

(NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT)

OCCUPANCY SENSOR SCHEDULE

EXACT MOUNTING LOCATIONS AND TIMER SETTINGS SHALL BE PER THE SENSOR MANUFACTURER'S DIRECTION. ELECTRICAL CONTRACTOR SHALL INCLUDE A SET-POINT SCHEDULE WITH SENSOR SUBMITTAL FOR ENGINEER'S REVIEW. INCLUDE COST IN ELECTRICAL CONTRACT TO PERFORM ADJUSTMENTS OF ALL SENSOR SET-POINTS AT PROJECT COMPLETION AND RESUBMIT THE REVISED SET-POINT SCHEDULE FOR RECORD PURPOSES. MOUNTING TYPE TO BE COORDINATED WITH ARCHITECT.

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G GROUND

DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORKS. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS MAINTAIN HEADROOM AND SPACE CONDITIONS.

SECURE ALL SUPPORTS TO BUILDING STRUCTURE UTILIZING TOGGLE BOLTS (HOLLOW MASONRY). EXPANSION SHIELDS OR INSERTS (CONCRETE AND BRICK), MACHINE SCREWS (METAL), BEAM CLAMPS (FRAMEWORK), WOOD SCREWS (WOOD) OR PAN THRU STRAPS (METAL DECK). NAILS, RAWL PLUGS AND WOOD PLUGS ARE NOT PERMITTED. WHERE REQUIRED BY STRUCTURE, PROVIDE THRU BOLTS AND FISH PLATES. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FT APART. SUPPORT RACEWAY RISERS AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.

PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES OR APPLIANCES (EXCEPT PIPE CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1 INCH FROM PIPE COVERS)

CUT CONDUIT ENDS SQUARE. REAM SMOOTH. PAINT MALE THREAD OR FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUNT. DRAW UP TIGHT WITH RACEWAY COUPLING.

HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS ARE NOT PERMITTED. DO NOT RUN CONDUIT IN PRECAST ROOF SLABS, IN 2 INCH SLABS OR IN TERRAZZO FLOOR FINISH.

LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS. RACEWAYS OVER 10 FT LONG IN WHICH WIRING IS NOT INSTALLED: FURNISH FISH WIRE.

SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.

VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE, CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO

LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.

COVERS OF JUNCTION AND PULLBOXES SHALL BE READILY ACCESSIBLE.

PROVIDE PULLBOXES WHERE INDICATED, WHERE REQUIRED BY CODE AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES.

EMPTY RACEWAYS RUNS: PROVIDE PULLBOXES EVERY 100 FT AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.

JUNCTION AND PULLBOXES: LOCATE GENERALLY NOT EXPOSES IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT.

SUPPORT PANEL, JUNCTION AND PULLBOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.

ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.

PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED PULL ON THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32F (0C). BY CODE.

PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. COMMON BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.

HEIGHTS OR OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET:

RECEPTACLES AND TELEPHONE:	
GENERALLY	1'-6"
OVER WORK BENCHES	3'-6"
WALL SWITCHES	4'-0"
WALL FIXTURES	7'-0"
MOTOR CONTROLLERS	5'-0"
GONGS AND HORNS	7'-0"
FIRE ALARM STATIONS	4'-0"
STROBE LIGHTS	

(WHICHEVER IS LOWER)
6'-8" AFF OR 6" BELOW CEILING

EXCEPTION: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN VIOLATION OF CODE REQUIREMENTS, AS NOTED OR DIRECTED.

WIRE COLOR CODING: AS PER CODE. WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING OF CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.

INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS: ONLY EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS ARE NOT TO BE WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF INTERRUPTED.

