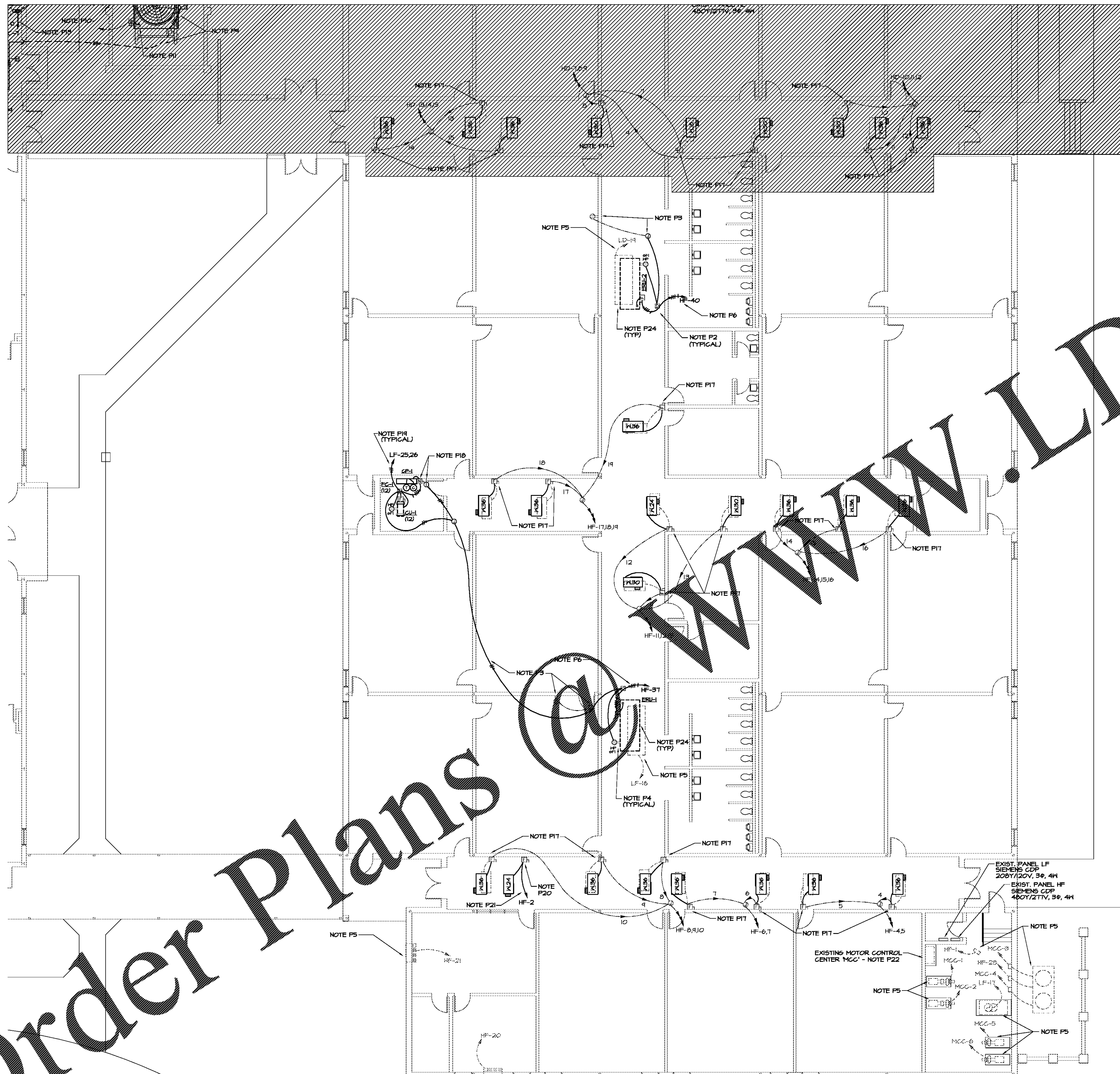


1 / E1.11 PARTIAL FLOOR PLAN - ELEC
1/8"=1'-0"

