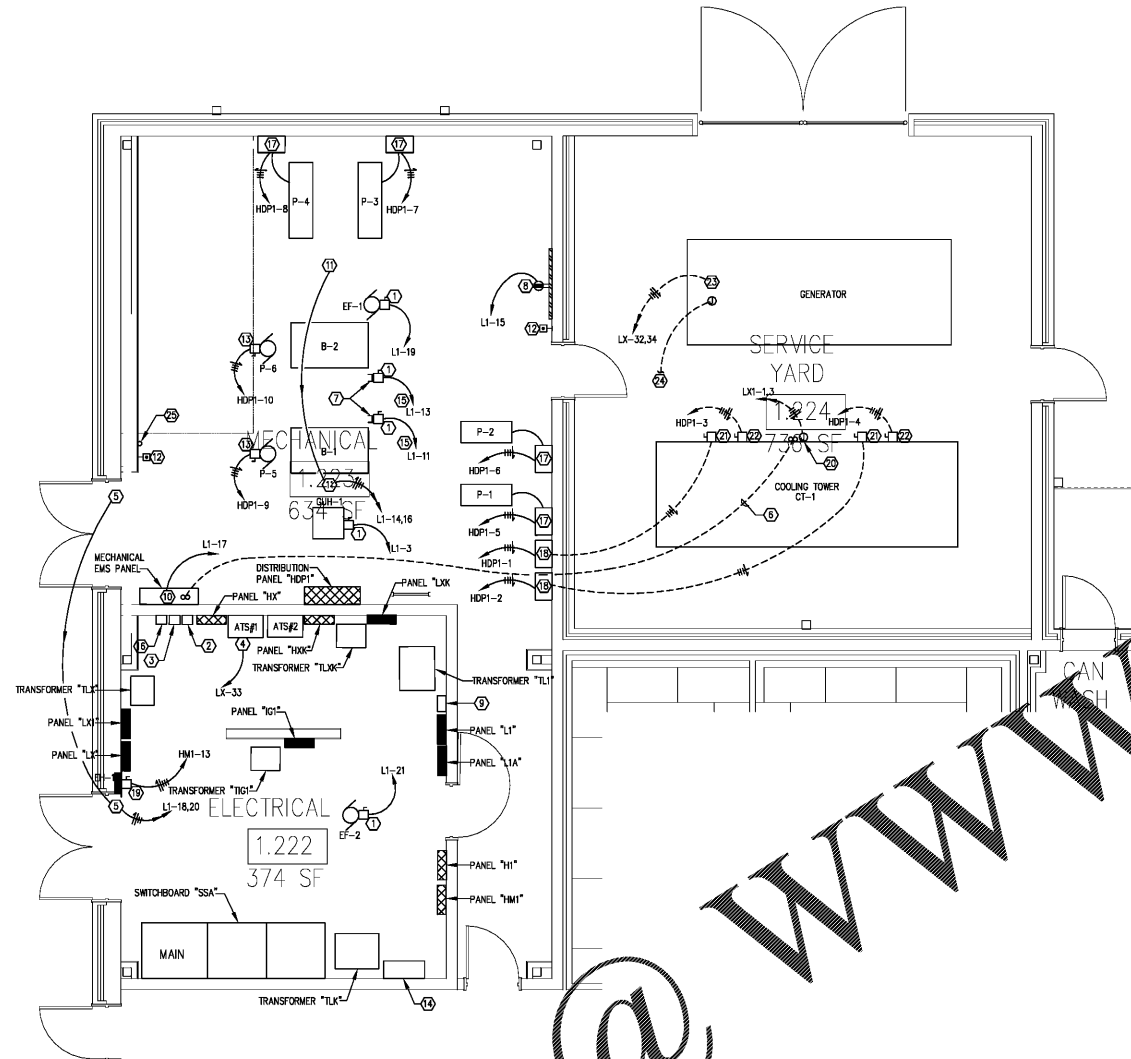


Order Plans @



NOTES:

1. PROVIDE FUSES IN ALL DISCONNECT SWITCHES SERVING MECHANICAL EQUIPMENT AND INDICATED AS "FUSE". FUSES SHALL BE SIZED PER THE MAXIMUM FUSE SIZE RATING IN THE NAMEPLATE DATA.
2. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
3. ALL MECHANICAL EQUIPMENT WILL BE PROVIDED WITH STARTERS (OR DRIVES) WHICH ARE PROVIDED BY THE MECHANICAL CONTRACTOR. STARTERS WILL BE PROVIDED WITH INTEGRAL DISCONNECT SWITCHES. COORDINATE STARTER LOCATIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. ROUTE THE FEEDERS FROM THE DISCONNECTING STARTERS TO THE EQUIPMENT AND MAKE CONNECTION.
4. CONDUITS SERVING PUMPS SHALL BE ROUTED FROM THE STARTERS/DRIVES IN THE SLAB AND TURNED UP AT THE PUMPS. THEY SHALL NOT BE ROUTED ACROSS THE FLOOR.