FIRESTOPPING SHALL BE INSTALLED WHENEVER WIRING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION

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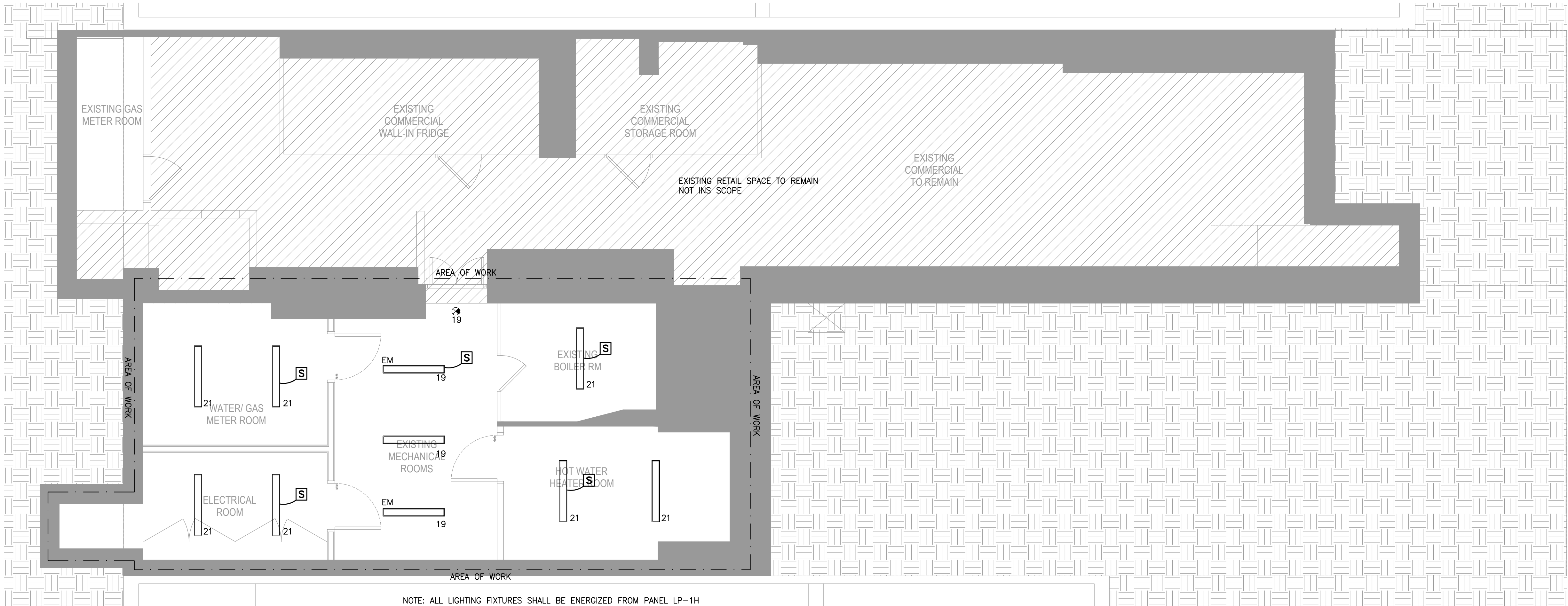
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5/26/17	ISSUED FOR CONSTRUCTION
REV.	DATE DESCRIPTION