REFERENCED POWER NOTES: (APPLIES TO SHEETS E1.11-E1.12)

P1. DISCONNECT EXISTING ROOF TOP UNIT TO BE REPLACED (SEE MECH.) AND REMOVE CONDUCTORS AND EXPOSED CONDUIT BACK TO J-BOX INSTALLED ABOVE ACCESSIBLE CEILING. EXTEND CONDUCTORS OF SAME SIZE UP THORUGH NEW PIPE CURB TO UNIT AND CONNECT THROUGH NEW 30/3/20 RT FUSED DISCONNECT AS INDICATED.

P2. FOR ALL ROOF MOUNTED EQUIPMENT W/ PIPE CURB, RUN RIGID STEEL CONDUIT UP THROUGH PIPE CURB FURNISHED UNDER MECHANICAL. SECURE CONDUIT TO STRUCTURE FOR SUPPORT AND RUN FLEXIBLE WATERPROOF CONDUIT FROM RIGID ELL 12 " ABOVE CAP TO UNIT. SEE MECH. EQUIP. LEGEND FOR SWITCH AND CONDUCTOR SIZES WHERE NOT OTHERWISE NOTED.

P3. INTERCEPT EXISTING CONVENIENCE OUTLET RECEPTACLE ABOVE CEILING AND CONNECT NEW ROOFTOP SERVICE RECEPTACLE(S) AND/OR COND. PUMP RECEPTACLE AS INDICATED.

P4. RISE THROUGH PIPE CURB AND INSTALL RECEPTACLE W/ HUBBELL WP26M COVER ON UNIT (NOT ON UNIT DOOR) OR EQUIP. CURB. COORDINATE WITH MECHANICAL. SEE NOTE P2 FOR CONDUIT.

P5. DISCONNECT EXISTING UNIT TO BE REMOVED (SEE MECHANICAL). REMOVE CONDUCTORS AND EXPOSED CONDUIT BACK TO PANEL OR NEXT DEVICE TO REMAIN.

P6. CONNECT TO NEW 30A-3P BREAKER INSTALLED IN EXISTING PANEL SPACE INDICATED.

P7. DISCONNECT EXISTING PUMPS TO BE REPLACED. REMOVE VFD'S, CONDUCTORS, AND CONDUIT BACK TO MCC. MAINTAIN EXISTING 40A-3P BREAKERS THAT SERVED PUMPS P1 & P2 FOR NEW PUMPS. REPLACE EXISTING 25A-3P BREAKERS THAT SERVED PUMPS P3 & P4 WITH NEW 70A-3P BREAKERS FOR NEW PUMPS.

P8. CONNECT NEW PUMPS P1 & P2 THROUGH NEW VFD'S TO 70A-3P BREAKERS INSTALLED IN MCC (SEE NOTE P7). CONNECT NEW PUMPS P3 & P4 THROUGH NEW VFD'S TO EXISTING 40A-3P BREAKERS IN MCC MADE SPARE BY DEMOLITION (SEE NOTE P7). SEE MECH. EQUIPMENT LEGEND FOR CONDUCTOR SIZES.

P9. DISCONNECT EXISTING COOLING TOWER PUMP TO BE REMOVED AND REMOVE CIRCUIT BACK TO PANEL. REMOVE EXISTING 15A-3P BREAKER SERVING REMOVED PUMP AND REPLACE WITH NEW 40A-3P BREAKER. ROUTE NEW CIRCUIT AS INDICATED FROM PUMP TO MCC THROUGH NEW VFD AS SHOWN. CONNECT PUMP TO NEW BREAKER. SEE MECH EQUP. LEGEND FOR FEEDER SIZE.

P10. DISCONNECT EXISTING BASIN HEATER(S) IN COOLING TOWER TO BE REMOVED. RECONNECT TO NEW BASIN HEATER THROUGH NEW DISCONNECT SWITCH AS INDICATED.

