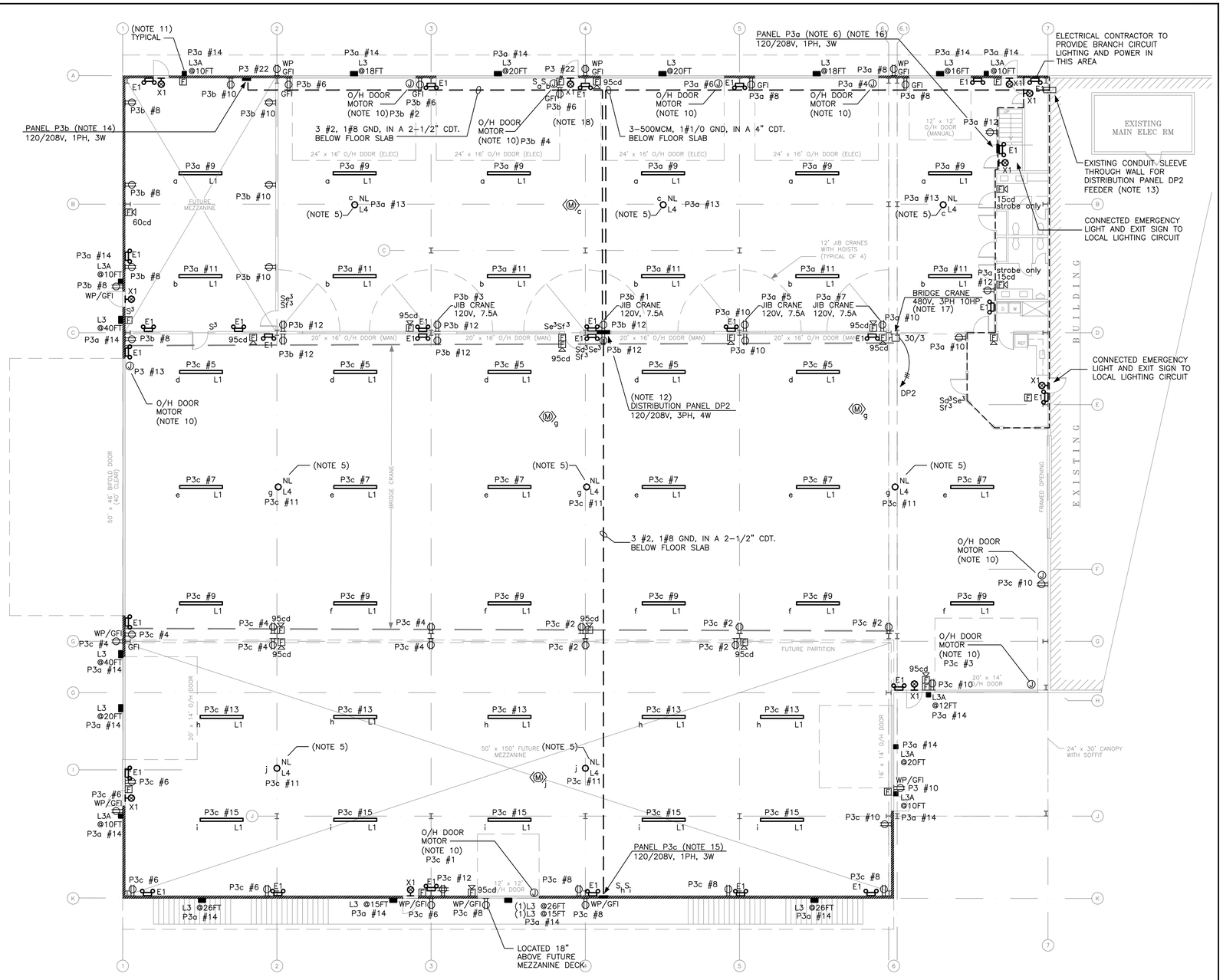
Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 10/03/14



SCALE: 3/32" = 1'-0"

