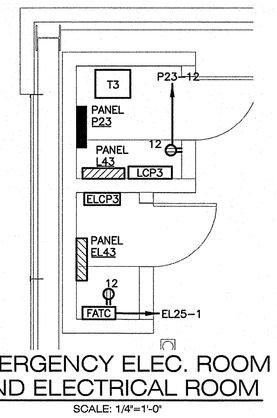


EMERGENCY ELEC. ROOM
AND ELECTRICAL ROOM

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

POWER NOTES:

1. REFER TO DRAWING E0.00 FOR LEGEND, SYMBOLS AND GENERAL NOTES.

2. REFER TO ARCHITECTURAL DRAWINGS FOR ASSOCIATED NOTES, MOUNTING DETAILS, HEIGHTS AND EXACT LOCATIONS OF ALL DEVICES.

3. CIRCUIT NUMBERS ARE DIAGRAMMATIC. EXACT NUMBERS SHALL BE DETERMINED IN THE FIELD AND REFLECTED ON AS-BUILT DOCUMENTATION BY THE ELECTRICAL CONTRACTOR. THE ASSOCIATED CIRCUIT NUMBERS THAT ARE APPLIED TO EACH DEVICE AND PIECE OF EQUIPMENT INFERS INTERCONNECTING BRANCH CIRCUITRY. INTERCONNECTING BRANCH WIRING SHALL BE SIZED EQUAL TO THE HOMERUN UNLESS NOTED OTHERWISE.

4. VOLTAGE DROP HAS BEEN CONSIDERED IN THE DESIGN OF ALL BRANCH CIRCUITRY AND FEEDER SIZES BASED UPON THE ILLUSTRATED EQUIPMENT LAYOUTS AND SHORTEST CONDUCTOR/RACEWAY ROUTING. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DEVIATIONS TAKEN THAT WILL INCREASE CONDUCTOR/RACEWAY ROUTING LENGTHS. BRANCH CIRCUITS LONGER THAN 75' FOR 120V FROM PANEL TO LAST OUTLET SHALL BE INCREASED A MINIMUM OF ONE SIZE ABOVE THAT SPECIFIED TO LIMIT VOLTAGE DROP TO LESS THAN 3%. FEEDERS SHALL FOLLOW SIMILAR GUIDELINES AND BE LIMITED TO 2% DROP.

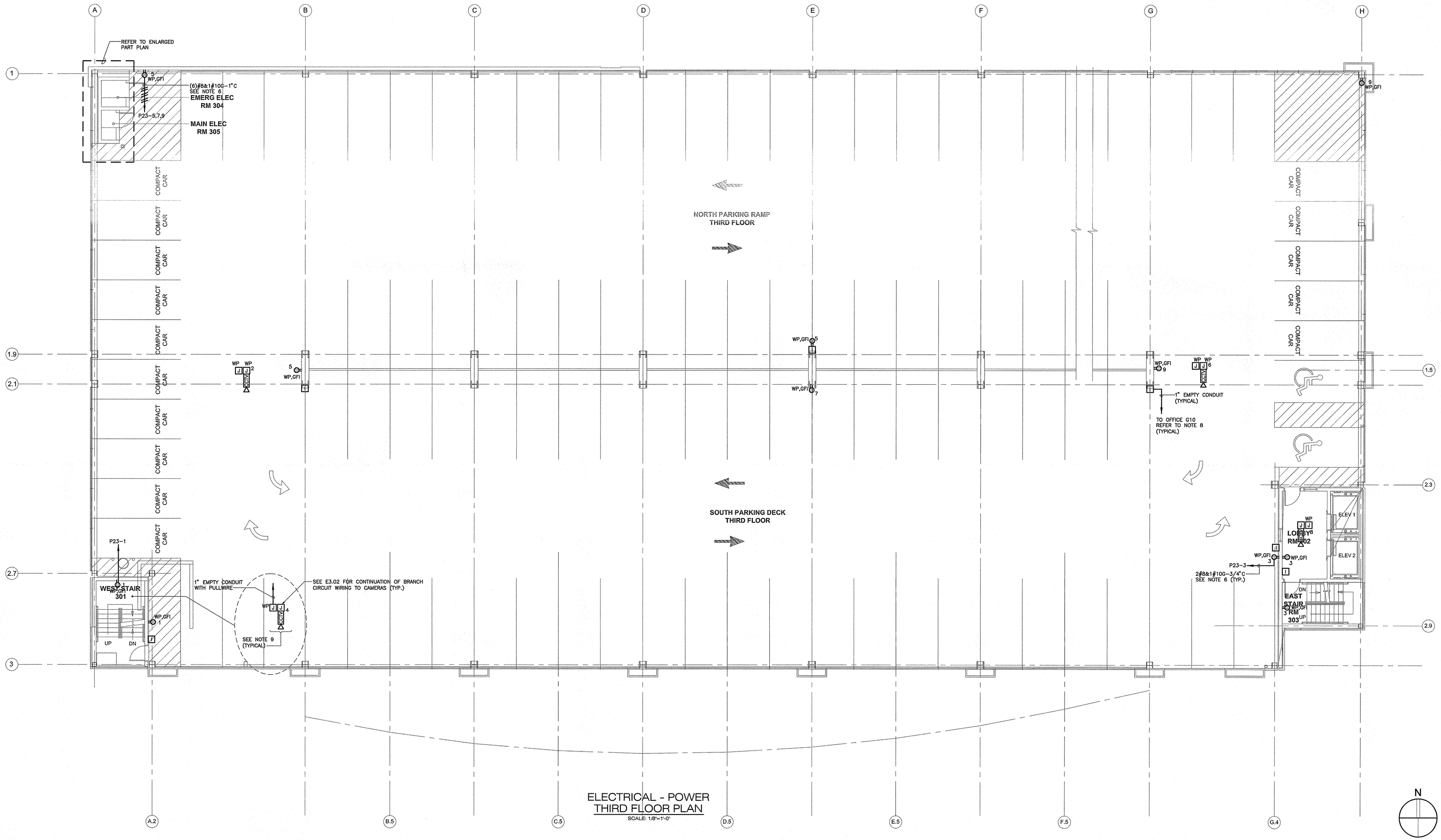
5. POWER BRANCH CIRCUITRY SHALL BE INSTALLED IN CONDUIT (RGS).