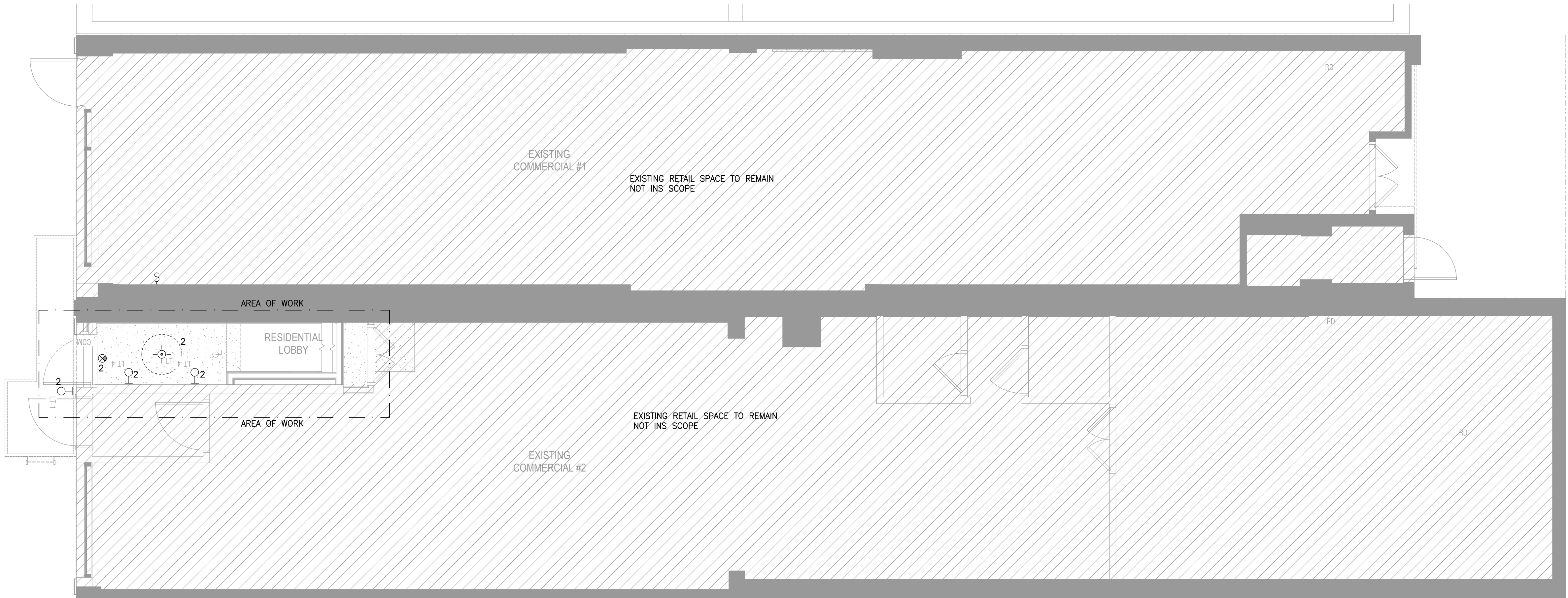
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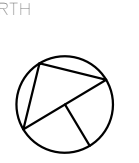
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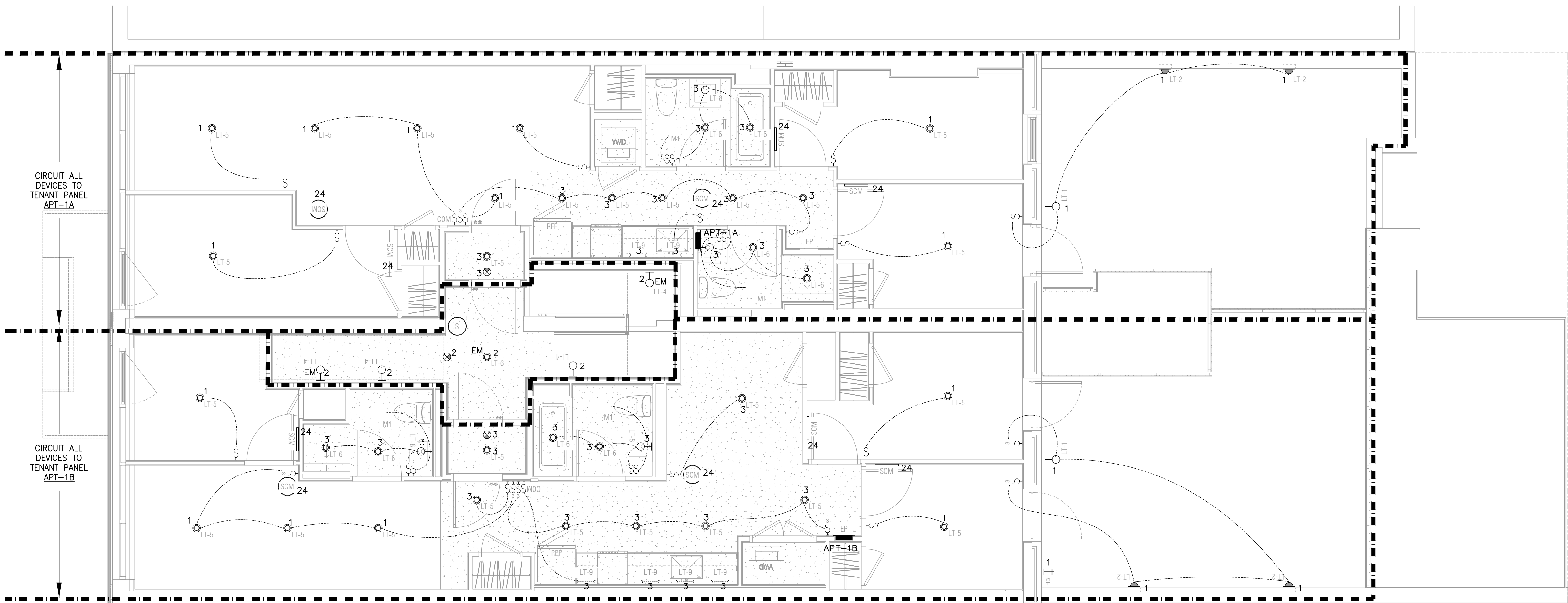


CELLAR RCP
SCALE: 1/4"=1'-0"



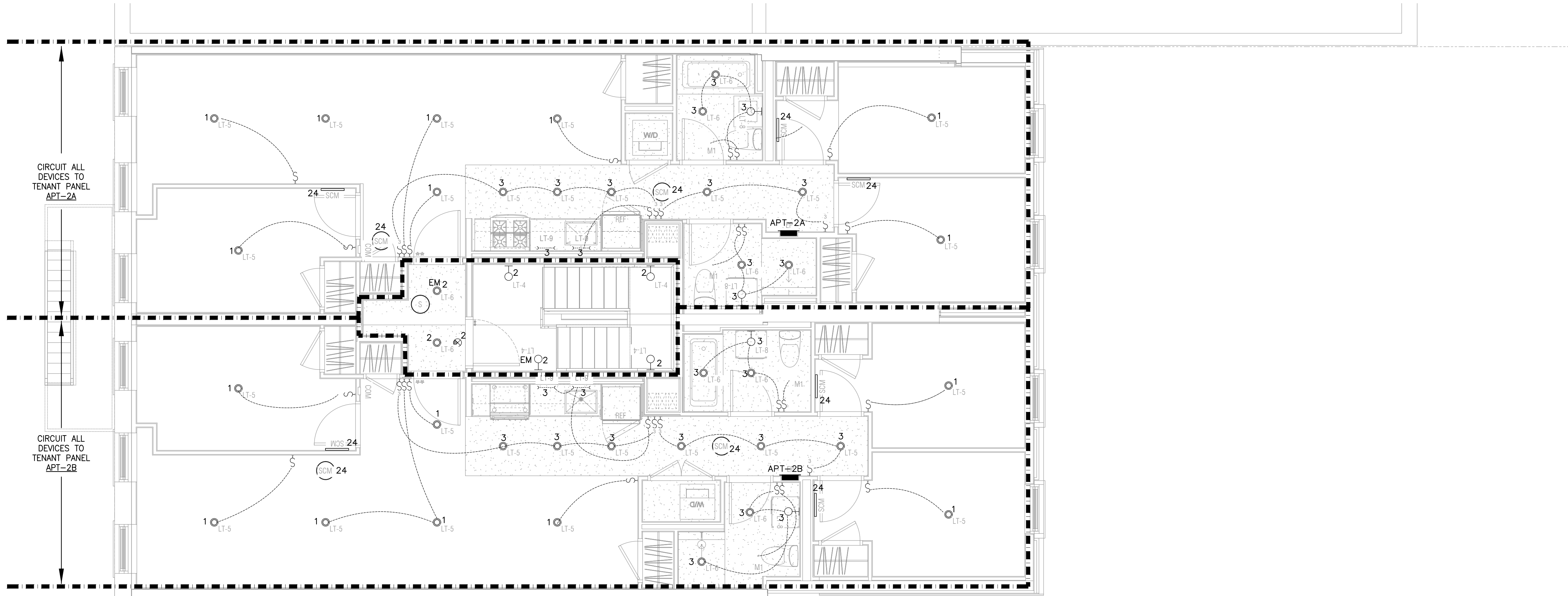
BASEMENT RCP
SCALE: 1/4"=1'-0"





