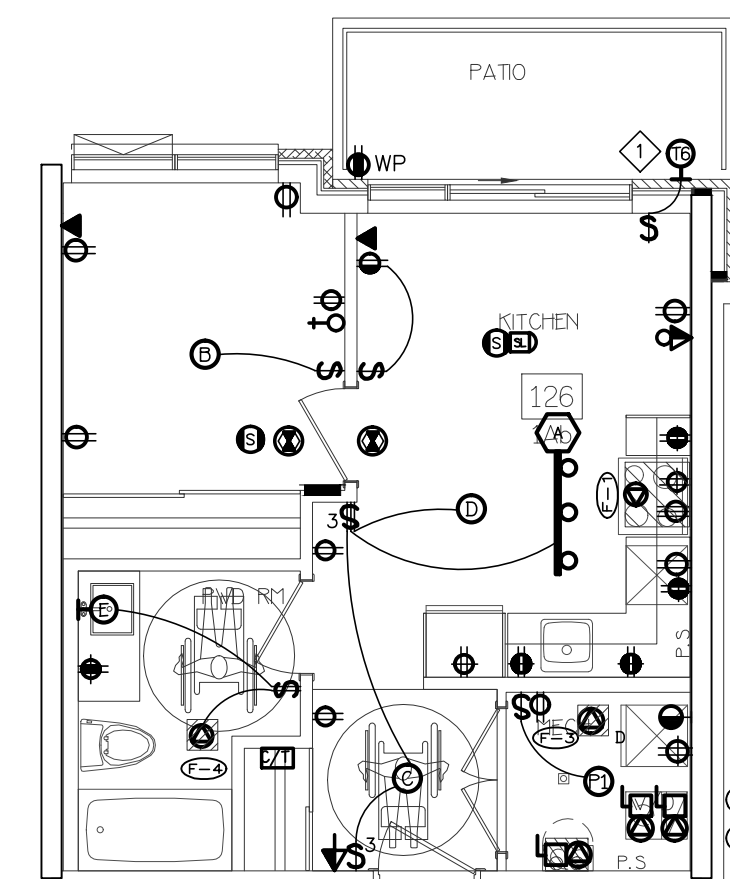
9 SUITE LAYOUT TYPE 2Cb
LOWER LEVEL



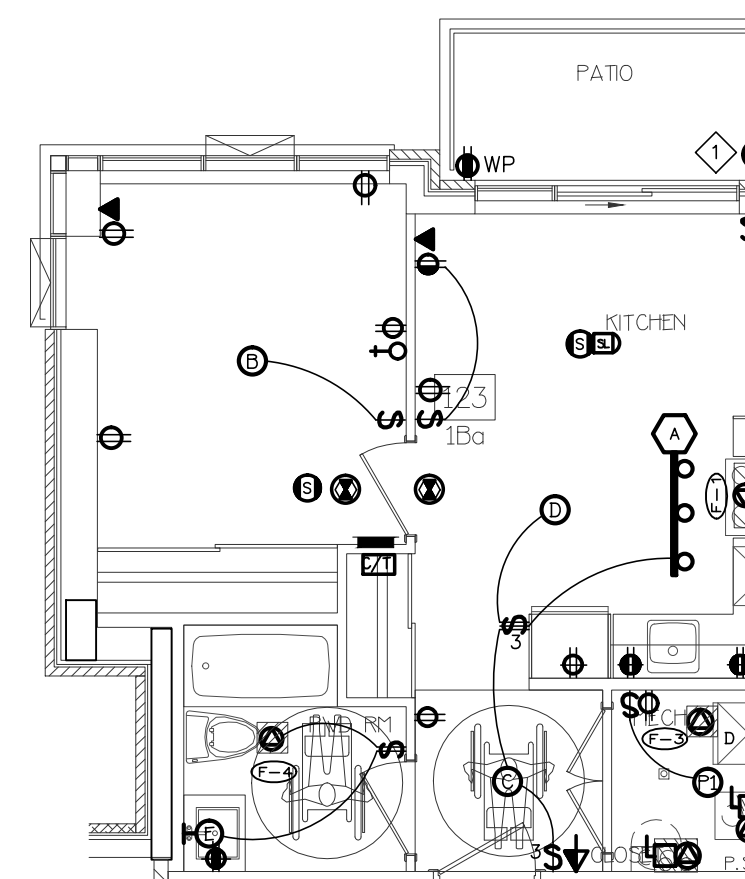
10 SUITE LAYOUT TYPE 2Cb
UPPER LEVEL



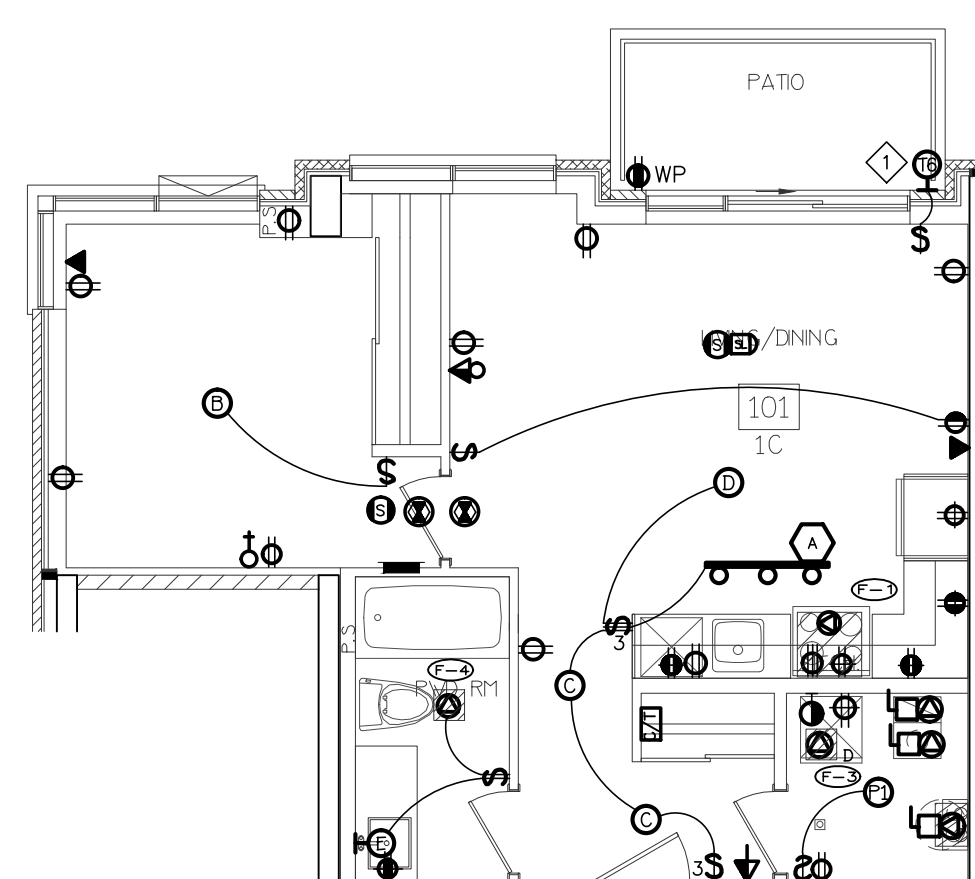
3 SUITE LAYOUT TYPE 1A & 1Aa
ONE FLOOR LEVEL



4 SUITE LAYOUT TYPE 1Ab
ONE FLOOR LEVEL



5 SUITE LAYOUT TYPE 1Ba
ONE FLOOR LEVEL

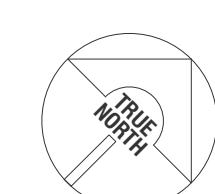


6 SUITE LAYOUT TYPE 1C
ONE FLOOR LEVEL

NO.	BY	DESCRIPTION	DATE
11	SP	ISSUED FOR I.F.C.	AUG. 05, 2022
10	SP	REVISED AS PER SL A10 REISSUED FOR PERMIT	OCT. 15, 2021
09	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION #2	JUN. 15, 2021
