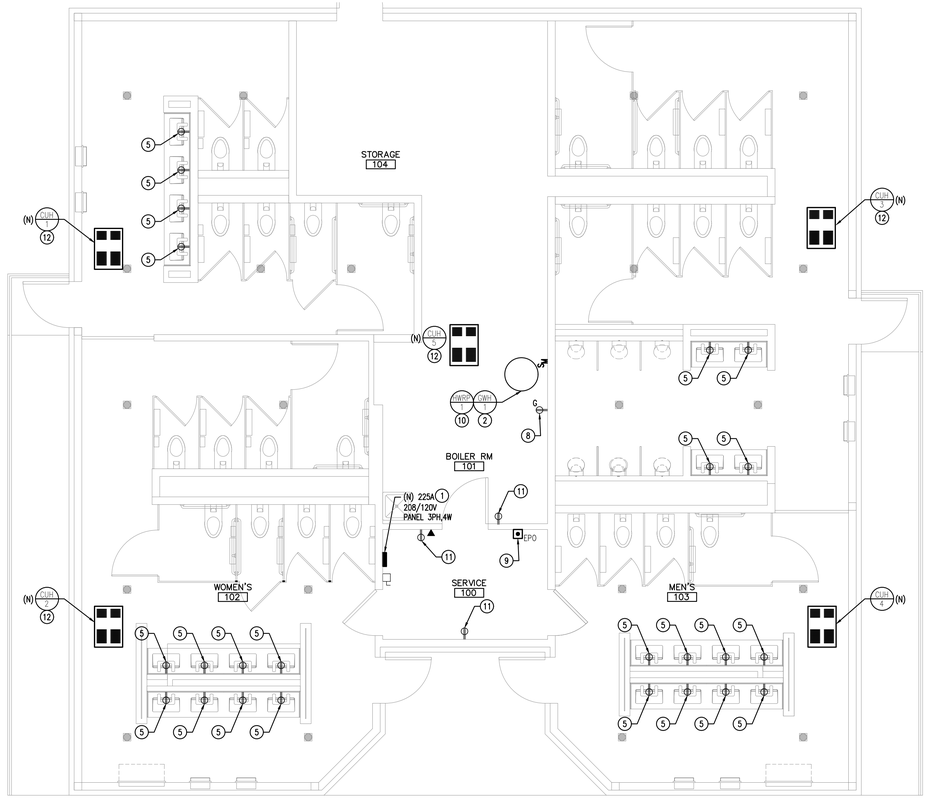
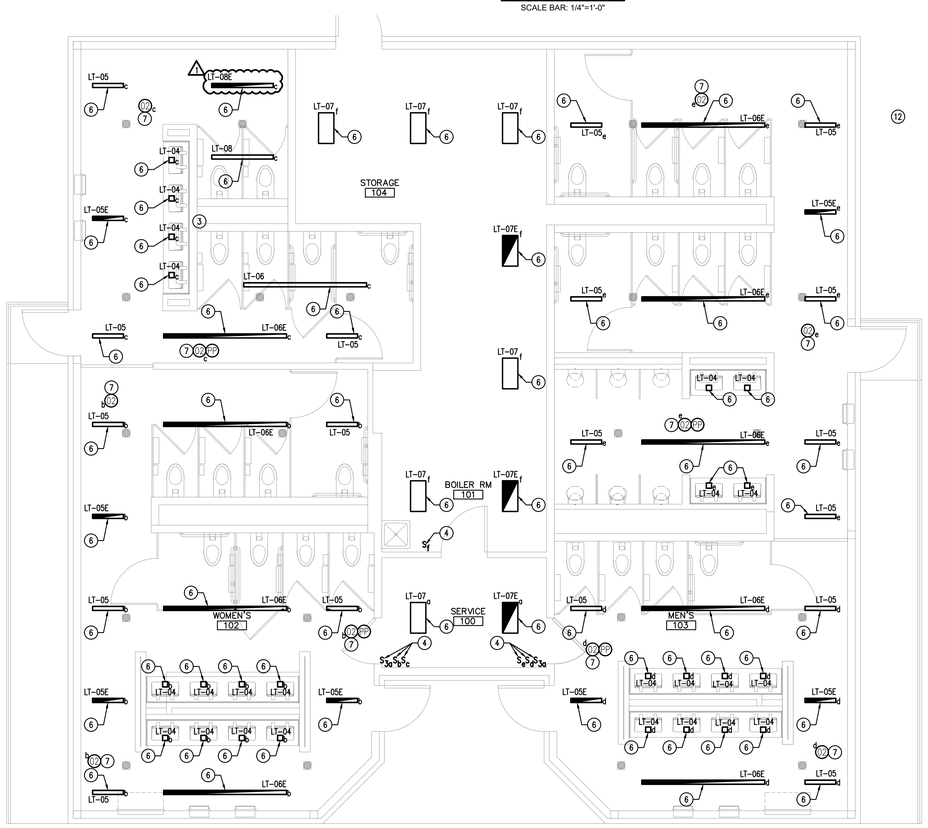