6. PROVIDE COMPRESSION TERMINATIONS TO ENABLE TERMINATION OF OVERSIZED CONDUCTORS DUE TO VOLTAGE DROP.

7. PROVIDE HEAT TRACE (8W/LF) FOR PLUMBING PIPING AS INDICATED. ALL PIPE AND INSULATION SIZES AND EXACT ROUTING/LENGTHS SHALL BE COORDINATED IN THE FIELD BETWEEN TRADES AND HEAT TRACE SYSTEM MANUFACTURER PRIOR TO INSTALLATION. REFER TO TYPICAL FREEZE PROTECTION HEAT TRACE INSTALLATION DETAIL, THIS SHEET. ALL HEAT TRACE BRANCH CIRCUITS SHALL BE VIA HEAT TRACE CONTROL PANEL.

8. PROVIDE WORKBOX AND 1" EMPTY CONDUIT WITH PULLWIRE FOR INTERCOM STATION AND CCTV CAMERAS AS INDICATED. CONDUIT SHALL BE STUBBED OUT ABOVE FINISHED ACCESSIBLE CEILING IN OFFICE G10 AND LABELED FOR FUTURE USE. PROVIDE CONDUIT BUSHINGS AT BOTH ENDS.

9. ADD ALTERNATE: CCTV SYSTEM
PROVIDE EMPTY CONDUIT/WORKBOXES FOR CONTROL AND POWER CONNECTION AS INDICATED FOR CCTV SYSTEM. CONDUIT SHALL BE STUBBED OUT ABOVE FINISHED ACCESSIBLE CEILING IN OFFICE G10 AND LABELED FOR FUTURE USE. REFER TO DRAWING E3.00 FOR LOCATION OF OFFICE G10. PROVIDE CONDUIT BUSHINGS AT BOTH ENDS.



ELECTRICAL - POWER
THIRD FLOOR PLAN

SCALE: 1/8"=1'-0"

1/8" = 1'-0"

0 8' 16'

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CONSTRUCTION SET

OWNER

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SUITE 500
PORTLAND, ME 04101

CLIENT

RIVERWALK, LLC

2 MARKET STREET;
SUITE 500
PORTLAND, ME 04101

PROJECT

OCEAN GATEWAY PARKING GARAGE

MIDDLE STREET
PORTLAND, MAINE

REVISIONS

NO.	DATE	DESCRIPTION
1	08/10/07	BULLETIN 1

DATE FEB 22, 2007
SCALE
PROJECT NO. 05-032

STATE OF MAINE
TIMOTHY TYSON
No. 9609
LICENSED
PROFESSIONAL ENGINEER

DRAWING TITLE
ELECTRICAL THIRD FLOOR POWER PLAN

SHEET NUMBER
E3.03

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