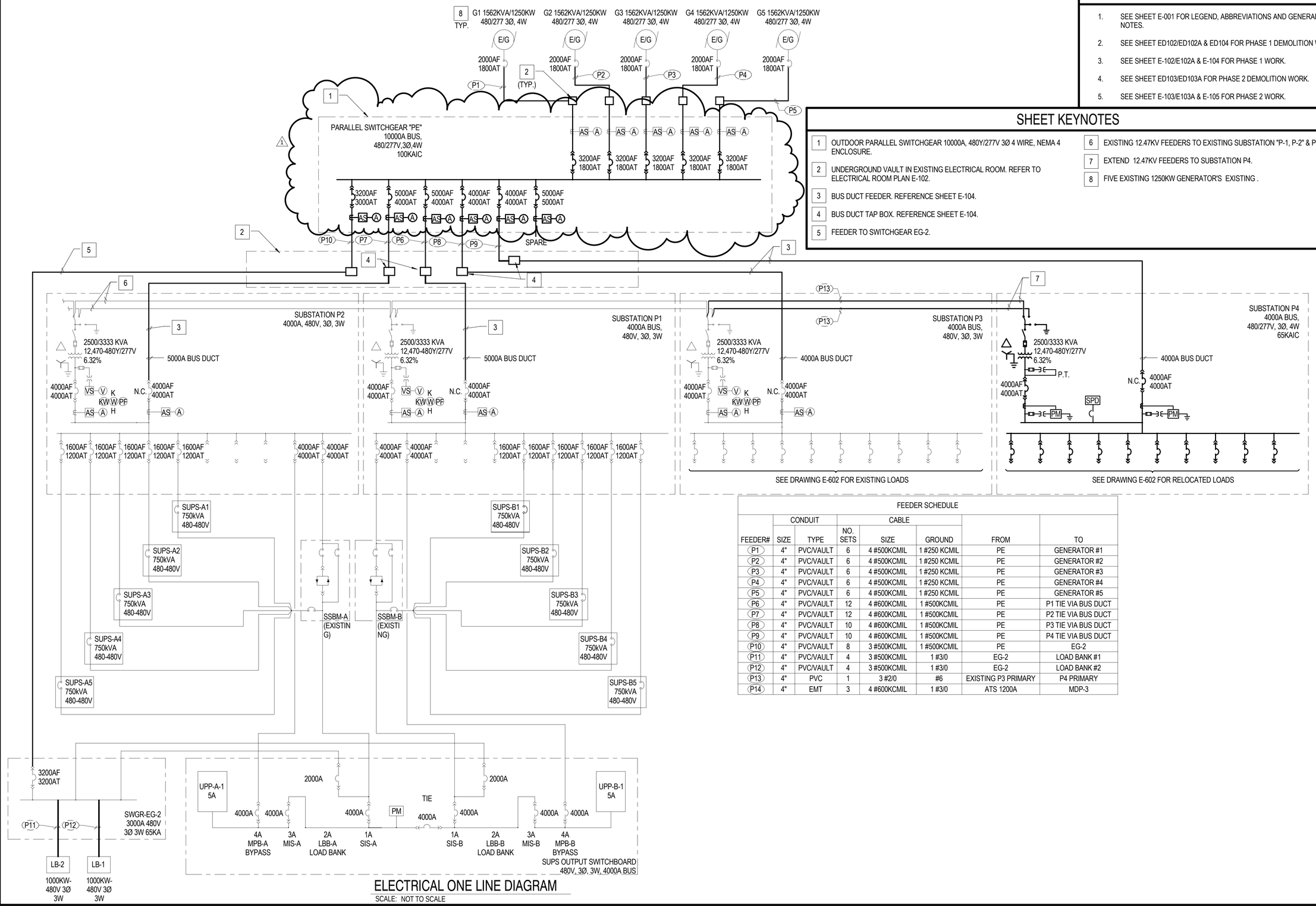
GENERAL SHEET NOTES

1. SEE SHEET E-001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. SEE SHEET ED102/ED102A & ED104 FOR PHASE 1 DEMOLITION WORK.
3. SEE SHEET E-102/E102A & E-104 FOR PHASE 1 WORK.
4. SEE SHEET ED103/ED103A FOR PHASE 2 DEMOLITION WORK.
5. SEE SHEET E-103/E103A & E-105 FOR PHASE 2 WORK.

