

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: BCP - 9205

Item Desc: HEA

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NF430L2

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	250	Amps
Main Breaker Type	KAL	Model #
Branch Breaker Type	EDB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	15	Used
Breaker Poles/Spaces Spares/Unused	15	Spare
NEMA Type	1	Number
AIC Rating	25	KAmps
Main Conductor Size Type / Al-Cu	THHN 2/0 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	1.0
[E] RMS Current Phase A/Amps	38.45
[E] THDC % Phase A/%THD	15.2
[E] RMS Voltage Phase B-C/Volts	476.3
[E] THDV % Phase B-C/%THD	1.3
[E] RMS Current Phase B/Amps	23.07
[E] THDC % Phase B/%THD	22.8
[E] RMS Voltage Phase C-A/Volts	476.3
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	26.92
[E] THDC % Phase C/%THD	10.0
[E] RMS Current GND/Amps	0.80
[E] THDC % Ground/%	26.0

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: BCP - 9206

Item Desc: RP2A

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD424M100CU

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	27	Used
Breaker Poles/Spaces Spares/Unused	3	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	202.6
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	4.10
[E] THDC % Phase A/%THD	28.1
[E] RMS Voltage Phase B-C/Volts	202.2
[E] THDV % Phase B-C/%THD	1.3
[E] RMS Current Phase B/Amps	21.47
[E] THDC % Phase B/%THD	9.1
[E] RMS Voltage Phase C-A/Volts	203.7
[E] THDV % Phase C-A/%THD	1.5
[E] RMS Current Phase C/Amps	8.80
[E] THDC % Phase C/%THD	6.8
[E] RMS Voltage Phase A-Neutral/Volts	118.1
[E] THDV % Phase A-Neutral/%THD	1.4
[E] RMS Voltage Phase B-Neutral/Volts	117.5
[E] THDV % Phase B-Neutral/%THD	1.1
[E] RMS Voltage Phase C-Neutral/Volts	117.5
[E] THDV % Phase C-Neutral/%THD	1.2
[E] RMS Current Neutral/Amps	6.30
[E] THDC % Neutral/%THD	22.6

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: BCP - 9207

Item Desc: RP2

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: GE

Model: AQF3302MT

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	MLO	Model #
Branch Breaker Type	THQB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	26	Used
Breaker Poles/Spaces Spares/Unused	4	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN 3/0 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN 3/0 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	202.2
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	7.61
[E] THDC % Phase A/%THD	20.4
[E] RMS Voltage Phase B-C/Volts	201.8
[E] THDV % Phase B-C/%THD	1.2
[E] RMS Current Phase B/Amps	22.93
[E] THDC % Phase B/%THD	8.5
[E] RMS Voltage Phase C-A/Volts	203.2
[E] THDV % Phase C-A/%THD	1.5
[E] RMS Current Phase C/Amps	17.70
[E] THDC % Phase C/%THD	13.6
[E] RMS Voltage Phase A-Neutral/Volts	117.5
[E] THDV % Phase A-Neutral/%THD	1.3
[E] RMS Voltage Phase B-Neutral/Volts	116.9
[E] THDV % Phase B-Neutral/%THD	1.1
[E] RMS Voltage Phase C-Neutral/Volts	116.9
[E] THDV % Phase C-Neutral/%THD	1.1
[E] RMS Voltage Neutral-GND/Volts	0.1
[E] RMS Current Neutral/Amps	6.5
[E] THDC % Neutral/%THD	38.4
[E] RMS Current GND/Amps	1.48
[E] THDC % Ground/%	52.1

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: BCP - 9208

Item Desc: HF

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: General Electric

Model: NHB

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Branch Breaker Type	TED	Model #
Breaker Poles/Spaces Total	22	Total
Breaker Poles/Spaces In Use	16	Used
Breaker Poles/Spaces Spares/Unused	6	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	#2 THW	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	#2 THW	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	0.06
[E] THDC % Phase A/%THD	97.4
[E] RMS Voltage Phase B-C/Volts	476.3
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	0.06
[E] THDC % Phase B/%THD	87.4
[E] RMS Voltage Phase C-A/Volts	476.3
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	0.07
[E] THDC % Phase C/%THD	95.3
[E] RMS Voltage Phase A-Neutral/Volts	272.5
[E] THDV % Phase A-Neutral/%THD	1.7
[E] RMS Voltage Phase B-Neutral/Volts	275.0
[E] THDV % Phase B-Neutral/%THD	1.5
[E] RMS Voltage Phase C-Neutral/Volts	275.0
[E] THDV % Phase C-Neutral/%THD	1.4
[E] RMS Current Neutral/Amps	0.05
[E] THDC % Neutral/%THD	99.1

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: DISC - 9209

Item Desc: RP2

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Siemens

Model: JN424

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	200	Amps

Application:

Safety Notes: Could not open equipment while in the on position

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: DISC - 9210

Item Desc: RECEIVING DOCK HEATER

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Siemens

Model: GF321N

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	30	Amps
Conductor Size/Type/Al-Cu	#10 THHN	kcmil/gauge
Fuse Type / Model #	FRN	Unitless
AIC Rating	200	KAmps
Phase Conductor Size / Type / Al-Cu	#10 THHN	kcmil/AWG

Application: Not in use

Safety Notes:

Equipment Variables

No Variable Data

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: DISC - 9211

Item Desc: SHIPPING DOCK HEATER

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Siemens

Model: GF321N

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	30	Amps
Conductor Size/Type/Al-Cu	#10 THHN	kcmil/gauge
Fuse Type / Model #	FRN	Unitless
AIC Rating	200	KAmps
Phase Conductor Size / Type / Al-Cu	#10 THHN	kcmil/AWG

Application: Not in use

Safety Notes:

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: DISC - 9212

Item Desc: RP1

Serial #:

Equip Type: Individual Disconnect Switch

Mfg:

Model:

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	200	Amps

Application:

Safety Notes: Could not open equipment while in on position

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: DISC - 9213

Item Desc: RP3

Serial #:

Equip Type: Individual Disconnect Switch

Mfg:

Model:

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	200	Amps

Application:

Safety Notes: Could not open equipment while in on position

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: MCCB - 9214

Item Desc: GENERATOR 2

Serial #:

Equip Type: Individual Molded Case Breakers > 400A

Mfg: Square D

Model: LAL364001021

Specifications	Value	Unit
Working Voltage	480	Volts
Breaker Type	LAL	Model #
Current Rating	400	Amps
Breaker Frame Rating	400	Amps
AIC Rating	30	KAmps
Number of Poles	3	Poles

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	471.4
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	168.7
[E] THDC % Phase A/%THD	3.8
[E] RMS Voltage Phase B-C/Volts	475.1
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	156.1
[E] THDC % Phase B/%THD	3.5
[E] RMS Voltage Phase C-A/Volts	473.9
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	156.7
[E] THDC % Phase C/%THD	3.5
[E] RMS Voltage Phase A-Neutral/Volts	270.6
[E] THDV % Phase A-Neutral/%THD	1.3
[E] RMS Voltage Phase B-Neutral/Volts	272.5
[E] THDV % Phase B-Neutral/%THD	1.5
[E] RMS Voltage Phase C-Neutral/Volts	273.8
[E] THDV % Phase C-Neutral/%THD	1.4
[E] RMS Voltage Neutral-GND/Volts	0.079
[E] RMS Current Neutral/Amps	26.9
[E] THDC % Neutral/%THD	20.1
[E] RMS Current GND/Amps	1.78
[E] THDC % Ground/%	8.9

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: SWG_DISC - 9215

Item Desc: MAIN SWITCHGEAR 2 DISC

Serial #:

Equip Type: Switchgear Safety Disconnects > 400A

Mfg: Pringle

Model: QA-1233

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	1200	Amps
Fuse Type / Model #	KRP	Unitless
Phase Conductor Size / Type / Al-Cu	2 x 500 MCM Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	2 x 1/0 Cu	kcmil/AWG
AIC Rating	200	KAmps
Continuous Amps Rating	900	Amps
Maximum Voltage	480	Volts

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	378.9
[E] THDC % Phase A/%THD	3.2
[E] RMS Voltage Phase B-C/Volts	478.8
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	390.1
[E] THDC % Phase B/%THD	2.6
[E] RMS Voltage Phase C-A/Volts	477.6
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	391.3
[E] THDC % Phase C/%THD	2.6

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: SWG_DISC - 9516

Item Desc: Panel HE Disconnect

Serial #:

Equip Type: Switchgear Safety Disconnects > 400A

Mfg: General Electric

Model: QMR366

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	600	Amps
Fuse Type / Model #	FRS - R - 600	Unitless
Phase Conductor Size / Type / Al-Cu	2 X 500MCM THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	2 X 500MCM THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	2 X 1/0 THHN Cu	kcmil/AWG
AIC Rating	200	KAmps
Continuous Amps Rating	600	Amps
Maximum Voltage	600	Volts

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	471.4
[E] THDV % Phase A-B/%THD	0.9
[E] RMS Current Phase A/Amps	219.0
[E] THDC % Phase A/%THD	5.7
[E] RMS Voltage Phase B-C/Volts	475.1
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	216.8
[E] THDC % Phase B/%THD	5.0
[E] RMS Voltage Phase C-A/Volts	473.9
[E] THDV % Phase C-A/%THD	1.1
[E] RMS Current Phase C/Amps	214.5
[E] THDC % Phase C/%THD	4.8
[E] RMS Voltage Phase A-Neutral/Volts	272.5
[E] THDV % Phase A-Neutral/%THD	1.3
[E] RMS Voltage Phase B-Neutral/Volts	273.8
[E] THDV % Phase B-Neutral/%THD	1.2
[E] RMS Voltage Phase C-Neutral/Volts	275.0
[E] THDV % Phase C-Neutral/%THD	1.2
[E] RMS Voltage Neutral-GND/Volts	0.027
[E] RMS Current Neutral/Amps	9.42
[E] THDC % Neutral/%THD	9.6
[E] RMS Current GND/Amps	1.42
[E] THDC % Ground/%	45.5

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: SWG_MAIN - 9218

Item Desc: Switchgear - 3

Serial #:

Equip Type: Switchgear - Incoming Main Service (Per Section)

Mfg: General Electric

Model: AV-Line

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	1200	Amps
# of Switches	6	Unitless
# of Bays	6	Unitless
AIC Rating	10	KAmps
Conductor or Bus Size / Type / Al-Cu	2 X 500MCM THHN Cu	kcmil/Amps
Number of Sections (a of b)	1	Unitless
Main Breaker or Switch Rating	MLO	Amps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.9
[E] RMS Current Phase A/Amps	334.2
[E] THDC % Phase A/%THD	4.3
[E] RMS Voltage Phase B-C/Volts	477.6
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	340.4
[E] THDC % Phase B/%THD	3.8
[E] RMS Voltage Phase C-A/Volts	475.1
[E] THDV % Phase C-A/%THD	1.1
[E] RMS Current Phase C/Amps	352.8
[E] THDC % Phase C/%THD	3.7
[E] RMS Voltage Phase A-Neutral/Volts	272.5
[E] THDV % Phase A-Neutral/%THD	1.2
[E] RMS Voltage Phase B-Neutral/Volts	273.8
[E] THDV % Phase B-Neutral/%THD	1.1
[E] RMS Voltage Phase C-Neutral/Volts	275.0
[E] THDV % Phase C-Neutral/%THD	1.1
[E] RMS Current Neutral/Amps	0.19
[E] THDC % Neutral/%THD	46.8
[E] RMS Current GND/Amps	7.14
[E] THDC % Ground/%	6.0

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: SWG_MAIN - 9219

Item Desc: Switchgear 2

Serial #:

Equip Type: Switchgear - Incoming Main Service (Per Section)

Mfg: General Electric

Model: AV-Line

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	1200	Amps
# of Switches	4	Unitless
# of Bays	2	Unitless
AIC Rating	200	KAmps
Conductor or Bus Size / Type / Al-Cu	2 X 1/4"X 6" BUSS	kcmil/Amps
Number of Sections (a of b)	2 OF 4	Unitless
Main Breaker or Switch Rating	1200	Amps
Spare Cells	1	Spare

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	378.9
[E] THDC % Phase A/%THD	3.2
[E] RMS Voltage Phase B-C/Volts	478.8
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	390.1
[E] THDC % Phase B/%THD	2.6
[E] RMS Voltage Phase C-A/Volts	477.6
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	391.3
[E] THDC % Phase C/%THD	2.6

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: SWG_MAIN - 9220

Item Desc: Switchgear 1

Serial #:

Equip Type: Switchgear - Incoming Main Service (Per Section)

