

| EQUIPMENT SERVED | XFMR TYPE | NOTES |
|---------------------|------------------------------------|--|
| PANEL DR1C | STD | 1 |
| PANEL ML1C | STD | 1 |
| PANEL SL1C | STD | 1 |
| | SERVED PANEL DR1C PANEL ML1C | EQUIPMENT SERVED TYPE PANEL DR1C STD PANEL ML1C STD |

| GENERAL NOTES (POWER RISER DIAGRAM): |
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| A. REFER TO SCHEDULE OF TRANSFORMERS ON THIS SHEET FOR TRANSFORM SECONDARY CONDUCTOR AND CONDUIT SIZES. |
| B. PROVIDE ALUMINUM CONDUCTORS FOR AWG SIZE #2 THROUGH #750. ALUMIN CONDUCTORS ARE INDICATED WITH "AL". |
| C. GROUNDING CONDUCTORS SMALLER THAN AWG SIZE #2 SHALL BE COPPER. |
| SPECIFIC NOTES (POWER RISER DIAGRAM): |
| 1 GENERATOR CONTROL PANEL: PROVIDE GENERATOR CONTROL PANEL W GENERATOR MANUFACTURER'S REQUIREMENTS IN CONDUIT BETWEEN GE PANEL AND ASSOCIATED AUTOMATIC TRANSFER SWITCHES. PROVIDE WIR FROM GENERATOR CONTROL PANEL TO GENERATOR REMOTE ANNUNCIAT IN EMERGENCY ELECTRICAL ROOM. |
| 2 PROVIDE 3P-400A-480V (400A FRAME) ELECTRONIC TRIP CIRCUIT BREAKER STAND-BY LOADS. MOUNT CIRCUIT BREAKER WITH GENERATOR ENCLOSE CONNECTIONS. COORDINATE LOCATION OF CIRCUIT BREAKER WITH GENE MANUFACTURER. |
| 3 PROVIDE 3P-100A-480V (100A FRAME) ELECTRONIC TRIP CIRCUIT BREAKER PUMP AND EMERGENCY (LIFE SAFETY) LOADS. MOUNT CIRCUIT BREAKER ENCLOSURE AND MAKE CONNECTIONS. COORDINATE LOCATION OF CIRCU GENERATOR MANUFACTURER. |
| 4 PROVIDE 225A GENERATOR DOCKING STATION IN NEMA TYPE 3R ENCLOSU 100A CIRCUIT BREAKER KIRK KEY INTERLOCKED WITH GENERATOR CIRCUI EMERGENCY (LIFE SAFETY) LOADS. PROVIDE WITH CONNECTIONS TO LOA TRANSFER SWITCH <u>ATS-1</u> , AND PORTABLE MOBILE GENERATOR. SIZE FEEL CONNECTION AT 225A. PROVIDE TRYSTAR MODEL SBDS-6, OR APPROVED F ON FRONT OF GENERATOR DOCKING STATION TO READ AS FOLLOWS: "SE TRANSFER SWITCH (ATS-1) IN MAIN ELECTRICAL ROOM, 277/480V, 3-PHASE DETAIL 8/E504 FOR ADDITIONAL INFORMATION. |
| 5 GDS-E OUTPUT FEEDER #1: 4#1AL + #8 G - 2*C. |
| (6) PROVIDE 3P-100A-480V (100A FRAME), SERVICE ENTRANCE RATED, ELECTR BREAKER IN NEMA TYPE 3R ENCLOSURE TO SERVE EMERGENCY LOADS. |
| (7) PROVIDE TWO (2) 4" CONDUITS INCLUDED IN THE 8-WAY CONCRETE ENCAS UTILITY PRIMARY SERVICE FEEDERS. |
| 8 PROVIDE 15-WAY CONCRETE ENCASED DUCTBANK FOR UTILITY SECONDA |
| 9 PROVIDE 4#300AL + #4G 3" CONDUIT INCLUDED IN THE CONCRETE ENCASE DUCTBANK. FEEDER SIZED FOR LOAD BANK CONNECTION. |
| (10) PROVIDE TWO (2) SETS OF (4#250AL + #1AL G) OPTIONAL STAND-BY POWEF 3*C INCLUDED IN THE CONCRETE ENCASED GENERATOR DUCTBANK. |
| (11) PROVIDE 4#1AL + #8G EMERGENCY POWER FEEDER IN ONE (1) 4*C INCLUDE ENCASED GENERATOR DUCTBANK. |
| (12) PROVIDE 1-1/4* EMPTY CONDUIT WITH PULL ROPE FOR CONNECTION TO UT (PROVIDED BY THE UTILITY). |
| (13) PROVIDE 3P-100A-600V NON-FUSED ENCLOSED SWITCH IN NEMA TYPE 1 EN |
| (14) PROVIDE 4#1AL + #8G - 1-1/4"C. |
| (15) PROVIDE 3P-100A-600V FUSED ENCLOSED SWITCH IN NEMA TYPE 1 ENCLOSED THREE (3) 100A CLASS J CURRENT LIMITING FUSES. |
| (16) PROVIDE 3P-400A-600V NON-FUSED ENCLOSED SWITCH IN NEMA TYPE 1 EN |
| (17) PROVIDE TWO (2) SETS OF (4#250AL + #3 G - 2-1/2"C). |
| (18) PROVIDE 3P-400A-600V FUSED ENCLOSED SWITCH IN NEMA TYPE 1 ENCLOSED THREE (3) 100A CLASS J CURRENT LIMITING FUSES. |
| (19) PROVIDE 4P-100A AUTOMATIC TRANSFER SWITCH TO SERVE EMERGENCY MINIMUM UL 1008 WITHSTAND AND CLOSING RATING OF 65KAIC. |