PHASE 2 BUILDING PLAN | 1

1. ALL ELECTRICAL WORK SHALL CONFORM TO NFPA 70, AS WELL AS ALL STATE AND LOCAL BUILDING CODES.
2. CONNECT NEW EMERGENCY LIGHTS AND EXIT SIGNS TO LOCAL LIGHTING CIRCUIT, AHEAD OF SWITCH-LEG WIRING.
3. PROVIDE A CONTINUOUS #3/0 BARE COPPER GROUND CONDUCTOR TO RUN THE ENTIRE LENGTHS OF THE NORTH AND SOUTH WALLS OF THE MAIN BUILDING. BOND THE GROUND CONDUCTOR TO EACH COLUMN AND CONNECT TO THE SERVICE ENTRANCE GROUNDING SYSTEM.
4. LIGHTING FIXTURES:
   - TYPE L1: COLUMBIA MODEL # XEM8-254-RA-EP-U-F3C15W, OR EQUAL.
   - TYPE L2: COLUMBIA MODEL # XEM4-1-32-RA-E-U, OR EQUAL.
   - TYPE L3: HUBBELL MODEL # LMC-30LU-4K-4-4-PC1(120), OR EQUAL.
   - TYPE L3A: HUBBELL MODEL # LCC-12LU-5K-4-PC1(120), OR EQUAL.
   - TYPE L4: HUBBELL MODEL # KHL24LU-5K-5M-A-2-TN, OR EQUAL.
   - TYPE E1: DUAL-LITE MODEL # LM-36-N-12V/SRHSW1212, OR EQUAL.
   - TYPE X1: DUAL-LITE MODEL # LX-U-R-W-E, OR EQUAL.
5. TYPE L4 LIGHTS SHALL BE RUN AS NIGHT-LIGHTS TO BE CONTROLLED BY MOTION SENSOR. CIRCUIT TO A 20A/1P CIRCUIT BREAKER IN THE CLOSEST BRANCH CIRCUIT PANEL..
6. PROVIDE RECESSED BRANCH CIRCUIT PANEL P3A:
   120/240V, 1 PH, 3W 100A MLO
   (30) 20A/1P BRANCH CIRCUIT BREAKERS
7. CONNECT NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM PANEL LOCATED IN EXISTING MAIN BUILDING MAIN ELECTRICAL ROOM.
8. VERIFY THE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
9. PROVIDE INTERCONNECTING WIRING BETWEEN BOILERS MOTOR STARTER AND EMERGENCY BOILER CUT-OFF SWITCHES. LOCATE ONE SWITCH AT THE TOP OF THE MECHANICAL MEZZANINE STAIR. LOCATE THE OTHER SWITCH AT THE BOTTOM OF THE MECHANICAL MEZZANINE STAIR NEAR EXTERIOR DOOR. PROVIDE A 20A/1P CIRCUIT FOR EACH BOILER.
10. PROVIDE INTERCONNECTING WIRING BETWEEN OVERHEAD DOOR MOTOR AND CONTROL SWITCH. COORDINATE THE SWITCH LOCATION WITH OWNER PRIOR TO ROUGH-IN.
11. VERIFY THE EXACT LOCATION AND MOUNTING HEIGHTS OF TYPES L3 AND L3A LIGHTS PRIOR TO INSTALLATION.
12. PROVIDE SURFACE DISTRIBUTION PANEL DP2:
    120/208V, 3 PH, 4W 400A MLO
    (1) 100A/2P C.B. PANEL P3A
    (1) 100A/2P C.B. PANEL P3B
    (1) 100A/2P C.B. PANEL P3C
    (1) 30A/3P C.B. BRIDGE CRANE
13. CONNECT THE FEEDER FOR PANEL DP2 TO A SPARE 300A/3P CIRCUIT BREAKER IN THE EXISTING PANEL DP IN THE MAIN ELECTRICAL ROOM.
14. PROVIDE SURFACE BRANCH CIRCUIT PANEL P3B:
    120/240V, 1 PH, 3W 100A MLO
    (20) 20A/1P BRANCH CIRCUIT BREAKERS
15. PROVIDE SURFACE BRANCH CIRCUIT PANEL P3C:
    120/240V, 1 PH, 3W 100A MLO
    (20) 20A/1P BRANCH CIRCUIT BREAKERS
16. PROVIDE FEEDER FOR PANEL P3A CONSISTING OF 3 #2, 1 #8 GND, IN A 1-1/2" CDT. ROUTE FEEDER CONCEALED WITHIN PARTITION.
17. VERIFY HP RATING OF BRIDGE CRANE. PROVIDE A 3-PHASE MOTOR STARING AUTOTRANSFORMER IN A NEMA 1 ENCLOSURE RATED TO BOOST 208V:480V FOR THE BRIDGE CRANE CIRCUIT. INSTALL THE AUTOTRANSFORMER ABOVE PANEL DP2.

PROJECT NOTES | 2

STATE OF MAINE
LAWRENCE E. BARTLETT
No. 7928
LICENSED
PROFESSIONAL ENGINEER
Lawrence E. Bartlett
9/10/14

Bartlett Design
LIGHTING & ELECTRICAL ENGINEERING
942 WASHINGTON STREET, BATH, ME 04530
TEL (207) 443-5447 FAX (207) 443-5560

date drawn:	09/11/14
date issued:	09/11/14
drawn by:	JLC
scale:	As Noted

project: CANAL LANDING BOAT YARD
PORTLAND, MAINE

drawing title: BUILDING PLAN

project no. 13-0049a
revisions:

E2.0
sheet number