Mfg: General Electric

Model: AV-Line

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	1200	Amps
# of Breakers	1	Unitless
# of Instruments	1	Unitless
# of Bays	1	Unitless
# of Panel Meters	1	Unitless
Breaker Types Installed	SKL	Unitless
AIC Rating	35	KAmps
Conductor or Bus Size / Type / Al-Cu	1/4" X 8" BUSS	kcmil/Amps
Number of Sections (a of b)	1	Unitless
Main Breaker or Switch Rating	1200	Amps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	499.4
[E] THDC % Phase A/%THD	4.2
[E] RMS Voltage Phase B-C/Volts	477.6
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	490.7
[E] THDC % Phase B/%THD	3.6
[E] RMS Voltage Phase C-A/Volts	477.6
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	494.4
[E] THDC % Phase C/%THD	3.7
[E] RMS Voltage Phase A-Neutral/Volts	273.8
[E] THDV % Phase A-Neutral/%THD	1.2
[E] RMS Voltage Phase B-Neutral/Volts	273.8
[E] THDV % Phase B-Neutral/%THD	1.2
[E] RMS Voltage Phase C-Neutral/Volts	275.0
[E] THDV % Phase C-Neutral/%THD	1.1
[E] RMS Voltage Neutral-GND/Volts	0.0
[E] RMS Current GND/Amps	5.52
[E] THDC % Ground/%	9.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: SWG_MAIN - 9221

Item Desc: Switchgear - 0

Serial #:

Equip Type: Switchgear - Incoming Main Service (Per Section)

Mfg: General Electric

Model: AV-Line

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	1200	Amps
# of Breakers	1	Unitless
# of Bays	3	Unitless
Breaker Types Installed	SGHA	Unitless
AIC Rating	35	KAmps
Conductor or Bus Size / Type / Al-Cu	3 X 500MCM THHN Cu	kcmil/Amps
Number of Sections (a of b)	1	Unitless
Main Breaker or Switch Rating	MLO	Amps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	477.6
[E] THDV % Phase A-B/%THD	0.9
[E] RMS Current Phase A/Amps	90.0
[E] THDC % Phase A/%THD	6.0
[E] RMS Voltage Phase B-C/Volts	478.8
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	87.5
[E] THDC % Phase B/%THD	6.5
[E] RMS Voltage Phase C-A/Volts	475.1
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	83.4
[E] THDC % Phase C/%THD	6.6
[E] RMS Voltage Phase A-Neutral/Volts	273.5
[E] THDV % Phase A-Neutral/%THD	1.3
[E] RMS Voltage Phase B-Neutral/Volts	277.5
[E] THDV % Phase B-Neutral/%THD	1.4
[E] RMS Voltage Phase C-Neutral/Volts	276.2
[E] THDV % Phase C-Neutral/%THD	1.2

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: SWG_MCCB - 9222

Item Desc: CMOP SUITE 2 MAIN

Serial #:

Equip Type: Switchgear Molded Case Breakers > 400A

Mfg: GE

Model: SKL036901200

Specifications	Value	Unit
Working Voltage	480	Volts
Breaker Type	SKL	Model #
Current Rating	1200	Amps
Breaker Frame Rating	1200	Amps
Plug Trip Rating	1200	Amps
AIC Rating	65	KAmps
Number of Poles	3	Poles

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	499.4
[E] THDC % Phase A/%THD	4.2
[E] RMS Voltage Phase B-C/Volts	477.6
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	490.7
[E] THDC % Phase B/%THD	3.6
[E] RMS Voltage Phase C-A/Volts	477.6
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	494.4
[E] THDC % Phase C/%THD	3.7
[E] RMS Voltage Phase A-Neutral/Volts	273.8
[E] THDV % Phase A-Neutral/%THD	1.2
[E] RMS Voltage Phase B-Neutral/Volts	273.8
[E] THDV % Phase B-Neutral/%THD	1.2
[E] RMS Voltage Phase C-Neutral/Volts	275.0
[E] THDV % Phase C-Neutral/%THD	1.1
[E] RMS Voltage Neutral-GND/Volts	0.0
[E] RMS Current GND/Amps	5.2
[E] THDC % Ground/%	9.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: main electrical rm

Tag ID: TRD - 9223

Item Desc:

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 150T3H

Specifications	Value	Unit
Configuration (Delta/Wye)	DELTA/WYE	Unitless
KVA Rating	150	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	180	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	416	Amps
Weight	915	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	5.1	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	THW 350 MCM Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	THW 350MCM Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	THHN 1/0 Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	476.3
[E] Pri THDV % Phase A-B/%	0.9
[E] Pri RMS Current Phase A/Amps	35.23
[E] Pri THDC % Phase A/%	9.4
[E] Pri RMS Voltage Phase B-C/Volts	481.2
[E] Pri THDV % Phase B-C/%	1.1
[E] Pri RMS Current Phase B/Amps	56.06
[E] Pri THDC % Phase B/%	7.5
[E] Pri RMS Voltage Phase C-A/Volts	480.0
[E] Pri THDV % Phase C-A/%	1.0
[E] Pri RMS Current Phase C/Amps	39.69
[E] Pri THDC % Phase C/%	9.5
[E] Pri RMS Voltage Phase A-N/Volts	273.8
[E] Pri THDV % Phase A-N/%	1.1
[E] Pri RMS Voltage Phase B-N/Volts	276.0
[E] Pri THDV % Phase B-N/%	1.4
[E] Pri RMS Voltage Phase C-N/Volts	278.7
[E] Pri THDV % Phase C-N/%	1.4
[E] Pri RMS Voltage Neutral-GND/Volts	0.070
[E] Pri RMS Current GND/Amps	2.43
[E] Pri THDC % GND/%	72.8
[E] Sec RMS Voltage Phase A-B/Volts	205.4
[E] Sec THDV % Phase A-B/%	1.1
[E] Sec RMS Current Phase A/Amps	79.3
[E] Sec THDC % Phase A/%	19.1
[E] Sec RMS Voltage Phase B-C/Volts	205.4
[E] Sec THDV % Phase B-C/%	1.1
[E] Sec RMS Current Phase B/Amps	92.3
[E] Sec THDC % Phase B/%	8.2
[E] Sec RMS Voltage Phase C-A/Volts	206.9
[E] Sec THDV % Phase C-A/%	1.3
[E] Sec RMS Current Phase C/Amps	76.5
[E] Sec THDC % Phase C/%	13.5
[E] Sec RMS Voltage Phase A-N/Volts	119.3
[E] Sec THDV % Phase A-N/%	1.3
[E] Sec RMS Voltage Phase B-N/Volts	118.7
[E] Sec THDV % Phase B-N/%	1.1
[E] Sec RMS Voltage Phase C-N/Volts	119.3
[E] Sec THDV % Phase C-N/%	1.5
[E] Sec RMS Current Neutral/Amps	25.43
[E] Sec THDC % Neutral/%	76.4
[E] Sec RMS Current GND/Amps	2.41
[E] Sec THDC % GND/%	66.9

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: ATS - 9224

Item Desc: GENERATOR 1 ATS

Serial #:

Equip Type: Auto Transfer Switch > 400A

Mfg: Cummings

Model: OT600

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	600	Amps
Conductor Size/Type/Al-Cu	2 x 500 MCM Cu	kcmil/gauge
Number of Poles	3	Text
NEMA Type	1	NEMA
Control Voltage	120	Volts
AIC Rating	10	KAmps
Frequency	60	Hertz

Application:

Safety Notes: 082619 IR IMAGE WHILE GENERATOR IS RUNNING

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.6
[E] RMS Current Phase A/Amps	360.2
[E] THDC % Phase A/%THD	3.6
[E] RMS Voltage Phase B-C/Volts	477.6
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	367.7
[E] THDC % Phase B/%THD	2.8
[E] RMS Voltage Phase C-A/Volts	476.3
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	385.1
[E] THDC % Phase C/%THD	2.8
[E] RMS Current GND/Amps	4.54
[E] THDC % Ground/%	49.1

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: ATS - 9225

Item Desc: GENERATOR 2 ATS

Serial #:

Equip Type: Auto Transfer Switch > 400A

Mfg: CUMMINS POWER GENERATION

Model: OTPCC600

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	600	Amps
Conductor Size/Type/Al-Cu	2 x 3/0 THH Cu	kcmil/gauge
Number of Poles	3	Text
NEMA Type	1	NEMA
Control Voltage	120	Volts
AIC Rating	10	KAmps
Frequency	60	Hertz

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.6
[E] RMS Current Phase A/Amps	131.5
[E] THDC % Phase A/%THD	5.0
[E] RMS Voltage Phase B-C/Volts	477.6
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	125.6
[E] THDC % Phase B/%THD	3.9
[E] RMS Voltage Phase C-A/Volts	476.3
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	130.3
[E] THDC % Phase C/%THD	4.2
[E] RMS Voltage Phase A-Neutral/Volts	272.2
[E] THDV % Phase A-Neutral/%THD	1.4
[E] RMS Voltage Phase B-Neutral/Volts	274.6
[E] THDV % Phase B-Neutral/%THD	1.4
[E] RMS Voltage Phase C-Neutral/Volts	277.5
[E] THDV % Phase C-Neutral/%THD	1.4
[E] RMS Current Neutral/Amps	1.1
[E] THDC % Neutral/%THD	17.2
[E] RMS Current GND/Amps	1.07
[E] THDC % Ground/%	11.0
[E] RMS Voltage Neutral-GND/Volts	0.023

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: BCP - 9226

Item Desc: LP1

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: GE

Model: AEF3246BTX

Specifications	Value	Unit
Working Voltage	480 / 277	Volts
Current Rating	600	Amps
Main Breaker Type	SGHA	Model #
Branch Breaker Type	TED / TY	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	30	Used
NEMA Type	1	Number
AIC Rating	18	KAmps
Main Conductor Size Type / Al-Cu	THHN 500MCM Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN 500MCM Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN 2/0 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	469.0
[E] THDV % Phase A-B/%THD	0.9
[E] RMS Current Phase A/Amps	135.4
[E] THDC % Phase A/%THD	2.3
[E] RMS Voltage Phase B-C/Volts	471.4
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	163.8
[E] THDC % Phase B/%THD	2.0
[E] RMS Voltage Phase C-A/Volts	471.4
[E] THDV % Phase C-A/%THD	0.8
[E] RMS Current Phase C/Amps	159.5
[E] THDC % Phase C/%THD	2.5
[E] RMS Voltage Phase A-Neutral/Volts	267.9
[E] THDV % Phase A-Neutral/%THD	1.5
[E] RMS Voltage Phase B-Neutral/Volts	271.9
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	274.2
[E] THDV % Phase C-Neutral/%THD	1.4
[E] RMS Voltage Neutral-GND/Volts	0.057
[E] RMS Current Neutral/Amps	4.99
[E] THDC % Neutral/%THD	93.1
[E] RMS Current GND/Amps	3.37
[E] THDC % Ground/%	20.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: DISC - 9227

Item Desc: MTS-1

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: GE

Model: TC35366

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	600	Amps
Conductor Size/Type/Al-Cu	2 X 350MCM THHN Cu	kcmil/gauge
AIC Rating	10	KAmps
Phase Conductor Size / Type / Al-Cu	2 X 350MCM THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	1/0 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: DISC - 9228

Item Desc: S.I.BAKER

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Cutler Hammer

Model: DH366UGK

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	600	Amps
Conductor Size/Type/Al-Cu	2 X 500MCM THHN Cu	kcmil/gauge
AIC Rating	200	KAmps
Phase Conductor Size / Type / Al-Cu	2 X 500MCM THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	2 X 2/0 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	471.4
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	365.2
[E] THDC % Phase A/%THD	3.4
[E] RMS Voltage Phase B-C/Volts	473.9
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	382.6
[E] THDC % Phase B/%THD	2.7
[E] RMS Voltage Phase C-A/Volts	473.9
[E] THDV % Phase C-A/%THD	0.8
[E] RMS Current Phase C/Amps	387.6
[E] THDC % Phase C/%THD	2.7
[E] RMS Current GND/Amps	3.9
[E] THDC % Ground/%	38.4

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: DP - 9229

Item Desc: HE

Serial #:

Equip Type: Distribution Panel Single Front (>= 400 amp)

Mfg: Square D

Model: HCW23598

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	800	Amps
Main Breaker Type	MLO	Model #
Distribution Breaker Type	FA / LA / KA / FDA	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	30	Used
NEMA Type	1	Unitless
AIC Rating	18	KAmps
Main Conductor Size / Type / Al-Cu	2 X 500MCM THHN Cu	kcmil/gauge
Neutral Conductor Size / Type / Al-Cu	2 X 500MCM THHN Cu	Amps
Ground Conductor Size/ Type / Al-Cu	2 X 1/0 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	467.7
[E] THDV % Phase A-B/%THD	0.6
[E] RMS Current Phase A/Amps	220.2
[E] THDC % Phase A/%THD	4.5
[E] RMS Voltage Phase B-C/Volts	472.7
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	212.0
[E] THDC % Phase B/%THD	3.8
[E] RMS Voltage Phase C-A/Volts	471.4
[E] THDV % Phase C-A/%THD	0.8
[E] RMS Current Phase C/Amps	209.7
[E] THDC % Phase C/%THD	3.7
[E] RMS Voltage Phase A-Neutral/Volts	268.9
[E] THDV % Phase A-Neutral/%THD	1.5
[E] RMS Voltage Phase B-Neutral/Volts	270.1
[E] THDV % Phase B-Neutral/%THD	1.2
[E] RMS Voltage Phase C-Neutral/Volts	274.3
[E] THDV % Phase C-Neutral/%THD	1.4
[E] RMS Voltage Neutral-GND/Volts	0.010
[E] RMS Current Neutral/Amps	9.76
[E] THDC % Neutral/%THD	10.5
[E] RMS Current GND/Amps	3.80
[E] THDC % Ground/%	4.5