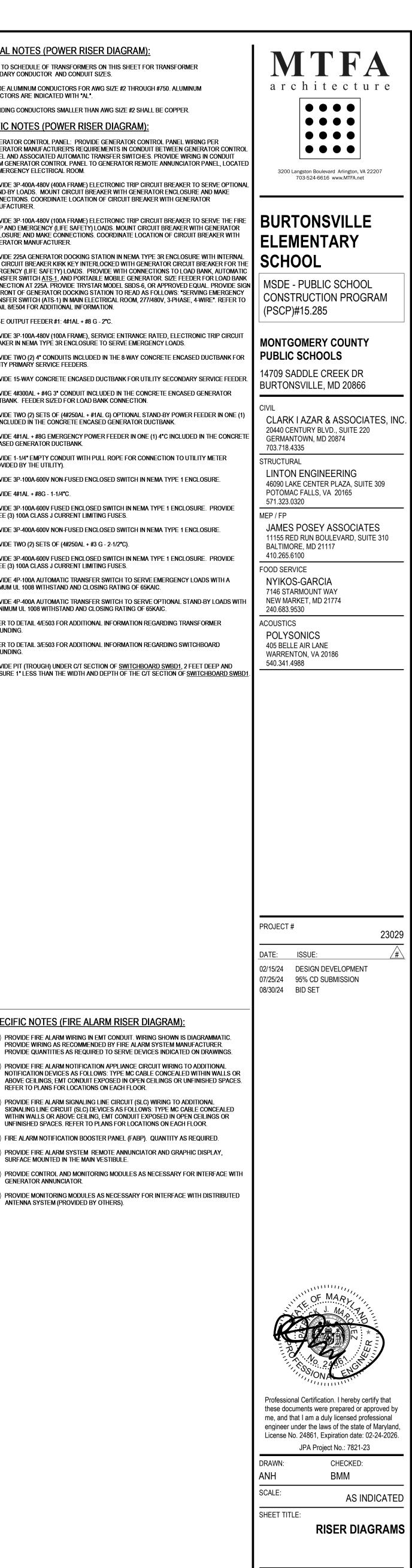
- (20) PROVIDE 4P-400A AUTOMATIC TRANSFER SWITCH TO SERVE OPTIONAL STAND-BY LOADS WITH A MINIMUM UL 1008 WITHSTAND AND CLOSING RATING OF 65KAIC.
- (21) REFER TO DETAIL 4/E503 FOR ADDITIONAL INFORMATION REGARDING TRANSFORMER GROUNDING.
- (22) REFER TO DETAIL 3/E503 FOR ADDITIONAL INFORMATION REGARDING SWITCHBOARD GROUNDING.
- (23) PROVIDE PIT (TROUGH) UNDER C/T SECTION OF <u>SWITCHBOARD SWBD1</u>, 2 FEET DEEP AND MEASURE 1" LESS THAN THE WIDTH AND DEPTH OF THE C/T SECTION OF <u>SWITCHBOARD SWBD1</u>.

SPECIFIC NOTES (FIRE ALARM RISER DIAGRAM):

PROVIDE WIRING AS RECOMMENDED BY FIRE ALARM SYSTEM MANUFACTURER. PROVIDE QUANTITIES AS REQUIRED TO SERVE DEVICES INDICATED ON DRAWINGS. PROVIDE FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT WIRING TO ADDITIONAL NOTIFICATION DEVICES AS FOLLOWS: TYPE MC CABLE CONCEALED WITHIN WALLS OR ABOVE CEILINGS; EMT CONDUIT EXPOSED IN OPEN CEILINGS OR UNFINISHED SPACES.

REFER TO PLANS FOR LOCATIONS ON EACH FLOOR.

- 3 PROVIDE FIRE ALARM SIGNALING LINE CIRCUIT (SLC) WIRING TO ADDITIONAL SIGNALING LINE CIRCUIT (SLC) DEVICES AS FOLLOWS: TYPE MC CABLE CONCEALED WITHIN WALLS OR ABOVE CEILING, EMT CONDUIT EXPOSED IN OPEN CEILINGS OR UNFINISHED SPACES. REFER TO PLANS FOR LOCATIONS ON EACH FLOOR.
- (4) FIRE ALARM NOTIFICATION BOOSTER PANEL (FABP). QUANTITY AS REQUIRED.) PROVIDE FIRE ALARM SYSTEM REMOTE ANNUNCIATOR AND GRAPHIC DISPLAY, SURFACE MOUNTED IN THE MAIN VESTIBULE.
- (6) PROVIDE CONTROL AND MONITORING MODULES AS NECESSARY FOR INTERFACE WITH GENERATOR ANNUNCIATOR.
- (7) PROVIDE MONITORING MODULES AS NECESSARY FOR INTERFACE WITH DISTRIBUTED ANTENNA SYSTEM (PROVIDED BY OTHERS).



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SHEET #

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