08	SP	ISSUED FOR SITE INSTRUCTION E-6	JUN. 04, 2021
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

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TITLE
**TYPICAL SUITE LAYOUT
ELECTRICAL**

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

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

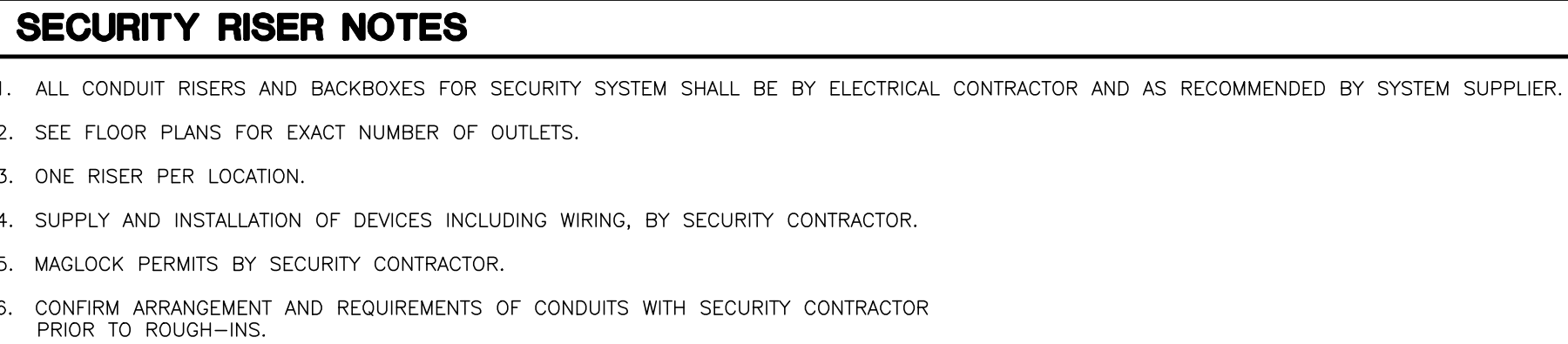
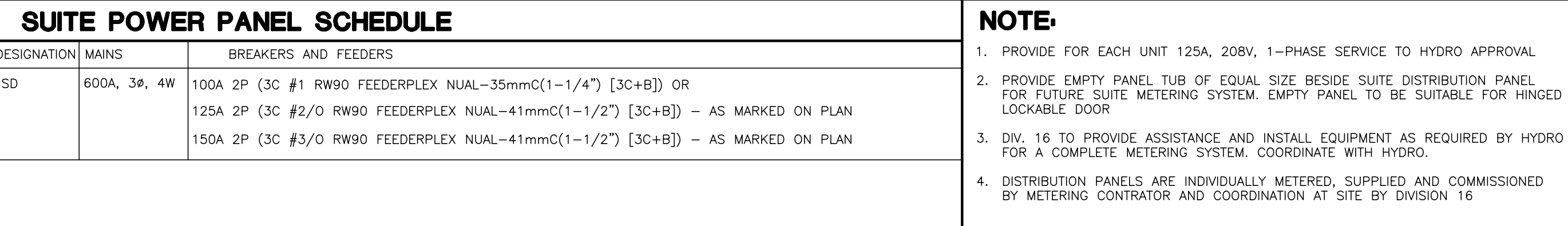
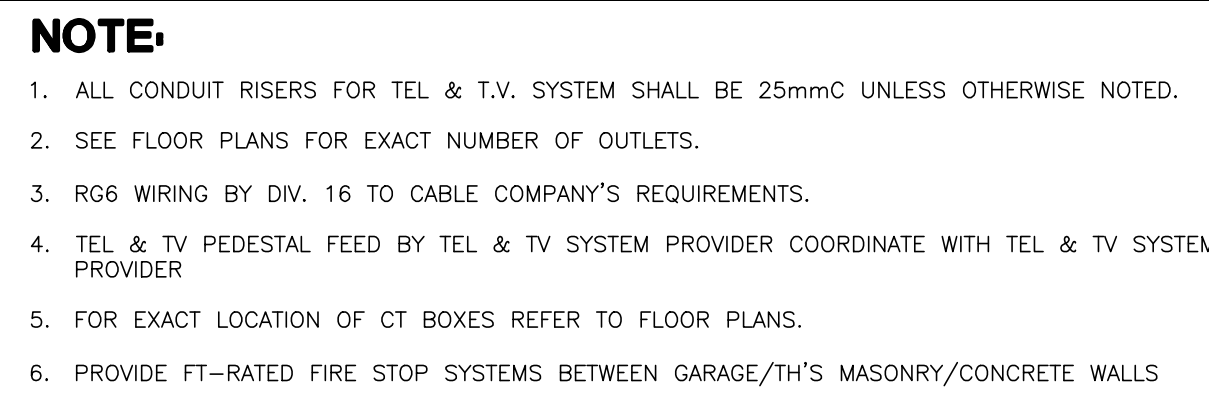
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REVISIONS	
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DRAWN SP	CHECKED MG	SCALE 1:75
DATE MAY, 2019	PROJECT 18-017	DRAWING E-8A OF 16