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: JB - 9230

Item Desc:

Serial #:

Equip Type: Wire Trough/Large Junction Boxes

Mfg: GE

Model: N/A

Specifications	Value	Unit
Working Voltage	480	Volts
Box/Gutter Size	6' X 4'	Unitless
NEMA Type	1	NEMA

Application:

Safety Notes:

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: JB - 9231

Item Desc:

Serial #:

Equip Type: Wire Trough/Large Junction Boxes

Mfg: N/A

Model: N/A

Specifications	Value	Unit
Working Voltage	480	Volts
Box/Gutter Size	10" X 6'	Unitless
NEMA Type	1	NEMA

Application:

Safety Notes:

Equipment Variables

No Variable Data

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: shop electrical panels

Tag ID: LC - 9232

Item Desc: Lighting Contactor

Serial #:

Equip Type: Lighting Contactor

Mfg: Square D

Model: LX

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	20	Amps
Modes of Operation (Manual, Timer, Photocell)	MANUEL	Unitless
Conductor Size / Type / Al-Cu	#10 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: SI Baker Panels

Tag ID: BCP - 9233

Item Desc: RP4

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD424M100CU

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	27	Used
Breaker Poles/Spaces Spares/Unused	3	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	#1 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	#1 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	203.7
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	2.02
[E] THDC % Phase A/%THD	18.0

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: SI Baker Panels

Tag ID: BCP - 9234

Item Desc: SI BAKER

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: I-Line

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	300	Amps
Main Breaker Type	LAP	Model #
Branch Breaker Type	FHB/FA	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	30	Used
NEMA Type	1	Number
AIC Rating	18	KAmps
Main Conductor Size Type / Al-Cu	4/0 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#2 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	470.2
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	104.3
[E] THDC % Phase A/%THD	4.8
[E] RMS Voltage Phase B-C/Volts	472.7
[E] THDV % Phase B-C/%THD	0.8
[E] RMS Current Phase B/Amps	106.2
[E] THDC % Phase B/%THD	4.7
[E] RMS Voltage Phase C-A/Volts	472.7
[E] THDV % Phase C-A/%THD	0.7
[E] RMS Current Phase C/Amps	111.5
[E] THDC % Phase C/%THD	0.5
[E] RMS Current GND/Amps	4.17
[E] THDC % Ground/%	25.1

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: SI Baker Panels

Tag ID: DISC - 9235

Item Desc: RP6A

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Siemens

Model: F352

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	60	Amps
Conductor Size/Type/Al-Cu	#8 THHN Cu	kcmil/gauge
Fuse Type / Model #	FLSR40ID	Unitless
AIC Rating	200	KAmps
Phase Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#10 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	470.2
[E] THDV % Phase A-B/%THD	0.6
[E] RMS Current Phase A/Amps	2.42
[E] THDC % Phase A/%THD	25.7
[E] RMS Voltage Phase B-C/Volts	475.1
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	2.72
[E] THDC % Phase B/%THD	23.4
[E] RMS Voltage Phase C-A/Volts	472.7
[E] THDV % Phase C-A/%THD	0.8
[E] RMS Current Phase C/Amps	3.14
[E] THDC % Phase C/%THD	18.5
[E] RMS Current GND/Amps	0.62
[E] THDC % Ground/%	87.5

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: SI Baker Panels

Tag ID: MCCB - 9236

Item Desc: DUST COLLECTER

Serial #:

Equip Type: Individual Molded Case Breakers > 400A

Mfg: Square D

Model: QO3100BNS

Specifications	Value	Unit
Working Voltage	208	Volts
Breaker Type	QO	Model #
Current Rating	40	Amps
Breaker Frame Rating	100	Amps
AIC Rating	10	KAmps
Number of Poles	3	Poles

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	203.0
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	8.52
[E] THDC % Phase A/%THD	1.9
[E] RMS Voltage Phase B-C/Volts	202.0
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	8.45
[E] THDC % Phase B/%THD	2.0
[E] RMS Voltage Phase C-A/Volts	201.5
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	7.42
[E] THDC % Phase C/%THD	2.1
[E] RMS Current Neutral/Amps	0.35
[E] THDC % Neutral/%THD	22.4
[E] RMS Current GND/Amps	0.33
[E] THDC % Ground/%	25.1

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: SI Baker Panels

Tag ID: TRD - 9237

Item Desc: RP4 PANEL

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 300T3H

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	30	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	36	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	83	Amps
Weight	258	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	5.1	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	#1 THHN Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	#1 THHN Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	469.0
[E] Pri THDV % Phase A-B/%	0.7
[E] Pri RMS Current Phase A/Amps	2.22
[E] Pri THDC % Phase A/%	21.3
[E] Pri RMS Voltage Phase B-C/Volts	471.8
[E] Pri THDV % Phase B-C/%	0.9
[E] Pri RMS Current Phase B/Amps	1.4
[E] Pri THDC % Phase B/%	20.2
[E] Pri RMS Voltage Phase C-A/Volts	471.4
[E] Pri THDV % Phase C-A/%	0.9
[E] Pri RMS Current Phase C/Amps	1.84
[E] Pri THDC % Phase C/%	22.5
[E] Pri RMS Current GND/Amps	0.78
[E] Pri THDC % GND/%	59.1
[E] Sec RMS Voltage Phase A-B/Volts	202.6
[E] Sec THDV % Phase A-B/%	0.8
[E] Sec RMS Current Phase A/Amps	4.48
[E] Sec THDC % Phase A/%	28.6
[E] Sec RMS Voltage Phase B-C/Volts	203.4
[E] Sec THDV % Phase B-C/%	0.8
[E] Sec RMS Current Phase B/Amps	1.69
[E] Sec THDC % Phase B/%	31.3
[E] Sec RMS Voltage Phase C-A/Volts	204.7
[E] Sec THDV % Phase C-A/%	1.0
[E] Sec RMS Current Phase C/Amps	2.17
[E] Sec THDC % Phase C/%	23
[E] Sec RMS Voltage Phase A-N/Volts	117.5
[E] Sec THDV % Phase A-N/%	1.0
[E] Sec RMS Voltage Phase B-N/Volts	116.9
[E] Sec THDV % Phase B-N/%	0.8
[E] Sec RMS Voltage Phase C-N/Volts	117.8
[E] Sec THDV % Phase C-N/%	1.0
[E] Sec RMS Voltage Neutral-GND/Volts	0.013
[E] Sec RMS Current Neutral/Amps	2.81
[E] Sec THDC % Neutral/%	56.7
[E] Sec RMS Current GND/Amps	0.46
[E] Sec THDC % GND/%	55

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: SI Baker Panels

Tag ID: TRD - 9238

Item Desc: RP6A

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 300T3H

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	30	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	36	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	83	Amps
Weight	258	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	5.1	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	#1 THHN Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	#1 THHN Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	470.2
[E] Pri THDV % Phase A-B/%	0.7
[E] Pri RMS Current Phase A/Amps	2.44
[E] Pri THDC % Phase A/%	25.7
[E] Pri RMS Voltage Phase B-C/Volts	473.9
[E] Pri THDV % Phase B-C/%	0.9
[E] Pri RMS Current Phase B/Amps	2.96
[E] Pri THDC % Phase B/%	20.1
[E] Pri RMS Voltage Phase C-A/Volts	472.7
[E] Pri THDV % Phase C-A/%	0.8
[E] Pri RMS Current Phase C/Amps	3.04
[E] Pri THDC % Phase C/%	34.1
[E] Pri RMS Current GND/Amps	1.99
[E] Pri THDC % GND/%	86.3
[E] Sec RMS Voltage Phase A-B/Volts	203.7
[E] Sec THDV % Phase A-B/%	1.1
[E] Sec RMS Current Phase A/Amps	4.25
[E] Sec THDC % Phase A/%	37.9
[E] Sec RMS Voltage Phase B-C/Volts	203.1
[E] Sec THDV % Phase B-C/%	1.0
[E] Sec RMS Current Phase B/Amps	6.18
[E] Sec THDC % Phase B/%	35.2
[E] Sec RMS Voltage Phase C-A/Volts	205.1
[E] Sec THDV % Phase C-A/%	1.0
[E] Sec RMS Current Phase C/Amps	5.68
[E] Sec THDC % Phase C/%	32.0
[E] Sec RMS Voltage Phase A-N/Volts	118.1
[E] Sec THDV % Phase A-N/%	1.1
[E] Sec RMS Voltage Phase B-N/Volts	117.2
[E] Sec THDV % Phase B-N/%	1.1
[E] Sec RMS Voltage Phase C-N/Volts	118.4
[E] Sec THDV % Phase C-N/%	0.9
[E] Sec RMS Voltage Neutral-GND/Volts	0.0016
[E] Sec RMS Current Neutral/Amps	2.6
[E] Sec THDC % Neutral/%	86
[E] Sec RMS Current GND/Amps	1.99
[E] Sec THDC % GND/%	86

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: RP2B Panels

Tag ID: BCP - 9239

Item Desc: RP2B

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD424M100CU

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	24	Total
Breaker Poles/Spaces In Use	17	Used
Breaker Poles/Spaces Spares/Unused	7	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	#2 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	#2 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	201.6
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	5.99
[E] THDC % Phase A/%THD	23.5
[E] RMS Voltage Phase B-C/Volts	204.0
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	0.1
[E] THDC % Phase B/%THD	46
[E] RMS Voltage Phase C-A/Volts	202.2
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	0.17
[E] THDC % Phase C/%THD	41.2
[E] RMS Voltage Phase A-Neutral/Volts	115.9
[E] THDV % Phase A-Neutral/%THD	0.8
[E] RMS Voltage Phase B-Neutral/Volts	117.5
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	117.5
[E] THDV % Phase C-Neutral/%THD	1.3
[E] RMS Voltage Neutral-GND/Volts	0.032
[E] RMS Current Neutral/Amps	7.1
[E] THDC % Neutral/%THD	23.0
[E] RMS Current GND/Amps	0.11
[E] THDC % Ground/%	94.5

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: BK

Tag ID: BCP - 9273

Item Desc: HEA-2

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square-D

Model: NQOD

Specifications	Value	Unit
Working Voltage	240/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	20	Total
Breaker Poles/Spaces In Use	8	Used
Breaker Poles/Spaces Spares/Unused	12	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #4 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase B-C/Volts	240.5
[E] THDV % Phase B-C/%THD	2.2
[E] RMS Current Phase B/Amps	36.8
[E] THDC % Phase B/%THD	55.4
[E] RMS Current Phase C/Amps	33.7
[E] THDC % Phase C/%THD	56.2
[E] RMS Voltage Phase B-Neutral/Volts	120.3
[E] THDV % Phase B-Neutral/%THD	2.3
[E] RMS Voltage Phase C-Neutral/Volts	120.6
[E] THDV % Phase C-Neutral/%THD	2.1
[E] RMS Voltage Neutral-GND/Volts	0.1
[E] RMS Current Neutral/Amps	5.5
[E] THDC % Neutral/%THD	57.4
[E] RMS Current GND/Amps	0.2
[E] THDC % Ground/%	60.7

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: BK

Tag ID: BCP - 9274

Item Desc: HEA-1

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQODQB

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	QB225	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	15	Used
Breaker Poles/Spaces Spares/Unused	27	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	2 X THHN #4 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	2 X THHN #4 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	2 X THHN #6 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	207.6
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	40.56
[E] THDC % Phase A/%THD	12.1
[E] RMS Voltage Phase B-C/Volts	204.5
[E] THDV % Phase B-C/%THD	1.2
[E] RMS Current Phase B/Amps	3.2
[E] THDC % Phase B/%THD	73.4
[E] RMS Voltage Phase C-A/Volts	204.0
[E] THDV % Phase C-A/%THD	1.4
[E] RMS Current Phase C/Amps	42.5
[E] THDC % Phase C/%THD	9.9
[E] RMS Voltage Phase A-Neutral/Volts	118.7
[E] THDV % Phase A-Neutral/%THD	1.4
[E] RMS Voltage Phase B-Neutral/Volts	119.3
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	117.2
[E] THDV % Phase C-Neutral/%THD	1.4
[E] RMS Voltage Neutral-GND/Volts	0.01
[E] RMS Current Neutral/Amps	6.43
[E] THDC % Neutral/%THD	41.5
[E] RMS Current GND/Amps	0.56
[E] THDC % Ground/%	18.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: BK