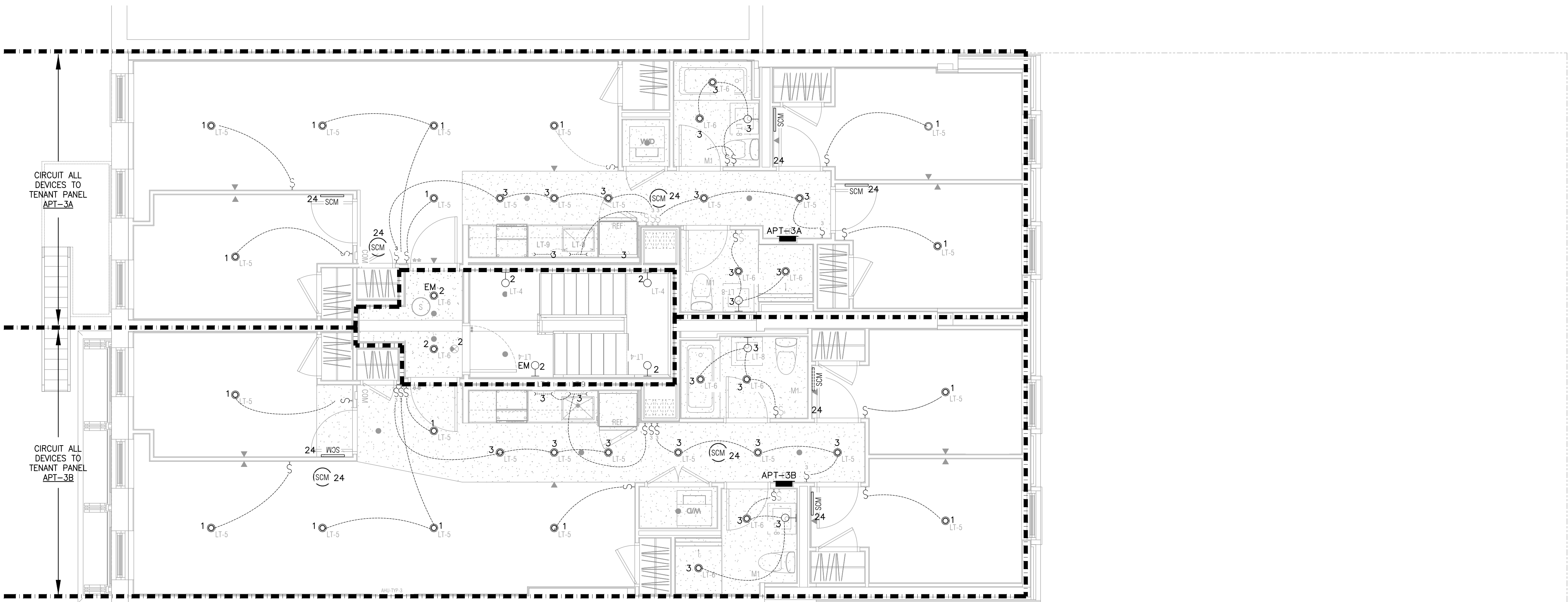
1ST FLOOR RCP

SCALE: 1/4"=1'-0"



