

Jones County High School

Electrical Upgrades for 21st Century Lab

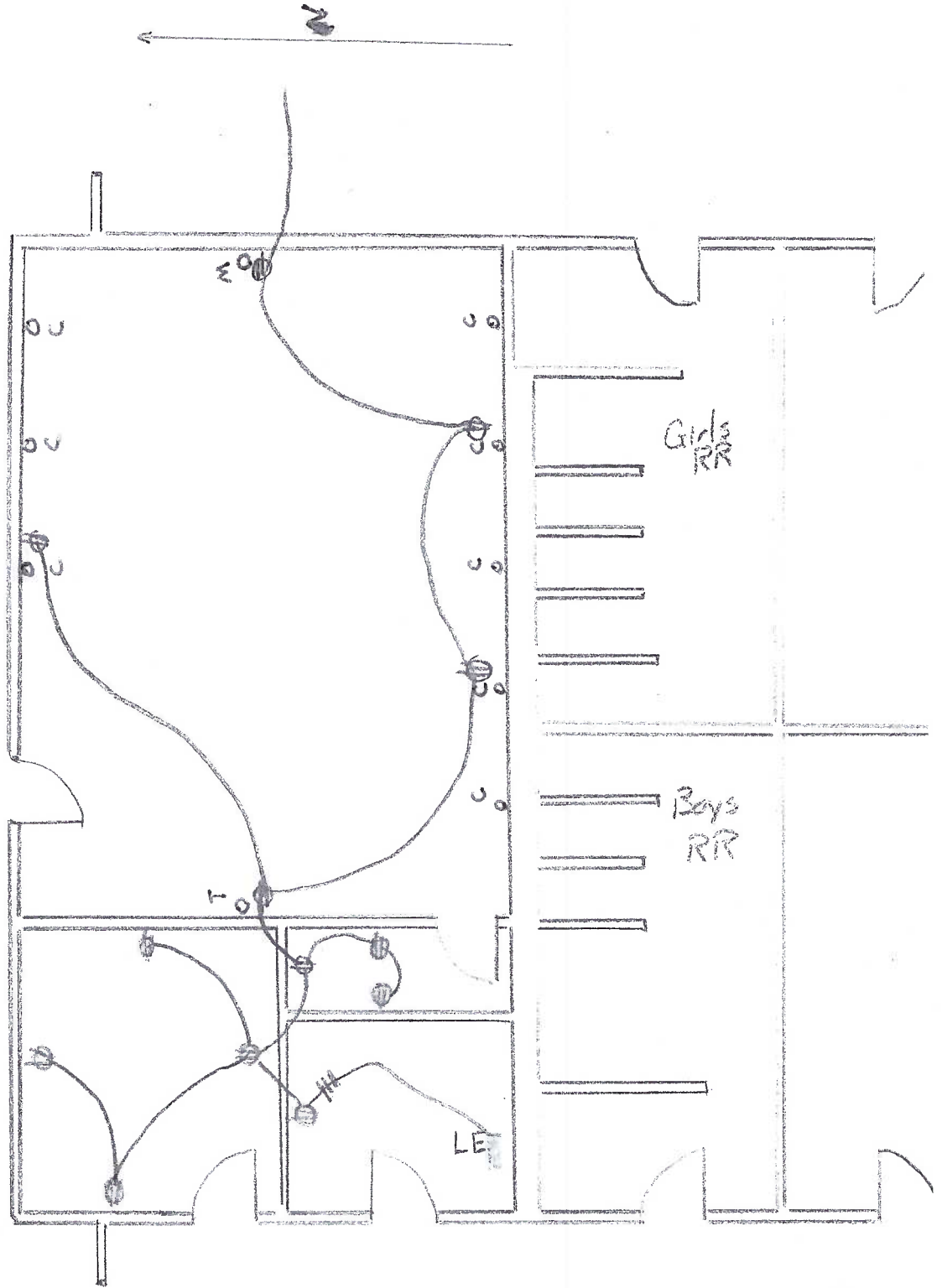
This site map shows the original circuits for convenient outlets in this space.

1. Remove the existing cabinet that controlled theatrical lighting for this lab, leaving the panel associated with it.
2. Provide eight 4" pan mold drops for data/power, as shown in the classroom as indicated at the locations marked C. These drops should extend from ceiling, down the wall to a point 18" from finished floor.
3. Install one duplex receptacle in the lower most section of each of these 8 drops with each being on a separate circuit. Provide cover plates for receptacle with each having access for 4 data ports.
4. Install two 4" pan mold drops to a point 36" from finished floor, with one quad receptacle in the lowest section. One drop will be located at teacher's station (marked T) and the other at monitor location (marked M).

