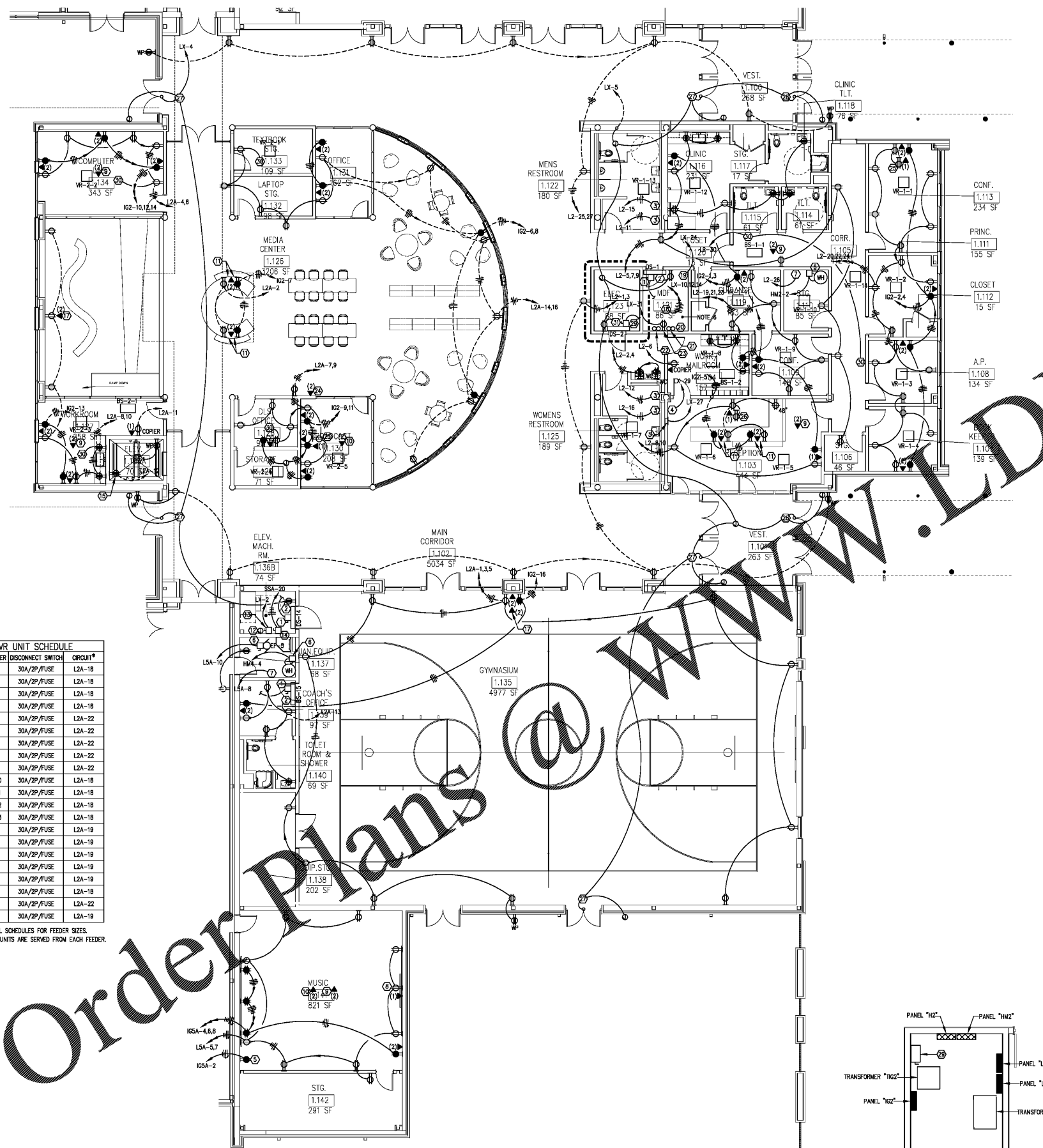
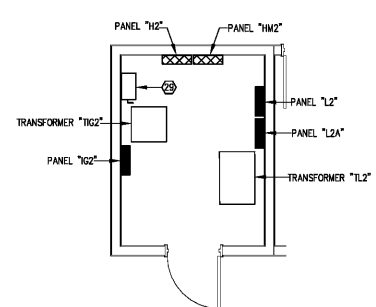