P11. DISCONNECT EXISTING 120V CIRCUIT FROM HEAT TAPE AT COOLING TOWER TO BE REMOVED. RECONNECT TO NEW HEAT TAPE AND WATER LEVEL SENSOR (SEE MECHANICAL AND PLUMBING FOR LOCATIONS) THROUGH NEW DISCONNECT AS INDICATED.

P12. CONNECT TO 20A-1P BREAKERS MADE SPARE BY REMOVAL OF OTHER EQUIPMENT.

P13. REPLACE EXISTING 20A-1P SPARE BREAKER WITH NEW 30A-1P BREAKER TO SERVE NEW EH AS SHOWN.

P14. CONNECT TO BUILT-IN DISCONNECT IN UNIT.

P15. DISCONNECT EXISTING EXHAUST FAN TO BE REPLACED. RECONNECT NEW FAN (SEE MECH.) TO EXISTING CIRCUIT. EXTEND CONDUCTORS OF SAME SIZE AS EXISTING AS NECESSARY TO REACH NEW FAN/RELAY CONNECTION POINT.

P16. DISCONNECT EXISTING WATER SOURCE HEAT PUMP TO BE REMOVED. REMOVE SWITCH, CONDUCTORS AND EXPOSED CONDUIT BACK TO PANEL. INSTALL NEW 30A-1P BREAKER IN EXISTING PANEL SPACE AND CONNECT TO NEW UNIT THROUGH NEW FUSED DISCONNECT. SEE MECHANICAL EQUIPMENT LEGEND FOR SWITCH AND CONDUCTOR SIZES.

P17. DISCONNECT EXISTING WATER SOURCE HEAT PUMP TO BE REMOVED (SEE MECH). RECONNECT NEW UNIT TO EXISTING HOMERUN THROUGH EXISTING DISCONNECT. REPLACE FUSE IN DISCONNECT AS NEEDED TO MATCH SIZE INDICATED IN MECH. EQUIPMENT LEGEND.

P18. INSTALL DISCONNECT AND CONNECTION TO CONDENSATE PUMP FOR SPLIT SYSTEM ABOVE CEILING AS SHOWN. COORDINATE EXACT LOCATION WITH MECHANICAL.

P19. DISCONNECT AND REMOVE 20A-1P BREAKERS IN EXISTING PANEL SPACES INDICATED. INSTALL NEW 20A-2P BREAKER IN SPACE CREATED. TURN OVER REMOVED BREAKERS TO OWNER.

P20. INSTALL DISCONNECT ON WALL ABOVE CEILING AS CLOSE TO UNIT CONNECTION LOCATION AS POSSIBLE, BUT OUT OF UNIT ACCESS SPACE. SEE MECHANICAL EQUIPMENT LEGEND FOR SWITCH AND CONDUCTOR SIZES.

P21. CONNECT TO EXISTING 20A-1P BREAKER IN PANEL SPACE INDICATED.

P22. DISCONNECT AND REMOVE EXISTING MCC AFTER ALL CIRCUITS HAVE BEEN REMOVED. TURN OVER ANY GEAR/COTNROLLERS TO OWNER AS REQUESTED. DISPOSE OF ALL OTHER EQUIPMENT.

P23. RECEPTACLE FOR TRANSFORMER FURNISHED BY MECHANICAL. MOUNT ON WALL 12" ABOVE CEILING.

P24. IN AREA WHERE NEW ERU WILL BE INSTALLED, RELOCATION OF EXISTING CONDUITS MAY BE REQUIRED. CONTRACTOR SHOULD ACCOUNT FOR RE-ROUTING ONE LARGE (2-1/2" OR SMALLER) AND FOUR (1" OR SMALLER) CONDUITS AND WIRE TO AVOID NEW EQUIPMENT, CLEARANCE REQUIREMENTS, AND DUCTWORK. COORDINATE NEW ROUTING WITH HVAC CONTRACTOR.