Tag ID: DISC - 9272

Item Desc: HEA DISCONNECT

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Square D

Model: HU363

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Conductor Size/Type/Al-Cu	THHN #6 Cu	kcmil/gauge
AIC Rating	10	KAmps
Phase Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #8 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	477.6
[E] THDV % Phase A-B/%THD	1.0
[E] RMS Current Phase A/Amps	9.17
[E] THDC % Phase A/%THD	18.5
[E] RMS Voltage Phase B-C/Volts	472.7
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	12.07
[E] THDC % Phase B/%THD	12.8
[E] RMS Voltage Phase C-A/Volts	475.1
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	22.2
[E] THDC % Phase C/%THD	9.8
[E] RMS Current GND/Amps	0.5
[E] THDC % Ground/%	27.0

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: BK

Tag ID: MCC - 9276

Item Desc: Motor Control Center (Per vertical section)

Serial #:

Equip Type: Motor Control Center (Per vertical section)

Mfg: SCE

Model: N/A

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	50	Amps
Number of Sections (a of b)	1 OF 1	Sections
Main Lugs Only (Yes/No)	NO	Unitless
Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil
Number of Cells	1	Total Cells
AIC Rating	10	KAmps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	467.7
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	20.02
[E] THDC % Phase A/%THD	3.0
[E] RMS Voltage Phase B-C/Volts	471.4
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	20.4
[E] THDC % Phase B/%THD	2.7
[E] RMS Voltage Phase C-A/Volts	470.2
[E] THDV % Phase C-A/%THD	0.8
[E] RMS Current Phase C/Amps	21.1
[E] THDC % Phase C/%THD	3.2
[E] RMS Current GND/Amps	0.08
[E] THDC % Ground/%	98.2

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: BK

Tag ID: TRD - 9275

Item Desc: XMFR FOR HEA 1

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 75T3H

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	75	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	90	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	208	Amps
Weight	510	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	5.5	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	2 X THHN #4 Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	2 X THHN #4 Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	2 X THHN #6 Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	478.8
[E] Pri THDV % Phase A-B/%	1.2
[E] Pri RMS Current Phase A/Amps	10.5
[E] Pri THDC % Phase A/%	17.5
[E] Pri RMS Voltage Phase B-C/Volts	472.7
[E] Pri THDV % Phase B-C/%	0.8
[E] Pri RMS Current Phase B/Amps	12.6
[E] Pri THDC % Phase B/%	13.1
[E] Pri RMS Voltage Phase C-A/Volts	476.3
[E] Pri THDV % Phase C-A/%	1.0
[E] Pri RMS Current Phase C/Amps	20.5
[E] Pri THDC % Phase C/%	10.1
[E] Pri RMS Current GND/Amps	3.4
[E] Pri THDC % GND/%	21.8
[E] Sec RMS Voltage Phase A-B/Volts	207.8
[E] Sec THDV % Phase A-B/%	1.2
[E] Sec RMS Current Phase A/Amps	44.2
[E] Sec THDC % Phase A/%	11.8
[E] Sec RMS Voltage Phase B-C/Volts	205.1
[E] Sec THDV % Phase B-C/%	1.3
[E] Sec RMS Current Phase B/Amps	3.3
[E] Sec THDC % Phase B/%	64.2
[E] Sec RMS Voltage Phase C-A/Volts	203.7
[E] Sec THDV % Phase C-A/%	1.4
[E] Sec RMS Current Phase C/Amps	40.2
[E] Sec THDC % Phase C/%	10.2
[E] Sec RMS Voltage Phase A-N/Volts	119.0
[E] Sec THDV % Phase A-N/%	1.4
[E] Sec RMS Voltage Phase B-N/Volts	119.3
[E] Sec THDV % Phase B-N/%	1.3
[E] Sec RMS Voltage Phase C-N/Volts	117.2
[E] Sec THDV % Phase C-N/%	1.5
[E] Sec RMS Voltage Neutral-GND/Volts	0.05
[E] Sec RMS Current Neutral/Amps	5.9
[E] Sec THDC % Neutral/%	81.4
[E] Sec RMS Current GND/Amps	0.2
[E] Sec THDC % GND/%	57.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: JRA Panel

Tag ID: BCP - 9240

Item Desc: JRA

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD430M100

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	4	Used
Breaker Poles/Spaces Spares/Unused	26	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	#4 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	204.5
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	0.1
[E] THDC % Phase A/%THD	63
[E] RMS Voltage Phase B-C/Volts	204.6
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	0.14
[E] THDC % Phase B/%THD	57
[E] RMS Voltage Phase C-A/Volts	205.9
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	0.11
[E] THDC % Phase C/%THD	45.7
[E] RMS Voltage Phase A-Neutral/Volts	118.4
[E] THDV % Phase A-Neutral/%THD	0.9
[E] RMS Voltage Phase B-Neutral/Volts	117.8
[E] THDV % Phase B-Neutral/%THD	0.7
[E] RMS Voltage Phase C-Neutral/Volts	118.7
[E] THDV % Phase C-Neutral/%THD	0.9
[E] RMS Current Neutral/Amps	0.06
[E] THDC % Neutral/%THD	95.1
[E] RMS Current GND/Amps	0.02
[E] THDC % Ground/%	92.3

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: JRA Panel

Tag ID: DISC - 9241

Item Desc: JRA DISC.

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Square D

Model: HU-362RB

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	60	Amps
Conductor Size/Type/Al-Cu	#8 THHN Cu	kcmil/gauge
AIC Rating	100	KAmps
Phase Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#10 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	470.2
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	1.26
[E] THDC % Phase A/%THD	24.6
[E] RMS Voltage Phase B-C/Volts	475.1
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	1.28
[E] THDC % Phase B/%THD	25.9
[E] RMS Voltage Phase C-A/Volts	473.9
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	1.70
[E] THDC % Phase C/%THD	13.0
[E] RMS Current GND/Amps	0.07
[E] THDC % Ground/%	79.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: JRA Panel

Tag ID: TRD - 9242

Item Desc: JRA T-FORMER

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 300T3H

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	30	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	36	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	83	Amps
Weight	250	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	5.1	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	471.2
[E] Pri THDV % Phase A-B/%	0.6
[E] Pri RMS Current Phase A/Amps	1.4
[E] Pri THDC % Phase A/%	25.3
[E] Pri RMS Voltage Phase B-C/Volts	475.1
[E] Pri THDV % Phase B-C/%	0.9
[E] Pri RMS Current Phase B/Amps	1.44
[E] Pri THDC % Phase B/%	26.1
[E] Pri RMS Voltage Phase C-A/Volts	473.9
[E] Pri THDV % Phase C-A/%	0.9
[E] Pri RMS Current Phase C/Amps	1.67
[E] Pri THDC % Phase C/%	13.5
[E] Pri RMS Current GND/Amps	0.12
[E] Pri THDC % GND/%	60.2
[E] Sec RMS Voltage Phase A-B/Volts	204.2
[E] Sec THDV % Phase A-B/%	0.7
[E] Sec RMS Current Phase A/Amps	0.22
[E] Sec THDC % Phase A/%	29.3
[E] Sec RMS Voltage Phase B-C/Volts	206.1
[E] Sec THDV % Phase B-C/%	0.9
[E] Sec RMS Current Phase B/Amps	0.08
[E] Sec THDC % Phase B/%	84.5
[E] Sec RMS Voltage Phase C-A/Volts	204.9
[E] Sec THDV % Phase C-A/%	0.8
[E] Sec RMS Current Phase C/Amps	0.23
[E] Sec THDC % Phase C/%	25.3
[E] Sec RMS Voltage Phase A-N/Volts	117.8
[E] Sec THDV % Phase A-N/%	0.7
[E] Sec RMS Voltage Phase B-N/Volts	118.7
[E] Sec THDV % Phase B-N/%	0.8
[E] Sec RMS Voltage Phase C-N/Volts	118.7
[E] Sec THDV % Phase C-N/%	0.9
[E] Sec RMS Current Neutral/Amps	0.35
[E] Sec THDC % Neutral/%	20.5
[E] Sec RMS Current GND/Amps	0.12
[E] Sec THDC % GND/%	57.7

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Electrical Closet Locker Hall

Tag ID: BCP - 9243

Item Desc: Emergency power panel

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: GE

Model: AQF3422MT

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	MLO	Model #
Branch Breaker Type	THQB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	27	Used
Breaker Poles/Spaces Spares/Unused	15	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	2 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	2 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	202.7
[E] THDV % Phase A-B/%THD	1.2
[E] RMS Current Phase A/Amps	2.95
[E] THDC % Phase A/%THD	54.1
[E] RMS Voltage Phase B-C/Volts	204.4
[E] THDV % Phase B-C/%THD	1.4
[E] RMS Current Phase B/Amps	10.75
[E] THDC % Phase B/%THD	57.6
[E] RMS Voltage Phase C-A/Volts	204.3
[E] THDV % Phase C-A/%THD	1.4
[E] RMS Current Phase C/Amps	14.62
[E] THDC % Phase C/%THD	18.9
[E] RMS Voltage Phase A-Neutral/Volts	117.5
[E] THDV % Phase A-Neutral/%THD	1.3
[E] RMS Voltage Phase B-Neutral/Volts	116.9
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	118.4
[E] THDV % Phase C-Neutral/%THD	1.6
[E] RMS Voltage Neutral-GND/Volts	0.0
[E] RMS Current Neutral/Amps	11.48
[E] THDC % Neutral/%THD	39.7
[E] RMS Current GND/Amps	2.61
[E] THDC % Ground/%	51.2

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Electrical Closet Locker Hall

Tag ID: BCP - 9244

Item Desc: RP3

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: GE

Model: AQF4322AT

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	TOD	Model #
Branch Breaker Type	THQB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	40	Used
Breaker Poles/Spaces Spares/Unused	2	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	3/0 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	3/0 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	6 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	205.3
[E] THDV % Phase A-B/%THD	1.3
[E] RMS Current Phase A/Amps	19.72
[E] THDC % Phase A/%THD	10.4
[E] RMS Voltage Phase B-C/Volts	205.8
[E] THDV % Phase B-C/%THD	1.8
[E] RMS Current Phase B/Amps	12.02
[E] THDC % Phase B/%THD	36.2
[E] RMS Voltage Phase C-A/Volts	204.0
[E] THDV % Phase C-A/%THD	1.6
[E] RMS Current Phase C/Amps	23.57
[E] THDC % Phase C/%THD	18.8
[E] RMS Voltage Phase A-Neutral/Volts	118.1
[E] THDV % Phase A-Neutral/%THD	1.4
[E] RMS Voltage Phase B-Neutral/Volts	118.4
[E] THDV % Phase B-Neutral/%THD	1.5
[E] RMS Voltage Phase C-Neutral/Volts	118.4
[E] THDV % Phase C-Neutral/%THD	1.6
[E] RMS Voltage Neutral-GND/Volts	0.4
[E] RMS Current Neutral/Amps	9.33
[E] THDC % Neutral/%THD	77.3
[E] RMS Current GND/Amps	0.36
[E] THDC % Ground/%	38.1

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Electrical Closet Locker Hall

Tag ID: BCP - 9245

Item Desc: RP1

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: GE

Model: AQF3422AT

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	TOD	Model #
Branch Breaker Type	THQB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	42	Used
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	3/0 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	3/0 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	6 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	203.1
[E] THDV % Phase A-B/%THD	1.3
[E] RMS Current Phase A/Amps	30.51
[E] THDC % Phase A/%THD	16.1
[E] RMS Voltage Phase B-C/Volts	202.8
[E] THDV % Phase B-C/%THD	1.4
[E] RMS Current Phase B/Amps	44.40
[E] THDC % Phase B/%THD	4.4
[E] RMS Voltage Phase C-A/Volts	204.4
[E] THDV % Phase C-A/%THD	1.7
[E] RMS Current Phase C/Amps	29.15
[E] THDC % Phase C/%THD	12.3
[E] RMS Voltage Phase A-Neutral/Volts	117.5
[E] THDV % Phase A-Neutral/%THD	1.7
[E] RMS Voltage Phase B-Neutral/Volts	116.9
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	117.5
[E] THDV % Phase C-Neutral/%THD	1.5
[E] RMS Voltage Neutral-GND/Volts	0.477
[E] RMS Current Neutral/Amps	13.53
[E] THDC % Neutral/%THD	49.9
[E] RMS Current GND/Amps	0.10
[E] THDC % Ground/%	55.0

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Electrical Closet Locker Hall