1. ALL METERING EQUIPMENT (TRANSFORMERS, METER PANEL BASES, CT'S, TEST BLOCKS, AND CABINETS) ARE TO BE SUPPLIED BY THE METERING CONTRACTOR. REQUIREMENTS (FUSED DISCONNECTS, SPLITTER, DISCONNECT SWITCHED, AND DATA CABLEING TO BE SUPPLIED BY ELECTRICAL CONTRACTOR.
2. DIVISION 16 TO INSTALL METERING SYSTEM AND COMPONENTS.
3. ALLOW FOR COORDINATION WITH METERING PROVIDER PRIOR TO ROUTING-IN OF METERING SYSTEM.
4. DIV. 16 TO PROVIDE SUITE DISTRIBUTION PANELS C/W WIRING AND ALLOW FOR INSTALLATION OF ASSOCIATED METERING EQUIPMENT (SEE NOTE #1) PROVIDED BY OTHERS
5. ALL CONDUTS 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 THE TIME OF SUITE FLEET 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 30" x 48" 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 MEETING 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 METERING LOCATION. METERING WIRE IS SUPPLIED TO ELECTROGRAM BY PROVIDENT. METERING NETWORK SHALL FOLLOW FLOORING RISERS VERTICALLY FOR 10-15 FLOORS, AND THEN BE CAST-IN-PLACE 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)
5. SUBMIT FOR ULTRAVIOLET THERMAL IMAGING (THERMAL COMPONENT)
6. DATASHEET FOR UNDERGROUND-SITE WATER MAIN

12	SP	ISSUED FOR I.F.C.	AUG. 05, 2021
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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

