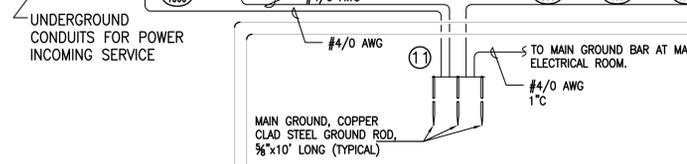
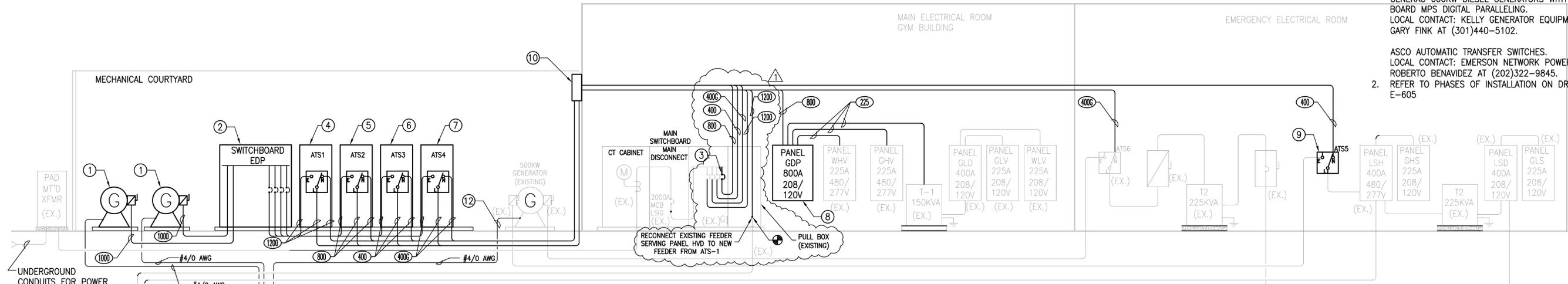


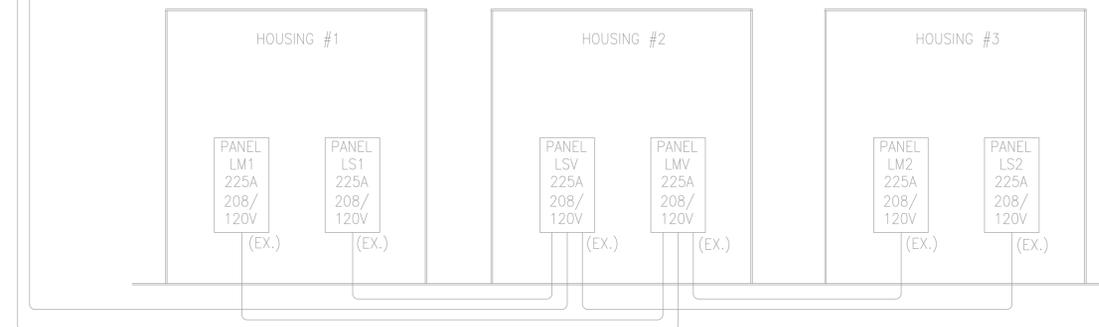
GENERAL NOTES

1. BASIS OF DESIGN:
 GENERAC 600KW DIESEL GENERATORS WITH ON BOARD MP5 DIGITAL PARALLELING.
 LOCAL CONTACT: KELLY GENERATOR EQUIPMENT – GARY FINK AT (301)440-5102.