Notes:

- i. Pan mold should provide for proper separation between low and high voltage wiring.
- ii. Additional circuits will be wired from the panel associated with the dimmer cabinet.
- iii. Care should be taken not to destroy ceiling grids and ceiling.

21st Century Lab



1/8" = 1'

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Electrical Upgrades Two IT Labs

This site map shows the original circuits for convenient outlets in this space. These labs are located on the southwest side of the main building, the first two classrooms on the left.

1. Provide eight 4" pan mold drops for data/power, as shown in the classroom as indicated at the locations marked C. These drops should extend from ceiling, down the wall to a point 18" from finished floor.
2. Install one duplex receptacle in the lower most section of each of these 8 drops with each being on a separate circuit. Provide cover plates for receptacle with each having access for 4 data ports.
3. Install two 4" pan mold drops to a point 36" from finished floor, with one quad receptacle in the lowest section. One drop will be located at teacher's station (marked T) and the other at monitor location (marked M).

Notes:

- i. Pan mold should provide for proper separation between low and high voltage wiring.
- ii. Additional circuits will be wired from the Panel LF5 located approx. 30 feet east of these labs.
- iii. Each drop should have a separate circuit.
- iv. Care should be taken not to destroy ceiling grids and ceiling.

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Electrical Upgrades Media Center

This site map shows the original circuits for convenient outlets in this space. Drawing is at 1/8" scale however field location should be properly verified.

1. Provide one 4" pan mold drop for data/power, as indicated at the locations marked C. This drop should extend from ceiling, down the wall to a point 18" from finished floor.
2. In the room-marked **storage** there are 10 locations marked C. There needs to be 10 dedicated convenient outlets in these approx. locations for charging computer carts that draw 12 amps each. Wire mold or pan mold is the owner's choice for raceway. This need may be met at the discretion of the contractor as long as it meets State Electrical Code.
3. Install three power/data poles at each location marked CP. Each pole should be on a separate circuit via one duplex receptacle in the lower most section of this drop. This power/data pole will provide access for 4 data ports in the low voltage side.

Notes:

- i. Pan mold and Data Polls should provide for proper separation between low and high voltage wiring.
- ii. Additional circuits will be wired from a panel which has been added to Panel LC, located approx. 40' northwest of this location. Panel LC3 may also be used for additional circuits.
- iii. Care should be taken not to damage/destroy ceiling grids and ceiling.

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Electrical Upgrades for Marketing Lab

This space, as it currently appears in shown in Exhibit 1 and details the original convenient outlet circuitry. Exhibit 2 shows the same space as it will appear when completed. Please refer to these drawings as defined in this scope of work

1. Demolition: (This work will need to take place at the beginning of the project. There will be a time lapse between this work and new installation.)

a. remove all existing pan mold and associated data/electrical wiring that has been added since the original construction of the existing classroom. (exhibit 1)

b. remove all existing line voltage wiring shown in highlighted wall (shown in exhibit 1) and utilize this circuit in new work. Outlets located on the east and west wall of this room will be rewired during new construction.

c. remove light switches in demo wall and tie these circuits in with existing lights in adjoining space. (see location S on exhibit 2)

Notes:

i. Circuits removed in demolition will be re-utilized in new classroom wiring.

ii. Additional circuits will be wired from Panel LF5 located approx.. 50' west of new classroom.

iii. Care should be taken not to destroy ceiling grids and ceiling. Once the wall is removed this space will be repaired.