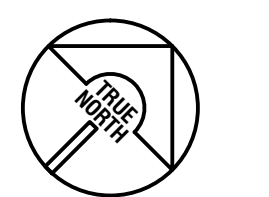
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TITLE	RISERS ELECTRICAL
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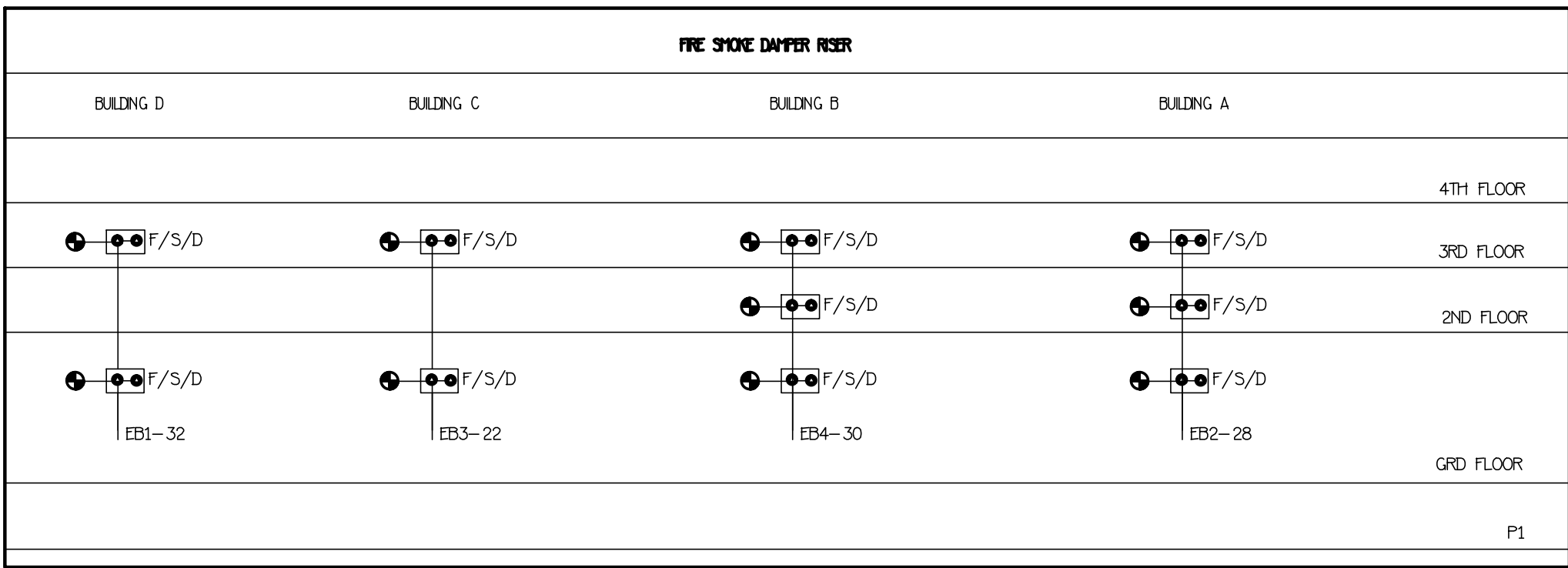
PROJECT

