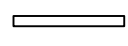







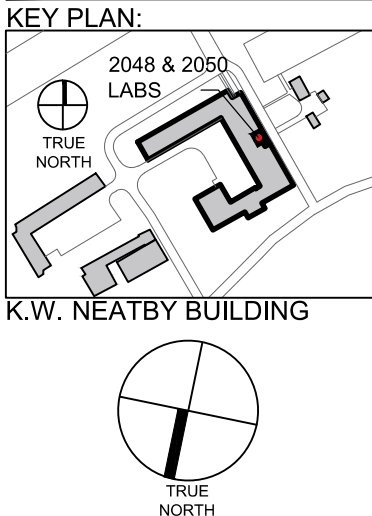


1 POWER PLAN  
E-101 SCALE 1:50

| POWER   |  |
|---|--|
| SYMBOL  | DESCRIPTION  |
|   | 127mm WIDE DUAL CHANNEL ALUMINUM RACEWAY   |
|  | NEMA 5-20R RECEPTACLE  |
|  | NEMA 5-20R RECEPTACLE WITH USB PORT  |
|  | NEMA 5-20R DEDICATED RECEPTACLE  |
|  | SPECIAL RECEPTACLE NEMA L6-30R   |
|   | ELECTRICAL PANEL   |
|  | JUNCTION BOX   |
|  | PENETRATION POINT TO THE RACEWAY INSIDE NEW WALL CAVITY (VERTICAL DROP FROM THE CEILING) |

- GENERAL NOTES:**
1. PROVIDE JUNCTION BOXES INSIDE CEILING FOR POWER AND DATA DISTRIBUTION FOR EACH ISLAND BENCH INSIDE THE VERTICAL CHASE. SERVICE FOR ISLAND BENCHES MUST RUN THROUGH VERTICAL CHASE.
  2. ELECTRICAL DISTRIBUTION SYSTEM IS SINGLE PHASE 240-120V 3 WIRE SYSTEM.
  3. ELECTRICAL PANEL INSTALLATION REQUIRES SCHEDULED POWER SHUTDOWN IN THE BUILDING AFTER REGULAR HOURS.
  4. EXISTING PANEL TUBS MUST REMAIN. CONTRACTOR IS RESPONSIBLE TO RETROFIT THE PANEL BOARDS WITH THE NEW CHASSIS. BOTTOM ENTRANCE CABLE IS REQUIRED.
  5. CONTRACTOR IS RESPONSIBLE TO PROVIDE LABEL FOR RECEPTACLES AND JUNCTION BOXES TO MATCH THE EXISTING BUILDING STANDARD.
  6. ALL RACEWAY HEIGHTS ARE TAKEN FROM THE TOP OF THE FINISHED FLOOR TO THE CENTER OF THE RACEWAY.
  7. ALL INDIVIDUAL RECEPTACLE HEIGHTS ARE TAKEN FROM THE TOP OF THE FINISHED FLOOR TO THE CENTER OF EACH BACK BOX.
  8. PROVIDE STAINLESS STEEL FACEPLATE FOR SWITCHES AND NON-RACEWAY RECEPTACLES.
  9. ALL CIRCUITS MUST HAVE SEPARATE NEUTRAL. MINIMUM WIRE SIZE FOR REGULAR RECEPTACLE HOT AND NEUTRAL SHALL BE:  
#12AWG FOR RUNS UP TO 21M  
#10AWG FOR RUNS IN EXCESS OF 21M  
  
NOTE: ALL SPECIAL 240V RECEPTACLES TO HAVE #10AWG WIRE.
  10. ALL RECEPTACLES LABELED " U.C " ARE TO BE MOUNTED AT 300mm AFF. ALL RECEPTACLES LABELED " O.C " ARE TO BE MOUNTED AT 1125mm AFF.
  11. CIRCUIT LEGEND:  
S: SHARED (UP TO 3)  
D: DEDICATED  
N: NEMA L6-30, 208V
  12. CONTRACTOR MUST ALLOW FOR WIRING AND INSTALLING RECEPTACLES ON THE CASEWORKS. CASEWORK SYSTEM IS NOT SHIPPED PRE-WIRED.

- KEY NOTES:**
1. CONTRACTOR MUST ALLOW FOR THE FOLLOWING CHANGES ON L-203A PANEL.
    - REMOVE FEEDERS AND UN-USED CIRCUITS FROM PANEL.
    - RE-ARRANGE LIVE CIRCUITS ON THE PANEL WITH PROPER LABEL.
    - ALLOW TO RELOCATE UP TO 8 CIRCUITS FROM OLD 2048 AND 2050 PANELS THAT FEED LOADS OTHER THAN THOSE INSIDE ROOMS 2048 AND 2050.  
EXAMPLE: COMPRESSOR IN ROOM 2052 SHUT DOWN COORDINATION WITH THE DEPARTMENT REPRESENTATIVE MIGHT BE REQUIRED.
  2. CONTRACTOR IS TO REMOVE EXISTING INTERIOR AND INSTALL NEW INTERIOR CENTER-TO-CENTER THE EXISTING TUB AND CUSTOM MOUNT INTERIOR SO THAT THE DEPTH OF THE PANEL WILL MOUNT FLUSH WITH THE EXISTING TUB SURFACE. CONTRACTOR IS TO INSTALL NEW CUSTOM CUT TRIM TO FIT EXISTING TUB.
  3. PROVIDE JUNCTION BOX ABOVE THE FUMEHOOD FOR TERMINATION INTO THE FUME HOOD.
  4. REFER TO DRAWING E-501 / DETAIL #3 FOR THE ELEVATION HEIGHT.
  5. RECEPTACLES INSTALLED ON SHAFT AND PERIMETER WALL ARE TO BE SURFACE MOUNT. EXTEND AND PAINT RIGID SURFACE MOUNT CONDUIT FROM THE CLOSEST HOLLOW WALL TO EACH RECEPTACLE BOX.
  6. REPLACE AND TERMINATE THE FOLLOWING FEEDERS WITH 2[3#3/0AWG+4GRD] THROUGH THE EXISTING CONDUITS;
    1. BETWEEN PANEL 2048 AND 3048, APPROXIMATE LENGTH IS 20'
    2. BETWEEN PANEL 2048 AND MAIN BASEMENT FEEDER PANEL. APPROXIMATE LENGTH IS 30'
    3. BETWEEN PANEL 2050 AND 3050, APPROXIMATE LENGTH IS 20'
    4. BETWEEN PANEL 2050 AND MAIN BASEMENT FEEDER PANEL. APPROXIMATE LENGTH IS 30'



| ISSUE | DESCRIPTION            | DATE       |
|-------|------------------------|------------|
| 1     | ISSUE FOR CONSTRUCTION | 05/18/2018 |
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