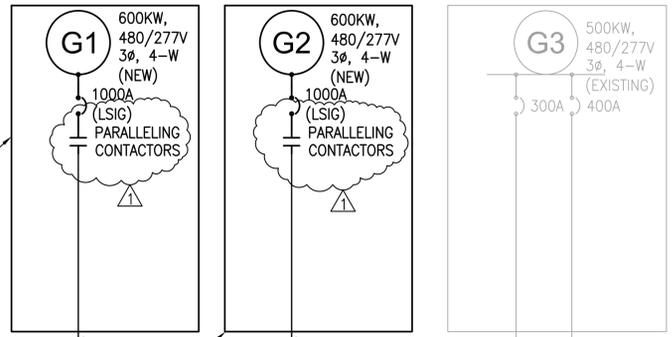


**MAIN ELECTRICAL ROOM - GYM BUILDING**

BGE UTILITY GRID  
BGE TRANSFORMER No. 400001  
34500-480/277V  
2000KVA

MAIN SWITCHBOARD  
BGE CT CABINET  
MAIN SERVICE CIRCUIT BREAKER CABINET  
2000A SIEMENS "WLS2F320" (LSIG)  
DISTRIBUTION CABINET

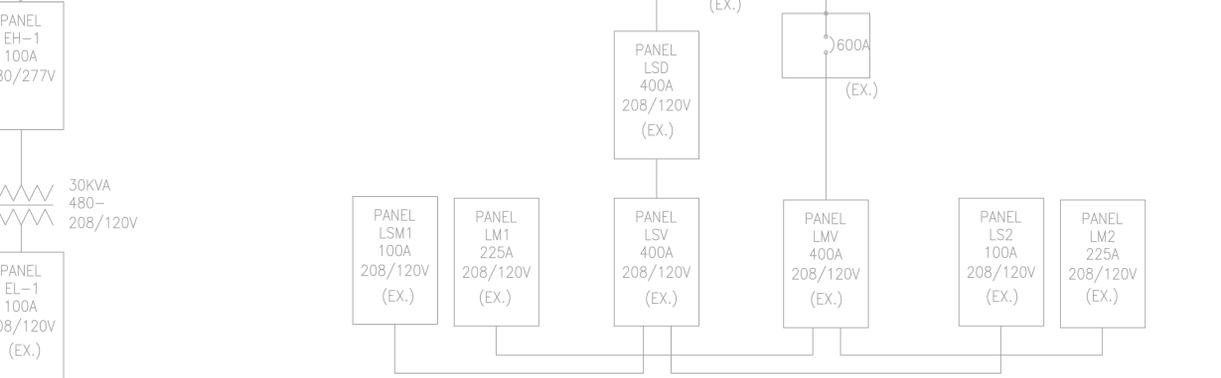
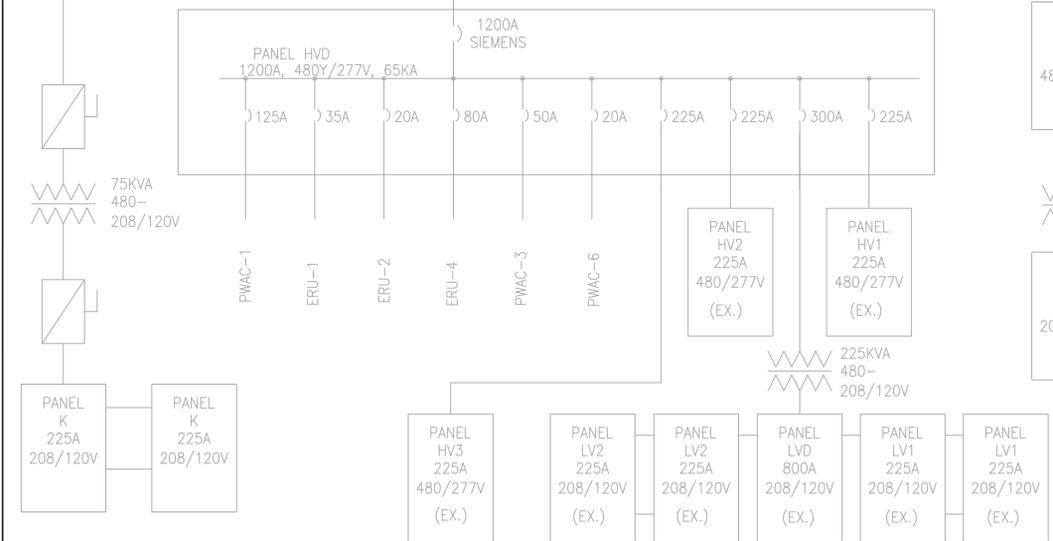


