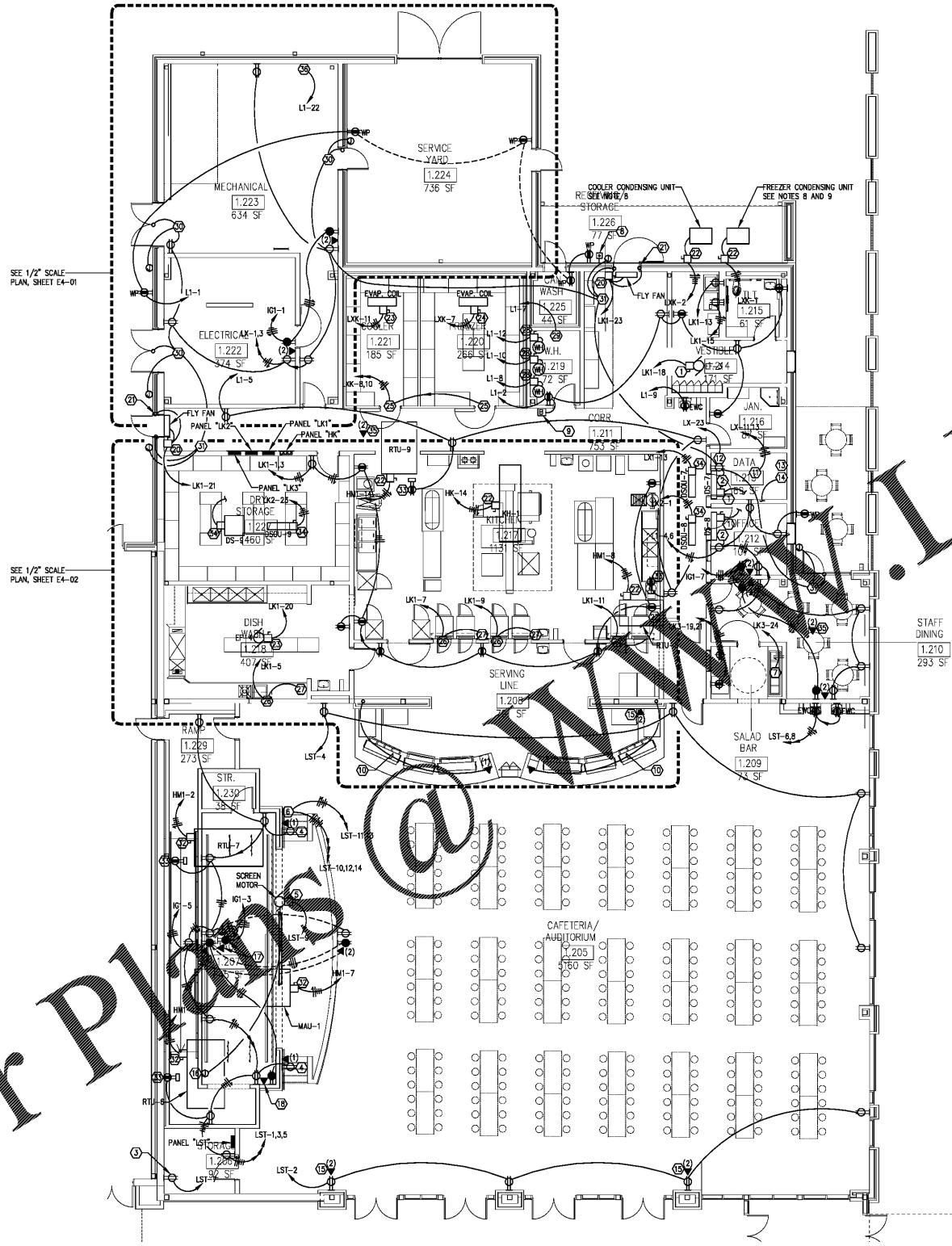


Order Plans @ plans@ldonline.com



1 LEVEL 01 PART D - POWER/SIGNAL PLAN
E1-01.D 1/8" = 1'-0"

NOTES:

- 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.
- COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- ALL CONDUITS ROUTED IN CORRIDOR CEILING SPACE SHALL BE ROUTED ABOVE MECHANICAL EQUIPMENT, AND OUT OF THE UNIT ACCESS SPACES.
- CONDUITS SERVING MECHANICAL EQUIPMENT IN THE CEILING SPACE SHALL BE ROUTED FROM THE LOAD SIDE OF THE DISCONNECT SWITCH UP TO STRUCTURE AND ACROSS TO ABOVE THE MECHANICAL EQUIPMENT WITH A FLEXIBLE CONNECTION DOWN TO THE UNIT.
- REFER TO MECHANICAL PLANS FOR LOCATIONS OF THERMOSTATS. PROVIDE A SINGLE GANG BOX AT EACH LOCATION, EITHER HORIZONTALLY OR VERTICALLY MOUNTED AS DIRECTED BY THE CONTROLS CONTRACTOR. ROUTE 1/2" CONDUIT WITH PULL WIRE FROM THE BOX TO THE UNIT BEING CONTROLLED BY THE THERMOSTAT (AS INDICATED ON THE MECHANICAL PLANS).
- ALL GENERAL PURPOSE OUTLETS IN THE KITCHEN, SERVING, AND DISH WASH AREAS SHALL BE INSTALLED AT 24" AFF, AND SHALL BE PROVIDED WITH WEATHER PROOF COVER PLATES.
- DATA CABLING ROUTED TO THE MDF OR DATA CLOSETS SHALL BE LEFT WITH A 30-FOOT SERVICE LOOP AT STRUCTURE. LABEL EACH END OF EACH CABLE WITH PRE-PRINTED VINYL LABELS, BRADY OR EQUAL, USING A NUMBERING OR LABELING SCHEME DETERMINED BY THE OWNER.
- COORDINATE EXACT LOCATIONS OF COOLER AND FREEZER CONDENSING UNITS AND EVAPORATOR COILS WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- VERIFY THE ELECTRICAL REQUIREMENTS FOR THE WALK-IN FREEZER CONDENSING UNIT AND EVAPORATOR COIL WITH THE EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
- SEAL THE INTERIOR OF ALL CONDUITS PENETRATING THE COOLER AND FREEZER.
- WHERE DEVICES ARE SHOWN GROUPED TOGETHER ON A PANEL, THEY SHALL BE INSTALLED GROUPED TOGETHER.

KEYNOTES:

- PROVIDE A 30A/1P FUSE DISCONNECT SWITCH MOUNTED HIGH ON THE WALL OR ABOVE THE CEILING. ROUTE CONDUIT DOWN IN WALL AND MAKE CONNECTION TO THE DUCTLESS SPLIT FAN COIL UNIT. FAN SHALL BE POWERED FROM THE 200V HEAT PUMP (DISC). ROUTE #12 CONDUCTORS AS DIRECTED BY THE MANUFACTURER. ROUTE 1/2" CONDUIT TO THE ASSOCIATED DUCTLESS SPLIT OUTDOOR UNIT.
- ROUTE WALK-IN CONDENSING UNIT WALL FROM THE OUTLET TO A SINGLE POLE MANUAL STARTER ADJACENT TO THE DUCTLESS SPLIT FAN COIL UNIT. EXTEND CIRCUIT FROM THE LOAD SIDE OF THE MANUAL STARTER TO MAKE CONNECTION TO THE CONDENSATE PUMP.
- PROVIDE OUTLET FOR CAFETERIA PA SYSTEM. COORDINATE MOUNTING HEIGHT WITH THE PA SYSTEM MANUFACTURER PRIOR TO ROUGH-IN.
- MOUNT RECEPTACLE AND DATA JACK AT 10'-0" ABOVE THE STAGE FOR DISPLAY SCREEN.
- PROVIDE 30A/1P FUSE DISCONNECT SWITCH AND MAKE CONNECTION TO MOTORIZED SCREEN. ROUTE CONTROL WIRING AS REQUIRED BY THE SCREEN MANUFACTURER TO A SINGLE GANG DEVICE BOX INDICATED IN KEYNOTE 16. SCREEN UP/STOP/DOWN CONTROLLER TO BE PROVIDED WITH THE SCREEN.
- PROVIDE A 6"x6"x4" JUNCTION BOX WALL MOUNTED AT STRUCTURE FOR FUTURE THEATRICAL STAGE LIGHTING. PROVIDE (5) CIRCUITS IN THE BOX, EACH WITH A DEDICATED NEUTRAL CONDUCTOR. COIL 18" LENGTH OF EACH CONDUCTOR IN THE BOX FOR FUTURE USE AND CAP THE ENDS OF EACH CONDUCTOR WITH A WIRE NUT. LEAVE THE CIRCUIT BREAKERS IN THE "OFF" POSITION. ROUTE HOMERUNS TO PANEL "LST" IN TWO SEPARATE CONDUITS AS INDICATED.
- PROVIDE 20A, 125/250V OUTLET FOR THE SALAD BAR. COORDINATE OUTLET CONFIGURATION, MOUNTING HEIGHT, AND LOCATION WITH THE EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
- PROVIDE DOOR BELL PUSH BUTTON. ROUTE SIGNAL WIRING IN 1/2" CONDUIT TO THE CHIME INDICATED BY KEYNOTE 9.
- DOOR BELL CHIME.
- ROUTE DATA CABLING IN 1" CONDUIT CONCEALED IN THE SERVING LINE EQUIPMENT FROM THE CASHIER STATION TO THE WALL. STUB UP IN THE WALL TO ABOVE CEILING AND EXTEND THE CAT TO CABLING TO DATA ROOM 1.213.
- PROVIDE TWO CIRCUITS, EACH WITH A DEDICATED NEUTRAL CONDUCTOR, FOR USE BY THE OWNER'S DATA INSTALLERS. PROVIDE ALLOWANCE IN BID TO EXTEND AND TERMINATE THE CIRCUITS AS DIRECTED BY THE DATA INSTALLERS.
- MAKE CONNECTION TO WALL MOUNTED INTERCOM RACK. PROVIDE RECEPTACLE AT RACK HEIGHT OR HARD-WIRED CONNECTION AS REQUIRED.
- PROVIDE 8-FOOT COIL OF #8 COPPER GROUND WIRE AT THE FLOOR IN THE MDF AND DATA ROOMS. EXTEND CONDUCTOR IN 1/2" CONDUIT UP TO STRUCTURE AND BOND.
- PROVIDE 6-STRAND SINGLE MODE, 10-GIG PLENUM RATED FIBER CABLE FROM THE DATA ROOM TO MDF 1.218. ROUTE CABLE IN 1" CONDUIT INSTALLED IN THE SLAB. PROVIDE A 30-FOOT SERVICE LOOP AT EACH END OF THE CABLE FOR USE BY THE OWNER'S DATA INSTALLER.
- PROVIDE TWO SIX-FOOT COILS OF CAT 6E DATA CABLING IN A SINGLE GANG BOX MOUNTED AT 10'-0" AFF FOR WIRELESS ACCESS POINT.
- SINGLE GANG DEVICE BOX MOUNTED AT 48" AFF FOR SCREEN CONTROLLER.
- PROVIDE ISOLATED GROUND RECEPTACLE AND A/V INPUT BOX MOUNTED HIGH ON WALL FOR PROJECTOR. COORDINATE MOUNTING HEIGHT WITH THE OWNER PRIOR TO ROUGH-IN. A/V INPUT BOX SHALL BE 2-GANG WITH A SINGLE GANG MUD RING. PROVIDE ONE DATA JACK AND ONE FEMALE HDMI JACK IN THE A/V BOX. ROUTE CAT 6E CABLE IN 3/4" CONDUIT FROM THE DATA JACK TO DATA 1.213. ROUTE HDMI CABLE IN 1" CONDUIT TO THE HDMI OUTLET INDICATED IN KEYNOTE 18.