2ND FLOOR RCP

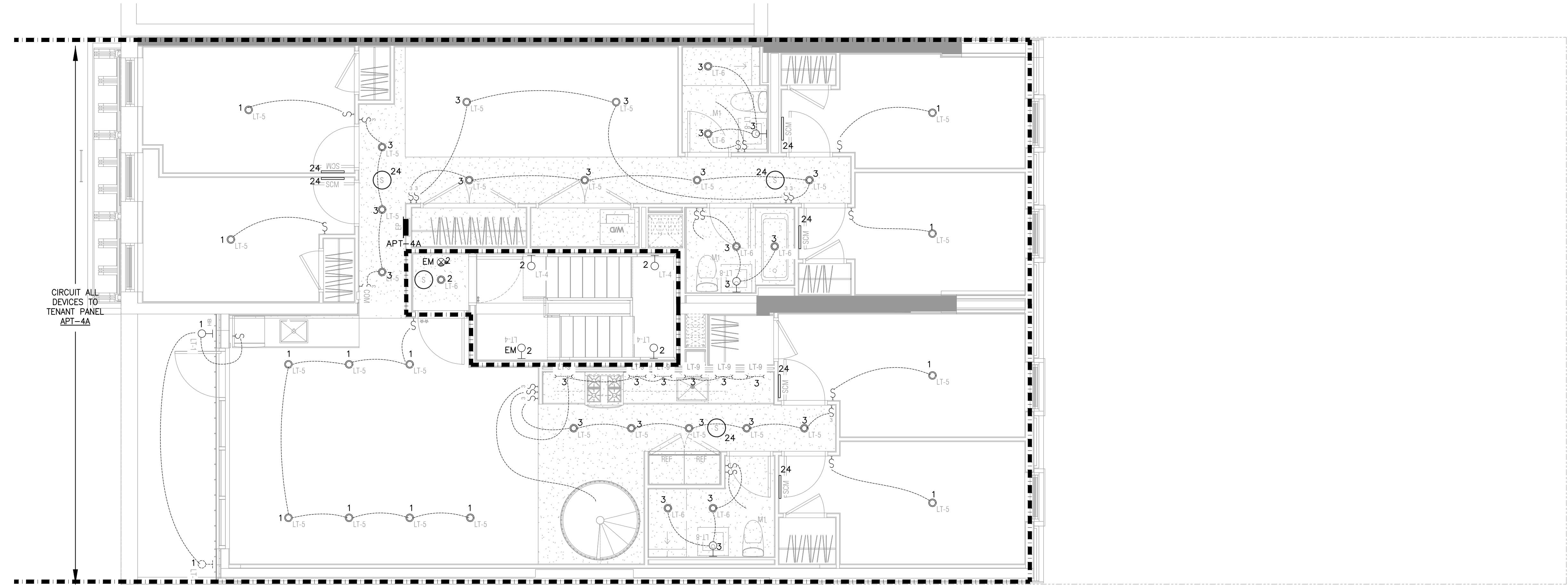
SCALE: 1/4"=1'-0"



3RD FLOOR RCP

SCALE: 1/4"=1'-0"

NOTE: ALL LIGHTING FIXTURES IN PUBLIC CORRIDOR AND STAIRCASE SHALL BE ENERGIZED FROM PANEL LP-1H



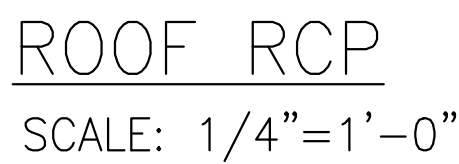
4TH FLOOR RCP

SCALE: 1/4"=1'-0"

NOTE: ALL LIGHTING FIXTURES IN PUBLIC CORRIDOR AND STAIRCASE SHALL BE ENERGIZED FROM PANEL LP-1H

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NOTE: ALL LIGHTING FIXTURES IN ROOF AND STAIRCASE SHALL BE ENERGIZED FROM PANEL LP-1H

[illegible]

5/26/17	ISSUED FOR CONSTRUCTION
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REV.	DATE	DESCRIPTION
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BLOCK 438 LOT 6

ELECTRICAL
ROOF RCP

174-176 FIRST AVENUE

al:

As indicated	MAY 2017
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E.C.	E.C.

Sheet no. 5 OF 10

E-103.00



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SCALE: 1/4"=1'-0"

* ALL RECEPTACLE OUTLETS WITHIN KITCHEN SHALL BE GFCI TYPE, EXCEPT OUTLET FOR REFRIGERATOR



SCALE: 1/4"=1'-0"

* ALL RECEPTACLE OUTLETS WITHIN KITCHEN SHALL BE GFCI TYPE, EXCEPT OUTLET FOR REFRIGERATOR

1	5/26/17	ISSUED FOR CONSTRUCTION
REV.	DATE	DESCRIPTION

key plan BLOCK 438 LOT 6

drawing title

ELECTRICAL
1ST AND 2ND FLOOR PLANS

project title

174-176 FIRST AVENUE

dob no

seal	scale As indicated	date MAY 1977
	drawn E.C.	checked E.C.
	project no. 16-06	
	sheet no. 7 OF 10	
	drawing no. E-201.00	

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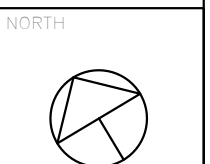
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1	5/26/17	ISSUED FOR CONSTRUCTION
REV.	DATE	DESCRIPTION