2. New installation:

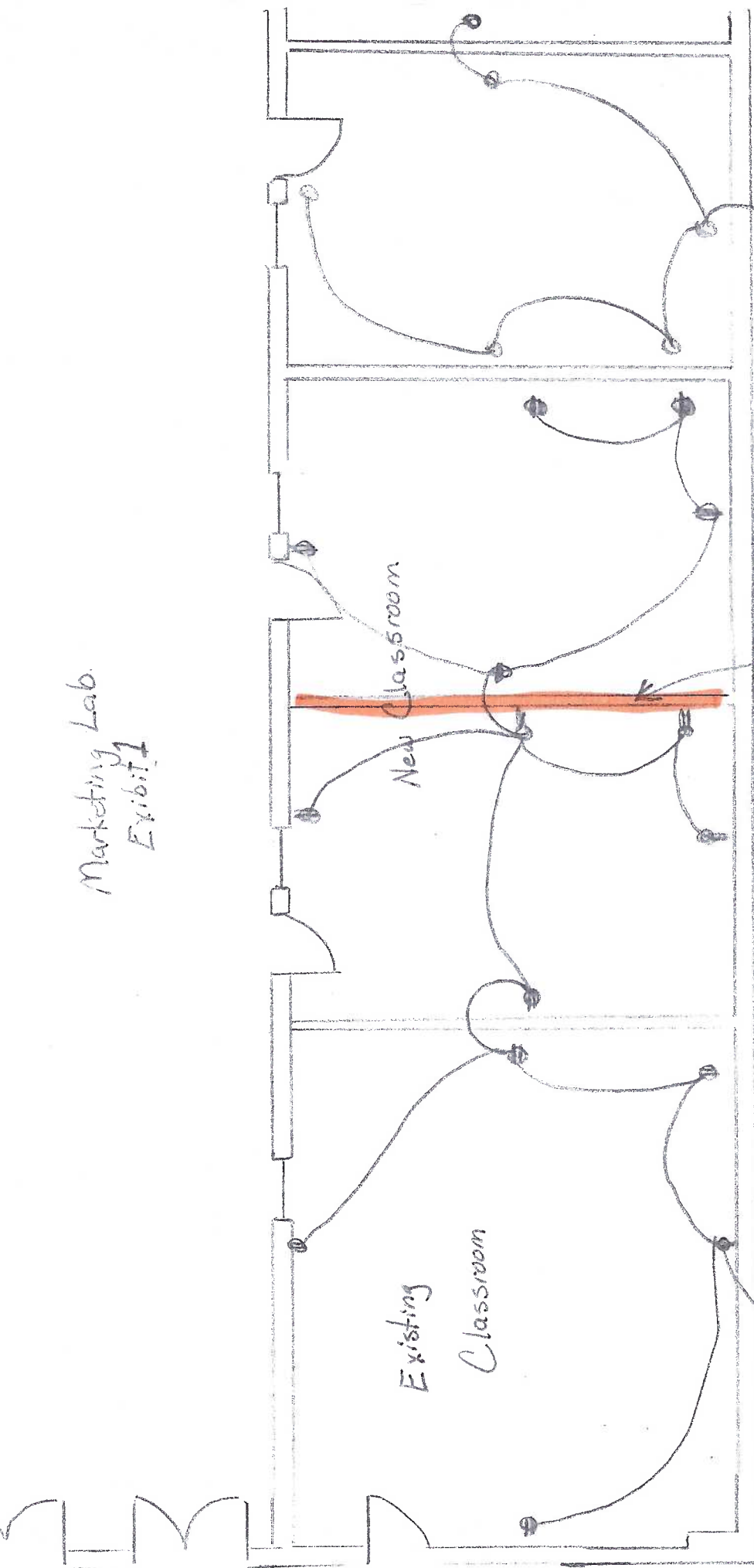
a. provide eight 4" pan mold drops for data/power, as shown in the classroom(exhibit2) from ceiling, down the wall to a point 18" from finished floor.

b. install one duplex receptacle in the lower most section of each of these 8 drops providing cover plates for receptacle and having access for 4 data ports.

c. install two 4" pan mold drops to a point 36" from finished floor, with one quad receptacle in the lowest section. One drop will be located at teacher's station (marked T in exhibit 2) and the other at monitor location (marked M in exhibit 2).

d. provide one double switch location for all lights in classroom as shown in exhibit 2.