UNIT NUMBER	DISCONNECT SWITCH	CIRCUIT*
VR-1-1	30A/2P/FUSE	L2A-18
VR-1-2	30A/2P/FUSE	L2A-18
VR-1-3	30A/2P/FUSE	L2A-18
VR-1-4	30A/2P/FUSE	L2A-18
VR-1-5	30A/2P/FUSE	L2A-22
VR-1-6	30A/2P/FUSE	L2A-22
VR-1-7	30A/2P/FUSE	L2A-22
VR-1-8	30A/2P/FUSE	L2A-22
VR-1-9	30A/2P/FUSE	L2A-22
VR-1-10	30A/2P/FUSE	L2A-18
VR-1-11	30A/2P/FUSE	L2A-18
VR-1-12	30A/2P/FUSE	L2A-18
VR-1-13	30A/2P/FUSE	L2A-18
VR-2-1	30A/2P/FUSE	L2A-19
VR-2-2	30A/2P/FUSE	L2A-19
VR-2-3	30A/2P/FUSE	L2A-19
VR-2-4	30A/2P/FUSE	L2A-19
VR-2-5	30A/2P/FUSE	L2A-19
BS-1-1	30A/2P/FUSE	L2A-18
BS-1-2	30A/2P/FUSE	L2A-22
BS-2-1	30A/2P/FUSE	L2A-19

SEE PANEL SCHEDULES FOR FEEDER SIZES.
*MULTIPLE UNITS ARE SERVED FROM EACH FEEDER.



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



2 ELECTRICAL ROOM 1.123
E1-01.A 1/4" = 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).
 - REFER TO KEYNOTES IN EACH OF FIVE DATA ROOMS FOR FIBER OPTIC CABLING REQUIREMENTS BETWEEN THE MDF ROOM AND EACH DATA ROOM.
 - DATA CABLING ROUTED TO THE MDF OR DATA CLOSURES 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 AND LABELING SCHEME DETERMINED BY THE OWNER.
 - WHERE DEVICES ARE SHOWN GROUPED TOGETHER ON THE PLAN, THEY SHALL BE INSTALLED GROUPED TOGETHER.

- KEYNOTES:
- PROVIDE A 30A/2P FUSE DISCONNECT SWITCH MOUNTED HIGH ON THE WALL ABOVE THE CEILING. ROUTE CONDUIT DOWN IN WALL AND MAKE CONNECTION TO THE OUTLETLESS FAN COIL UNIT. FAN COIL IS POWERED FROM THE ROOF TOP HEAT PLANT (DOSH). ROUTE #12 CONDUCTORS AS DIRECTED BY THE MANUFACTURER IN 1/2" CONDUIT TO ASSOCIATED DUCTWORK. SPLIT OUTDOOR UNIT.
 - ROUTE 1/2" CONDUIT CONCEALED IN WALL FROM OUTLET TO A SINGLE POLE MANUAL STARTER ADJACENT TO THE OUTLETLESS FAN COIL UNIT. EXTEND CONDUIT FROM THE LOAD SIDE OF THE MANUAL STARTER AND MAKE CONNECTION TO THE COIL UNIT.
 - MAKE CONNECTION TO ELECTRIC HAND BOX. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
 - MAKE CONNECTION TO THE ALARM CONTROL PANEL (FACP). ROUTE 1" CONDUIT WITH SIGNAL WIRING FOR TONE GENERATOR FROM ROOM 1.121.
 - GENERATOR SIGNALOR PANEL. ROUTE SIGNAL WIRING IN 1.25" CONDUIT TO ITS #1 IN MAIN ELECTRICAL ROOM 1.222. SEE SHEET E4-01.
 - 30A/2P FUSE DISCONNECT SWITCH.
 - PROVIDE SINGLE POLE MANUAL STARTER AND MAKE CONNECTION TO CIRCULATING PUMP.
 - DUPLEX RECEPTACLE AND DATA JACK AT THE FLAT PANEL DISPLAY SHALL BE MOUNTED HIGH ON THE WALL BEHIND THE DISPLAY. SEE FRONT OF CLASSROOM ELEVATION, SHEET E3-01.
 - 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 TWO 12-FOOT COILS OF CAT 6E DATA CABLING IN A 6"x6" BOX AT STRUCTURE FOR FUTURE CAMERA. PROVIDE BOX WITH 3/4" BUSHED OPENING FOR ROUTING CABLING TO CAMERA.
 - COORDINATE INSTALLATION OF OUTLETS BELOW THE COUNTER WITH THE CASEWORK INSTALLER PRIOR TO ROUGH-IN. ROUTE 1" CONDUIT WITH DATA CABLING FROM EACH DATA OUTLET IN THE SLAB TO MDF ROOM 1.121.
 - PROVIDE JUNCTION BOX FOR TELEPHONE SERVICE TO ELEVATOR CAB. ROUTE CAT BE IN 1" CONDUIT IN THE SLAB TO MDF ROOM 1.121.
 - 30A/1P/15AF DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS AND FAN.
 - 300A/3P/FUSE DISCONNECT SWITCH FOR ELEVATOR MOTOR. ROUTE 4x5/8 & 1x#6 - 2" TO SWITCHBOARD "SSA" AS INDICATED.
 - PROVIDE DUPLEX OUTLET FOR ELEVATOR PIT SUMP PUMP. COORDINATE LOCATION WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
 - MAKE CONNECTION TO ELEVATOR PIT LIGHTING FIXTURE. SEE SHEET E2-01-A. OUTLET SHALL BE WIRED DOWNSTREAM OF THE LIGHTING FIXTURE SO THAT IF THE GFD MECHANISM TRIPS, POWER TO THE FIXTURE WILL NOT BE INTERRUPTED.
 - PROVIDE TWO SIX-FOOT COILS OF CAT 6E DATA CABLING IN A SINGLE GANG DEVICE BOX MOUNTED AT 10'-0" AFF FOR WIRELESS ACCESS POINT.
 - PROVIDE THREE 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 #6 COPPER GROUND WIRE AT THE FLOOR IN THE MDF AND DATA ROOMS. EXTEND CONDUCTOR IN 1/2" CONDUIT UP TO STRUCTURE AND BOND.
 - INCOMING SERVICE CONDUITS FOR TELEPHONE/DATA. SEE ELECTRICAL SITE PLAN.
 - INCOMING SERVICE CONDUITS FOR CABLE TV. SEE ELECTRICAL SITE PLAN.
 - COORDINATE OUTLET LOCATION WITH UTILITY PROVIDERS PRIOR TO ROUGH-IN.
 - PROVIDE TWO SIX-FOOT COILS OF CAT 6E DATA CABLING IN A SINGLE GANG DEVICE BOX MOUNTED AT 13'-0" AFF FOR WIRELESS ACCESS POINT.
 - INSTALL DUPLEX RECEPTACLE AND DATA OUTLET HIGH ON WALL FOR DISPLAY. COORDINATE MOUNTING HEIGHT WITH THE OWNER PRIOR TO ROUGH-IN.
 - INSTALL DUPLEX RECEPTACLE AND DATA OUTLET AT 8'-0" AFF FOR MESSAGE BOARD.
 - 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.
 - DISCONNECT SWITCH AT PRIMARY OF TRANSFORMER "T162". SEE RISER DIAGRAM.
 - PROVIDE JUNCTION BOX ABOVE THE CEILING FOR POWER TO PLUMBING TRAP PRIMERS. LOW VOLTAGE TRANSFORMERS AND CIRCUITING OF THE TRAP PRIMERS TO BE BY THE MECHANICAL CONTROLS CONTRACTOR. LABEL THE JUNCTION BOX COVER WITH THE CIRCUIT NUMBER AND "TRAP PRIMERS".

