NEW SWITCHGEAR
001 4438 SCA
50D VAC 1200A 500MVA
52
SEPAM 1000+
50/51
50N/51N
001-01
1200: 5
3Φ CONTRIBUTION= 3337A @ 12KV, X/R=2.6
PEPCO FDR #141
3Φ CONTRIBUTION= 4376A @ 12KV, X/R=3.43
001-02
BLDG 20
001-03
50: 5
136' 1-#4/O EPR
TCC 00-01
001-04
MV SWITCH #1
002 4417 SCA
002-01
50D DIN 50E
123' 1-#2/O EPR
TO BLDG 13 XFMR T-13A CONTINUED ON DRW. # 25823596-002
002-02
50D DIN 15E
128' 1-#2/O EPR
TO BLDG 13 XFMR T-13B CONTINUED ON DRW. # 25823596-002
630' 1-#4/O EPR
MV SWITCH #3
007 4331 SCA
007-01
50D DIN 15E
410' 1-#2/O EPR
TO BLDG 5 XFMR T-5 CONTINUED ON DRW. # 25823596-002
007-02
50D DIN 50E
118' 1-#2/O EPR
TO BLDG 15 XFMR T-15 CONTINUED ON DRW. # 25823596-003
95' 1-#4/O EPR
MV SWITCH #2
005 4351 SCA
005-01
50D DIN 50E
143' 1-#2/O EPR
TO BLDG 17 XFMR T-17 CONTINUED ON DRW. # 25823596-002
445' 1-#4/O EPR
MV SWITCH #4
021 4330 SCA
021-01
50D DIN 10DE
330' 1-#2/O EPR
TO BLDG 1 XFMR T-1-5 CONTINUED ON DRW. # 25823596-006
021-02
50D DIN 30E
30' 1-#2/O EPR
TO BLDG 1 XFMR T-1-4 CONTINUED ON DRW. # 25823596-006
021-03
50D DIN 50E
113' 1-#2/O EPR
TO BLDG 1 XFMR T-1-1 CONTINUED ON DRW. # 25823596-008
021-04
50D DIN 20E
60' 1-#2/O EPR
TO BLDG 18 XFMR T-19A CONTINUED ON DRW. # 25823596-005
45' 1-#4/O EPR
MV SWITCH #5
017 4330 SCA
017-01
50D DIN 50E
65' 1-#2/O EPR
TO BLDG 1 XFMR T-1-2 CONTINUED ON DRW. # 25823596-007
017-02
50D DIN 20E
95' 1-#2/O EPR
TO BLDG 1 XFMR T-19B CONTINUED ON DRW. # 25823596-005
017-03
50D DIN 65E
75' 1-#2/O EPR
TO BLDG 1 XFMR T-1-3 CONTINUED ON DRW. # 25823596-006
290' 1-#4/O EPR
MV SWITCH #6
015 4336 SCA
015-01
50D DIN 50E
175' 1-#2/O EPR
TO BLDG 7 XFMR T-7 CONTINUED ON DRW. # 25823596-002
730' 1-#4/O EPR
MV SWITCH #7
010 4396 SCA
010-01
50D DIN 15DE
40' 1-#2/O EPR
TO BLDG CLINICAL ADD. XFMR T-1A-3 CONTINUED ON DRW. # 25823596-004
020-01
TAP
1' 1-#2/O EPR
TO BLDG CLINICAL ADD. XFMR T-1A-1 CONTINUED ON DRW. # 25823596-004
20' 1-#2/O EPR
TO BLDG CLINICAL ADD. XFMR T-1A-2 CONTINUED ON DRW. # 25823596-004
40' 1-#2/O EPR
TO BLDG CLINICAL ADD. XFMR T-1A-3 CONTINUED ON DRW. # 25823596-004