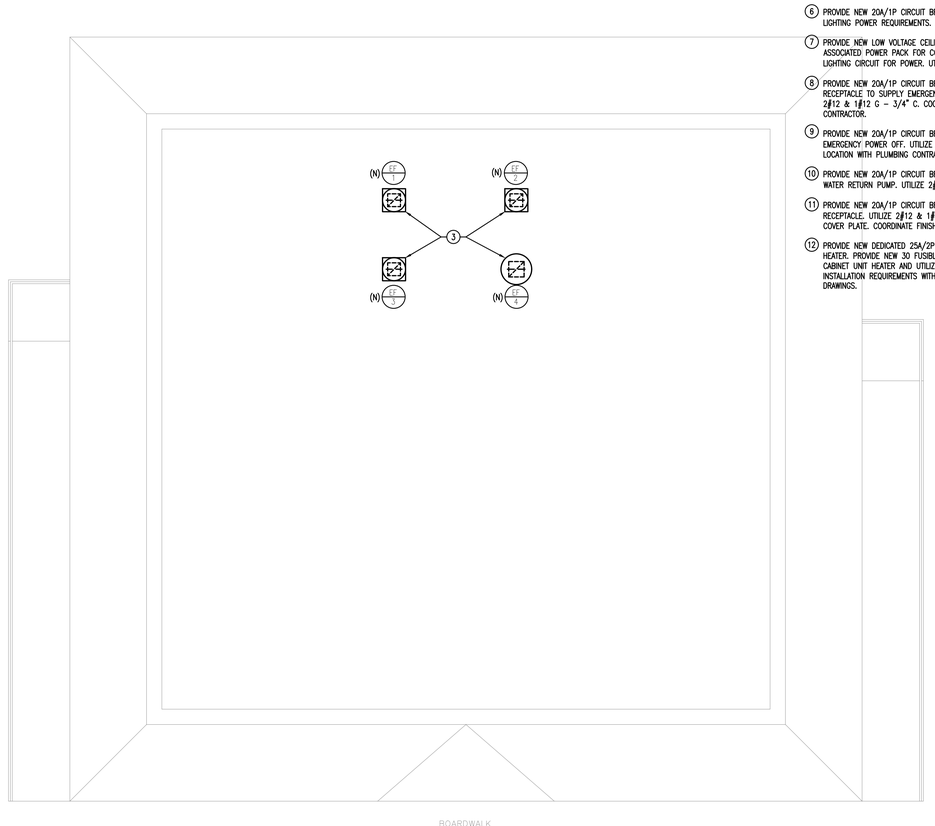
1 / 04 E-101 — NEW WORK FLOOR PLAN – POWER
SCALE: 1/4" = 1' – 0"

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



2 / 04 E-101 — NEW WORK FLOOR PLAN – LIGHTING
SCALE: 1/4" = 1' – 0"

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



3 / 04 E-101 — NEW WORK ROOF PLAN – POWER
SCALE: 1/4" = 1' – 0"

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

NEW WORK SYSTEM NOTES:

1. GENERAL NOTES:

A. REFER TO ELECTRICAL LEAD SHEET, E-001 FOR "NOTES" THAT PERTAIN TO THE SCOPE OF THIS PROJECT.

B. REFER TO DETAIL SHEET, E-003 FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS.

C. REFER TO SHEET SPECIFICATIONS, E-002 FOR PROJECT DETAILS AND EXECUTION REQUIREMENTS.

D. REFER TO DRAWING E-002 FOR LUMINAIRE SCHEDULE.

E. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE.