Tag ID: BCP - 9246

Item Desc: RP1A

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQ442L2C

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	MLO	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	35	Used
Breaker Poles/Spaces Spares/Unused	7	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	3 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	3 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	202.2
[E] THDV % Phase A-B/%THD	1.3
[E] RMS Current Phase A/Amps	20.75
[E] THDC % Phase A/%THD	14.9
[E] RMS Voltage Phase B-C/Volts	201.8
[E] THDV % Phase B-C/%THD	1.3
[E] RMS Current Phase B/Amps	26.67
[E] THDC % Phase B/%THD	4.7
[E] RMS Voltage Phase C-A/Volts	203.5
[E] THDV % Phase C-A/%THD	1.6
[E] RMS Current Phase C/Amps	6.71
[E] THDC % Phase C/%THD	25.7
[E] RMS Voltage Phase A-Neutral/Volts	116.9
[E] THDV % Phase A-Neutral/%THD	1.6
[E] RMS Voltage Phase B-Neutral/Volts	116.9
[E] THDV % Phase B-Neutral/%THD	1.2
[E] RMS Voltage Phase C-Neutral/Volts	117.2
[E] THDV % Phase C-Neutral/%THD	1.4
[E] RMS Voltage Neutral-GND/Volts	0.5
[E] RMS Current Neutral/Amps	8.11
[E] THDC % Neutral/%THD	46.6
[E] RMS Current GND/Amps	0.28
[E] THDC % Ground/%	71.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: IT Server Room

Tag ID: BCP - 9247

Item Desc: CRP

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQODQ2

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	Q2L	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	32	Used
Breaker Poles/Spaces Spares/Unused	10	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	2/0 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	2/0 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	2 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	203.8
[E] THDV % Phase A-B/%THD	1.4
[E] RMS Current Phase A/Amps	26.67
[E] THDC % Phase A/%THD	12.3
[E] RMS Voltage Phase B-C/Volts	205.6
[E] THDV % Phase B-C/%THD	1.8
[E] RMS Current Phase B/Amps	29.40
[E] THDC % Phase B/%THD	24.9
[E] RMS Voltage Phase C-A/Volts	205.8
[E] THDV % Phase C-A/%THD	1.8
[E] RMS Current Phase C/Amps	32.37
[E] THDC % Phase C/%THD	26.6
[E] RMS Voltage Phase A-Neutral/Volts	118.1
[E] THDV % Phase A-Neutral/%THD	1.4
[E] RMS Voltage Phase B-Neutral/Volts	118.1
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	118.4
[E] THDV % Phase C-Neutral/%THD	1.5
[E] RMS Voltage Neutral-GND/Volts	0.020
[E] RMS Current Neutral/Amps	26.30
[E] THDC % Neutral/%THD	33.3
[E] RMS Current GND/Amps	6.21
[E] THDC % Ground/%	31.2

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: IT Server Room

Tag ID: DISC - 9248

Item Desc: TRANSFORMER DISCONNECT

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Square D

Model: HU363

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Conductor Size/Type/Al-Cu	2 THHN Cu	kcmil/gauge
Fuse Type / Model #	NF	Unitless
AIC Rating	10	KAmps
Phase Conductor Size / Type / Al-Cu	2 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	NA	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	471.4
[E] THDV % Phase A-B/%THD	1.0
[E] RMS Current Phase A/Amps	12.93
[E] THDC % Phase A/%THD	17.3
[E] RMS Voltage Phase B-C/Volts	475.1 1.2
[E] THDV % Phase B-C/%THD	1.2
[E] RMS Current Phase B/Amps	13.94
[E] THDC % Phase B/%THD	21.4
[E] RMS Voltage Phase C-A/Volts	472.7
[E] THDV % Phase C-A/%THD	1.1
[E] RMS Current Phase C/Amps	20.15
[E] THDC % Phase C/%THD	11.4
[E] RMS Current GND/Amps	0.25
[E] THDC % Ground/%	56.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: IT Server Room

Tag ID: TRD - 9249

Item Desc: CRP Transformer

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: N/A

Specifications	Value	Unit
Configuration (Delta/Wye)	DELTA/WYE	Unitless
KVA Rating	75	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	90	Amps
Secondary Voltage	208Y/120	Volts
Secondary Current (Calculated Maximum)	208	Amps
Weight	500	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	5.7	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	2 THHN Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	2/0 THHN Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	2/0 THHN Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	2 THHN Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	470.2
[E] Pri THDV % Phase A-B/%	0.9
[E] Pri RMS Current Phase A/Amps	12.65
[E] Pri THDC % Phase A/%	17.8
[E] Pri RMS Voltage Phase B-C/Volts	472.7
[E] Pri THDV % Phase B-C/%	1.1
[E] Pri RMS Current Phase B/Amps	14.19
[E] Pri THDC % Phase B/%	21.4
[E] Pri RMS Voltage Phase C-A/Volts	472.5
[E] Pri THDV % Phase C-A/%	0.9
[E] Pri RMS Current Phase C/Amps	19.66
[E] Pri THDC % Phase C/%	11.1
[E] Pri RMS Current GND/Amps	3.69
[E] Pri THDC % GND/%	35.3
[E] Sec RMS Voltage Phase A-B/Volts	202.6
[E] Sec THDV % Phase A-B/%	1.3
[E] Sec RMS Current Phase A/Amps	29.02
[E] Sec THDC % Phase A/%	11.0
[E] Sec RMS Voltage Phase B-C/Volts	204.8
[E] Sec THDV % Phase B-C/%	1.6
[E] Sec RMS Current Phase B/Amps	29.27
[E] Sec THDC % Phase B/%	25.0
[E] Sec RMS Voltage Phase C-A/Volts	205.3
[E] Sec THDV % Phase C-A/%	1.6
[E] Sec RMS Current Phase C/Amps	58.4
[E] Sec THDC % Phase C/%	13.3
[E] Sec RMS Voltage Phase A-N/Volts	118.7
[E] Sec THDV % Phase A-N/%	1.2
[E] Sec RMS Voltage Phase B-N/Volts	118.1
[E] Sec THDV % Phase B-N/%	1.3
[E] Sec RMS Voltage Phase C-N/Volts	118.4
[E] Sec THDV % Phase C-N/%	1.4
[E] Sec RMS Voltage Neutral-GND/Volts	.019
[E] Sec RMS Current Neutral/Amps	35.60
[E] Sec THDC % Neutral/%	25.8
[E] Sec RMS Current GND/Amps	6.40
[E] Sec THDC % GND/%	15.1

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: BCP - 9278

Item Desc: B1

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQODQ2

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	150	Amps
Main Breaker Type	Q2L	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	23	Used
Breaker Poles/Spaces Spares/Unused	7	Spare
NEMA Type	1	Number
AIC Rating	22	KAmps
Main Conductor Size Type / Al-Cu	3/0 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	250MCM Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	203.8
[E] THDV % Phase A-B/%THD	1.2
[E] RMS Current Phase A/Amps	4.44
[E] THDC % Phase A/%THD	33.6
[E] RMS Voltage Phase B-C/Volts	203.8
[E] THDV % Phase B-C/%THD	1.5
[E] RMS Current Phase B/Amps	8.27
[E] THDC % Phase B/%THD	50.7
[E] RMS Voltage Phase C-A/Volts	204.6
[E] THDV % Phase C-A/%THD	1.5
[E] RMS Current Phase C/Amps	8.93
[E] THDC % Phase C/%THD	47.8
[E] RMS Voltage Phase A-Neutral/Volts	118.1
[E] THDV % Phase A-Neutral/%THD	1.2
[E] RMS Voltage Phase B-Neutral/Volts	117.2
[E] THDV % Phase B-Neutral/%THD	1.5
[E] RMS Voltage Phase C-Neutral/Volts	118.1
[E] THDV % Phase C-Neutral/%THD	1.7
[E] RMS Voltage Neutral-GND/Volts	0.015
[E] RMS Current Neutral/Amps	8.55
[E] THDC % Neutral/%THD	91.9
[E] RMS Current GND/Amps	0.10
[E] THDC % Ground/%	97.9

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: BCP - 9279

Item Desc: B2

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQODQ2

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	150	Amps
Main Breaker Type	Q2L	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	21	Used
Breaker Poles/Spaces Spares/Unused	9	Spare
NEMA Type	1	Number
AIC Rating	22	KAmps
Main Conductor Size Type / Al-Cu	3/0 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	250 MCM Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	204.2
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	2.42
[E] THDC % Phase A/%THD	42.8
[E] RMS Voltage Phase B-C/Volts	203.8
[E] THDV % Phase B-C/%THD	1.4
[E] RMS Current Phase B/Amps	8.72
[E] THDC % Phase B/%THD	37.9
[E] RMS Voltage Phase C-A/Volts	205.0
[E] THDV % Phase C-A/%THD	1.2
[E] RMS Current Phase C/Amps	4.54
[E] THDC % Phase C/%THD	24.3
[E] RMS Voltage Phase A-Neutral/Volts	118.1
[E] THDV % Phase A-Neutral/%THD	1.0
[E] RMS Voltage Phase B-Neutral/Volts	117.5
[E] THDV % Phase B-Neutral/%THD	1.4
[E] RMS Voltage Phase C-Neutral/Volts	118.4
[E] THDV % Phase C-Neutral/%THD	1.4
[E] RMS Voltage Neutral-GND/Volts	0.012
[E] RMS Current Neutral/Amps	7.27
[E] THDC % Neutral/%THD	70.8
[E] RMS Current GND/Amps	0.11
[E] THDC % Ground/%	94.2

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: BCP - 9280

Item Desc: B3

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	Q2L	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	30	Used
NEMA Type	1	Number
AIC Rating	22	KAmps
Main Conductor Size Type / Al-Cu	3/0 THHN Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	3/0 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	203.5
[E] THDV % Phase A-B/%THD	1.4
[E] RMS Current Phase A/Amps	9.77
[E] THDC % Phase A/%THD	43.5
[E] RMS Voltage Phase B-C/Volts	203.4
[E] THDV % Phase B-C/%THD	1.6
[E] RMS Current Phase B/Amps	10.79
[E] THDC % Phase B/%THD	47.0
[E] RMS Voltage Phase C-A/Volts	205.9
[E] THDV % Phase C-A/%THD	1.4
[E] RMS Current Phase C/Amps	7.24
[E] THDC % Phase C/%THD	43.2
[E] RMS Voltage Phase A-Neutral/Volts	118.1
[E] THDV % Phase A-Neutral/%THD	1.9
[E] RMS Voltage Phase B-Neutral/Volts	117.2
[E] THDV % Phase B-Neutral/%THD	1.7
[E] RMS Voltage Phase C-Neutral/Volts	117.8
[E] THDV % Phase C-Neutral/%THD	1.5
[E] RMS Voltage Neutral-GND/Volts	0.029
[E] RMS Current Neutral/Amps	9.87
[E] THDC % Neutral/%THD	25.4
[E] RMS Current GND/Amps	0.18
[E] THDC % Ground/%	60.0

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: DISC - 9283

Item Desc: B1

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Siemens

Model: NF353

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Conductor Size/Type/Al-Cu	#4 THHN Cu	kcmil/gauge
AIC Rating	200	KAmps
Phase Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	470.2
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	2.67
[E] THDC % Phase A/%THD	40.3
[E] RMS Voltage Phase B-C/Volts	472.7
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	4.18
[E] THDC % Phase B/%THD	28.5
[E] RMS Voltage Phase C-A/Volts	472.7
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	4.33
[E] THDC % Phase C/%THD	25.3
[E] RMS Current GND/Amps	0.17
[E] THDC % Ground/%	62.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: DISC - 9284

Item Desc: B2

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Siemens

Model: NF353

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Conductor Size/Type/Al-Cu	#4 THHN Cu	kcmil/gauge
AIC Rating	200	KAmps
Phase Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	469.0
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	2.44
[E] THDC % Phase A/%THD	43.9
[E] RMS Voltage Phase B-C/Volts	473.7
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	3.49
[E] THDC % Phase B/%THD	25.8
[E] RMS Voltage Phase C-A/Volts	471.4
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	2.81
[E] THDC % Phase C/%THD	20.7
[E] RMS Current GND/Amps	0.08
[E] THDC % Ground/%	26.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: DISC - 9285

Item Desc: B3

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Siemens

Model: NF353

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Conductor Size/Type/Al-Cu	#4 THHN Cu	kcmil/gauge
AIC Rating	200	KAmps
Phase Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	469.0
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	4.31
[E] THDC % Phase A/%THD	33.8
[E] RMS Voltage Phase B-C/Volts	471.1
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	4.48
[E] THDC % Phase B/%THD	31.2
[E] RMS Voltage Phase C-A/Volts	471.4
[E] THDV % Phase C-A/%THD	0.8
[E] RMS Current Phase C/Amps	3.58
[E] THDC % Phase C/%THD	31.2
[E] RMS Current GND/Amps	0.18
[E] THDC % Ground/%	58.8

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: MCC_SEC - 9286

Item Desc: TOTE MAIN

Serial #:

Equip Type: Motor Control Center (Per vertical section)