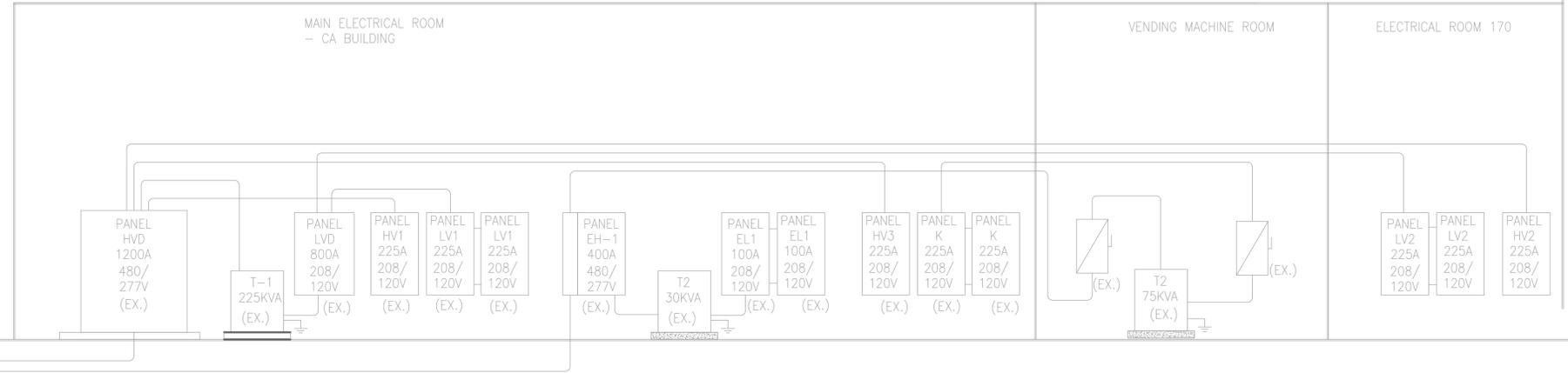
 ASCO AUTOMATIC TRANSFER SWITCHES.
 LOCAL CONTACT: EMERSON NETWORK POWER – ROBERTO BENAVIDEZ AT (202)322-9845.
2. REFER TO PHASES OF INSTALLATION ON DRAWING E-605



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"



- NEW WORK KEY NOTES:**
1. GENERATOR 600KW, 480/277V, WITH WEATHERPROOF ENCLOSURE AND DIGITAL PARALLELING SYSTEM.
 2. SWITCHGEAR EDP 2000A, 480/277V, MLO, WEATHERPROOF ENCLOSURE.
 3. NEW CIRCUIT BREAKER 800A, 480V, 3-POLE.
 4. AUTOMATIC TRANSFER SWITCH ATS-1, 1200A, 480V, 4-POLE, NEMA 3R WEATHERPROOF ENCLOSURE, FRONT CONNECTED.
 5. AUTOMATIC TRANSFER SWITCH ATS-2, 800A, 480V, 4-POLE, NEMA 3R WEATHERPROOF ENCLOSURE, FRONT CONNECTED.
 6. AUTOMATIC TRANSFER SWITCH ATS-3, 400A, 480V, 4-POLE, NEMA 3R WEATHERPROOF ENCLOSURE, FRONT CONNECTED.
 7. AUTOMATIC TRANSFER SWITCH ATS-4, 400A, 480V, 3-POLE, NEMA 3R WEATHERPROOF ENCLOSURE, FRONT CONNECTED.
 8. PANEL GDP 800A, 480/277V, 3-PHASE, 4-WIRE, MLO.
 9. AUTOMATIC TRANSFER SWITCH ATS-5, 400A, 480V, 4-POLE, NEMA 1 ENCLOSURE, FRONT CONNECTED.
 10. PULL BOX 7"x40"x22" WEATHERPROOF TYPE.
 11. NEW GROUNDING SYSTEM FOR CONNECTING NEW GROUNDING ELECTRODES CONDUCTOR FROM GENERATORS. CONNECT TO EXISTING MAIN GROUND BAR IN MAIN ELECTRICAL ROOM.
 12. PROVIDE NEW GROUNDING ELECTRODE CONDUCTOR TO EXISTING 500KW GENERATOR. CONNECT TO NEW GROUNDING ELECTRODES FOR GENERATORS.



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
POWER RISER DIAGRAM - NEW WORK

POWER RISER DIAGRAM - NEW WORK
 SCALE: NTS

CCJM ENGINEERING INFRASTRUCTURE SOLUTIONS
 Washington, D.C.

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 Tel: (202) 362-3001
 Fax: (202) 362-5541

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

SCALE: AS SHOWN DATE: 08/15/2014
 DRAWING NO. SHEET 23 OF 27

E-602CR