F. CONTRACTOR SHALL PROVIDE ALL REQUIRED CONDUITS, RACEWAYS, CONDUCTORS, AND OTHER EQUIPMENT NECESSARY TO PROVIDE A COMPLETE WORKING SYSTEM.

G. CONTRACTOR SHALL INSTALL ALL (N) EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND SHALL MAINTAIN ALL CLEARANCES AS NOTED WITHIN THE WRITTEN INSTRUCTIONS.

H. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL ELECTRICAL EQUIPMENT, WIRING AND RACEWAY, AND MAKE ALL CONNECTIONS TO/FROM PANELBOARDS, DISCONNECT SWITCHES, ADJUSTABLE SPEED DRIVES, MOTOR STARTERS, AND THE END USE EQUIPMENT NECESSARY FOR A FULLY OPERATIONAL SYSTEM. COORDINATE WITH MECHANICAL CONTRACTOR.

I. ALL RACEWAYS PENETRATING FIRE RATED PARTITIONS, WALLS, AND CEILINGS SHALL BE SEALED USING APPROVED FIRE RATED SEALANT TO MATCH THE REQUIRED WALL FIRE RATING, SEE DRAWING E-003 SUBMIT UL APPROVED METHODS FOR FIRESTOPPING AT EACH SPECIFIC LOCATION.

J. ALL POWER SHUT DOWNS MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.

K. THE ELECTRICAL CONTRACTOR SHALL MAKE AN ON SITE INSPECTION TO DETERMINE THE FULL SCOPE OF WORK AND WORKING CONDITIONS BEFORE SUBMITTING A PROPOSAL.

L. THE ELECTRICAL CONTRACTOR SHALL PROVIDE NEW TYPEWRITTEN PANEL SCHEDULES WITHIN THE SCOPE OF THIS PROJECT. THIS INCLUDES ALL PANELS EVEN IF ONLY A FEW CIRCUITS WERE CHANGED AS A RESULT OF THIS PROJECT. WHERE ACTUAL FIELD CONDITIONS REQUIRE DIFFERENT CIRCUIT NUMBERS THAN THOSE INDICATED ON PLANS THE CONTRACTOR SHALL ADVISE OWNER OF CHANGES ON REQUIRED AS-BUILT DRAWINGS.

M. ALL LIGHTING AND ASSOCIATED CONTROLS SHALL COMPLY WITH ASHRAE 90.1 2016.

N. ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO VERIFY EXISTING DEMAND LOADS ON EXISTING ELECTRICAL EQUIPMENT THAT IS BEING MODIFIED AS PART OF THIS SCOPE OF WORK AND ADVISE ENGINEER OF RECORD/OWNER WHERE THE EXISTING AND NEW EQUIPMENT LOADS EXCEED THE RATING OF THE EXISTING ELECTRICAL EQUIPMENT.

NEW WORK KEYED NOTES:

GENERAL: NEW WORK NOTES ARE INDICATED WITH THE FOLLOWING SYMBOL (n) AND ARE NUMBERED AS FOLLOWS:

(1) PROVIDE NEW 208Y/120V, 3 PHASE, 4 WIRE, 225A MLO ELECTRICAL PANEL WITH 72 CIRCUITS TO REPLACE EXISTING ELECTRICAL PANEL. SPLICE/EXTEND EXISTING FEEDER CONDUCTORS, IN KIND AND AS REQUIRED, TO FEED NEW ELECTRICAL PANEL. PROVIDE NEW BREAKERS IN NEW ELECTRICAL PANEL FOR ALL CIRCUITS EXISTING TO REMAIN THAT MATCH EXISTING TYPES AND RATINGS.