Mfg: SCE

Model: N/A

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Number of Sections (a of b)	1	Sections
Main Lugs Only (Yes/No)	NO	Unitless
Conductor Size / Type / Al-Cu	2 x #6 THHN Cu	kcmil
Number of Cells	1	Total Cells
AIC Rating	200	KAmps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	471.4
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	43.9
[E] THDC % Phase A/%THD	2.9
[E] RMS Voltage Phase B-C/Volts	471.4
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	46.02
[E] THDC % Phase B/%THD	3.7
[E] RMS Voltage Phase C-A/Volts	469.0
[E] THDV % Phase C-A/%THD	0.7
[E] RMS Current Phase C/Amps	43.04
[E] THDC % Phase C/%THD	3.0
[E] RMS Current GND/Amps	0.1
[E] THDC % Ground/%	95.8

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: MCC_SEC - 9287

Item Desc: PV MCC

Serial #:

Equip Type: Motor Control Center (Per vertical section)

Mfg: Hoffman

Model: N/A

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	60	Amps
Number of Sections (a of b)	1	Sections
Main Lugs Only (Yes/No)	NO	Unitless
Conductor Size / Type / Al-Cu	2 x #10 THHN Cu	kcmil
Number of Cells	1	Total Cells
AIC Rating	200	KAmps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	202.2
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	23.5
[E] THDC % Phase A/%THD	3.9
[E] RMS Voltage Phase B-C/Volts	203.4
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	21.5
[E] THDC % Phase B/%THD	2.0
[E] RMS Voltage Phase C-A/Volts	206.3
[E] THDV % Phase C-A/%THD	1.1
[E] RMS Current Phase C/Amps	22.79
[E] THDC % Phase C/%THD	1.7
[E] RMS Current GND/Amps	0.2
[E] THDC % Ground/%	35.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: TRD - 9288

Item Desc: B1

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 45T3HIS

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	45	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	54	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	125	Amps
Weight	330	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	6.4	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	3/0 THHN Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	250 MCM Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	469.0
[E] Pri THDV % Phase A-B/%	0.7
[E] Pri RMS Current Phase A/Amps	2.64
[E] Pri THDC % Phase A/%	46.1
[E] Pri RMS Voltage Phase B-C/Volts	472.7
[E] Pri THDV % Phase B-C/%	1.0
[E] Pri RMS Current Phase B/Amps	4.39
[E] Pri THDC % Phase B/%	47.3
[E] Pri RMS Voltage Phase C-A/Volts	472.7
[E] Pri THDV % Phase C-A/%	0.8
[E] Pri RMS Current Phase C/Amps	4.21
[E] Pri THDC % Phase C/%	44.7
[E] Pri RMS Current GND/Amps	0.32
[E] Pri THDC % GND/%	16.5
[E] Sec RMS Voltage Phase A-B/Volts	202.8
[E] Sec THDV % Phase A-B/%	1.1
[E] Sec RMS Current Phase A/Amps	4.99
[E] Sec THDC % Phase A/%	34.7
[E] Sec RMS Voltage Phase B-C/Volts	204.0
[E] Sec THDV % Phase B-C/%	1.3
[E] Sec RMS Current Phase B/Amps	9.05
[E] Sec THDC % Phase B/%	43.9
[E] Sec RMS Voltage Phase C-A/Volts	204.2
[E] Sec THDV % Phase C-A/%	1.1
[E] Sec RMS Current Phase C/Amps	8.95
[E] Sec THDC % Phase C/%	45.2
[E] Sec RMS Voltage Phase A-N/Volts	117.8
[E] Sec THDV % Phase A-N/%	1.1
[E] Sec RMS Voltage Phase B-N/Volts	116.9
[E] Sec THDV % Phase B-N/%	1.4
[E] Sec RMS Voltage Phase C-N/Volts	117.5
[E] Sec THDV % Phase C-N/%	1.6
[E] Sec RMS Voltage Neutral-GND/Volts	0.010
[E] Sec RMS Current Neutral/Amps	5.68
[E] Sec THDC % Neutral/%	79.3
[E] Sec RMS Current GND/Amps	5.68
[E] Sec THDC % GND/%	79.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: TRD - 9289

Item Desc: B2

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 45T3HIS

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	45	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	54	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	125	Amps
Weight	330	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	6.4	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	3/0 THHN Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	250 MCM Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	466.5
[E] Pri THDV % Phase A-B/%	0.7
[E] Pri RMS Current Phase A/Amps	2.1
[E] Pri THDC % Phase A/%	48.2
[E] Pri RMS Voltage Phase B-C/Volts	470.2
[E] Pri THDV % Phase B-C/%	0.9
[E] Pri RMS Current Phase B/Amps	3.61
[E] Pri THDC % Phase B/%	24.5
[E] Pri RMS Voltage Phase C-A/Volts	471.2
[E] Pri THDV % Phase C-A/%	0.8
[E] Pri RMS Current Phase C/Amps	2.33
[E] Pri THDC % Phase C/%	23.5
[E] Pri RMS Current GND/Amps	0.26
[E] Pri THDC % GND/%	30.2
[E] Sec RMS Voltage Phase A-B/Volts	202.1
[E] Sec THDV % Phase A-B/%	1.3
[E] Sec RMS Current Phase A/Amps	8.27
[E] Sec THDC % Phase A/%	41.2
[E] Sec RMS Voltage Phase B-C/Volts	203.5
[E] Sec THDV % Phase B-C/%	1.1
[E] Sec RMS Current Phase B/Amps	3.66
[E] Sec THDC % Phase B/%	16.5
[E] Sec RMS Voltage Phase C-A/Volts	202.2
[E] Sec THDV % Phase C-A/%	1.1
[E] Sec RMS Voltage Phase A-N/Volts	116.2
[E] Sec THDV % Phase A-N/%	1.3
[E] Sec RMS Voltage Phase B-N/Volts	117.2
[E] Sec THDV % Phase B-N/%	1.2
[E] Sec RMS Voltage Phase C-N/Volts	117.2
[E] Sec THDV % Phase C-N/%	1.0
[E] Sec RMS Voltage Neutral-GND/Volts	0.0
[E] Sec RMS Current Neutral/Amps	0.28
[E] Sec THDC % Neutral/%	38.4
[E] Sec RMS Current GND/Amps	0.28
[E] Sec THDC % GND/%	38.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Inside Loop

Tag ID: TRD - 9290

Item Desc: B3

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 45T3HIS

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	45	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	54	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	125	Amps
Weight	330	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	6.4	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	#4 THHN Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	3/0 THHN Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	3/0 THHN Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	467.5
[E] Pri THDV % Phase A-B/%	0.8
[E] Pri RMS Current Phase A/Amps	4.52
[E] Pri THDC % Phase A/%	31.5
[E] Pri RMS Voltage Phase B-C/Volts	470.2
[E] Pri THDV % Phase B-C/%	1.0
[E] Pri RMS Current Phase B/Amps	4.64
[E] Pri THDC % Phase B/%	28.9
[E] Pri RMS Voltage Phase C-A/Volts	469.2
[E] Pri THDV % Phase C-A/%	0.9
[E] Pri RMS Current Phase C/Amps	3.76
[E] Pri THDC % Phase C/%	30.2
[E] Pri RMS Current GND/Amps	0.22
[E] Pri THDC % GND/%	44.5
[E] Sec RMS Voltage Phase A-B/Volts	202.2
[E] Sec THDV % Phase A-B/%	1.3
[E] Sec RMS Current Phase A/Amps	10.01
[E] Sec THDC % Phase A/%	40.6
[E] Sec RMS Voltage Phase B-C/Volts	202.2
[E] Sec THDV % Phase B-C/%	1.6
[E] Sec RMS Current Phase B/Amps	10.95
[E] Sec THDC % Phase B/%	47.6
[E] Sec RMS Voltage Phase C-A/Volts	204.2
[E] Sec THDV % Phase C-A/%	1.4
[E] Sec RMS Current Phase C/Amps	7.46
[E] Sec THDC % Phase C/%	47.5
[E] Sec RMS Voltage Phase A-N/Volts	117.5
[E] Sec THDV % Phase A-N/%	1.4
[E] Sec RMS Voltage Phase B-N/Volts	116.2
[E] Sec THDV % Phase B-N/%	1.7
[E] Sec RMS Voltage Phase C-N/Volts	117.8
[E] Sec THDV % Phase C-N/%	1.5
[E] Sec RMS Voltage Neutral-GND/Volts	0.02
[E] Sec RMS Current Neutral/Amps	5.55
[E] Sec THDC % Neutral/%	92.5
[E] Sec RMS Current GND/Amps	5.55
[E] Sec THDC % GND/%	92.5

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: RP6A Panels

Tag ID: BCP - 9250

Item Desc: RP6A

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD424M100CU

Specifications	Value	Unit
Working Voltage	240/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	24	Total
Breaker Poles/Spaces In Use	21	Used
Breaker Poles/Spaces Spares/Unused	3	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #8 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	203.5
[E] THDV % Phase A-B/%THD	1.2
[E] RMS Current Phase A/Amps	3.60
[E] THDC % Phase A/%THD	44.8
[E] RMS Voltage Phase B-C/Volts	203.0
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	5.12
[E] THDC % Phase B/%THD	35.0
[E] RMS Voltage Phase C-A/Volts	204.3
[E] THDV % Phase C-A/%THD	1.1
[E] RMS Current Phase C/Amps	5.49
[E] THDC % Phase C/%THD	3.41
[E] RMS Voltage Phase A-Neutral/Volts	118.1
[E] THDV % Phase A-Neutral/%THD	1.3
[E] RMS Voltage Phase B-Neutral/Volts	117.5
[E] THDV % Phase B-Neutral/%THD	1.1
[E] RMS Voltage Phase C-Neutral/Volts	117.5
[E] THDV % Phase C-Neutral/%THD	1.0
[E] RMS Voltage Neutral-GND/Volts	0.021
[E] RMS Current Neutral/Amps	2.83
[E] THDC % Neutral/%THD	80.3
[E] RMS Current GND/Amps	0.75
[E] THDC % Ground/%	88.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: RP6A Panels

Tag ID: BCP - 9251

Item Desc: RP6B

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD424M100CU

Specifications	Value	Unit
Working Voltage	240/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	24	Total
Breaker Poles/Spaces In Use	24	Used
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	197.3
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	42.42
[E] THDC % Phase A/%THD	2.9
[E] RMS Voltage Phase B-C/Volts	196.9
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	52.22
[E] THDC % Phase B/%THD	3.3
[E] RMS Voltage Phase C-A/Volts	199.7
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	35.87
[E] THDC % Phase C/%THD	3.6
[E] RMS Voltage Phase A-Neutral/Volts	114.7
[E] THDV % Phase A-Neutral/%THD	1.0
[E] RMS Voltage Phase B-Neutral/Volts	114.4
[E] THDV % Phase B-Neutral/%THD	0.9
[E] RMS Voltage Phase C-Neutral/Volts	114.4
[E] THDV % Phase C-Neutral/%THD	0.8
[E] RMS Voltage Neutral-GND/Volts	0.027
[E] RMS Current Neutral/Amps	12.53
[E] THDC % Neutral/%THD	18.5
[E] RMS Current GND/Amps	0.33
[E] THDC % Ground/%	5.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: RP6A Panels

Tag ID: DISC - 9252

Item Desc: DISCONNECT FOR XFMR

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Square-D

Model: DU322

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	60	Amps
Conductor Size/Type/Al-Cu	THHN #6 Cu	kcmil/gauge
AIC Rating	10	KAmps
Phase Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #8 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	466.5
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	18.56
[E] THDC % Phase A/%THD	3.1
[E] RMS Voltage Phase B-C/Volts	470.2
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	17.93
[E] THDC % Phase B/%THD	3.2
[E] RMS Voltage Phase C-A/Volts	469.0
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	18.28
[E] THDC % Phase C/%THD	3.2

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: RP6A Panels

Tag ID: TRD - 9253

Item Desc: Transformer for PANEL RP6B

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square-D

Model: 45T3HIS

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	45	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	54	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	125	Amps
Weight	330	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	6.4	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C
Electrostatic Shield	YES	Unitless

