

| 277/480 VOLT 3ø 4W CIRCUIT BREAKER PANEL SCHEDULE<br>125 AMP MAIN BREAKER<br>PANEL HD |                    |                  |          |          |                  | SURFACE MOUNTED |
|---------------------------------------------------------------------------------------|--------------------|------------------|----------|----------|------------------|-----------------|
| CKT                                                                                   | LOAD DESCRIPTION   | BREAKER POLE/AMP | LOAD KVA | AMP POLE | LOAD DESCRIPTION | CKT             |
| 1                                                                                     | LITG - RMS 314-317 | 1                | 20       | 1.78     | ↑                | 2               |
| 3                                                                                     | ↑                  | ↑                | ↑        | ↑        | ↑                | 4               |
| 5                                                                                     | ↑                  | ↑                | ↑        | ↑        | ↑                | 6               |
| 7                                                                                     | ↑                  | ↑                | ↑        | ↑        | ↑                | 8               |
| 9                                                                                     | ↑                  | ↑                | ↑        | ↑        | ↑                | 10              |
| 11                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 12              |
| 13                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 14              |
| 15                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 16              |
| 17                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 18              |
| 19                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 20              |
| 21                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 22              |
| 23                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 24              |
| 25                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 26              |
| 27                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 28              |
| 29                                                                                    | ↑                  | ↑                | ↑        | ↑        | ↑                | 30              |
| TOTAL CONNECTED LOAD: 47.08 KVA                                                       |                    |                  |          |          |                  |                 |
| MINIMUM INTERRUPTING CAPACITY: 25,000 AMPS SYMMETRICAL                                |                    |                  |          |          |                  |                 |

| 120/208 VOLT 3ø 4W CIRCUIT BREAKER PANEL SCHEDULE<br>100 AMP MAIN LUGS ONLY<br>PANEL CPD |                  |                  |          |          |                  | SURFACE MOUNTED |
|------------------------------------------------------------------------------------------|------------------|------------------|----------|----------|------------------|-----------------|
| CKT                                                                                      | LOAD DESCRIPTION | BREAKER POLE/AMP | LOAD KVA | AMP POLE | LOAD DESCRIPTION | CKT             |
| 1                                                                                        | RECEPT. - RM 313 | 1                | 20       | 0.72     | ↑                | 2               |
| 3                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 4               |
| 5                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 6               |
| 7                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 8               |
| 9                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 10              |
| 11                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 12              |
| 13                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 14              |
| 15                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 16              |
| 17                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 18              |
| 19                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 20              |
| 21                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 22              |
| 23                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 24              |
| 25                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 26              |
| 27                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 28              |
| 29                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 30              |
| TOTAL CONNECTED LOAD: 8.06 KVA                                                           |                  |                  |          |          |                  |                 |
| MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL                                   |                  |                  |          |          |                  |                 |
| PROVIDE WITH INTEGRAL BUS MOUNTED SURGE SUPPRESSION                                      |                  |                  |          |          |                  |                 |

| 120/208 VOLT 3ø 4W CIRCUIT BREAKER PANEL SCHEDULE<br>100 AMP MAIN LUGS ONLY<br>PANEL 2PF |                              |                  |          |          |                  | SURFACE MOUNTED |
|------------------------------------------------------------------------------------------|------------------------------|------------------|----------|----------|------------------|-----------------|
| CKT                                                                                      | LOAD DESCRIPTION             | BREAKER POLE/AMP | LOAD KVA | AMP POLE | LOAD DESCRIPTION | CKT             |
| 1                                                                                        | RECEPT. - RM 500A-511A-B-E-F | 1                | 20       | 1.00     | ↑                | 2               |
| 3                                                                                        | ↑                            | ↑                | ↑        | ↑        | ↑                | 4               |
| 5                                                                                        | ↑                            | ↑                | ↑        | ↑        | ↑                | 6               |
| 7                                                                                        | ↑                            | ↑                | ↑        | ↑        | ↑                | 8               |
| 9                                                                                        | ↑                            | ↑                | ↑        | ↑        | ↑                | 10              |
| 11                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 12              |
| 13                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 14              |
| 15                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 16              |
| 17                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 18              |
| 19                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 20              |
| 21                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 22              |
| 23                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 24              |
| 25                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 26              |
| 27                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 28              |
| 29                                                                                       | ↑                            | ↑                | ↑        | ↑        | ↑                | 30              |
| TOTAL CONNECTED LOAD: 4.70 KVA                                                           |                              |                  |          |          |                  |                 |
| MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL                                   |                              |                  |          |          |                  |                 |