(2) PROVIDE NEW 20A/1P CIRCUIT BREAKER IN NEW ELECTRICAL PANEL FOR NEW WATER HEATER. PROVIDE MOTOR RATED SWITCH AND UTILIZE 2#12 & 1#12 G – 3/4" C.

(3) PROVIDE NEW 20A/1P CIRCUIT BREAKER IN NEW ELECTRICAL PANEL FOR (4) NEW EXHAUST FAN POWER REQUIREMENTS AND ASSOCIATED MOTOR RATED SWITCH. UTILIZE 2#12 & 1#12 G – 3/4" C.

(4) PROVIDE NEW SWITCH FOR CONTROL OF NEW LIGHTS. UTILIZE 120V 20A/1P LIGHTING CIRCUIT FOR POWER. PROVIDE NEW STAINLESS STEEL COVER PLATE. UTILIZE 2#12 & 1#12 G – 3/4" C.

(5) PROVIDE NEW DEDICATED 20A/1P GFCI CIRCUIT BREAKER IN NEW ELECTRICAL PANEL FOR EACH POWERED SINK. PROVIDE NEW RECEPTACLE AT EACH SINK IN LOCKABLE ENCLOSURE. UTILIZE 2#12 & 1#12 G – 3/4" C. REFER TO MANUFACTURER INSTALLATION REQUIREMENTS FOR FINAL ELECTRICAL REQUIREMENTS AND RECEPTACLE LOCATIONS.

(6) PROVIDE NEW 20A/1P CIRCUIT BREAKERS IN NEW ELECTRICAL PANEL FOR NEW LIGHTING POWER REQUIREMENTS. UTILIZE 2#12 & 1#12 G – 3/4" C.

(7) PROVIDE NEW LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR AND ASSOCIATED POWER PACK FOR CONTROL OF NEW LIGHTS. UTILIZE 120V 20A/1P LIGHTING CIRCUIT FOR POWER. UTILIZE 2#12 & 1#12 G – 3/4" C.

(8) PROVIDE NEW 20A/1P CIRCUIT BREAKER IN NEW ELECTRICAL PANEL FOR NEW RECEPTACLE TO SUPPLY EMERGENCY WATER HEATER VALVE SHUT-OFF. UTILIZE 2#12 & 1#12 G – 3/4" C. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR.

(9) PROVIDE NEW 20A/1P CIRCUIT BREAKER IN NEW ELECTRICAL PANEL FOR NEW EMERGENCY POWER OFF. UTILIZE 2#12 & 1#12 G – 3/4" C. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR.

(10) PROVIDE NEW 20A/1P CIRCUIT BREAKER IN NEW ELECTRICAL PANEL FOR NEW HOT WATER RETURN PUMP. UTILIZE 2#12 & 1#12 G – 3/4" C.

(11) PROVIDE NEW 20A/1P CIRCUIT BREAKER IN NEW ELECTRICAL PANEL FOR NEW RECEPTACLE. UTILIZE 2#12 & 1#12 G – 3/4" C. PROVIDE NEW STAINLESS STEEL COVER PLATE. COORDINATE FINISH WITH ARCHITECT.

(12) PROVIDE NEW DEDICATED 25A/2P CIRCUIT BREAKER FOR EACH NEW CABINET UNIT HEATER. PROVIDE NEW 30 FUSIBLE DISCONNECT WITH 25A FUSES FOR EACH CABINET UNIT HEATER AND UTILIZE 3#10, 1#10 G & 3/4" C. COORDINATE FINAL INSTALLATION REQUIREMENTS WITH MECHANICAL CONTRACTOR AND APPROVED SHOP DRAWINGS.

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AC Boardwalk Restroom
Renovation
Atlantic City, NJ

SUBMISSIONS

NO.	DATE:	DESCRIPTION:
1	2020 07 13	ADDENDUM 04
	2020 07 07	ISSUED FOR DCA REVIEW

DRAWING TITLE:
CHELSEA AVENUE
ELECTRICAL NEW WORK
FLOOR PLANS
POWER & LIGHTING

DRAWN BY: CEG	DRAWING NO.
REVIEWED BY: CEG	04 E-101
PROJECT NO. 19074.00	