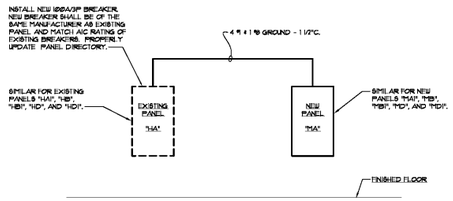
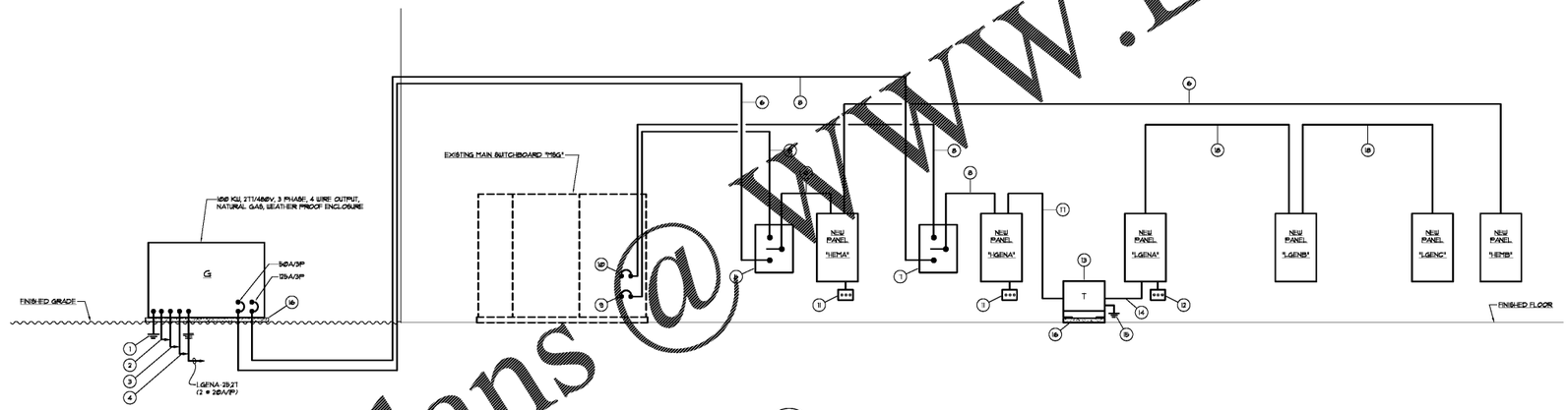


1 / E4.3 RISER DIAGRAM

NOT TO SCALE



2 / E4.3 RISER DIAGRAM

NOT TO SCALE

RISER LEGEND FOR 2/E4.3

1. 1 #3/0 GROUND - 3/4" C.
2. INSTALL 1 # 2" C. TO ACCOMMODATE CONTROL WIRING TO NON-LIFE SAFETY ATS.
3. INSTALL 1 # 2" C. TO ACCOMMODATE CONTROL WIRING TO LIFE SAFETY ATS.
4. INSTALL 1" C. TO ACCOMMODATE SIGNAL WIRING TO REMOTE GENERATOR ANNUNCIATOR.
5. 260A RATED ATS
6. 4 #3/0 + 1 #6 GROUND - 1" C.
7. 125A RATED ATS
8. 4 #1/0 + 1 #6 GROUND - 2" C.
9. INSTALL A NEW 60A/3P BREAKER. NEW BREAKER SHALL BE OF THE SAME MANUFACTURER AS EXISTING SWITCHBOARD AND MATCH AIC RATING OF EXISTING BREAKERS. ANY MODIFICATIONS NEEDED TO EXISTING BUSSING TO ACCOMMODATE NEW BREAKER SHALL BE INCLUDED.
10. INSTALL A NEW 125A/3P BREAKER. NEW BREAKER SHALL BE OF THE SAME MANUFACTURER AS EXISTING SWITCHBOARD AND MATCH AIC RATING OF EXISTING BREAKERS. ANY MODIFICATIONS NEEDED TO EXISTING BUSSING TO ACCOMMODATE NEW BREAKER SHALL BE INCLUDED.
11. CURRENT TECHNOLOGY # CG2ND-277/480-3GY SURGE PROTECTION. (BASIS OF DESIGN)
12. CURRENT TECHNOLOGY # CG2ND-120/208-3GY SURGE PROTECTION. (BASIS OF DESIGN)
13. 45 KVA DRY TYPE TRANSFORMER, 480 VOLT DELTA PRIMARY, 208Y/120 VOLT 3PH SECONDARY
14. 4 #1/0 + 1 #6 GROUND - 2" C.
15. 1 #6 GROUND - 1/2" C.
16. CONCRETE PAD
17. 3 #3 + 1 #6 GROUND - 1 1/4" C.
18. 4 #4 + 1 #8 GROUND - 1 1/4" C.

BXA
Breaux & Associates
ARCHITECTS
5965 Shiloh Road East, Suite 200
Alpharetta, Georgia 30005 | (673) 565-4508

No. PE0029910
PROFESSIONAL ENGINEER
KEITH MATHIS
02-03-2015

MATHIS & ROBERDS
CONSULTING ENGINEERS
244 O'NEIL ROAD, SUITE 6
CANTON, GEORGIA 30115
TELEPHONE 770-213-8160

2019-693 | JRM

NO	DESCRIPTION	DATE

DUNLEITH ELEMENTARY SCHOOL
RENOVATIONS & MODIFICATIONS
120 SAINE DR. SW
MARIETTA, GA 30008

MARIETTA CITY SCHOOLS

RISER DIAGRAMS

DATE 08/30/2019

PROJECT NO. 18122

E4.3

Dunleith Elem School - Renovations