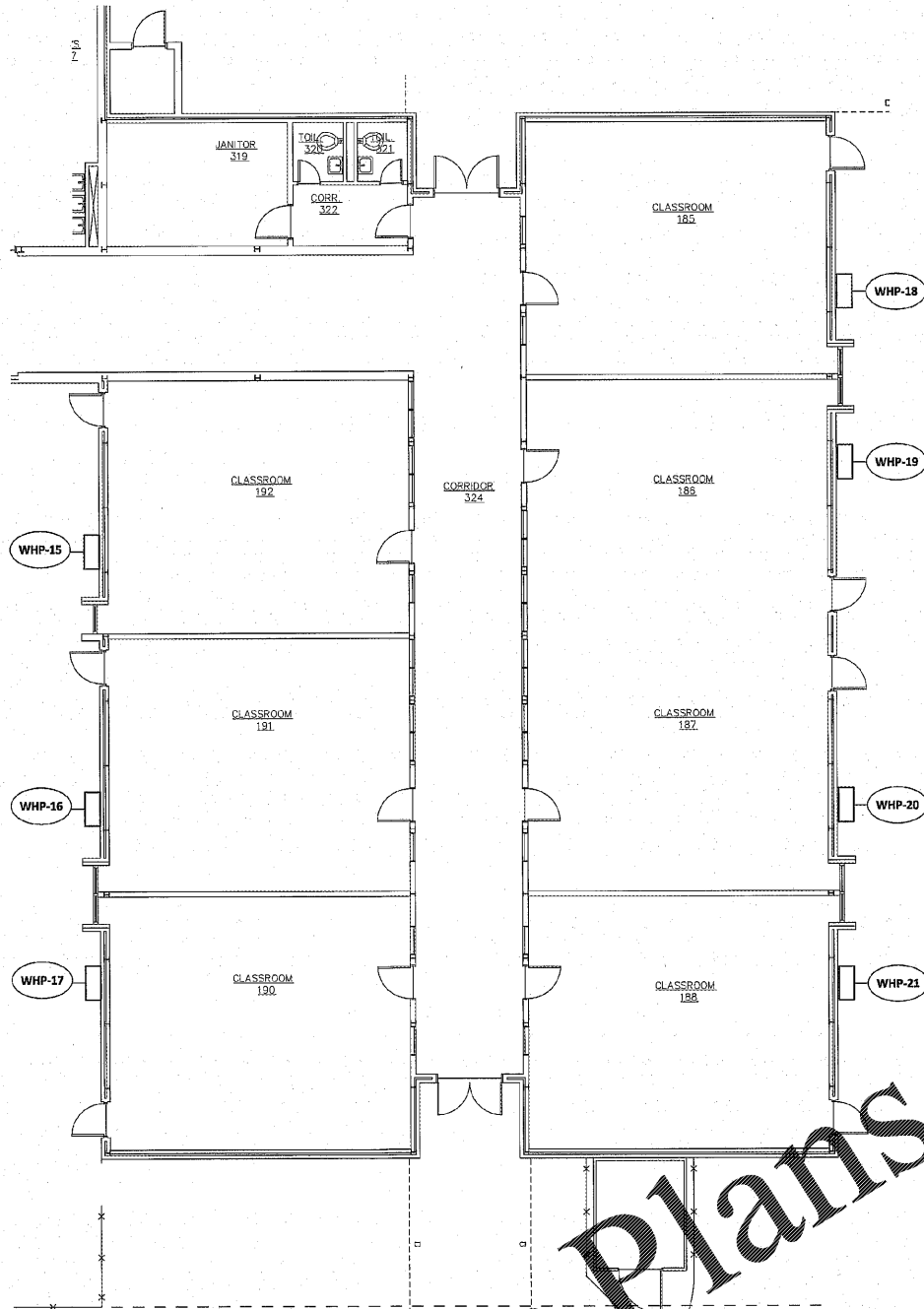




This document is the property of 2KM Architects, Inc. The unauthorized reproduction, copying, or alteration of this document is strictly prohibited and any infringement thereupon may be subject to legal action. Copyright © 2020, 2KM Architects, Inc.

