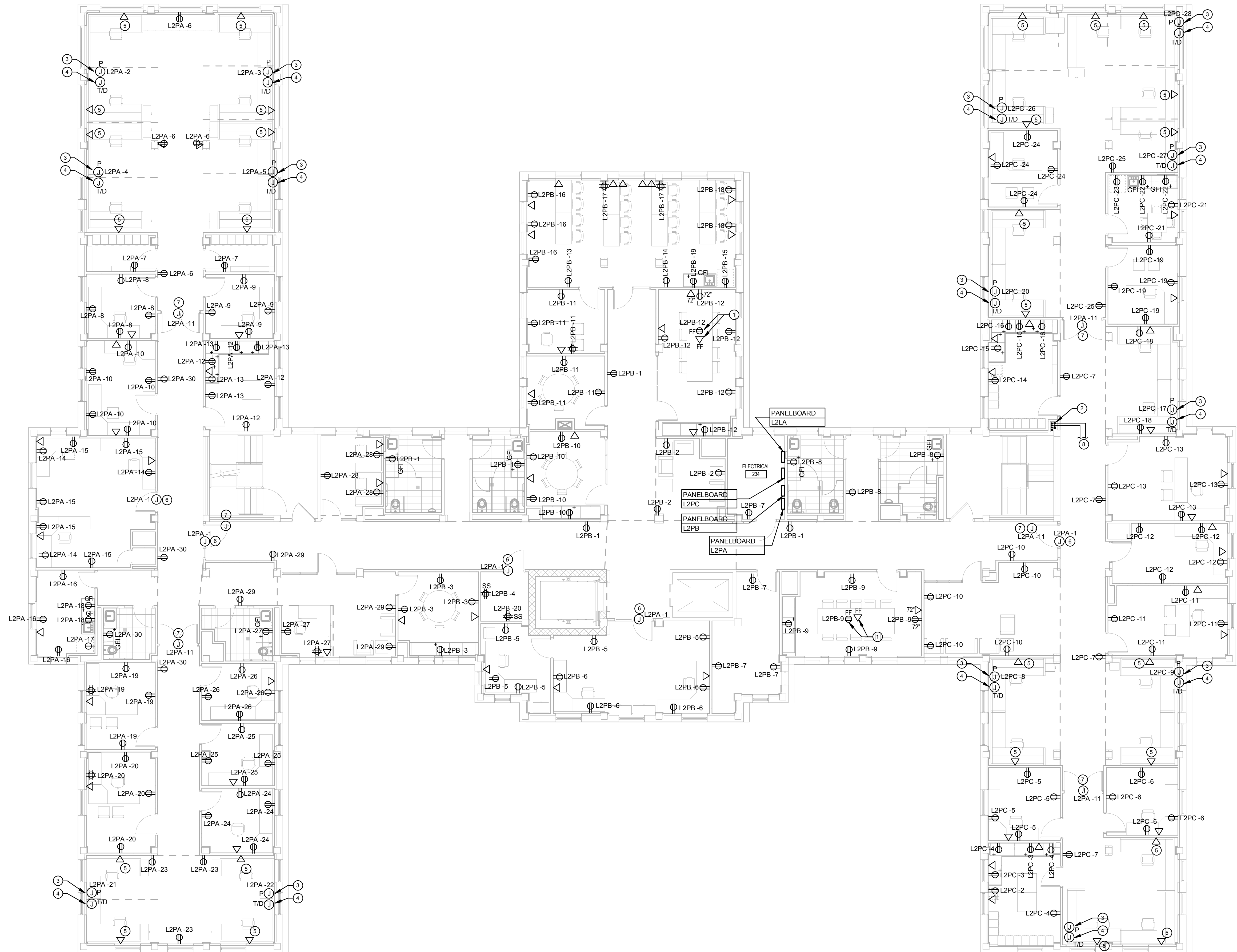


three inches = one foot  
one and one half inch = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



1 POWER & SYSTEMS PLAN - SECOND FLOOR  
1/8" = 1'-0"

ELECTRICAL GENERAL NOTES

1. FINAL LOCATION OF ALL EQUIPMENT SHALL BE DETERMINED IN THE FIELD AND SHALL BE INSTALLED AS DIRECTED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE WHERE STRUCTURAL OPENINGS ARE NOT AVAILABLE. THE CONTRACTOR SHALL CORE DRILL WALLS AND FLOORS AS REQUIRED TO PERMIT PASSAGE OF CONDUITS. THE E.C. SHALL PROVIDE A MARKED-UP PLAN WITH LOCATIONS OF PENETRATIONS FOR REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER BEFORE ROUGH-IN BEGINS.
2. RECEPTACLES FOR ALL EQUIPMENT SHALL BE COMPLETE WITH PLUGS FOR THIS EQUIPMENT. THE E.C. SHALL VERIFY NEMA CONFIGURATION OF PLUGS AND RECEPTACLES FOR EQUIPMENT IN THE SPACE.
3. DURING THE BIDDING PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES (ARCHITECTURAL, SITE/LANDSCAPING, HVAC, PLUMBING AND SPECIALTY TRADES). ALL ITEMS REQUIRING POWER INDICATED ON THESE DRAWINGS BUT NOT INDICATED ON THE ELECTRICAL DRAWINGS SHALL BE CONSIDERED A PART OF THE ELECTRICAL CONTRACTOR'S WORK. THIS WORK SHALL BE INSTALLED AS PER NEC REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MAKE ALL FEEDER RUNS CONTINUOUS (NO CABLE BREAKS). IF SPLICING OF CABLES IN BOXES BECOMES NECESSARY, USE O.Z.G. TYPE "XW" CABLE TAPS, OR APPROVED EQUAL, AND TAPE EACH TAP IN APPROVED MANNER.
5. THE MECHANICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES AND STARTERS FOR ALL OF HIS UNITS. THE E.C. SHALL RECEIVE THESE ITEMS FROM THE M.C. FOR INSTALLATION BY THE E.C.
6. THE E.C. SHALL COORDINATE HIS CONDUIT PENETRATIONS FOR ROOFTOP EQUIPMENT WITH THE M.C. AND ROOFING CONTRACTOR. IF PROVISIONS ARE NOT IN PLACE FOR THESE PENETRATIONS THE E.C. SHALL BE RESPONSIBLE FOR MAKING HIS OWN PENETRATIONS AND CONTRACTING THE ROOF CONTRACTOR FOR SEALING THE ROOF PENETRATIONS.