Marketing Lab
Exhibit 1



LF2-13,15,17

This wall needs boards

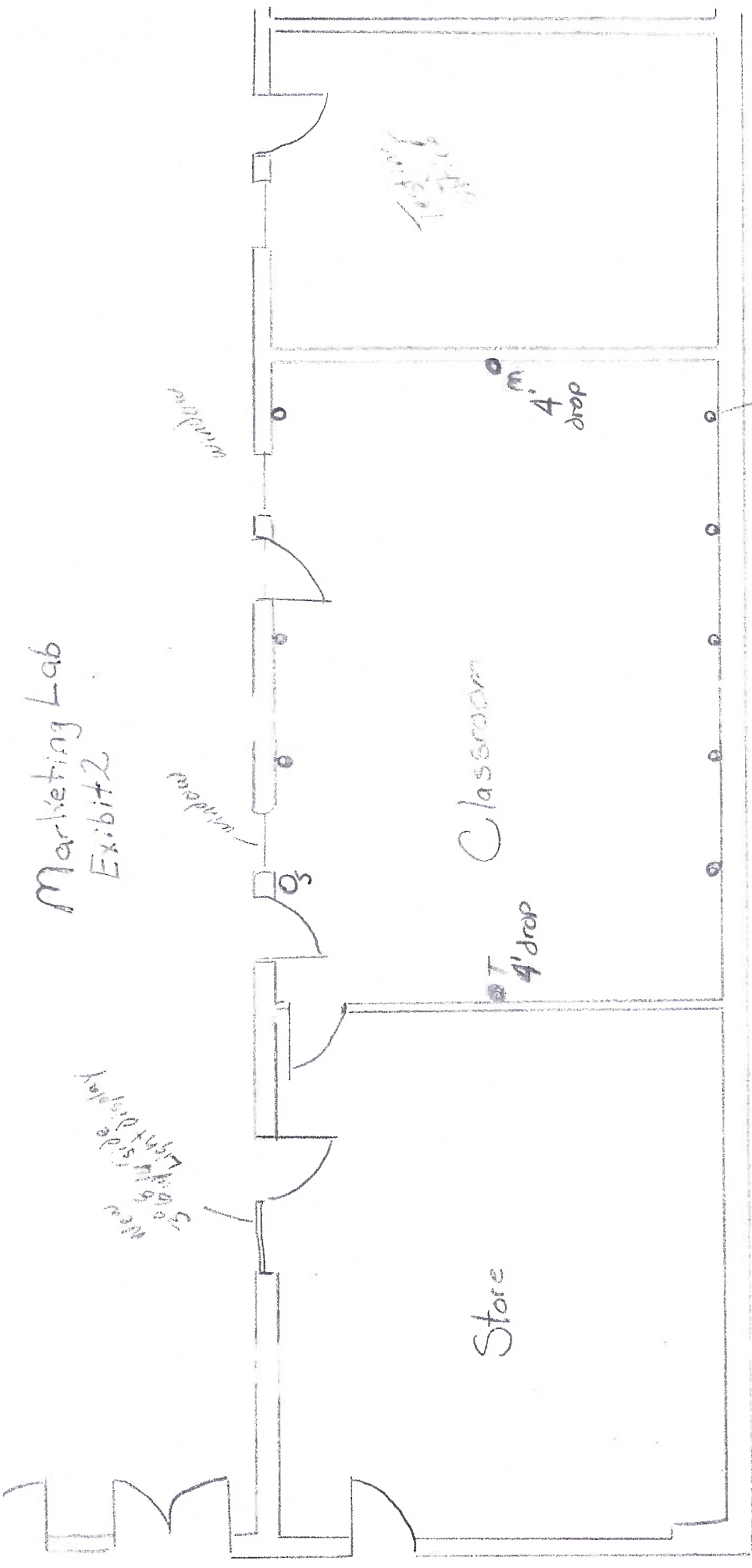


1/8" scale

LF2-79,11

Exhibit 1

Marketing Lab
Exhibit 2



Provide mold
6 fan power
Data drops

11'
1/8"