BRAMPTON STACKED
FORESTSIDE ESTATES

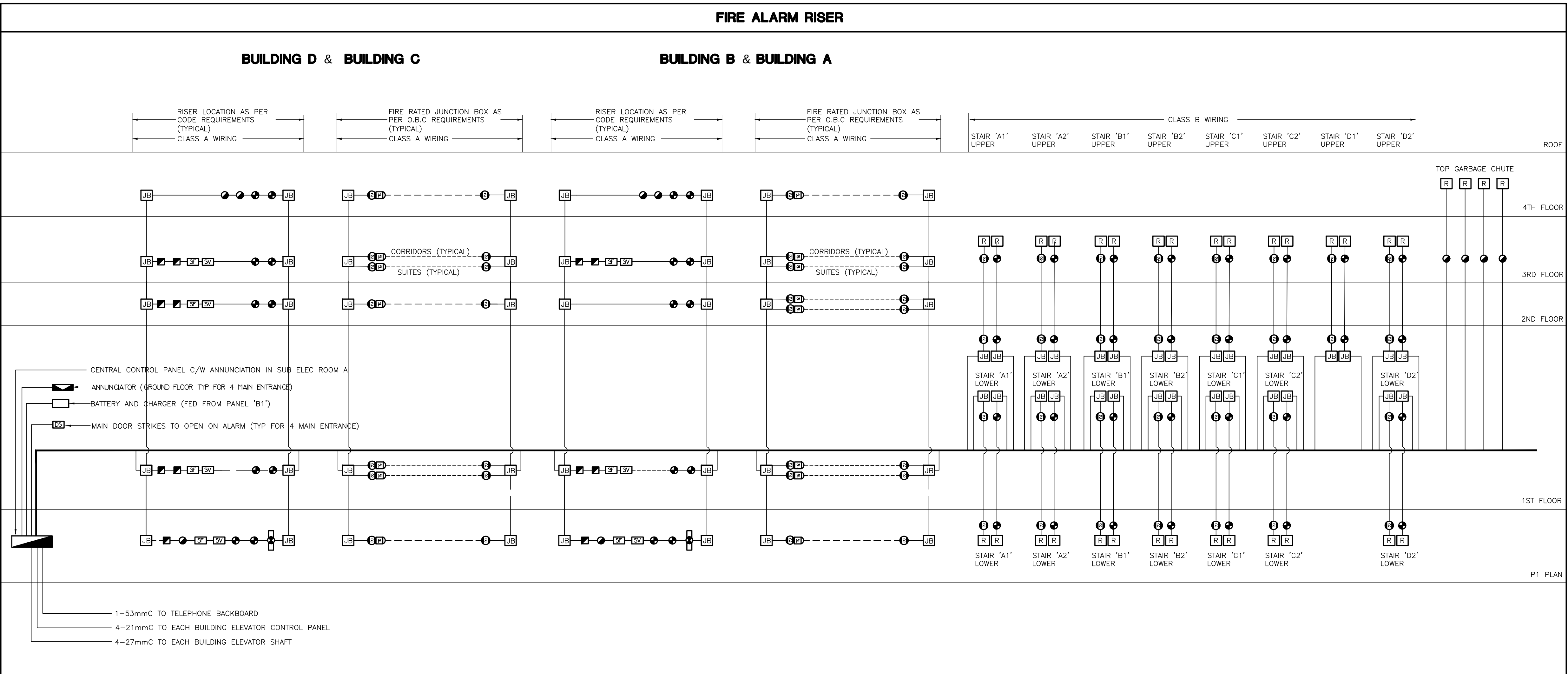
ATTMAR + PALLESCHI DRIVE
BRAMPTON, ONTARIO

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 A - P1
4	ELEVATOR LOBBY BUILDING B - P1
5	ELEVATOR LOBBY BUILDING C - P1
6	ELEVATOR LOBBY BUILDING D - 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 D)
24	ELEVATOR SHAFT (BUILDING D)
25-28	1ST FLOOR TO 4TH FLOOR (BUILDING C)
29	SPARE
30	ELEVATOR SHAFT (BUILDING C)
31-34	1ST FLOOR TO 4TH FLOOR (BUILDING B)
35	ELEVATOR SHAFT (BUILDING B)
36-39	1ST FLOOR TO 4TH FLOOR (BUILDING A)
40	ELEVATOR SHAFT (BUILDING A)
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 A)
72	FRESH AIR UNIT DUCT DETECTOR (BUILDING B)
73	FRESH AIR UNIT DUCT DETECTOR (BUILDING C)
74	FRESH AIR UNIT DUCT DETECTOR (BUILDING D)
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 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 RISER IN GARBAGE CHUTE FLOW ALARM (BUILDING A)
88	SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM (BUILDING B)
89	SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM (BUILDING C)
90	SPRINKLER RISER IN GARBAGE CHUTE FLOW ALARM (BUILDING D)
91	SPARE
92	SPARE
93	SPARE
	SPARE 25%



SMOKE DAMPER AND COMBINATION SMOKE AND FIRE DAMPER NOTES.	
1.	A SMOKE DETECTOR SHALL BE INSTALLED WITHIN 1.5M HORIZONTALLY TO EACH SMOKE DAMPER AND COMBINATION OF SMOKE AND FIRE DAMPER.
2.	THE SMOKE DAMPER AND COMBINATION SMOKE AND FIRE DAMPER SHALL BE AUTOMATICALLY CLOSED UPON A SIGNAL FROM AN ADJACENT SMOKE DETECTOR DESCRIBE IN ITEM 1.
3.	THE SMOKE DAMPER AND COMBINATION OF SMOKE AND FIRE DAMPER SHALL BE CONNECTED WITH AN EMERGENCY POWER SUPPLIES.



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 SPINKLER 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 CODE AND TSSA REQUIREMENTS.
10.	ADD CONTROL PANEL EXPANSION BOX AS PER MANUFACTURERS RECOMMENDATIONS AND SYSTEM REQUIREMENTS WITHIN BUILDING CAGT TO HAVE A COMPLETE AND FULLY FUNCTIONAL INTEGRATED FIRE ALARM SYSTEM.
11.	ALLOW FOR ALL COSTS ASSOCIATED WITH VERIFICATION AS REQUIRED.
12.	ELECTRICAL SUPERVISION
	ELECTRICAL SUPERVISION OF THE AUTOMATIC SPRINKLER SYSTEM IS REQUIRED TO INDICATE A SUPERVISORY SIGNAL ON THE FIRE ALARM ANNUNCIATOR/CONTROL PANEL FOR THE FOLLOWING:
	• MOVEMENT OF A VALVE HANDLE THAT CONTROLS THE SUPPLY OF WATER TO SPRINKLERS, AND
	• LOSS OF EXCESS WATER PRESSURE REQUIRED TO PREVENT FALSE ALARMS IN A WET SYSTEM,
	• LOSS OF AIR PRESSURE IN A DRY 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 CORRIDORS) 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.
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
<SV#1>	INLET DOUBLE CHECK VALVE ASSEMBLY ISOLATION	METER ROOM	<SV#8>	BUILDING '3' (BUILDING B) GARBAGE CHUTE SYSTEM ISOLATION	PARKING GARAGE
<SV#2>	OUTLET DOUBLE CHECK VALVE ASSEMBLY ISOLATION	METER ROOM	<SV#17>	BUILDING '3' (BUILDING B) SPRINKLER SYSTEM ISOLATION	BUILDING '3' (BUILDING B) 1ST FLOOR
<SV#3>	WET SYSTEM ISOLATION	METER ROOM	<SV#18>	ISOLATION FSP BUILDING 2 (BUILDING C)	PARKING GARAGE
<SV#4>	P-1 LEVEL WEST U/G GARAGE DRY SPRINKLERS	METER ROOM	<SV#19>	ISOLATION FSP BUILDING 2 (BUILDING C)	PARKING GARAGE
<SV#5>	P-1 LEVEL WEST U/G GARAGE DRY SPRINKLERS	METER ROOM	<SV#20>	ISOLATION FSP BUILDING 2 (BUILDING C)	PARKING GARAGE
<SV#6>	ISOLATION FSP BUILDING 4 (BUILDING A)	PARKING GARAGE	<SV#21>	ISOLATION FSP PARKING GARAGE	PARKING GARAGE
<SV#7>	ISOLATION FSP BUILDING 4 (BUILDING A)	PARKING GARAGE	<SV#22>	BUILDING '2' (BUILDING C) GARBAGE CHUTE SYSTEM ISOLATION	PARKING GARAGE
<SV#8>	ISOLATION FSP BUILDING 4 (BUILDING A)	PARKING GARAGE	<SV#23>	BUILDING '2' (BUILDING C) SPRINKLER SYSTEM ISOLATION	BUILDING '2' (BUILDING C) 1ST FLOOR
<SV#9>	ISOLATION FSP PARKING GARAGE	PARKING GARAGE	<SV#24>	ISOLATION FSP BUILDING 1 (BUILDING D)	PARKING GARAGE
<SV#10>	BUILDING '4' (BUILDING A) GARBAGE CHUTE SYSTEM ISOLATION	PARKING GARAGE	<SV#25>	ISOLATION FSP BUILDING 1 (BUILDING D)	PARKING GARAGE
<SV#11>	BUILDING '4' (BUILDING A) SPRINKLER SYSTEM ISOLATION	BUILDING '4' 1ST FLOOR	<SV#26>	ISOLATION FSP BUILDING 1 (BUILDING D)	PARKING GARAGE
<SV#12>	ISOLATION FSP BUILDING 3 (BUILDING B)	PARKING GARAGE	<SV#27>	ISOLATION FSP PARKING GARAGE	PARKING GARAGE
<SV#13>	ISOLATION FSP BUILDING 3 (BUILDING B)	PARKING GARAGE	<SV#28>	BUILDING '1' (BUILDING D) GARBAGE CHUTE SYSTEM ISOLATION	PARKING GARAGE
<SV#14>	ISOLATION FSP BUILDING 3 (BUILDING B)	PARKING GARAGE	<SV#29>	BUILDING '1' (BUILDING D) SPRINKLER SYSTEM ISOLATION	BUILDING '1' (BUILDING D) 1ST FLOOR
<SV#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					