ELECTRICAL
3RD AND 4TH FLOOR PLANS

4-176 FIRST AVENUE, NEW YORK, NY 10009

	scale	date
	As indicated	MAY 2017
	drawn	checked
	E.C.	E.C.
	project no.	
		16-06
sheet no.		
8		OF 10
drawing no.		
E-202.00		



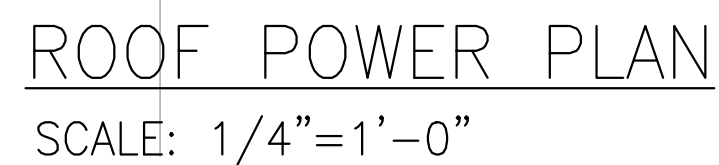
SCALE: $1/4"=1'-0"$

* ALL RECEPTACLE OUTLETS WITHIN KITCHEN SHALL BE GFCI TYPE, EXCEPT OUTLET FOR REFRIGERATOR



SCALE: $1/4"=1'-0"$

* ALL RECEPTACLE OUTLETS WITHIN KITCHEN SHALL BE GFCI TYPE, EXCEPT OUTLET FOR REFRIGERATOR



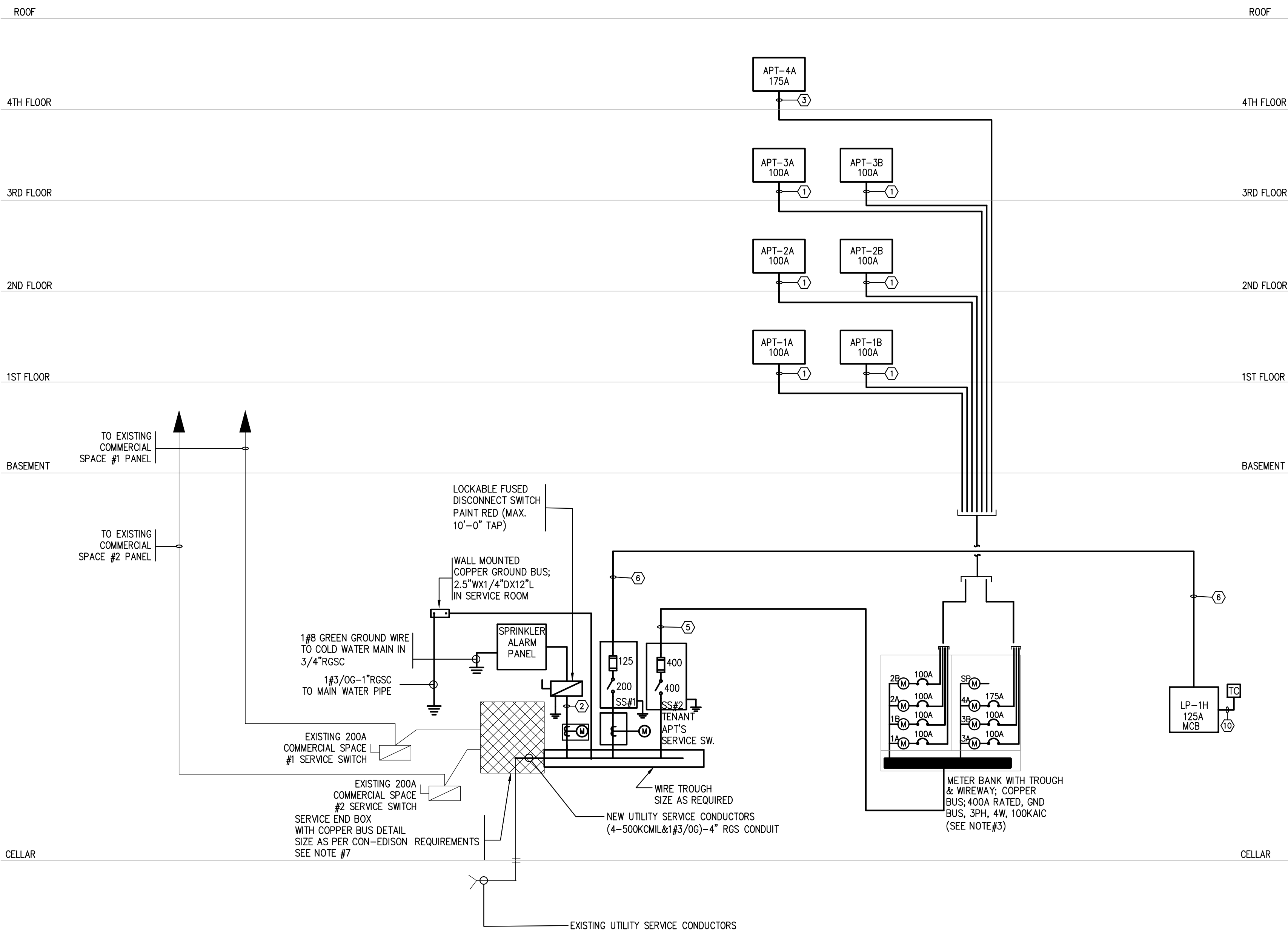
* PROVIDE LOCKABLE TYPE CIRCUIT BREAKER

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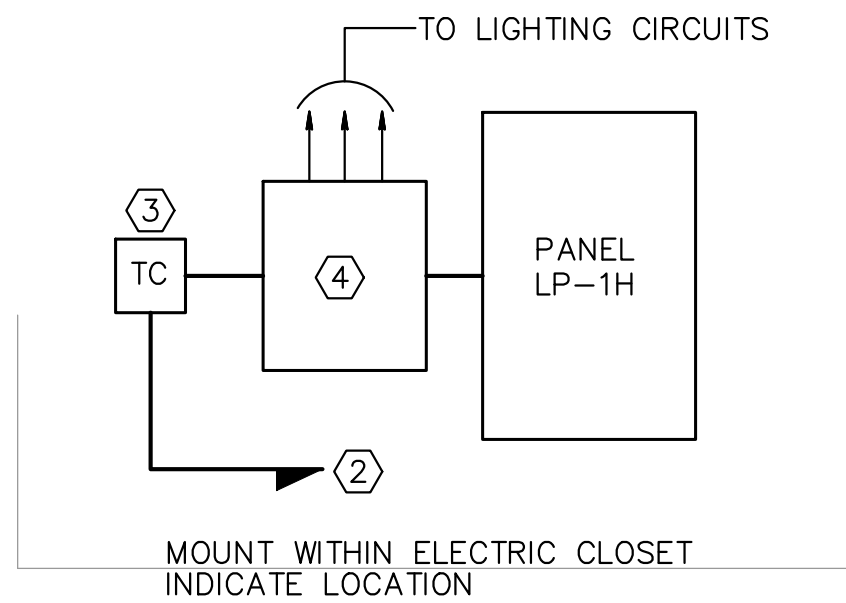
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POWER RISER DIAGRAM

NOT TO SCALE



NOTE:

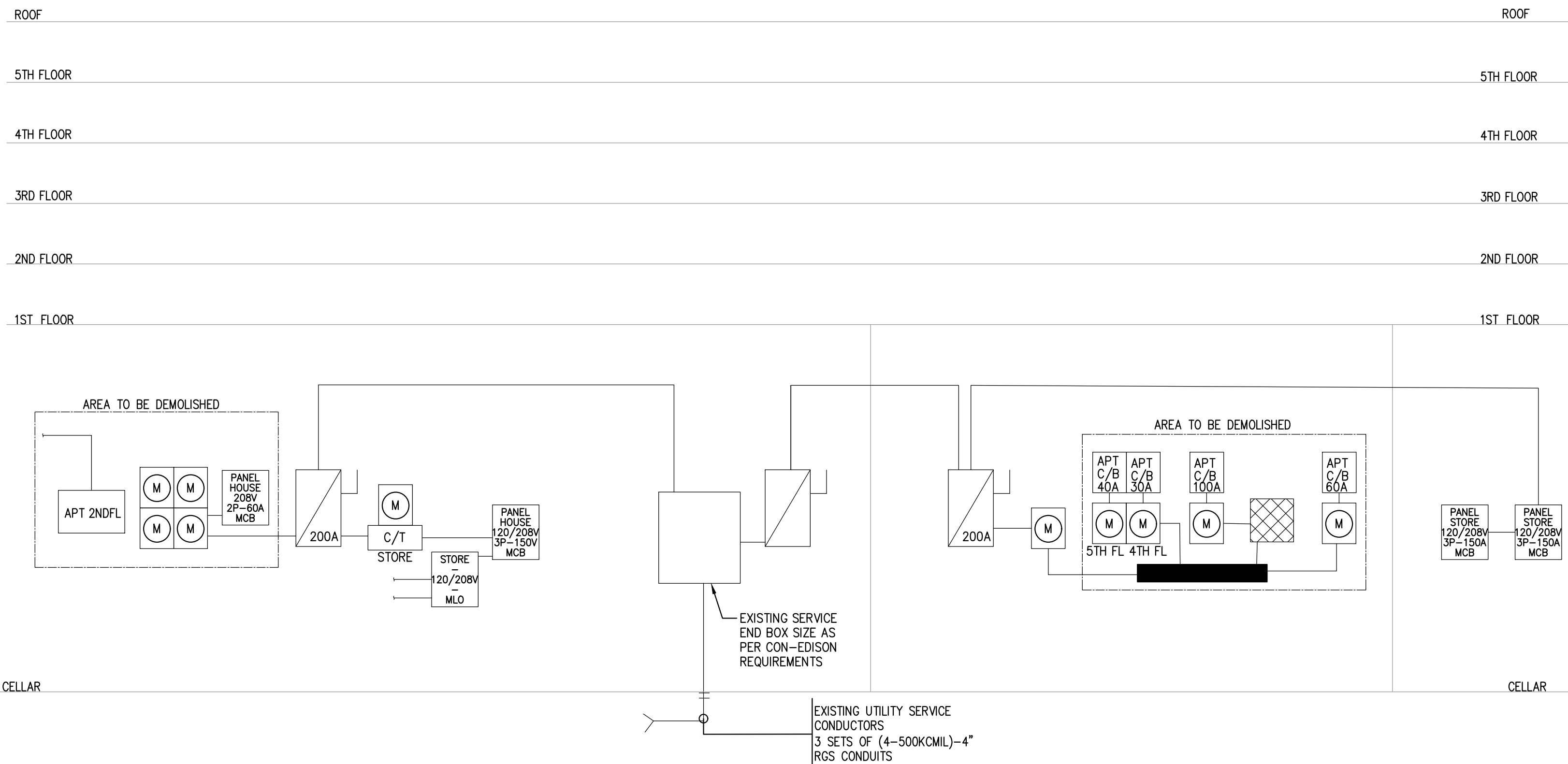
- 1 CONTRACTOR TO SUBMIT WIRING DIAGRAMS & CATALOG CUTS PRIOR TO ORDERING EQUIPMENT FOR APPROVAL