Jones County High School

Electrical Upgrades for Achievement Academy

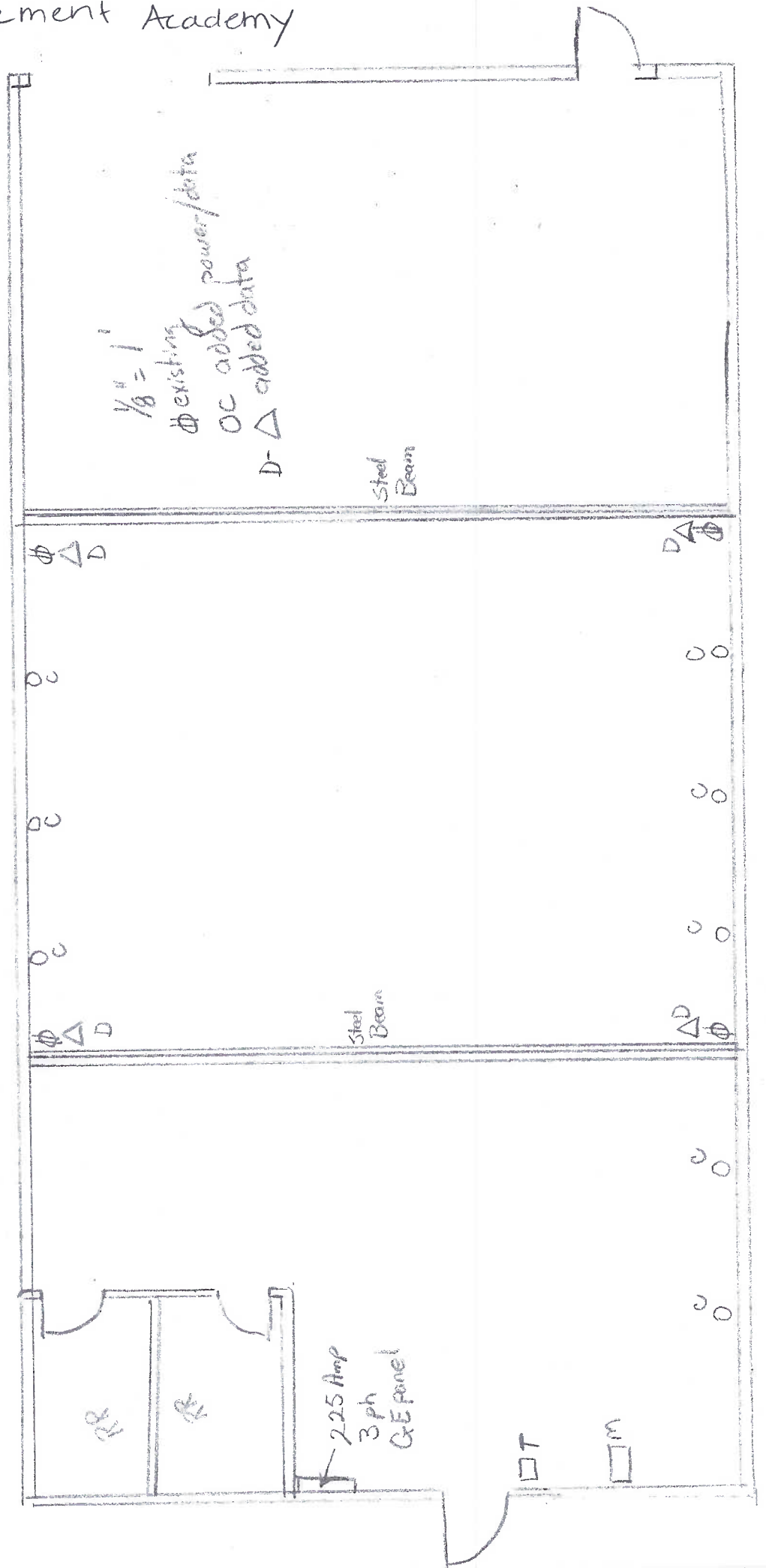
The electrical panel for this building is a GE A Series Cat. #AQF3422ATX AXS5; 225AMP; 3PH/4Wire. This panel is indicated on the drawing and has adequate space for additional circuits.

1. Provide eight 4" pan mold drops for data/power, as shown in the classroom as indicated at the locations marked C. These drops should extend from ceiling, down the wall to a point 36" from finished floor.
2. Install one duplex receptacle in the lower most section of each of these 8 drops with each being on a separate circuit. Provide cover plates for receptacle with each having access for 4 data ports.
3. Provide four 4" pan mold drops for data only at locations marked D
4. Install one 4" pan mold drops to a point 36" from finished floor, with one quad receptacle in the lowest section. One drop will be located at teacher's station (marked T) and the other at monitor location (marked M).

Notes:

- i. Pan mold should provide for proper separation between low and high voltage wiring.
- ii. Each drop should have a separate circuit.

