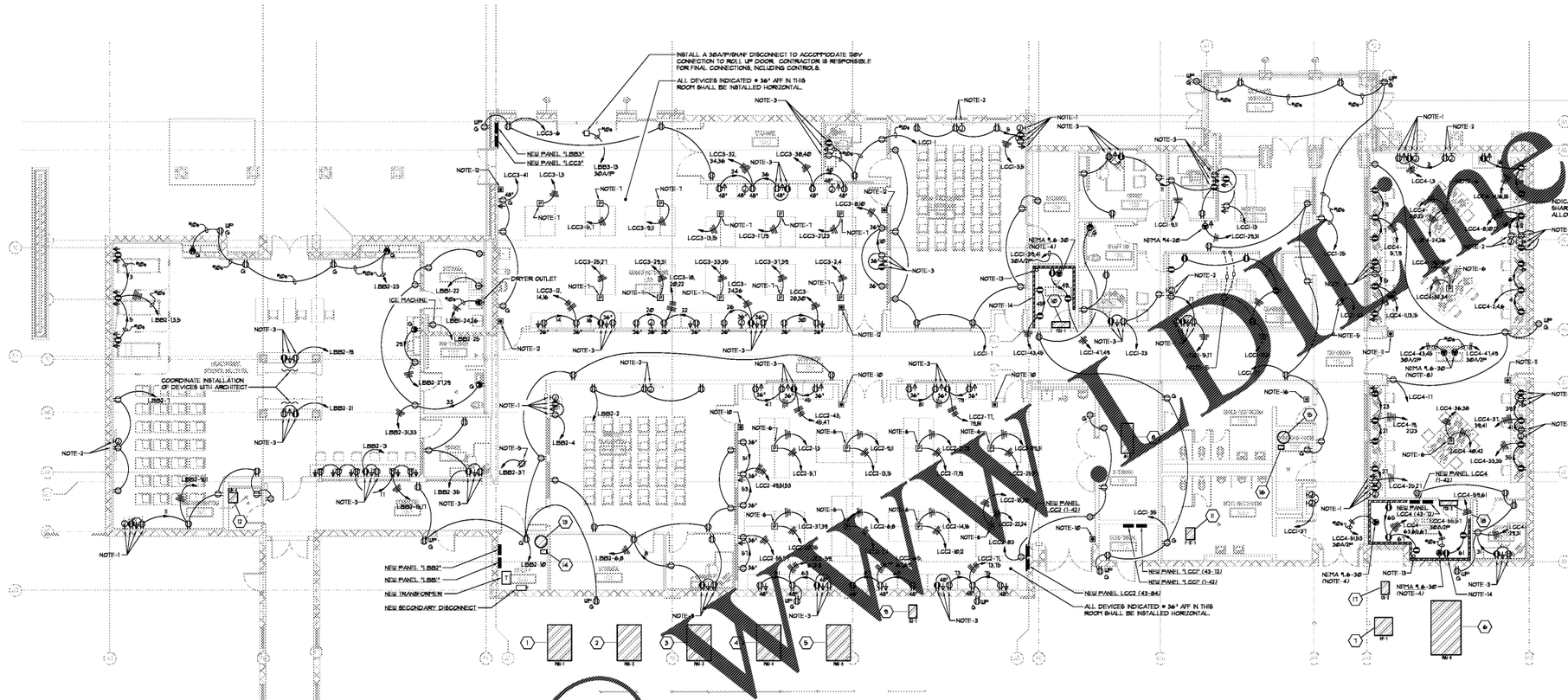



1 / E1.1 FLOOR PLAN - POWER

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

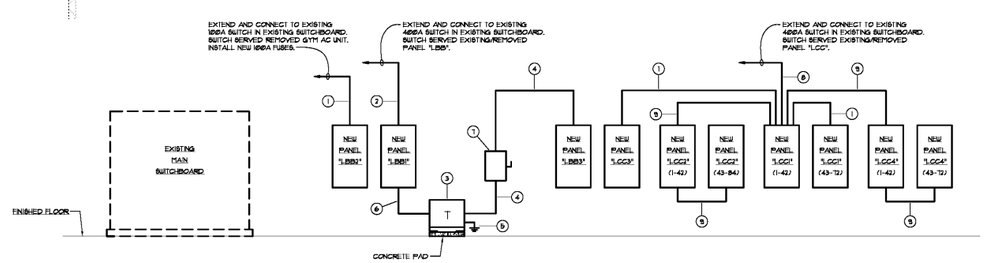
NOTES:

- WALL MOUNTED ELECTRICAL DEVICES SHALL NOT BE INSTALLED BACK-TO-BACK.
- EACH "HOT" SHALL HAVE A DEDICATED NEUTRAL. SHARING OF NEUTRALS IS NOT ALLOWED.