| 120/208 VOLT 3ø 4W CIRCUIT BREAKER PANEL SCHEDULE<br>175 AMP MAIN BREAKER<br>PANEL PPD |                  |                  |          |          |                  | SURFACE MOUNTED |
|----------------------------------------------------------------------------------------|------------------|------------------|----------|----------|------------------|-----------------|
| CKT                                                                                    | LOAD DESCRIPTION | BREAKER POLE/AMP | LOAD KVA | AMP POLE | LOAD DESCRIPTION | CKT             |
| 1                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 2               |
| 3                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 4               |
| 5                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 6               |
| 7                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 8               |
| 9                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 10              |
| 11                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 12              |
| 13                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 14              |
| 15                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 16              |
| 17                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 18              |
| 19                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 20              |
| 21                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 22              |
| 23                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 24              |
| 25                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 26              |
| 27                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 28              |
| 29                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 30              |
| TOTAL CONNECTED LOAD: 43.02 KVA                                                        |                  |                  |          |          |                  |                 |
| MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL                                 |                  |                  |          |          |                  |                 |
| Ⓢ PROVIDE HACR TYPE C.B. VERIFY SIZE WITH EQUIPMENT                                    |                  |                  |          |          |                  |                 |

| 277/480 VOLT 3ø 4W CIRCUIT BREAKER PANEL SCHEDULE<br>125 AMP MAIN BREAKER<br>PANEL HF |                        |                  |          |          |                  | SURFACE MOUNTED |
|---------------------------------------------------------------------------------------|------------------------|------------------|----------|----------|------------------|-----------------|
| CKT                                                                                   | LOAD DESCRIPTION       | BREAKER POLE/AMP | LOAD KVA | AMP POLE | LOAD DESCRIPTION | CKT             |
| 1                                                                                     | LITG - RMS 500A-511A-E | 1                | 20       | 2.08     | ↑                | 2               |
| 3                                                                                     | ↑                      | ↑                | ↑        | ↑        | ↑                | 4               |
| 5                                                                                     | ↑                      | ↑                | ↑        | ↑        | ↑                | 6               |
| 7                                                                                     | ↑                      | ↑                | ↑        | ↑        | ↑                | 8               |
| 9                                                                                     | ↑                      | ↑                | ↑        | ↑        | ↑                | 10              |
| 11                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 12              |
| 13                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 14              |
| 15                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 16              |
| 17                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 18              |
| 19                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 20              |
| 21                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 22              |
| 23                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 24              |
| 25                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 26              |
| 27                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 28              |
| 29                                                                                    | ↑                      | ↑                | ↑        | ↑        | ↑                | 30              |
| TOTAL CONNECTED LOAD: 47.08 KVA                                                       |                        |                  |          |          |                  |                 |
| MINIMUM INTERRUPTING CAPACITY: 25,000 AMPS SYMMETRICAL                                |                        |                  |          |          |                  |                 |

| 120/208 VOLT 3ø 4W CIRCUIT BREAKER PANEL SCHEDULE<br>100 AMP MAIN LUGS ONLY<br>PANEL CPF |                  |                  |          |          |                  | SURFACE MOUNTED |
|------------------------------------------------------------------------------------------|------------------|------------------|----------|----------|------------------|-----------------|
| CKT                                                                                      | LOAD DESCRIPTION | BREAKER POLE/AMP | LOAD KVA | AMP POLE | LOAD DESCRIPTION | CKT             |
| 1                                                                                        | RECEPT. - RM 510 | 1                | 20       | 0.72     | ↑                | 2               |
| 3                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 4               |
| 5                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 6               |
| 7                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 8               |
| 9                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 10              |
| 11                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 12              |
| 13                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 14              |
| 15                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 16              |
| 17                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 18              |
| 19                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 20              |
| 21                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 22              |
| 23                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 24              |
| 25                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 26              |
| 27                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 28              |
| 29                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 30              |
| TOTAL CONNECTED LOAD: 10.22 KVA                                                          |                  |                  |          |          |                  |                 |
| MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL                                   |                  |                  |          |          |                  |                 |
| PROVIDE WITH INTEGRAL BUS MOUNTED SURGE SUPPRESSION                                      |                  |                  |          |          |                  |                 |