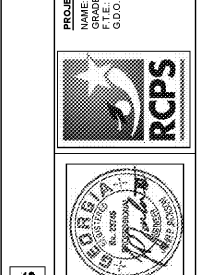
KEYNOTES:

1. 30A/1P/FUSE DISCONNECT SWITCH.
2. EMERGENCY LIGHTING CONTACTOR C-1. SEE CONTROL DIAGRAM, SHEET ES-01. CONTACTOR SHALL BE 12-POLE E.O.M.H., AND SHALL BE PROVIDED WITH A COVER MOUNTED H-O-A SWITCH. PROVIDE ENGRAVED LABEL ON CONTACTOR WITH 3/8" TEXT READING "EMERGENCY LIGHTING CONTACTOR".
3. EMERGENCY DOWNLIGHT CONTACTOR CE-2. SEE CONTROL DIAGRAM, SHEET ES-01. CONTACTOR SHALL BE 12-POLE E.O.M.H., AND SHALL BE PROVIDED WITH A COVER MOUNTED H-O-A SWITCH. CONTROL SHALL BE BY AUXILIARY CONTACTS IN THE ATS SUCH THAT THE SWITCH IS NORMALLY OFF, BUT CLOSURE WHEN THE GENERATOR IS RUNNING. PROVIDE ENGRAVED LABEL ON CONTACTOR WITH 3/8" TEXT READING "EMERGENCY DOWNLIGHT CONTACTOR".
4. MAKE CONNECTION TO GENERATOR BLOCK HEATER MOUNTED IN THE BOTTOM OF THE ATS ENCLOSURE.
5. PROVIDE SINGLE POLE MANUAL STARTER AND MAKE CONNECTION TO LOUVER ABOVE THE DOOR.
6. PROVIDE (2) 1" ECG W/ PULL WIRES FROM THE MAIN MECHANICAL ROOM OUT TO THE COOLING TOWER FOR USE BY THE MECHANICAL CONTRACTOR. COORDINATE STUB UP LOCATIONS IN THE MECHANICAL ROOM AND AT THE COOLING TOWER WITH THE MECHANICAL CONTRACTOR.
7. PROVIDE GALVANIZED STEEL CHANNEL ANCHORED TO THE FLOOR FOR SUPPORT OF DISCONNECT SWITCHES.
8. OUTLET FOR OWNER-PROVIDED CHEMICAL TREATMENT SYSTEM. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
9. BOILER SHUT-OFF CONTACTOR C-B. CONTACTOR SHALL BE 2-POLE, E.O.M.H., AND SHALL BE CONTROLLED BY THE TWO EMERGENCY PUSH BUTTONS INDICATED IN KEYNOTE 12. PROVIDE AN ENGRAVED LABEL ON CONTACTOR WITH 3/8" TEXT READING "BOILER SHUT-OFF CONTACTOR".
10. MAKE CONNECTION TO MECHANICAL EMS PANEL.
11. PROVIDE 16' COIL OF SPARE CONDUCTORS IN JUNCTION BOX AT STRUCTURE FOR USE BY THE MECHANICAL CONTROLS CONTRACTOR. COORDINATE JUNCTION BOX LOCATIONS WITH CONTROLS CONTRACTOR.
12. PROVIDE RED ILLUMINATED MUSHROOM TYPE PUSH BUTTON FOR EMERGENCY STOP OF BOILERS B-1 AND B-2. ROUTE CONTROL WIRING IN CONDUIT TO THE BOILER SHUT-OFF CONTACTOR, C-B, ADJACENT TO PANEL "L1" (SEE KEYNOTE 9). PROVIDE ENGRAVED LABEL WALL MOUNTED ABOVE THE PUSH BUTTON WITH 3/8" TEXT READING "BOILER SHUT-OFF". BOILER SHUT-OFF CONTACTOR SHALL BE CONTROLLED FROM BOTH EMERGENCY PUSH BUTTON LOCATIONS INDICATED.
13. 30A/3P/FUSE DISCONNECT SWITCH MOUNTED AT STRUCTURE FOR BOILER PUMP.
14. DISCONNECT SWITCH AT LOAD SIDE OF TRANSFORMER "TLX". SEE RISER DIAGRAM.
15. ROUTE HOMERUN THROUGH BOILER SHUT-OFF CONTACTOR, C-B, ADJACENT TO PANEL "L1". SEE KEYNOTE 9.
16. EXTERIOR LIGHTING CONTACTOR CO-1E. SEE CONTROL DIAGRAM, SHEET ES-01. CONTACTOR SHALL BE 8-POLE, E.O.M.H., AND SHALL BE PROVIDED WITH A COVER MOUNTED H-O-A SWITCH. PROVIDE ENGRAVED LABEL ON THE CONTACTOR WITH 3/8" TEXT READING "EXTERIOR LIGHTING".
17. VFD (STARTER) WITH BUILT-IN DISCONNECT SWITCH BY MECHANICAL CONTRACTOR. SEE NOTE 3.
18. 2-SPEED STARTERS BY MECHANICAL CONTRACTOR FOR COOLING TOWER FANS. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. ROUTE FEEDERS FROM PANEL "HDP1" THROUGH THE STARTERS, AND OUT TO THE DISCONNECT SWITCHES AT THE COOLING TOWER.
19. PROVIDE 30A/1P/FUSE DISCONNECT SWITCH MOUNTED HIGH ON WALL. ROUTE FEEDER IN WALL DOWN TO ELECTRIC HEATER AND MAKE CONNECTION.
20. MAKE CONNECTION TO HEAT TAPE CIRCUITS.
21. 30A/3P/FUSE/RT DISCONNECT SWITCH FOR COOLING TOWER FAN. ROUTE FEEDER FROM THE LINE SIDE OF THE DISCONNECT SWITCH THROUGH THE VFD ON THE EXTERIOR WALL (KEYNOTE 18), AND EXTEND TO THE PANEL.
22. 30A/3P/FUSE/RT DISCONNECT SWITCH FOR COOLING TOWER BASIN HEATER.
23. MAKE CONNECTION TO GENERATOR BLOCK HEATER AND CONTROL PANEL.
24. ROUTE CONTROL WIRING IN 1" CONDUIT FROM THE GENERATOR CONTROL PANEL TO ATS #1 IN ELECTRICAL ROOM 1.222.
25. INCOMING 1" CONDUIT FROM LFT STATION ON SITE FOR MONITORING OF LFT STATION ALARM. SEE SITE PLAN, SHEET E1-00. STUB CONDUIT UP TO 6" AFF, CAP, AND LABEL "LFT STATION".