MECHANICAL EQUIPMENT WIRING NOTES



1. ALL STARTERS AND VFD'S SHALL BE FURNISHED AND INSTALLED BY THE HEATING CONTRACTOR (H.C.), PLUMBING CONTRACTOR (P.C.) OR FIRE PROTECTION CONTRACTOR (F.P.C.). WIRING AND CONDUIT TO/FROM SHALL BE BY THE ELECTRICAL CONTRACTOR (E.C.).
2. ALL LINE VOLTAGE (120 VOLT OR GREATER) WIRING FOR POWER TO EQUIPMENT SHALL BE BY THE E.C.
3. ALL LOW VOLTAGE CONTROL WIRING SHALL BE BY THE H.C., P.C. OR F.P.C., FOR THEIR RESPECTIVE EQUIPMENT.
4. THE E.C. IS RESPONSIBLE FOR POWER WIRING AND CONDUIT FROM THE OVERCURRENT PROTECTION DEVICE TO A LOCAL DISCONNECT (BY E.C. IF REQUIRED) AND THEN TO THE STARTER OR VFD BY THE H.C., P.C. OR F.P.C.
5. THE E.C. IS RESPONSIBLE FOR POWER WIRING AND CONDUIT FROM THE OVERCURRENT PROTECTION DEVICE TO A LOCAL DISCONNECT (BY E.C. IF REQUIRED) AND THEN TO THE STARTER OR VFD BY THE H.C., P.C. OR F.P.C.
6. THE E.C. SHALL VERIFY STUB-UP LOCATIONS WITH THE H.C., P.C. AND F.P.C. FOR ALL EQUIPMENT THAT IS TO BE FED FROM UNDER SLAB CONDUITS.
7. ALL WIRING BETWEEN FACTORY SUPPLIED OPTIONS ON EQUIPMENT SHALL BE BY THE RESPECTIVE CONTRACTOR (H.C., P.C. OR F.P.C.) THE E.C. IS NOT RESPONSIBLE FOR ANY FIELD WIRING.

POWER NUMBERED NOTES

1. PROVIDE POKE THRU DEVICE FOR POWER AND DATA IN FLOOR. ROUTE FEED IN 1ST FLOOR CEILING. PROVIDE 1 1/4" CONDUIT FOR DATA BACK TO DATA CLOSET 204.
2. CONDUIT RISER FOR NEW FEEDERS TO ATTIC PANELS FROM EXISTING SWITCHBOARD 9 IN BASEMENT.
3. 4" SQUARE BACK BOX WITH CIRCUITS INDICATED FOR CONNECTION TO MODULAR FURNITURE WHIPS. (2) WORKSTATIONS SHALL BE ON 1 CIRCUIT.
4. 4" SQUARE BACK BOX FOR TELECOMMUNICATIONS WIRING TO MODULAR FURNITURE. PROVIDE A 1 1/2" CONDUIT TO ABOVE ACCESSIBLE CEILING.
5. DEVICE IS TO BE MOUNTED IN FURNITURE PARTITIONS.
6. JUNCTION BOX FOR POWER CONNECTION TO DOOR SECURITY DEVICE CONTROLLER. COORDINATE LOCATION PRIOR TO ROUGH-IN.
7. JUNCTION BOX FOR POWER CONNECTION TO FIRE ALARM DOOR HOLD OPENERS.
8. TO NEW PANELS L2PA AND L2PB ON THIS FLOOR.



FULLY SPRINKLERED  
BID DOCUMENTS

<b>CONSULTANTS:</b>		<b>ARCHITECTS/ENGINEERS:</b>		<b>Drawing Title</b> POWER & SYSTEMS PLAN - SECOND FLOOR		<b>Project Title</b> BUILDING 9 - SECOND FLOOR RENOVATION		<b>Project Number</b> 542-13-105		<b>Office of Construction and Facilities Management</b>	
				<b>Approved: Project Director</b>		<b>Location:</b> 1400 Blackhorse Hill Road Coatesville, PA 19320		<b>Building Number</b> 9		<b>Drawing Number</b> E202	
<b>Revisions:</b>		<b>Date</b>		<b>Date</b> 05 / 12 / 14		<b>Checked</b> JJD		<b>Drawn</b> JMJ		<b>Dwg. 109 of 125</b>	