| 120/208 VOLT 3ø 4W CIRCUIT BREAKER PANEL SCHEDULE<br>100 AMP MAIN LUGS ONLY<br>PANEL 2PD |                  |                  |          |          |                  | SURFACE MOUNTED |
|------------------------------------------------------------------------------------------|------------------|------------------|----------|----------|------------------|-----------------|
| CKT                                                                                      | LOAD DESCRIPTION | BREAKER POLE/AMP | LOAD KVA | AMP POLE | LOAD DESCRIPTION | CKT             |
| 1                                                                                        | RECEPT. - RM 313 | 1                | 20       | 0.54     | ↑                | 2               |
| 3                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 4               |
| 5                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 6               |
| 7                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 8               |
| 9                                                                                        | ↑                | ↑                | ↑        | ↑        | ↑                | 10              |
| 11                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 12              |
| 13                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 14              |
| 15                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 16              |
| 17                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 18              |
| 19                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 20              |
| 21                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 22              |
| 23                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 24              |
| 25                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 26              |
| 27                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 28              |
| 29                                                                                       | ↑                | ↑                | ↑        | ↑        | ↑                | 30              |
| TOTAL CONNECTED LOAD: 3.70 KVA                                                           |                  |                  |          |          |                  |                 |
| MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL                                   |                  |                  |          |          |                  |                 |

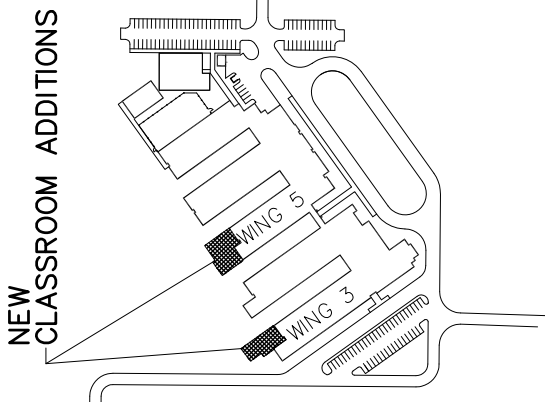
| 120/208 VOLT 3ø 4W CIRCUIT BREAKER PANEL SCHEDULE<br>175 AMP MAIN BREAKER<br>PANEL PPF |                  |                  |          |          |                  | SURFACE MOUNTED |
|----------------------------------------------------------------------------------------|------------------|------------------|----------|----------|------------------|-----------------|
| CKT                                                                                    | LOAD DESCRIPTION | BREAKER POLE/AMP | LOAD KVA | AMP POLE | LOAD DESCRIPTION | CKT             |
| 1                                                                                      | PANEL 2PF        | 1                | 100      | 4.70     | ↑                | 2               |
| 3                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 4               |
| 5                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 6               |
| 7                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 8               |
| 9                                                                                      | ↑                | ↑                | ↑        | ↑        | ↑                | 10              |
| 11                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 12              |
| 13                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 14              |
| 15                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 16              |
| 17                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 18              |
| 19                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 20              |
| 21                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 22              |
| 23                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 24              |
| 25                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 26              |
| 27                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 28              |
| 29                                                                                     | ↑                | ↑                | ↑        | ↑        | ↑                | 30              |
| TOTAL CONNECTED LOAD: 46.02 KVA                                                        |                  |                  |          |          |                  |                 |
| MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL                                 |                  |                  |          |          |                  |                 |
| Ⓢ PROVIDE HACR TYPE C.B. VERIFY SIZE WITH EQUIPMENT                                    |                  |                  |          |          |                  |                 |