Achievement
Academy



Jones County High School

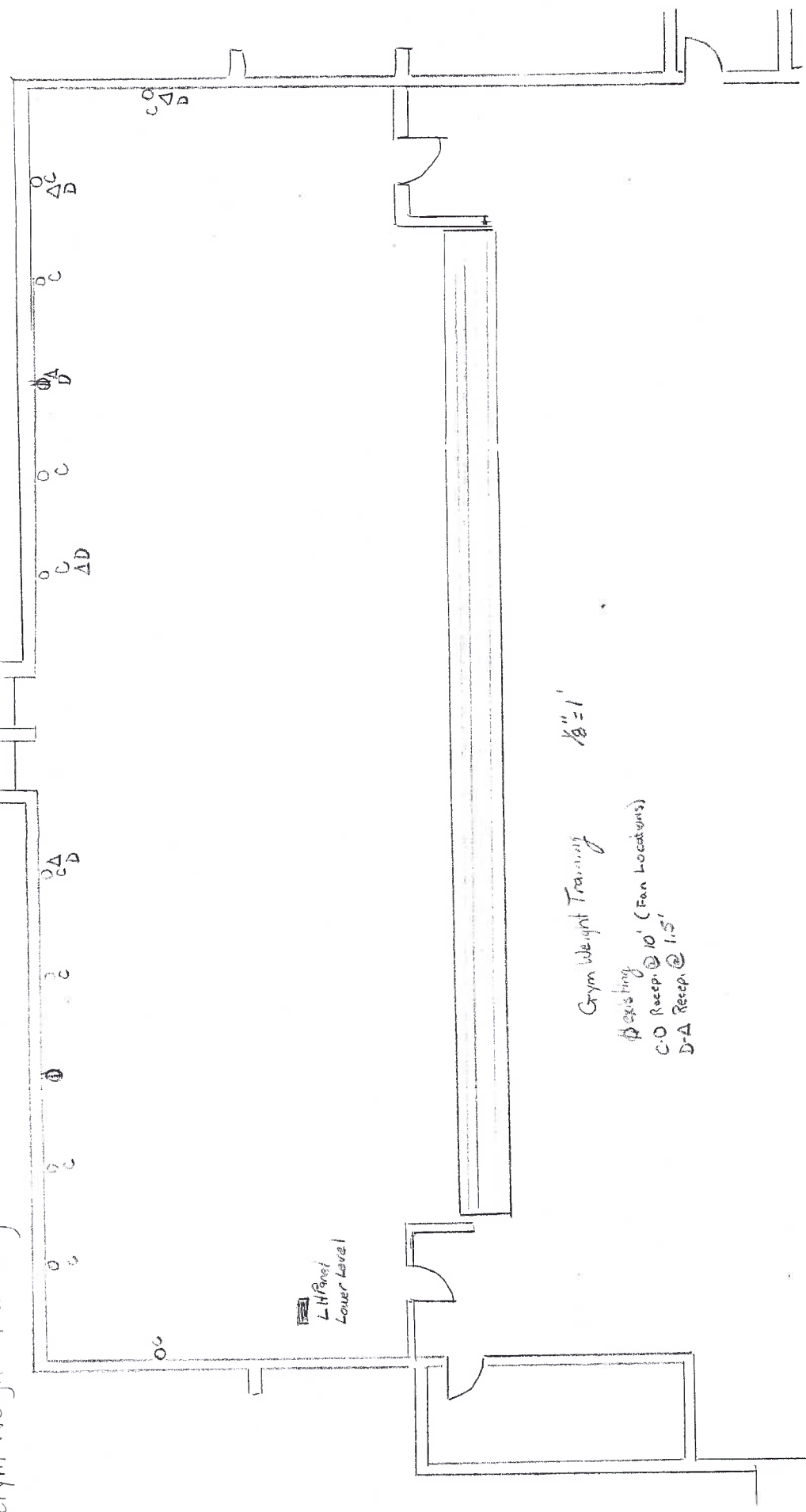
Electrical Upgrades for Gym Weight Training

The site map shows a drawing of the space to be used for weight training in the gym.

1. Provide 10 single receptacles as indicated at the locations marked C. These receptacles should be at a height of 10' from finished floor.
2. At the location of each of the receptacles listed above, you shall securely mount fans, provided by owner.
3. Provide 5 quad receptacles at locations marked D. These receptacles should be at a height of 18" above finished floor and can be directly below the receptacles above but should be on their own circuit.
4. All circuitry should be ran in ½" EMT, securely fastened to the wall.

Notes:

- i. Additional circuits shall be wired from the Panel LH located on the first floor at location indicated on the drawing.
- ii. Each AC power location should have a separate circuit.



Gym Weight Training 18" x 1'

Lighting
C.O. Recept. @ 10' (Fan Locations)
D-A Recept. @ 1.5'

LH Reel
Lower Level