P25. CONNECT TO NEW 20A-1P BREAKER INSTALLED IN EXISTING PANEL INDICATED.

GENERAL NOTES:

A. EXISTING CIRCUITING AND DEVICE LOCATIONS SHOWN ARE TAKEN FROM EXISTING BUILDING PLANS. VERIFY LOCATIONS IN FIELD BEFORE STARTING WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES THAT WOULD HINDER COMPLETION OF WORK BEFORE WORK IS BEGUN.

B. ALL EXISTING LIGHTING FIXTURES, DEVICES, CONDUIT AND CONDUCTORS SHALL REMAIN IN AREAS WHERE NO WORK IS SHOWN.

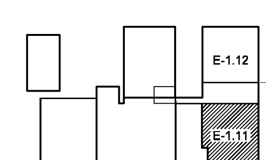
C. THE CONTRACTOR SHALL REMOVE EXISTING CEILING TILES, GRID AND/OR
D. LIGHTS AS NECESSARY TO INSTALL WORK SHOWN ON THE DRAWINGS AND THEN REPLACE THEM WHEN THE WORK IS COMPLETE. ANY ITEMS BROKEN BY THE CONTRACTOR SHALL BE REPLACED WITH NEW ITEMS THAT MATCH EXISTING. IF NEW TILES DO NOT MATCH EXISTING THE CONTRACTOR SHALL INSTALL ALL NEW TILES IN ONE OR MORE ROOMS AND USE THE OLD TILES
E. FOR REPLACEMENT THROUGHOUT THE BUILDING.

ALL PENETRATIONS THROUGH FIRE WALLS AND RATED FLOOR SLABS SHALL BE FIRE STOPPED WITH 3M FIRE BARRIER OR EQUAL PRODUCT MEETING UL 1479 OR ASTM E814 FIRE RATING IN ACCORDANCE WITH ARTICLE 300-21 OF THE NATIONAL ELECTRICAL CODE.

F.

ALL AREAS OF BUILDING EXCEPT CORRIDORS HAVE RETURN AIR PLENUMS ABOVE CEILINGS. ALL MATERIALS WITHIN PLENUMS ARE REQUIRED TO BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E84.

WHERE CEILINGS ARE TO BE REPLACED/MODIFIED, SUSPEND EXISTING LIGHT FIXTURES AND LOW VOLTAGE DEVICES UP AT STRUCTURE DURING RENOVATION. REINSTALL DEVICES IN NEW CEILING IN APPROXIMATELY SAME LOCATION. SEE ARCHITECTURAL PLANS AND COORDINATE WITH GENERAL AND HVAC CONTRACTORS FOR AREAS TO HAVE CEILINGS REPLACED/MODIFIED.



KEY PLAN
NO SCALE

1823

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400 Galleria, Suite 100 • Atlanta, Georgia 30339 Phone: 404.733.5493 Fax: 404.733.6804
CGLS ARCHITECTS

RELEASED FOR CONSTRUCTION

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2970 Clairmont Rd., Suite 620
Atlanta, GA 30329
P: 404.633.0245
F: 404.633.1756

SEAL
GEORGIA REGISTERED PROFESSIONAL ENGINEER

DATE	NO.	DESCRIPTION
10/11/18		GDOE FINAL SUBMITTAL
10/29/18		ISSUE FOR BID

FIVE FORKS MIDDLE SCHOOL
HVAC & ROOFING RENOVATIONS
FACILITY NO. 667-0279
3250 River Drive, Lawrenceville, GA 30044
GWINNETT COUNTY SCHOOL DISTRICT

SHEET TITLE
PARTIAL FLOOR PLAN - ELEC

PROJECT NO. 18007.02

DATE OCTOBER 11, 2018

DRAWN BY: G.L.K.
CHECKED BY: G.L.K.

SHEET NO.
E-1.11