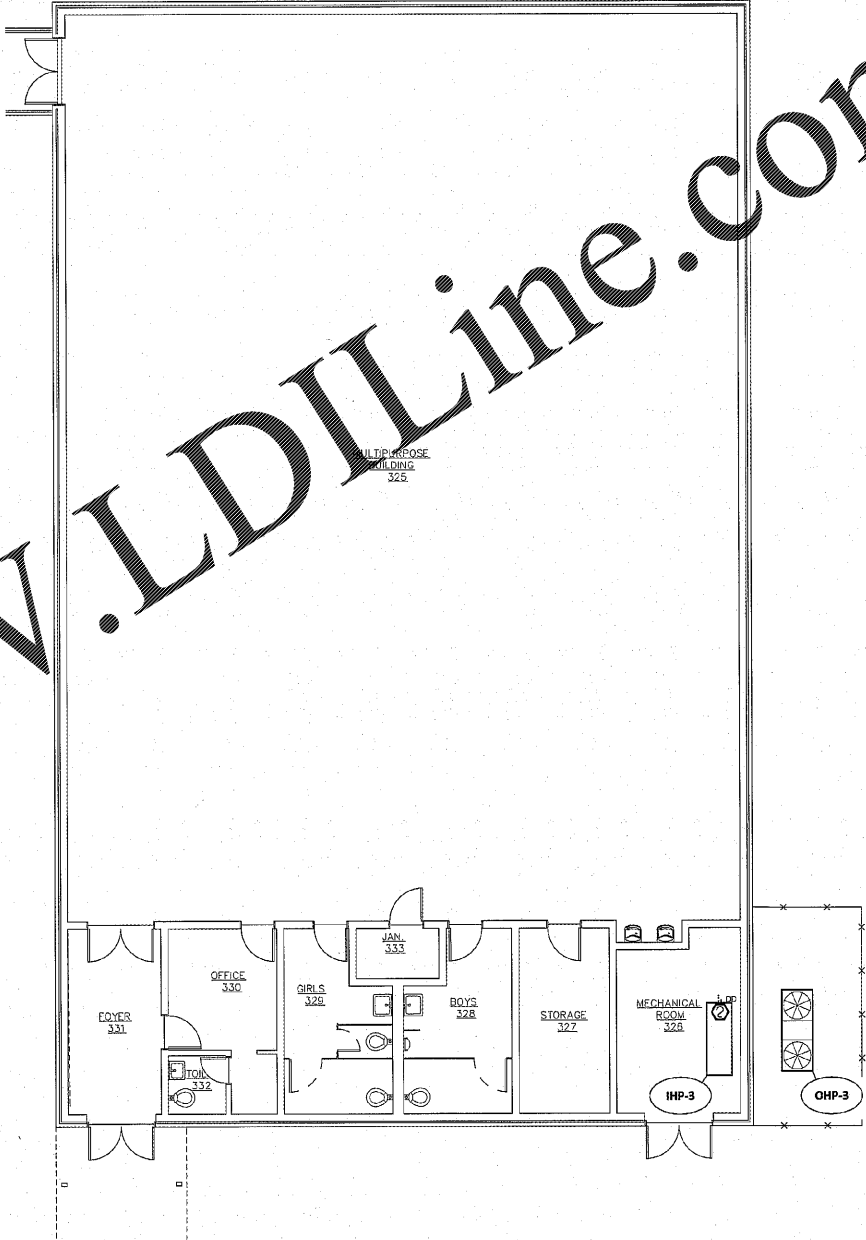
- GENERAL NOTES:**
- UNLESS OTHERWISE INDICATED, ALL EQUIPMENT SHOWN IS INTENDED TO BE A ONE FOR ONE REPLACEMENT OF AN EXISTING UNIT. A NEW FLEXIBLE CONNECTION AND FUSES SHALL BE PROVIDED FOR ALL EQUIPMENT REPLACED. PROVIDE NEW DISCONNECTS FOR ALL ROOF TOP (RTU) UNITS.
  - THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
  - ALL CONDUIT ROUTED FROM DISCONNECT TO EXTERIOR HVAC UNITS SHALL BE ROUTED UNDERGROUND, TURN UP ADJACENT TO UNIT AND MAKE TRANSITION TO SEALED TIE TO SERVE UNIT.