- CONDUIT NOTES: (APPLY TO THIS SHEET ONLY)
- ALL BRANCH CIRCUIT RECEPTACLE CONDUITS SHOWN ON THIS SHEET SHALL BE ROUTED IN THE SLAB.
 - ALL DATA CONDUITS SHALL BE ROUTED IN THE SLAB FROM THE DEVICE BOXES TO MDF ROOM 1.121. STUB CONDUITS UP IN THE MDF ROOM ALONG THE WALL COMMON WITH GUIDANCE 1.118.
 - OVERHEAD CONDUIT RUNS SHALL BE AVOIDED IN THE MEDIA CENTER AREA, IN THE MAIN CORRIDORS, AND IN THE OPEN SPACE ABOVE THE ADMINISTRATION AREA (CONDUITS CAN BE INSTALLED IN THE CEILING SPACE ABOVE THE ADMINISTRATION AREA).
 - WHERE CONDUITS ARE REQUIRED TO BE RUN OVERHEAD, THEY SHALL BE ROUTED TIGHT TO STRUCTURE. WHERE THEY ARE ROUTED DOWN TO THE ADMINISTRATION AREA, THEY SHALL BE ROUTED IN THE CHASES INDICATED ON E1-02.A.

One Piedmont Center, Suite 303 3565 Piedmont Road Atlanta, Georgia 30305

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

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

BUILDING AREA
LEVEL 01
TOTAL
71,452 SF
108,337 SF

INSTRUCTIONAL UNITS
REGULAR CLASSROOMS
PAIRED FLEX AREAS
MUSIC
MATH
MEDIA CENTER
LAB
TOTAL
46
2
1
1
1
51

COVERED AREAS (ALE CANOPIES)
TOTAL
5,180 SF
7,268 SF

RCPS
REYNOLDS COUNTY PUBLIC SCHOOLS
3100 ZINGARA ROAD NE, CONYERS, GA 30012

SMALLWOOD, REYNOLDS, STEWART & ASSOCIATES, INC. ARCHITECTS
LEVEL 01 PART A - 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.A

ISSUED FOR CONSTRUCTION