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	465.3
[E] Pri THDV % Phase A-B/%	0.7
[E] Pri RMS Current Phase A/Amps	23.11
[E] Pri THDC % Phase A/%	2.4
[E] Pri RMS Voltage Phase B-C/Volts	469.0
[E] Pri THDV % Phase B-C/%	1.1
[E] Pri RMS Current Phase B/Amps	21.00
[E] Pri THDC % Phase B/%	3.0
[E] Pri RMS Voltage Phase C-A/Volts	467.7
[E] Pri THDV % Phase C-A/%	0.9
[E] Pri RMS Current Phase C/Amps	20.32
[E] Pri THDC % Phase C/%	2.7
[E] Pri RMS Current GND/Amps	0.17
[E] Pri THDC % GND/%	26.5
[E] Sec RMS Voltage Phase A-B/Volts	196.7
[E] Sec THDV % Phase A-B/%	0.9
[E] Sec RMS Current Phase A/Amps	49.24
[E] Sec THDC % Phase A/%	3.2
[E] Sec RMS Voltage Phase B-C/Volts	197.7
[E] Sec THDV % Phase B-C/%	1.0
[E] Sec RMS Current Phase B/Amps	49.98
[E] Sec THDC % Phase B/%	3.6
[E] Sec RMS Voltage Phase C-A/Volts	200.2
[E] Sec THDV % Phase C-A/%	1.0
[E] Sec RMS Current Phase C/Amps	36.96
[E] Sec THDC % Phase C/%	3.3
[E] Sec RMS Voltage Phase A-N/Volts	115.0
[E] Sec THDV % Phase A-N/%	1.1
[E] Sec RMS Voltage Phase B-N/Volts	114.4
[E] Sec THDV % Phase B-N/%	0.8
[E] Sec RMS Voltage Phase C-N/Volts	115.3
[E] Sec THDV % Phase C-N/%	1.1
[E] Sec RMS Voltage Neutral-GND/Volts	1.3
[E] Sec RMS Current Neutral/Amps	3.55
[E] Sec THDC % Neutral/%	64.2
[E] Sec RMS Current GND/Amps	0.29
[E] Sec THDC % GND/%	83.5

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Conveyor MCC #1

Tag ID: MCC_SEC - 9291

Item Desc: LABELING SPUR

Serial #:

Equip Type: Motor Control Center (Per vertical section)

Mfg: Hoffman

Model: A723618FS

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Number of Sections (a of b)	1	Sections
Main Lugs Only (Yes/No)	NO	Unitless
Conductor Size / Type / Al-Cu	#2 THHN Cu	kcmil
Number of Cells	1	Total Cells
AIC Rating	200	KAmps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.2
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	38.45
[E] THDC % Phase A/%THD	1.9
[E] RMS Voltage Phase B-C/Volts	478.6
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	37.95
[E] THDC % Phase B/%THD	2.4
[E] RMS Voltage Phase C-A/Volts	476.7
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	39.19
[E] THDC % Phase C/%THD	2.4
[E] RMS Current GND/Amps	0.17
[E] THDC % Ground/%	41.2

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Conveyor MCC #2

Tag ID: MCC_SEC - 9292

Item Desc: PACKING MCC

Serial #:

Equip Type: Motor Control Center (Per vertical section)

Mfg: SCE

Model: N/A

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	30	Amps
Number of Sections (a of b)	1	Sections
Main Lugs Only (Yes/No)	NO	Unitless
Conductor Size / Type / Al-Cu	2 x #12 THHN Cu	kcmil
Number of Cells	1	Total Cells
AIC Rating	200	KAmps

Application: RENAME THIS AREA TO PACKING

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	471.4
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	9.48
[E] THDC % Phase A/%THD	2.3
[E] RMS Voltage Phase B-C/Volts	475.1
[E] THDV % Phase B-C/%THD	1.2
[E] RMS Current Phase B/Amps	9.55
[E] THDC % Phase B/%THD	2.4
[E] RMS Voltage Phase C-A/Volts	473.9
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	9.70
[E] THDC % Phase C/%THD	2.3
[E] RMS Current GND/Amps	0.10
[E] THDC % Ground/%	85.9

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Yellow Bridge (see Troll)

Tag ID: BCP - 9277

Item Desc: CIAP

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: QOC30US

Specifications	Value	Unit
Working Voltage	240	Volts
Current Rating	100	Amps
Main Breaker Type	QOM	Model #
Branch Breaker Type	QO	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	26	Used
Breaker Poles/Spaces Spares/Unused	4	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	#6 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	234.5
[E] THDV % Phase A-B/%THD	1.2
[E] RMS Current Phase A/Amps	11.4
[E] THDC % Phase A/%THD	46.7
[E] RMS Current Phase B/Amps	12.4
[E] THDC % Phase B/%THD	39.1
[E] RMS Voltage Phase A-Neutral/Volts	117.5
[E] THDV % Phase A-Neutral/%THD	1.2
[E] RMS Voltage Phase B-Neutral/Volts	117.5
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Neutral-GND/Volts	0.044
[E] RMS Current Neutral/Amps	3.10
[E] THDC % Neutral/%THD	25.6
[E] RMS Current GND/Amps	0.66
[E] THDC % Ground/%	50.0

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Yellow Bridge (see Troll)

Tag ID: DISC - 9281

Item Desc: FED FROM HEA-6

Serial #:

Equip Type: Individual Disconnect Switch

Mfg: Square D

Model: H363N

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	100	Amps
Conductor Size/Type/Al-Cu	#2 THHN Cu	kcmil/gauge
Fuse Type / Model #	FRS70	Unitless
AIC Rating	200	KAmps
Phase Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	7.27
[E] THDC % Phase A/%THD	40.2
[E] RMS Voltage Phase B-C/Volts	475.1
[E] THDV % Phase B-C/%THD	1.0
[E] RMS Current Phase B/Amps	0.0
[E] THDC % Phase B/%THD	0.0
[E] RMS Voltage Phase C-A/Volts	471.4
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	7.27
[E] THDC % Phase C/%THD	40.1
[E] RMS Current GND/Amps	0.52
[E] THDC % Ground/%	44.9

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Yellow Bridge (see Troll)

Tag ID: TRD - 9282

Item Desc: CIAP

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 37S3H

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	37.5	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	45	Amps
Secondary Voltage	240	Volts
Secondary Current (Calculated Maximum)	90	Amps
Weight	310	Lbs
Phase (1 or 3)	1	Unitless
Winding Impedance	4.6	%Z
Tap Position	2 AND 7	Unitless
Number of Taps	8	Taps
Primary Conductor Size / Type / Al-Cu	#6 THHN Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	2 x #6 THHN Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	2 x #6 THHN Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	#8 THHN Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	472.7
[E] Pri THDV % Phase A-B/%	0.9
[E] Pri RMS Current Phase A/Amps	7.36
[E] Pri THDC % Phase A/%	41.2
[E] Pri RMS Current Phase B/Amps	7.46
[E] Pri THDC % Phase B/%	41.4
[E] Sec RMS Voltage Phase A-B/Volts	235.5
[E] Sec THDV % Phase A-B/%	1.2
[E] Sec RMS Current Phase A/Amps	11.23
[E] Sec THDC % Phase A/%	49.1
[E] Sec RMS Current Phase B/Amps	12.4
[E] Sec THDC % Phase B/%	38.6
[E] Sec RMS Voltage Phase A-N/Volts	118.1
[E] Sec THDV % Phase A-N/%	1.2
[E] Sec RMS Voltage Phase B-N/Volts	118.1
[E] Sec THDV % Phase B-N/%	1.3
[E] Sec RMS Current Neutral/Amps	1.88
[E] Sec THDC % Neutral/%	37.4
[E] Sec RMS Current GND/Amps	0.8
[E] Sec THDC % GND/%	56.6

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: A frame #1

Tag ID: MCC_DISC - 9270

Item Desc: MCC: Safety Disconnects A FRAME 1

Serial #:

Equip Type: MCC: Safety Disconnects

Mfg: Square-D

Model: UFP222R

Specifications	Value	Unit
Working Voltage	120	Volts
Current Rating	60	Amps
Conductor Size/Type/Al-Cu	THHN #8 Cu	kcmil/gauge
AIC Rating	10	KAmps
Phase Conductor Size / Type / Al-Cu	THHN #8 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #10 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: A frame #1

Tag ID: MCC_SEC - 9271

Item Desc: Motor Control Center (Per vertical section)

Serial #:

Equip Type: Motor Control Center (Per vertical section)

Mfg: Hoffman

Model: A60SA3812LP

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	30	Amps
Number of Sections (a of b)	1	Sections
Main Lugs Only (Yes/No)	NO	Unitless
Conductor Size / Type / Al-Cu	THHN #10 Cu	kcmil
Number of Cells	1	Total Cells
AIC Rating	200	KAmps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	473.9
[E] THDV % Phase A-B/%THD	0.8
[E] RMS Current Phase A/Amps	1.7
[E] THDC % Phase A/%THD	84.2
[E] RMS Voltage Phase B-C/Volts	476.3
[E] THDV % Phase B-C/%THD	1.9
[E] RMS Current Phase B/Amps	1.61
[E] THDC % Phase B/%THD	84.4
[E] RMS Voltage Phase C-A/Volts	475.1
[E] THDV % Phase C-A/%THD	0.9
[E] RMS Current Phase C/Amps	2.4
[E] THDC % Phase C/%THD	70.1
[E] RMS Current GND/Amps	0.09
[E] THDC % Ground/%	93.5

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: A frame #2

Tag ID: MCC_DISC 9268

Item Desc: A FRAME 2 DISC

Serial #:

Equip Type: MCC: Safety Disconnects

Mfg: Square-D

Model: UFP222R

Specifications	Value	Unit
Working Voltage	120	Volts
Current Rating	60	Amps
Conductor Size/Type/Al-Cu	THHN #8 Cu	kcmil/gauge
AIC Rating	10	KAmps
Phase Conductor Size / Type / Al-Cu	THHN #8 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #10 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: A frame #2

Tag ID: MCC_SEC -611544

Item Desc: A FRAME 2 CONTROL

Serial #:

Equip Type: Motor Control Center (Per vertical section)

Mfg: Hoffman

Model: A60SA3812LP

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	30	Amps
Number of Sections (a of b)	1	Sections
Main Lugs Only (Yes/No)	NO	Unitless
Conductor Size / Type / Al-Cu	THHN #10 Cu	kcmil
Number of Cells	1	Total Cells
AIC Rating	200	KAmps

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	476.3
[E] THDV % Phase A-B/%THD	0.9
[E] RMS Current Phase A/Amps	1.81
[E] THDC % Phase A/%THD	76.7
[E] RMS Voltage Phase B-C/Volts	480
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	1.15
[E] THDC % Phase B/%THD	82.2
[E] RMS Voltage Phase C-A/Volts	480
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	2.2
[E] THDC % Phase C/%THD	67.4
[E] RMS Current GND/Amps	0.12
[E] THDC % Ground/%	59.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: BCP - 9254

Item Desc: 2HA

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NF 12144184500010001

Specifications	Value	Unit
Working Voltage	480/277	Volts
Current Rating	400	Amps
Main Breaker Type	LAP36400MB	Model #
Branch Breaker Type	EGB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	42	Used
NEMA Type	1	Number
AIC Rating	35	KAmps
Main Conductor Size Type / Al-Cu	THHN 500 MCM Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN 500 MCM Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	470.2
[E] THDV % Phase A-B/%THD	0.7
[E] RMS Current Phase A/Amps	156.0
[E] THDC % Phase A/%THD	3.9
[E] RMS Voltage Phase B-C/Volts	145.1
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	144.3
[E] THDC % Phase B/%THD	3.1
[E] RMS Voltage Phase C-A/Volts	475.1
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	144.2
[E] THDC % Phase C/%THD	3.5
[E] RMS Voltage Phase A-Neutral/Volts	271.3
[E] THDV % Phase A-Neutral/%THD	1.5
[E] RMS Voltage Phase B-Neutral/Volts	273.8
[E] THDV % Phase B-Neutral/%THD	1.4
[E] RMS Voltage Phase C-Neutral/Volts	275.0
[E] THDV % Phase C-Neutral/%THD	1.3
[E] RMS Voltage Neutral-GND/Volts	0.603
[E] RMS Current Neutral/Amps	25.30
[E] THDC % Neutral/%THD	21.8
[E] RMS Current GND/Amps	0.62
[E] THDC % Ground/%	26.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: BCP - 9255

Item Desc: 2HA-1

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square-D

Model: N418L1C

Specifications	Value	Unit
Working Voltage	480	Volts
Current Rating	125	Amps
Main Breaker Type	MLO	Model #
Branch Breaker Type	EGB / EDB	Model #
Breaker Poles/Spaces Total	18	Total
Breaker Poles/Spaces In Use	16	Used
Breaker Poles/Spaces Spares/Unused	2	Spare
NEMA Type	1	Number
AIC Rating	18	KAmps
Main Conductor Size Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	469.0
[E] THDV % Phase A-B/%THD	0.6
[E] RMS Current Phase A/Amps	28.40
[E] THDC % Phase A/%THD	1.8
[E] RMS Voltage Phase B-C/Volts	472.7
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	38.85
[E] THDC % Phase B/%THD	2.3
[E] RMS Voltage Phase C-A/Volts	472.7
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	28.28
[E] THDC % Phase C/%THD	2.0
[E] RMS Current GND/Amps	0.11
[E] THDC % Ground/%	65.0