REV. NO.	DATE	REVISIONS / PRINTED
06/16/19	0000	Check Set
10/01/19	0000	ISSUED FOR BID/PERMIT/ADDC

INSTRUCTIONAL UNITS	REGULAR CLASSROOMS	PAIRED FLEX AREAS	MUSICAL EDUCATION	MEDIA CENTER	ISSUED FOR BID/PERMIT/ADDC	TOTAL
45	2	1	1	1	1	51

BUILDING AREA	7.1.452 SF	7.1.453 SF	7.1.454 SF	7.1.455 SF	7.1.456 SF	7.1.457 SF	7.1.458 SF	7.1.459 SF	7.1.460 SF	7.1.461 SF	7.1.462 SF	7.1.463 SF	7.1.464 SF	7.1.465 SF	7.1.466 SF	7.1.467 SF	7.1.468 SF	7.1.469 SF	7.1.470 SF	7.1.471 SF	7.1.472 SF	7.1.473 SF	7.1.474 SF	7.1.475 SF	7.1.476 SF	7.1.477 SF	7.1.478 SF	7.1.479 SF	7.1.480 SF	7.1.481 SF	7.1.482 SF	7.1.483 SF	7.1.484 SF	7.1.485 SF	7.1.486 SF	7.1.487 SF	7.1.488 SF	7.1.489 SF	7.1.490 SF	7.1.491 SF	7.1.492 SF	7.1.493 SF	7.1.494 SF	7.1.495 SF	7.1.496 SF	7.1.497 SF	7.1.498 SF	7.1.499 SF	7.1.500 SF
LEVEL 01	71,452	71,453	71,454	71,455	71,456	71,457	71,458	71,459	71,460	71,461	71,462	71,463	71,464	71,465	71,466	71,467	71,468	71,469	71,470	71,471	71,472	71,473	71,474	71,475	71,476	71,477	71,478	71,479	71,480	71,481	71,482	71,483	71,484	71,485	71,486	71,487	71,488	71,489	71,490	71,491	71,492	71,493	71,494	71,495	71,496	71,497	71,498	71,499	71,500



PROJECT SUMMARY  
 NAME: J.H. HOUSE ELEMENTARY SCHOOL  
 GRADES: PREK THRU 5TH  
 LOCATION: G.D.C.E. # TO BE ASSIGNED

Smallwood, Reynolds, Stewart & Associates, Inc. Architects  
**MECHANICAL AND ELECTRICAL ROOMS**  
 J.H. HOUSE ELEMENTARY SCHOOL  
 3100 Zingara Road NE, Conyers, GA 30012  
 DATE: 10-01-2019  
 JOB NO: 218036.00  
 SHEET NO: E4-01  
 ISSUED FOR CONSTRUCTION