NO.	BY	DESCRIPTION	DATE
11	SP	ISSUED FOR I.F.C.	AUG. 05, 2022
10	SP	REVISED AS PER SL A10 REISSUED FOR PERMIT	OCT. 15, 2021
09	SP	ISSUED FOR PROGRESSIVE CONSTRUCTION #2	JUN. 15, 2021
08	SP	ISSUED FOR SI E-3	MAY. 03, 2021
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

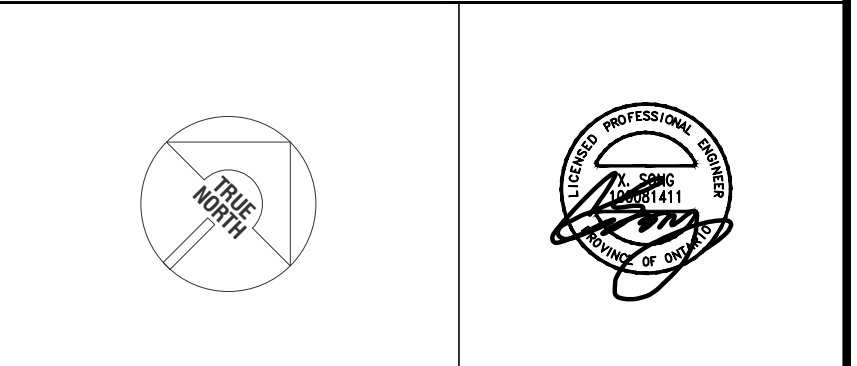
REVISIONS	
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 Tel: (416) 398 1995, Fax: (416) 398 1933

TITLE	FIRE ALARM SYSTEM ELECTRICAL
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PROJECT	BRAMPTON STACKED FORESTSIDE ESTATES
ATTN	ATTMAR + PALLESCHI DRIVE BRAMPTON, ONTARIO

DRAWN	SP	CHECKED	MG	SCALE	NTS
DATE	MAY, 2019	PROJECT	18-017	DRAWING	E-11
				OF	16

PANEL IDENTIF: G	SERVICE: MAIN CTT, BRK: 600V/347V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION:
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	27 28 15A	SPACE
	29 30	
	31 32	
	33 34	
	35 36	
	37 38	
	39 40	
	41 42	

PANEL IDENTIF: EG	SERVICE: MAIN CTT, BRK: 600V/347V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION:
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	25 26	SPACE
	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 MANS: 125 AMPS RECESSED MOUNTING:	NOTES: LOCATION: STACKED HOUSE
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LTO & SHOCK/CO ALARM	3000 15A 1 1 2 20A+ 1000	KITCHEN GFI T-SLOT RECEPTACLE
LIGHTING	3000 15A 3 1 4 20A 1000	KITCHEN T-SLOT RECEPTACLE
LIGHTING	3000 15A 5 1 6 20A+ 1000	KITCHEN T-SLOT RECEPTACLE
LIGHTING	3000 15A 7 1 8 15A 1000	DISHWASHER
ARC FAULT RECEPTACLES	3000 15A 9 1 10 50A	
ARC FAULT RECEPTACLES	3000 15A 11 1 12 2P	* RANGE (3 #)
ARC FAULT RECEPTACLES	3000 15A 13 1 14 15A 1000	FUDGE
GFI RECEPTACLE	3000 15A 15 1 16 30A	DRYER
GFI RECEPTACLE	3000 15A 17 1 18 2P	
WOD/REOVAC COMPARE	3000 15A 19 1 20 15A 1000	WASHER
UNIT DRYER FAN	500 15A 21 1 22 15A 1000	DISHWASHER
EXTERIOR RECEPTACLE ON AS REQ'D	500 15A 23 1 24 15A	MICROWAVE
BRV	15A 25 1 26 15A	** CENTRAL VACUUM RECEPTACLE
HVY	15A 27 1 28 30A	
CONDENSING COMP BOLLER	15A 29 1 30 2P	** WHIRLPOOL (GFI)
SPLIT RECEPTACLE	15A 31 1 32	
EBB	2P 33 1 34 2P	** CONDENSING UNIT / COOLING COIL
SPARE	15A 35 1 36	
SPARE	15A 37 1 38	
SPARE	15A 39 1 40 20A	** CONDENSING UNIT / COOLING COIL
SPARE	15A 41 1 42	