SHEET KEYNOTES

1. OUTDOOR PARALLEL SWITCHGEAR 10000A, 480Y/277V 3Ø 4 WIRE, NEMA 4 ENCLOSURE.
2. UNDERGROUND VAULT IN EXISTING ELECTRICAL ROOM. REFER TO ELECTRICAL ROOM PLAN E-102.
3. BUS DUCT FEEDER. REFERENCE SHEET E-104.
4. BUS DUCT TAP BOX. REFERENCE SHEET E-104.
5. FEEDER TO SWITCHGEAR EG-2.
6. EXISTING 12.47KV FEEDERS TO EXISTING SUBSTATION "P-1, P-2" & P3".
7. EXTEND 12.47KV FEEDERS TO SUBSTATION P4.
8. FIVE EXISTING 1250KW GENERATOR'S EXISTING .



ELECTRICAL ONE LINE DIAGRAM

SCALE: NOT TO SCALE

FEEDER SCHEDULE

FEEDER#	CONDUIT SIZE	CONDUIT TYPE	CABLE NO. SETS	CABLE SIZE	CABLE GROUND	FROM	TO
P1	4"	PVC/VAULT	6	4 #500KCMIL	1 #250 KCMIL	PE	GENERATOR #1
P2	4"	PVC/VAULT	6	4 #500KCMIL	1 #250 KCMIL	PE	GENERATOR #2
P3	4"	PVC/VAULT	6	4 #500KCMIL	1 #250 KCMIL	PE	GENERATOR #3
P4	4"	PVC/VAULT	6	4 #500KCMIL	1 #250 KCMIL	PE	GENERATOR #4
P5	4"	PVC/VAULT	6	4 #500KCMIL	1 #250 KCMIL	PE	GENERATOR #5
P6	4"	PVC/VAULT	12	4 #600KCMIL	1 #500KCMIL	PE	P1 TIE VIA BUS DUCT
P7	4"	PVC/VAULT	12	4 #600KCMIL	1 #500KCMIL	PE	P2 TIE VIA BUS DUCT
P8	4"	PVC/VAULT	10	4 #600KCMIL	1 #500KCMIL	PE	P3 TIE VIA BUS DUCT
P9	4"	PVC/VAULT	10	4 #600KCMIL	1 #500KCMIL	PE	P4 TIE VIA BUS DUCT
P10	4"	PVC/VAULT	8	3 #500KCMIL	1 #500KCMIL	PE	EG-2
P11	4"	PVC/VAULT	4	3 #500KCMIL	1 #3/0	EG-2	LOAD BANK #1
P12	4"	PVC/VAULT	4	3 #500KCMIL	1 #3/0	EG-2	LOAD BANK #2
P13	4"	PVC	1	3 #2/0	#6	EXISTING P3 PRIMARY	P4 PRIMARY
P14	4"	EMT	3	4 #600KCMIL	1 #3/0	ATS 1200A	MDP-3

SYM	DESCRIPTION	DATE	APPR
1	AMENDMENT NO. 2	06/30/2015	IL KIM

NAVFAC

STATE OF MARYLAND IL H. KIM No. 28792 PROFESSIONAL ENGINEER SEAL

WRA Whitman, Requardt & Associates, LLP
801 South Caroline Street, Baltimore, Maryland 21231

A/E INFO

APPROVED: David W. Drumfield
FOR COMMANDER NAVFAC

ACTIVITY: DISA WMD/MPE2

SATISFACTORY TO DATE 03/19/2015

DES IHK DRW TPB CHK AP
PM/CM BHD/BEG
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROT. ENG.

NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK VIRGINIA
DEPARTMENT OF THE NAVY
NORTHEAST BRF
NSA MECHANICSBURG
MECHANICSBURG, PENNSYLVANIA
BUILDING 308 ESSENTIAL BUS AND GENERATOR SYSTEM EQUIPMENT INSTALLATION
ELECTRICAL ONE LINE DIAGRAM

SCALE: NOT TO SCALE
EPROJECT NO.: 1321797
CONSTR. CONTR. NO. N40085-15-R-8719
NAVFAC DRAWING NO. 12691192
SHEET 83 OF 94

E-601

DRAWFORM REVISION: 10 MARCH 2009