- 2-GANG DEVICE BOX WITH SINGLE GANG MUD RING AND FEMALE HDMI JACK FOR A/V INPUT TO THE STAGE PROJECTOR. SEE KEYNOTE 17.
- PROVIDE A SINGLE GANG DEVICE BOX MOUNTED ADJACENT TO THE PROJECTOR OUTLETS INDICATED IN KEYNOTE 17 FOR SOUND INPUT FROM THE CAFETERIA PA RACK. ROUTE SOUND CABLING IN 1" CONDUIT TO THE RACK LOCATED IN STORAGE 1.206.
- 30A/1P FUSE DISCONNECT SWITCH MOUNTED HIGH ON WALL FOR FLY FAN.
- DOWN TO DOOR SWITCH FOR FLY FAN OPERATION.
- 30A/3P FUSE/R1 DISCONNECT SWITCH.
- 30A/1P FUSE/R1 DISCONNECT SWITCH.
- 30A/2P FUSE/R1 DISCONNECT SWITCH.
- MAKE CONNECTION TO WALK-IN UNIT LIGHTS AND DOOR HEATER.
- PROVIDE SINGLE POLE MANUAL STARTER ABOVE THE CEILING AND MAKE CONNECTION TO MOTORIZED SHUTTER MOTOR. ROUTE CONTROL WIRING (AS DIRECTED BY THE SHUTTER MANUFACTURER) IN 1/2" CONDUIT FROM THE MOTOR DOWN TO A SINGLE GANG DEVICE BOX (KEYNOTE 27) FOR INSTALLATION OF THE SHUTTER CONTROL PUSH BUTTON PROVIDED WITH THE SHUTTER. COORDINATE INSTALLATION WITH THE SHUTTER INSTALLER PRIOR TO ROUGH-IN.
- FLUSH MOUNTED SINGLE GANG DEVICE BOX FOR INSTALLATION OF THE SHUTTER CONTROL PUSH BUTTON. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 30A/1P FUSE DISCONNECT SWITCH.
- PROVIDE SINGLE POLE MANUAL STARTER AND MAKE CONNECTION TO CIRCULATING PUMP.
- PROVIDE JUNCTION BOX FOR POWER TO THE CARD READER CONTROLLER. COORDINATE LOCATION WITH CARD READER INSTALLER PRIOR TO ROUGH-IN. ROUTE 3/4" CONDUIT DOWN TO A SINGLE GANG DEVICE BOX FLUSH MOUNTED ON THE EXTERIOR WALL FOR THE SCANNER. ROUTE A SECOND 3/4" CONDUIT INTO THE DOOR FRAME FOR LATCH RELEASE.
- PROVIDE JUNCTION BOX ABOVE THE CEILING FOR POWER TO THE CARD READER CONTROLLER. ROUTE 3/4" CONDUIT DOWN TO A SINGLE GANG DEVICE BOX FLUSH MOUNTED ON THE EXTERIOR WALL FOR THE SCANNER. ROUTE A SECOND 3/4" CONDUIT INTO THE DOOR FRAME FOR LATCH RELEASE.
- 80A/3P FUSE/R1 DISCONNECT SWITCH.
- PROVIDE DUPLEX GFCI OUTLET WITH WEATHER PROOF COVER PEDESTAL MOUNTED ADJACENT TO THE ROOF TOP EQUIPMENT.
- 30A/2P FUSE/R1 DISCONNECT SWITCH.
- PROVIDE TWO 12-FOOT COILS OF CAT 6E DATA CABLING IN A 6"x6" BOX AT STRUCTURE FOR OWNER'S CONNECTION TO WIRELESS ACCESS POINT. PROVIDE BOX WITH 3/4" BUSHED OPENING FOR ROUTING CABLING TO ANTENNA.
- PROVIDE SINGLE POLE MANUAL STARTER AND MAKE CONNECTION TO TRAP PRIMER DISTRIBUTION UNIT. COORDINATE LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.

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

INSTRUMENTAL UNITS	REVISIONS / PRINTED
REGULAR CLASSROOMS	46
PAIRED FLEX AREAS	2
MUSICAL EDUCATION	1
MEDIA CENTER	1
ART	51
TOTAL	101

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

BUILDING AREA
 LEVEL 01
 TOTAL: 71,452 SF
 COVERED AREAS (LEADERSHIP CENTER)
 TOTAL: 5,180 SF

RCPS

Smallwood, Reynolds, Stewart & Associates, Inc. Architects

LEVEL 01 PART D - POWER/SIGNAL PLAN

J.H. HOUSE ELEMENTARY SCHOOL
 3100 Zingara Road NE, Conyers, GA 30012

DATE: 10-01-2019
 JOB NO: 218036.00
 SHEET NO: E1-01.D

ISSUED FOR CONSTRUCTION