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 CIRCUBREAKER-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: B1	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 400 AMPS SURFACE MOUNTING:	NOTES: 60 CIRCUITS LOCATION:
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 – GARBAGE RM (P1)	15A 9 1 10 15A	RECEPTACLES – ROOF LEVEL
REC – LOCKER (P1)	20A 11 1 12 15A	RECEPTACLES – ROOF LEVEL
REC – STAR A & B (P1)	15A 13 1 14 15A	LIGHTING–JANITOR ROOM
REC – GARBAGE RM (P1)	15A 15 1 16 100A	SPARE
REC – LOCKER (P1)	15A 17 1 18 2P	
REC – LOCKER & LOBBY (P1)	15A 19 1 20 30A	4.8 KW ELECTRIC FORCE HEATER 7-3"
REC – SERVICE ROOM (P1)	15A 21 1 22 2P	
TRISORTOR CONTROL PANEL	20A 23 1 24 30A	4.8 KW ELECTRIC FORCE HEATER 7-3"
BATTERY UNIT	15A 25 1 26 30A	SPARE
H-1 12KW ELECTRIC HEATER	80A 27 1 28 2P	
	2P 29 1 30	
	31 32	
	33 34	
	35 36	
	37 38	
	39 40	
	41 42	

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

PANEL IDENTIF: B3	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 400 AMPS SURFACE MOUNTING:	NOTES: 60 CIRCUITS LOCATION:
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LIGHTING – LOCKER RM (P1)	15A 1 1 2 15A	RECEPTACLES – STAR C (P1–3RD)
LIGHTING – GARBAGE 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 – GARBAGE RM (P1)	15A 7 1 8 15A	RECEPTACLES – CORRIDOR (GRD–3RD)
REC – LOBBY (P1)	15A 9 1 10 15A	RECEPTACLES – ROOF LEVEL
LIGHTING – 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 2P	
TRISORTOR CONTROL PANEL	20A 17 1 18 30A	4.8 KW ELECTRIC FORCE HEATER 7-3"
H-1 12KW ELECTRIC HEATER	80A 19 1 20 2P	
	2P 21 1 22 30A	4.8 KW ELECTRIC FORCE HEATER 7-3"
	23 24 2P	
	25 26 30A	5KW ELECTRIC FORCE HEATER
	27 28 2P	
	29 30 15A	SMART BOX FOR DELIVERIES
	31 32 15A	SPARE
	33 34 15A	LIGHTING – LOCKER RM (3RD)
	35 36 15A	SPARE
	37 38 15A	
	39 40 15A	
	41 42 15A	

PANEL IDENTIF: B4	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 400 AMPS SURFACE MOUNTING:	NOTES: 60 CIRCUITS LOCATION:
LOAD DESCRIPTION	WATTS BRK CIRCUITS	LOAD DESCRIPTION
LIGHTING – GARBAGE 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	20A 13 1 14 100A	SPARE
H-1 12KW ELECTRIC HEATER	80A 15 1 16 2P	
	2P 17 1 18 30A	4.8 KW ELECTRIC FORCE HEATER 7-3"
	19 20 2P	
	21 22 30A	4.8 KW ELECTRIC FORCE HEATER 7-3"
	23 24 2P	
	25 26 30A	SPARE
	27 28 2P	
	29 30 15A	SMART BOX FOR DELIVERIES
	31 32 15A	RECEPTACLES – CORRIDOR (GRD–3RD)
	33 34 15A	RECEPTACLES – CORRIDOR (GRD–3RD)
	35 36 15A	LIGHTING – LOCKER (3RD)
	37 38 15A	SPARE
	39 40 15A	
	41 42 15A	

PANEL IDENTIF: EB1	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION:
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 – GARBAGE 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 – CORRIDOR (GRD)
GENERATOR BATTERY CHARGE	15A 17 1 18 15A	LIGHTING – TOP OF ELEVATOR SHAFT
GENERATOR BLOCK HEATER	20A 19 1 20 15A	REC – TOP OF ELEVATOR SHAFT
	2P 21 1 22 15A	AUTO DOOR OPENERS
AUTO DOOR OPENERS	15A 23 1 24 15A	AUTO DOOR OPENERS
AUTO DOOR OPENERS	15A 25 1 26 15A	LIGHTING – GRD FLOOR CORRIDOR
ENTERPHONE	15A 27 1 28 15A	LIGHTING – GRD FLOOR CORRIDOR
LIGHTING – GARBAGE CHUTE	15A 29 1 30 15A	AUTO DOOR OPENERS
SPARE	15A 31 1 32 15A	M/D FROM AIR SHFT TO CORRIDOR
	33 34 15A	SPARE
	35 36 15A	
	37 38 15A	
	39 40 15A	
	41 42 15A	