1 MECHANICAL POWER PLAN - BLDG. 2012  
 SCALE: 1/8"=1'-0"

| EQUIP. NO. | EXISTING CIRCUIT |    |      | NEW CIRCUIT |       |    |      | DISCONNECT     |      |   | NOTES |      |
|------------|------------------|----|------|-------------|-------|----|------|----------------|------|---|-------|------|
|            | VOLTS            | PH | BKWR | WIRE        | VOLTS | PH | BKWR | COND-WIRE      | SIZE | P |       | NEMA |
| WHP-1      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-2      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-3      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-4      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-5      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-6      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-7      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-8      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-9      | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-10     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-11     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-12     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-13     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-14     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-15     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-16     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-17     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-18     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-19     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-20     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-21     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-22     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-23     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-24     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-25     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-26     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| WHP-27     | 480              | 3  | 25   | 4#10        |       |    |      |                |      |   |       | 1    |
| RTU-1      | 480              | 3  | 25   | 4#10        | 480   | 3  | 100  | 1 1/4" 3#3,1#8 | 100  | 3 | 3R    | 1,2  |
| RTU-2      | 480              | 3  | 25   | 4#10        | 480   | 3  | 35   | 3/8" 1#10      | 30   | 3 | 3R    | 1,2  |
| RTU-3      | 480              | 3  | 25   | 4#10        | 480   | 3  | 35   | 3/8" 1#10      | 30   | 3 | 3R    | 1,2  |
| RTU-4      | 480              | 3  | 25   | 4#10        | 480   | 3  | 35   | 3/8" 1#10      | 30   | 3 | 3R    | 1,2  |
| RTU-5      | 480              | 3  | 25   | 4#10        | 480   | 3  | 35   | 3/8" 1#10      | 30   | 3 | 3R    | 1,2  |
| RTU-6      | 480              | 3  | 25   | 4#10        | 480   | 3  | 35   | 3/8" 1#10      | 30   | 3 | 3R    | 1,2  |
| RTU-7      | 480              | 3  | 50   | 3#6,1#10    | 480   | 3  | 50   | 3/8" 1#10      | 60   | 3 | 3R    | 1,3  |
| RTU-8      | 480              | 3  | 70   | 3#4,1#8     | 480   | 3  | 70   | 1 1/4" 3#3,1#8 | 100  | 3 | 3R    | 1,2  |
| OHP-1      |                  |    |      |             | 208   | 1  | 20   | 3/8" 1#10      | 30   | 2 | 3R    | 6    |
| IHP-1      |                  |    |      |             |       |    |      |                |      |   |       | 6    |
| OHP-2      | 208              | 1  | 20   | 3/8" 1#10   | 208   | 1  | 20   | 3/8" 1#10      | 30   | 2 | 3R    | 1    |
| IHP-2      |                  |    |      |             |       |    |      |                |      |   |       | 7    |
| OHP-3      | 208              | 3  | 50   | 3#4,1#8     | 208   | 3  | 50   | 3/8" 1#10      | 100  | 3 | 3R    | 3,8  |
| IHP-3      |                  |    |      |             |       |    |      |                |      |   |       | 9    |

- NOTES:**
- DISCONNECT - RECONNECT, PROVIDE NEW FLEXIBLE CONNECTION.
  - DISCONNECT EXISTING CIRCUIT AND PROVIDE NEW CONDUIT, CONDUCTORS AND BREAKER AS INDICATED ABOVE.
  - REMOVE EXISTING CIRCUIT CONDUCTORS AND PULL IN NEW CIRCUIT. REPLACE EXISTING BREAKER AS INDICATED ABOVE.
  - REPLACE EXISTING BREAKER AS INDICATED ABOVE.
  - PROVIDE NEW CONDUIT, CONDUCTORS AND BREAKER AS INDICATED ABOVE. SEE SHEET E2.1 FOR PANEL AND PANEL LOCATION.
  - UNIT SERVED FROM MATCHING CHP UNIT. SEE KEYED NOTE 3 ON SHEET E2.1.
  - UNIT SERVED FROM MATCHING CHP UNIT. SEE KEYED NOTE 1 ON SHEET E2.1.
  - WIRE TO EXISTING 80A BREAKER THAT SERVED IHP-3.
  - WIRE TO EXISTING 80A BREAKER THAT SERVED CHP-3.



2 MECHANICAL POWER PLAN - BLDG. 2020  
 SCALE: 1/8"=1'-0"

Order Plans

www.LDILine.com

**KEY PLAN:**

| Date | Description |
|------|-------------|
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |

**REVISIONS:**

| Date | Description |
|------|-------------|
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |

**TERRACE MANOR ELEMENTARY SCHOOL ROOF AND HVAC**

FOR  
 RICHMOND COUNTY BOARD OF EDUCATION  
 RCBOE # B-18-012-4330  
 3110 TATE ROAD AUGUSTA, GA

**DRAWING TITLE**

**MECHANICAL POWER PLAN - BLDG 2012/2020**

|             |            |             |  |
|-------------|------------|-------------|--|
| PROJECT NO. | 20-14      | DRAWING NO. |  |
| DATE        | 12/07/2020 |             |  |
| DRAWN BY    | KH         |             |  |
| PAPER       | 24"x36"    |             |  |
| ISSUE       | BID SET    |             |  |

E2.3