KEY NOTES

- 1 FLUSH MOUNTED MASTER REMOTE CONTROL TOGGLE 3 POSITION MOMENTARY CONTACT SWITCH WITH CENTER NEUTRAL POSITION ASCO #17342. PROVIDE IDENTIFICATION LABEL TO READ "MASTER LIGHTING CONTROL SWITCH".
- 2 CONNECT TO NEAREST RECEPTACLE CIRCUIT
- 3 WALL MOUNTED TIME CLOCK -120 VOLT OPERATION LED READOUT TORK, MODEL #DGM-100-3 WITH MANUAL OVERRIDE FEATURE
- 4 PROVIDE (1) WALL MOUNTED MULTI-POLE RELAY EACH WITH (6) CONTACTS COIL TO OPERATE ON 120V, CONTACTS RATED FOR 120V LIGHTING CIRCUITS, ASCO #917 MOUNTED IN NEMA 1 ENCLOSURE TO CONTROL LIGHTING CIRCUITS INDICATED.

TIME CLOCK CONTROL - WIRING DIAGRAM

N.T.S.



PARTIAL EXISTING POWER RISER DIAGRAM

NOT TO SCALE

KEY NOTES:

1. GENERAL CONDUIT RUN. PROVIDE PULL BOXES AND SUPPORTS ON ALL VERTICAL AND HORIZONTAL RUNS AS REQUIRED. PROVIDE CABLE SUPPORTS FOR VERTICAL RUNS IN CONDUIT AS REQUIRED.
2. ALL APARTMENT METERS SHALL BE SINGLE PHASE, 3 WIRE, 100AMP MAIN CIRCUIT BREAKER, (30) POLE; 10,000AIC. CONFIGURED AS REQUIRED. (U.O.N.).
3. PROVIDE CON EDISON APPROVED METER BANK. APARTMENT OCPD AT METER BANK SHALL BE SERIES RATED WITH UPSTREAM DEVICE TO PROVIDE 100KAIC
4. FILE WITH CON EDISON AND BUREAU OF ELECTRICAL CONTROLS FOR THIS WORK. PROVIDE ARC FLASH LABEL AND SHORT CIRCUIT STUDY. COMPLY WITH UTILITY REQUIREMENTS FOR NEW WORK AND COORDINATE WITH UTILITY COMPANY FOR NEW SERVICE REQUIREMENTS. FOLLOW UTILITY COMPANY SPECS AND REGULATIONS.
5. ALL SERVICE FUSES SHALL BE RATED FOR 200,000 AIC RATING.
6. ALL EXISTING ABANDON DEVICE/ EQUIPMENT, CT'S AND APARTMENT PANELS SHALL BE DISCONNECTED AND REMOVED INCLUDING BUT NOT LIMITED TO CONDUIT AND WIRING ETC..
7. CONFIRM EXISTING SERVICE END BOX CAN ACCOMMODATE NEW 4#500KCMIL-4"RGSC; AND PROVIDE NEW SERVICE SERVICE END BOX PER CON EDISON REQUIREMENT IN THE EVENT IT CANNOT. RECONNECT EXISTING SERVICES TO NEW SERVICE END BOX. COORDINATE ALL SHUT DOWN OF SERVICES WITH OWNER.

FEEDER SCHEDULE

- 1 3#2+1#6G-1 1/4" C
- 2 5#10+1#10G-3/4" VITALINK 2HR RATED CABLE
- 3 3#2/0+1#6G-1 1/2" C
- 4 3#3/0+1#6G-2" C
- 5 4#600KCMIL+1#3G-4" C
- 6 4#1/0+1#6G-1 1/2" C

workshop^{da}

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REV. DATE DESCRIPTION

Block 438 Lot 6

ELECTRICAL
PROPOSED AND EXISTING POWER
RISER DIAGRAMS

174-176 FIRST AVENUE

174-176 FIRST AVENUE, NEW YORK, NY 10002

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scale As indicated date MAY 2017
drawn E.C. checked E.C.
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sheet no. 10 OF 10
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