PANEL IDENTIF: EB2	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION:
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 C (GRD–3RD)
LOG – GARBAGE 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)
SPARE	15A 15 1 16 15A	LIGHTING – CORRIDOR (GRD)
AUTO DOOR OPENERS	15A 17 1 18 15A	LIGHTING – TOP OF ELEVATOR SHFT
AUTO DOOR OPENERS	15A 19 1 20 15A	REC – TOP OF ELEVATOR SHFT
ENTERPHONE	15A 21 1 22 15A	LIGHTING – 2ND FLOOR CORRIDOR
LIGHTING – GARBAGE CHUTE	15A 23 1 24 15A	LIGHTING – 2ND FLOOR CORRIDOR
LIGHTING – LOCKER (2ND–3RD)	15A 25 1 26 15A	SPARE
SPARE	15A 27 1 28 15A	M/D FROM AIR SHFT TO CORRIDOR
	29 30 15A	SPARE
	31 32 15A	
	33 34 15A	
	35 36 15A	
	37 38 15A	
	39 40 15A	
	41 42 15A	

PANEL IDENTIF: EB3	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION:
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 – GARBAGE 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)
AUTO DOOR OPENERS	15A 17 1 18 15A	LIGHTING – TOP OF ELEVATOR SHFT
ENTERPHONE	15A 19 1 20 15A	REC – TOP OF ELEVATOR SHFT
LIGHTING – GARBAGE CHUTE	15A 21 1 22 15A	M/D FROM AIR SHFT TO CORRIDOR
AUTO DOOR OPENERS	15A 23 1 24 15A	SPARE
SPARE	15A 25 1 26 15A	
	27 28 15A	
	29 30 15A	
	31 32 15A	
	33 34 15A	SPACE
	35 36	
	37 38	
	39 40	
	41 42	

PANEL IDENTIF: EB4	SERVICE: MAIN CTT, BRK: 208Y/120V, 3ø, 4W MANS: 225 AMPS SURFACE MOUNTING:	NOTES: *** LOCK ON BREAKER LOCATION:
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 – GARBAGE 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 SHFT
LIGHTING – GARBAGE CHUTE	15A 19 1 20 15A	REC – TOP OF ELEVATOR SHFT
LOG – PUBLIC RM (2ND)	15A 21 1 22 15A	LIGHTING – CORRIDOR (2ND)
SPARE	15A 23 1 24 15A	LIGHTING – CORRIDOR (2ND)
	25 26 15A	LIGHTING – CORRIDOR (GRD)
	27 28 15A	LIGHTING – CORRIDOR (GRD)
	29 30 15A	M/D FROM AIR SHFT TO CORRIDOR
	31 32 15A	SPARE
	33 34 15A	
	35 36 15A	
	37 38 15A	
	39 40 15A	
	41 42 15A	

PANEL IDENT: M1	SERVICE: 208Y/120V, 3ø, 4W		NOTES: 72 CIRCUITS			
	MAIN CTT: BRK: MANS: 400 AMPS SURFACE MOUNTING:		LOCATION:			
LOAD DESCRIPTION	WATTS	BRK	CIRCUITS	BRK	WATTS	LOAD DESCRIPTION
SPARE	15A	1	1	2	25A	SPLITTER SYSTEM CONDENSING UNIT (P1)
EX. FAN F-8 (MECH RM-P1)	15A	3	1	4	2P	
EX. FAN F-10 (GARBAGE RM-P1)	15A	5	1	6	20A	SPLITTER SYSTEM CONDENSING UNIT (P1)
EX. FAN F-11 (MAIN TELE RM-P1)	15A	7	1	8	2P	
EX. FAN F-14 (B.W.H. RM-P1)	15A	9	1	10	20A	SPLITTER SYSTEM BLOWER & COIL (P1)
EX. FAN F-22 (MAIN ELEC RM-P1)	20A	11	1	12	2P	
EX. FAN F-4 (TELECOM RM-P1)	15A	13	1	14	15A	SPLITTER SYSTEM BLOWER & COIL (P1)
EX. FAN F-11(SUB ELEC RM A-P1)	20A	15	1	16	2P	
EX. FAN F-15 (MECH RM-P1)	15A	17	1	18	25A	SPLITTER SYSTEM CONDENSING UNIT (P1)
EX. FAN F-10(SUB ELEC RM B-P1)	20A	19	1	20	2P	
EX. FAN F-16 (GARBAGE RM-P1)	15A	21	1	22	20A	SPLITTER SYSTEM CONDENSING UNIT (P1)
EX. FAN F-9 (B.W.H. RM-P1)	15A	23	1	24	2P	
EX. FAN F-9 (STORAGE RM-2ND)	15A	25	1	26	15A	SPLITTER SYSTEM BLOWER & COIL (P1)
EX. FAN F-18 (LOCKER RM-P1)	15A	27	1	28	2P	
H-2 80K ELECTRIC HEATER	50A	29	1	30	20A	SPLITTER SYSTEM BLOWER & COIL (P1)
	50A	31	1	32	2P	
H-2 80K ELECTRIC HEATER	50A	33	1	34	25A	ELEVATOR PUMP PUMP
	50A	35	1	36	25A	ELEVATOR PUMP PUMP
EX. FAN F-9 (STORAGE RM-3RD FL)	15A	37	1	38	15A	IRRIGATION CONTROLLER
EX. FAN F-9 (STORAGE RM-3RD FL)	15A	39	1	40	15A	SPLITTER SYSTEM BLOWER & COIL (P1)
HWT-4 (WASH RM-3RD FL)	15A	41	1	42	2P	