- NEW WORK KEY NOTES:**
- GENERATOR 600KW, 480/277V, 0.8PF WITH WEATHERPROOF ENCLOSURE AND DIGITAL PARALLELING SYSTEM
  - SWITCHGEAR EDP 2000A, 480/277V, MLO, WEATHERPROOF ENCLOSURE.
  - NEW CIRCUIT BREAKER 800A, 480V, 3-POLE.
  - AUTOMATIC TRANSFER SWITCH ATS-1, 1200A, 480V, 4-POLE, NEMA 3R WEATHERPROOF ENCLOSURE, FRONT CONNECTED.
  - AUTOMATIC TRANSFER SWITCH ATS-2, 800A, 480V, 4-POLE, NEMA 3R WEATHERPROOF ENCLOSURE, FRONT CONNECTED.
  - AUTOMATIC TRANSFER SWITCH ATS-3, 400A, 480V, 4-POLE, NEMA 3R WEATHERPROOF ENCLOSURE, FRONT CONNECTED.
  - AUTOMATIC TRANSFER SWITCH ATS-4, 400A, 480V, 3-POLE, NEMA 3R WEATHERPROOF ENCLOSURE, FRONT CONNECTED.
  - PANEL GDP 800A, 480/277V, 3-PHASE, 4-WIRE, MLO.
  - REPLACE EXISTING ATS-5 WITH NEW AUTOMATIC TRANSFER SWITCH 400A, 480V, 4-POLE.

**FEEDER SCHEDULE**

FEEDER TAG	NO. OF SETS	PHASE WIRE SIZE (AWG/KCMIL)	FULL NEUTRAL WIRE SIZE (AWG/KCMIL)	GROUND WIRE SIZE (AWG/KCMIL)	CONDUIT SIZE (INCH)
1200	4	3-350	1-350	1-3/0	3"
1000	4	3-250	1-250	1-2/0	2-1/2"
800	3	3-300	1-300	1-1/0	3"
400	1	3-500	1-500	1-3	3"
400C	1	3-500	N/A	1-3	3"
225	1	3-4/0	1-4/0	1-4	2-1/2"

**MAIN ELECTRICAL ROOM - CA BUILDING**



DRAWN BY AL  
DESIGNED BY AL  
REVIEWED BY MB

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 45509 EXPIRATION DATE: 06-04-2016

**1 SINGLE LINE DIAGRAM - NEW WORK**  
E-602/E-602 SCALE: NTS

**CCJM** ENGINEERING INFRASTRUCTURE SOLUTIONS  
Washington, D.C.

**JVP Engineers, P.C.**  
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Washington, DC 20016-4140  
Tel: (202) 362-3001  
Fax: (202) 362-5541

11/06/2014  
BID ISSUE

DISTRICT OF COLUMBIA  
DEPARTMENT OF GENERAL SERVICES

NEW BEGINNINGS YOUTH CENTER  
8400 RIVER ROAD  
LAUREL, MD. 20742

DYRS NEW GENERATOR INSTALLATION  
**SINGLE LINE DIAGRAM - NEW WORK**

SCALE: AS SHOWN DATE: 08/15/2014  
DRAWING NO. SHEET 25 OF 27

10 INCHES

E-604CR