EXISTING MAIN SWITCHBOARD 1600A, 120/208V, 3 PHASE, 4 WIRE

## RISER LEGEND

1. 5 #1 | #6 GROUND - 2" C. (200% NEUTRAL)
2. 4 #500 MCM | #3 GROUND - 3" C.
3. 75 KVA SINGLE PHASE DRY TYPE TRANSFORMER, 208 VOLT PRIMARY, 120/240 VOLT SECONDARY.
4. 3 #1/0 | #6 GROUND - 1 1/2" C.
5. | #6 GROUND - 1/2" C.
6. 2 #1/0 | #6 GROUND - 1 1/2" C.
7. 200A/2P/600V DISCONNECT FUSED @ 125A
8. 5 #500 MCM | #3 GROUND - 3 1/2" C. (200% NEUTRAL)
9. 5 #1/0 | #6 GROUND - 2" C. (200% NEUTRAL)




2 / E1.1 RISER DIAGRAM

NOT TO SCALE

## ELECTRICAL NOTES

1. REFER TO DETAIL 1/E4.1 FOR DEVICES ACCOMMODATING CONTROL STATION.
2. REFER TO DETAIL 2/E4.1 FOR DEVICES ACCOMMODATING AV MONITOR.
3. REFER TO DETAIL 3/E4.1 FOR DEVICES ACCOMMODATING A SWITCHBOX LOCATION.
4. FIELD COORDINATE EXACT LOCATION OF OUTLET WITH OWNER.
5. INSTALL DUPLEX OUTLET ABOVE CEILING TO ACCOMMODATE OWNER INSTALLED DATA SWITCH. FIELD COORDINATE EXACT LOCATION OF OUTLET WITH OWNER REPRESENTATIVE.
6. INSTALL A HUBBELL * PT282AAAAXXXXXRAM14 (BASIS OF DESIGN) POWER POLE. EACH SIDE OF POWER POLE SHALL HAVE TWO (2) 20A RATED DUPLEX OUTLETS, FOR A TOTAL OF FOUR (4) DUPLEX OUTLETS PER POLE. EACH 20A DUPLEX OUTLET SHALL BE ON A DEDICATED CIRCUIT. FIELD COORDINATE EXACT LOCATION OF POWER POLE WITH ARCHITECT.
7. INSTALL A HUBBELL * SP128AAXXXXXXXBA (BASIS OF DESIGN) POWER POLE. POLE SHALL HAVE TWO (2) 20A RATED DUPLEX OUTLETS. EACH OUTLET SHALL BE ON A DEDICATED CIRCUIT. FIELD COORDINATE EXACT LOCATION OF POWER POLE WITH ARCHITECT.
8. INSTALL DEVICES ABOVE CEILING TO ACCOMMODATE POSSIBLE FUTURE DATA RACKS.
9. INSTALL JUNCTION BOX TO ACCOMMODATE FUTURE 240V OUTLET. EXTEND 1"C WITH PULL STRING TO PANEL "LBB3". INSTALL BLANK COVERPLATE.
10. INSTALL A SQUARE "D" No. 9080R PUSH BUTTON WITH EXTENDED GUARD AND K&B HINGED COVER, 48" AFF, TO CONTROL SHUNT TRIP MAIN BREAKER IN PANEL "LCC2".
11. INSTALL A SQUARE "D" NO. 9080R PUSH BUTTON WITH EXTENDED GUARD AND K&B HINGED COVER, 48" AFF, TO CONTROL SHUNT TRIP MAIN BREAKER IN PANEL "LCC4".
12. INSTALL A SQUARE "D" NO. 9080R PUSH BUTTON WITH EXTENDED GUARD AND K&B HINGED COVER, 48" AFF, TO CONTROL SHUNT TRIP MAIN BREAKER IN PANELS "LCC3" AND "LBB3".
13. EXTEND | #6 GROUND - 1/2" C. TO BUILDING GROUND. LEAVE 10'-0" OF COILED SLACK AT BACKBOARD.
14. INSTALL 8' HIGH x 3/4" THICK PAINTED PLYWOOD BACKBOARD ON WALL INDICATED.
15. INSTALL A WIREMOLD * R4154-88 FLUSH FLOOR BOX (BASIS OF DESIGN). INSTALL TWO (2) DUPLEX OUTLETS. INSTALL A FIBTICAL COVER. COORDINATE EXACT LOCATION OF FLOOR BOX WITH ARCHITECT.
16. PER OWNERS INSTRUCTIONS, INSTALL RELAY TO CONTROL RESTROOM EXHAUST FAN. RELAY SHALL BE LOCATED ABOVE CEILING AT ENTRY TO RESTROOM AS SHOWN. RELAYS SHALL BE INSTALLED IN A NEMA ONE ENCLOSURE. COIL OF EACH RELAY SHALL BE CONNECTED TO CORRIDOR 24V VOLT LIGHTING CIRCUIT. FANS SHALL BE ENERGIZED WHEN CORRIDOR LIGHTS ARE ENERGIZED.

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PAULDING COUNTY SCHOOL DISTRICT

FLOOR PLAN - POWER AND RISER DIAGRAM

DATE 08-08-2018

PROJECT NO. 17126

E1.1

PAULDING COUNTY - COLLEGE & CAREER