ABBREVIATIONS

Conduit	Conduit
Aluminum	Aluminum
Amperage	Amp
Ampere Frame	AF
Arc Flash Boundary	AFB
Arc Flash Hazard	AFH
Arc Resistant	AR
Arc Resistant Switchgear	ARSWG
Automatic Switch Co	ASCO
ASEA Brown Boveri	ABB
Automatic Transfer Switch	ATS
Bolted Fault Current	BFC
Bottom	BOT
Breaker	BKR
Bus	BUS
Bussmann	BUSS
Cable	CBL
Capacitor	CAP
Circuit Breaker	CB
Compact	CPT
Compact Circuit Breaker	CCB
Contactor	CONT
Control Power Transformer	CPT
Copper	CU
Current Limiting Fuse	CLF
Current Transformer	CT
Cutler-Hammer	CH
Delta	DELTA
Delta-Wye	DELTA-WYE
Distribution Panel	DP
Drawing	DWG
Dry Type	DRY
Electrical	ELEC
Electrical Contractor	EC
Electrical Equipment Room	EER
Electrical Metallic Tubing	EMT
Electrical Power Monitor	EPM
Electrical Room	ER
Emergency	EMERG
Emergency Power Off	EPO
Engineer	ENGR
Equipment	EQUIP
Equipment Ground	EG
Existing	EXIST
Fahrenheit	F
Feeder	FDR
Fire Alarm	FA
Fire Pump	FP
Flexible Conduit	FLEX
Frame	FR
Frequency	FREQ
Fuse	FU
Ground	GND
Ground Bus	GB
Ground Fault	GF
Ground Fault Circuit Interrupter	GFCI
Ground Fault Protection	GFP
Ground Fault Relay	GFR
Hertz	HZ
High Leg	HL
Horsepower	HP
Hot Standby	HSB
Impedance	IMP
Incoming	INC
Instantaneous	INST
Interrupting Rating	IR
Kilo-Amperes	KA
Kilo-Amperes Interrupting	KAIR
Kilo-Volt	KV
Kilo-Volt Amperes	KVA
Kilo-Watt	KW
Kilo-Watt Hour	KWH
Lighting	LTG
Lighting Panel	LP
Line	LN
Line-to-Line	L-L
Line-to-Neutral	L-N
Low Voltage	LV
Main	MN
Main Breaker	MB
Main Lug	ML
Main Lug Only	MLO
Manufacturer	MFR
Maximum	MAX
Medium Voltage	MV
Metal Clad	MC
Metal Enclosed	ME
Minimum	MIN
Molded Case Circuit Breaker	MCCB
Motor	MTR
Motor Control Center	MCC
Mounting	MTG
Neutral	N
Normal	NORM
Normally Closed	NC
Normally Open	NO
Number	NO.
Overcurrent	OC
Overcurrent Protection	OCP
Overcurrent Relay	OCR
Overload	OL
Panelboard	PNLBD
Phase	PH
Phase Angle	PA
Phase Rotation	PHR
Phase-to-Phase	PH-PH
Phase-to-Ground	PH-GND
Potential Transformer	PT
Power	PWR
Power Factor	PF
Primary	PRI
Protective Device	PD
Protective Device Coordination Study	PDCS
Pull Box	PB
Rated Interrupting Time	RIT
Rated Maximum Voltage	RMV
Rated Voltage	RV
Receptacle	REC
Relay	RLY
Remote	RMT
Remote Control	RC
Revision	REV
Rigid Metal Conduit	RMC
Rigid Nonmetallic Conduit	RNC
Schedule	SCH
Secondary	SEC
Secondary Unit Substation	SUS
Service	SERV
Service Entrance	SE
Service Entrance Rated	SER
Short Circuit	SC
Short Circuit Current	SCC
Short Circuit Current Rating	SCCR
Short Time	ST
Short Time Delay	STD
Single Line	SL
Solid Neutral	SN
Square D	SQD
Square D Company	SQUARE D
Standard	STD
Standard Ampere Ratings	SAR
Standard Frame	SF
Surge Protective Device	SPD
Switch	SW
Switchboard	SWBD
Switchgear	SWGR
Symmetrical	SYM
Symmetrical Amperes	SYMA
Symmetrical Interrupting	SYMI
Symmetrical Interrupting Capacity	SIC
Terminal	TERM
Thermal Magnetic	TM
Three Phase	3PH
Three Pole	3P
Three Wire	3W
Time Current Curve	TCC
Time Delay	TD
Time Delay Fuse	TDF
Time Delay Relay	TDR
Time Delay Trip	TDT
Top	TOP
Transformer	XFMR
Trip Unit	TU
Typical	TYP
Undervoltage	UV
Undervoltage Release	UVR
Uninterruptible Power Supply	UPS
Unit Substation	USS
Utility	UTIL
Voltage	V
Voltage Drop	VD
Voltage Rating	VR
Voltmeter	VM
Wattmeter	WM
Wire	W
Wye	WYE
Zone Selective Interlocking	ZSI

NOTES:
1) SCA - MAXIMUM AVAILABLE THREE-PHASE RMS SYMMETRICAL SHORT-CIRCUIT CURRENT AMPERES
2) ▭ BUS IDENTIFICATION NUMBER USED BY COMPUTER PROGRAM WHEN PERFORMING SHORT-CIRCUIT ANALYSIS.
3) ⬡ DEVICE IDENTIFICATION NUMBER USE BY COMPUTER PROGRAM WHEN PERFORMING TIME-CURRENT ANALYSIS.
4) ⟨SCC⟩ TIME-CURRENT CURVE SERIES CIRCUITS ILLUSTRATED IN REPORT
5) ALL LOW-VOLTAGE CABLES WERE CONSIDERED TO BE TYPE THHN, SINGLE CONDUCTOR COPPER, RUN IN STEEL CONDUIT UNLESS OTHERWISE NOTED.

SQUARE D COMPANY
Schneider Electric

DWG NO. 25823596-001
REVISIONS

SCALE	DRAWN	CHKD.	DATE
NTS	CAB		10/06/08

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