PINGERMARTIN ASSOCIATES INC.  
1001 N. 12th AVENUE  
PENSACOLA, FL 32501  
850-439-9110  
AAS0000896

PROJECT:  
5 CLASSROOM ADDITION  
LOCATION:  
WEST NAVARRIE INTERMEDIATE SCHOOL  
1970 COTTON BAY LANE  
NAVARRE, FL 32566

CONSULTANTS:  
JEHL-HALSTEAD INC.  
49 EAST CHASE STREET  
PENSACOLA, FL 32502  
CRAFT & WEBSTER  
ELECTRICAL ENGINEERING, INC.  
129 HIGHPOINT DRIVE  
GULF BREEZE, FL 32561  
GULF BREEZE CONSULTING, INC.  
139 EAST GOVERNMENT STREET  
PENSACOLA, FL 32502  
ADAMS CONSULTING  
ENGINEERING, INC.  
10000 N. 12th AVENUE  
PENSACOLA, FL 32502



WEST NAVARRIE INTERMEDIATE

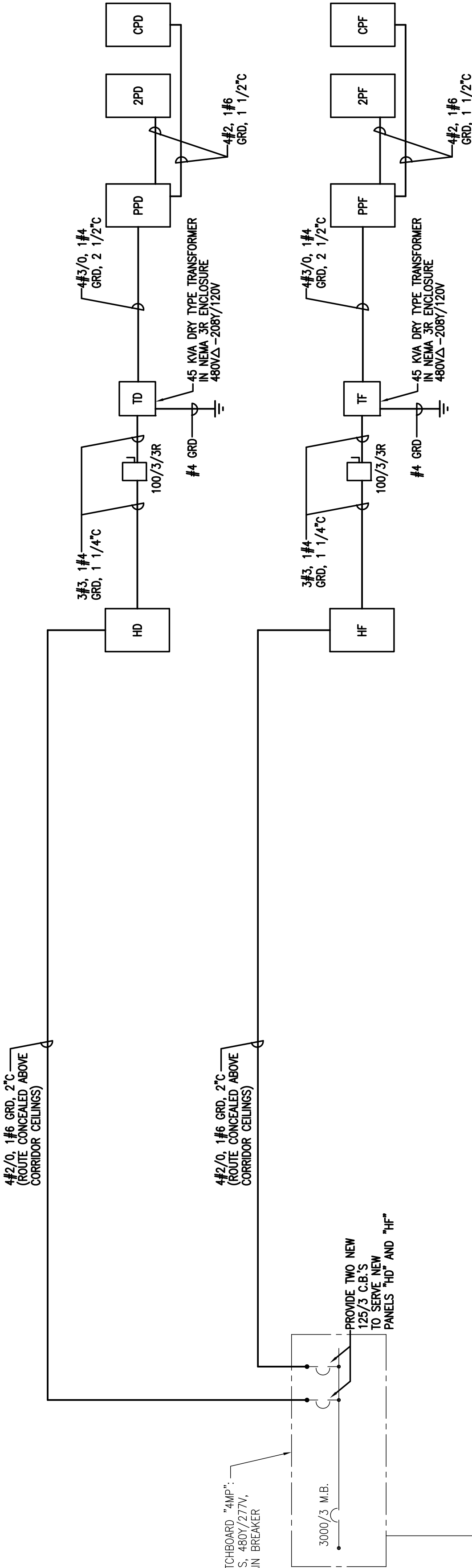
| No. | Revision/Issue | Date |
|-----|----------------|------|
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SCOTT A. ADAMS  
OWNER OF RECORD  
PE 5798

DRAWN BY:  
SAA  
CHECKED BY:  
SAA  
PINGERMARTIN ASSOCIATES, INC.  
PROJECT #:  
21118.03  
REVIEW:  
06-06-11  
PERMITTING:  
06-06-11  
RELEASE FOR BIDDING:  
06-15-11

PANEL SCHEDULES AND POWER RISER DIAGRAM

E5.0  
21118.03 E5.0



POWER RISER DIAGRAM – NEW CLASSROOM ADDITION

EXISTING  
NEW

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SCOTT A. ADAMS, P.E. FL LICENSE No. 57949