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: BCP - 9256

Item Desc: 1PA

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	125	Amps
Main Breaker Type	Q2L	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	41	Used
Breaker Poles/Spaces Spares/Unused	1	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #1 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #1 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	200.6
[E] THDV % Phase A-B/%THD	1.4
[E] RMS Current Phase A/Amps	36.09
[E] THDC % Phase A/%THD	14.9
[E] RMS Voltage Phase B-C/Volts	202.0
[E] THDV % Phase B-C/%THD	1.5
[E] RMS Current Phase B/Amps	25.43
[E] THDC % Phase B/%THD	19.5
[E] RMS Voltage Phase C-A/Volts	204.3
[E] THDV % Phase C-A/%THD	1.5
[E] RMS Current Phase C/Amps	21.71
[E] THDC % Phase C/%THD	27.1
[E] RMS Voltage Phase A-Neutral/Volts	117.2
[E] THDV % Phase A-Neutral/%THD	1.7
[E] RMS Voltage Phase B-Neutral/Volts	116.6
[E] THDV % Phase B-Neutral/%THD	1.6
[E] RMS Voltage Phase C-Neutral/Volts	116.9
[E] THDV % Phase C-Neutral/%THD	1.6
[E] RMS Voltage Neutral-GND/Volts	0.1
[E] RMS Current Neutral/Amps	15.67
[E] THDC % Neutral/%THD	81.3
[E] RMS Current GND/Amps	0.55
[E] THDC % Ground/%	24.8

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: BCP - 9257

Item Desc: 2PA

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQODQ2

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	Q2L	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	18	Used
Breaker Poles/Spaces Spares/Unused	24	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN 2/0 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN 2/0 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN # 2 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	204.7
[E] THDV % Phase A-B/%THD	1.0
[E] RMS Current Phase A/Amps	5.40
[E] THDC % Phase A/%THD	47.5
[E] RMS Voltage Phase B-C/Volts	202.9
[E] THDV % Phase B-C/%THD	0.9
[E] RMS Current Phase B/Amps	4.93
[E] THDC % Phase B/%THD	20.8
[E] RMS Voltage Phase C-A/Volts	202.8
[E] THDV % Phase C-A/%THD	1.0
[E] RMS Current Phase C/Amps	4.56
[E] THDC % Phase C/%THD	32.7
[E] RMS Voltage Phase A-Neutral/Volts	117.8
[E] THDV % Phase A-Neutral/%THD	1.0
[E] RMS Voltage Phase B-Neutral/Volts	117.8
[E] THDV % Phase B-Neutral/%THD	1.0
[E] RMS Voltage Phase C-Neutral/Volts	116.6
[E] THDV % Phase C-Neutral/%THD	0.9
[E] RMS Voltage Neutral-GND/Volts	0.030
[E] RMS Current Neutral/Amps	2.62
[E] THDC % Neutral/%THD	53.4
[E] RMS Current GND/Amps	0.91
[E] THDC % Ground/%	65.8

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: BCP - 9258

Item Desc: 3PA

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square-D

Model: NQODQ2

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	225	Amps
Main Breaker Type	Q2L	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	42	Total
Breaker Poles/Spaces In Use	40	Used
Breaker Poles/Spaces Spares/Unused	2	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN 2/0 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN 2/0 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	205.9
[E] THDV % Phase A-B/%THD	1.2
[E] RMS Current Phase A/Amps	10.31
[E] THDC % Phase A/%THD	51.9
[E] RMS Voltage Phase B-C/Volts	206.0
[E] THDV % Phase B-C/%THD	1.1
[E] RMS Current Phase B/Amps	11.20
[E] THDC % Phase B/%THD	49.4
[E] RMS Voltage Phase C-A/Volts	207.5
[E] THDV % Phase C-A/%THD	1.2
[E] RMS Current Phase C/Amps	10.16
[E] THDC % Phase C/%THD	34.7
[E] RMS Voltage Phase A-Neutral/Volts	119.3
[E] THDV % Phase A-Neutral/%THD	1.3
[E] RMS Voltage Phase B-Neutral/Volts	118.7
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	119.6
[E] THDV % Phase C-Neutral/%THD	1.2
[E] RMS Voltage Neutral-GND/Volts	0.017
[E] RMS Current Neutral/Amps	4.72
[E] THDC % Neutral/%THD	23.0
[E] RMS Current GND/Amps	2.47
[E] THDC % Ground/%	82.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: BCP - 9259

Item Desc: 3PA-1

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square-D

Model: NQOD

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	24	Total
Breaker Poles/Spaces In Use	21	Used
Breaker Poles/Spaces Spares/Unused	3	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	205.0
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	10.20
[E] THDC % Phase A/%THD	20.8
[E] RMS Voltage Phase B-C/Volts	205.2
[E] THDV % Phase B-C/%THD	1.3
[E] RMS Current Phase B/Amps	1.76
[E] THDC % Phase B/%THD	50.5
[E] RMS Voltage Phase C-A/Volts	206.5
[E] THDV % Phase C-A/%THD	1.1
[E] RMS Current Phase C/Amps	6.93
[E] THDC % Phase C/%THD	26.7
[E] RMS Voltage Phase A-Neutral/Volts	119.0
[E] THDV % Phase A-Neutral/%THD	1.2
[E] RMS Voltage Phase B-Neutral/Volts	118.1
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	119.0
[E] THDV % Phase C-Neutral/%THD	1.2
[E] RMS Voltage Neutral-GND/Volts	0.012
[E] RMS Current Neutral/Amps	3.74
[E] THDC % Neutral/%THD	51.0
[E] RMS Current GND/Amps	1.89
[E] THDC % Ground/%	91.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: BCP - 9260

Item Desc: 3PA-1-1

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square D

Model: NQOD

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	24	Total
Breaker Poles/Spaces In Use	22	Used
Breaker Poles/Spaces Spares/Unused	2	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	205.6
[E] THDV % Phase A-B/%THD	1.1
[E] RMS Current Phase A/Amps	0.73
[E] THDC % Phase A/%THD	73.7
[E] RMS Voltage Phase B-C/Volts	205.8
[E] THDV % Phase B-C/%THD	1.2
[E] RMS Current Phase B/Amps	0.95
[E] THDC % Phase B/%THD	49.4
[E] RMS Voltage Phase C-A/Volts	207.2
[E] THDV % Phase C-A/%THD	1.1
[E] RMS Current Phase C/Amps	1.0
[E] THDC % Phase C/%THD	49.9
[E] RMS Voltage Phase A-Neutral/Volts	119.0
[E] THDV % Phase A-Neutral/%THD	1.3
[E] RMS Voltage Phase B-Neutral/Volts	118.1
[E] THDV % Phase B-Neutral/%THD	1.3
[E] RMS Voltage Phase C-Neutral/Volts	119.0
[E] THDV % Phase C-Neutral/%THD	1.2
[E] RMS Current Neutral/Amps	1.09
[E] THDC % Neutral/%THD	98.0
[E] RMS Current GND/Amps	0.08
[E] THDC % Ground/%	98.0

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: LC - 9264

Item Desc: Lighting Contactor

Serial #:

Equip Type: Lighting Contactor

Mfg: Square-D

Model: LX

Specifications	Value	Unit
Working Voltage	277	Volts
Current Rating	30	Amps
Contactor Model	LX	Model #
Modes of Operation (Manual, Timer, Photocell)	MAN	Unitless
Conductor Size / Type / Al-Cu	THHN #12 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

No Variable Data

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: LC - 9265

Item Desc: Lighting Contactor

Serial #:

Equip Type: Lighting Contactor

Mfg: Square D

Model: LX

Specifications	Value	Unit
Working Voltage	277	Volts
Current Rating	30	Amps
Contactor Model	LX	Model #
Modes of Operation (Manual, Timer, Photocell)	MAN	Unitless
Conductor Size / Type / Al-Cu	#12 THHN Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

No Variable Data

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: TRD - 9261

Item Desc: Transformer Feeds Panel 1PA

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square-D

Model: 45T3H

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	45	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	54	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	125	Amps
Weight	330	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	6.2	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	THHN #4 Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	THHN #1 Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	THHN #1 Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C
Electrostatic Shield	YES	Unitless

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	475.1
[E] Pri THDV % Phase A-B/%	0.8
[E] Pri RMS Current Phase A/Amps	7.74
[E] Pri THDC % Phase A/%	24.5
[E] Pri RMS Voltage Phase B-C/Volts	477.6
[E] Pri THDV % Phase B-C/%	0.9
[E] Pri RMS Current Phase B/Amps	7.80
[E] Pri THDC % Phase B/%	23.5
[E] Pri RMS Voltage Phase C-A/Volts	480.0
[E] Pri THDV % Phase C-A/%	1.0
[E] Pri RMS Current Phase C/Amps	8.20
[E] Pri THDC % Phase C/%	22.8
[E] Pri RMS Current GND/Amps	0.26
[E] Pri THDC % GND/%	54.4
[E] Sec RMS Voltage Phase A-B/Volts	205.2
[E] Sec THDV % Phase A-B/%	1.4
[E] Sec RMS Current Phase A/Amps	13.09
[E] Sec THDC % Phase A/%	42.8
[E] Sec RMS Voltage Phase B-C/Volts	205.8
[E] Sec THDV % Phase B-C/%	1.7
[E] Sec RMS Current Phase B/Amps	11.59
[E] Sec THDC % Phase B/%	45.6
[E] Sec RMS Voltage Phase C-A/Volts	206.6
[E] Sec THDV % Phase C-A/%	1.6
[E] Sec RMS Current Phase C/Amps	22.82
[E] Sec THDC % Phase C/%	28.7
[E] Sec RMS Voltage Phase A-N/Volts	119.0
[E] Sec THDV % Phase A-N/%	1.7
[E] Sec RMS Voltage Phase B-N/Volts	118.4
[E] Sec THDV % Phase B-N/%	1.6
[E] Sec RMS Voltage Phase C-N/Volts	118.7
[E] Sec THDV % Phase C-N/%	1.9
[E] Sec RMS Voltage Neutral-GND/Volts	0.020
[E] Sec RMS Current Neutral/Amps	16.10
[E] Sec THDC % Neutral/%	83.6
[E] Sec RMS Current GND/Amps	0.18
[E] Sec THDC % GND/%	27.4

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: TRD - 9262

Item Desc: Transformer Feed for Panel 2PA

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 75T3HIS

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	75	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	90	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	208	Amps
Weight	500	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	5.7	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	THHN 2/0 Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	THHN 2/0 Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C
Electrostatic Shield	YES	Unitless

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	480
[E] Pri THDV % Phase A-B/%	1.0
[E] Pri RMS Current Phase A/Amps	5.58
[E] Pri THDC % Phase A/%	29.9
[E] Pri RMS Voltage Phase B-C/Volts	476.3
[E] Pri THDV % Phase B-C/%	0.8
[E] Pri RMS Current Phase B/Amps	5.2
[E] Pri THDC % Phase B/%	27.4
[E] Pri RMS Voltage Phase C-A/Volts	480
[E] Pri THDV % Phase C-A/%	1.0
[E] Pri RMS Current Phase C/Amps	5.55
[E] Pri THDC % Phase C/%	17.5
[E] Pri RMS Current GND/Amps	1.17
[E] Pri THDC % GND/%	70.1
[E] Sec RMS Voltage Phase A-B/Volts	207.7
[E] Sec THDV % Phase A-B/%	1.1
[E] Sec RMS Current Phase A/Amps	5.05
[E] Sec THDC % Phase A/%	50.5
[E] Sec RMS Voltage Phase B-C/Volts	206.1
[E] Sec THDV % Phase B-C/%	1.0
[E] Sec RMS Current Phase B/Amps	5.49
[E] Sec THDC % Phase B/%	28.2
[E] Sec RMS Voltage Phase C-A/Volts	205.9
[E] Sec THDV % Phase C-A/%	1.0
[E] Sec RMS Current Phase C/Amps	3.0
[E] Sec THDC % Phase C/%	49.4
[E] Sec RMS Voltage Phase A-N/Volts	119.6
[E] Sec THDV % Phase A-N/%	1.1
[E] Sec RMS Voltage Phase B-N/Volts	119.6
[E] Sec THDV % Phase B-N/%	1.1
[E] Sec RMS Voltage Phase C-N/Volts	118.7
[E] Sec THDV % Phase C-N/%	0.9
[E] Sec RMS Voltage Neutral-GND/Volts	0.01
[E] Sec RMS Current Neutral/Amps	5.74
[E] Sec THDC % Neutral/%	51.4
[E] Sec RMS Current GND/Amps	1.08
[E] Sec THDC % GND/%	70.7

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Random CLS Area 41

Tag ID: TRD - 9263

Item Desc: Transformer Feed for Panel 3PA

Serial #:

Equip Type: Transformer Dry - <=600V <250 kva

Mfg: Square D

Model: 75T3HIS

Specifications	Value	Unit
Configuration (Delta/Wye)	YES	Unitless
KVA Rating	75	KVA
Primary Voltage	480	Volts
Primary Current (Calculated Maximum)	90	Amps
Secondary Voltage	208/120	Volts
Secondary Current (Calculated Maximum)	208	Amps
Weight	500	Lbs
Phase (1 or 3)	3	Unitless
Winding Impedance	5.7	%Z
Tap Position	3	Unitless
Number of Taps	7	Taps
Primary Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/gauge
Secondary Conductor Size / Type / Al-Cu	THHN 2/0 Cu	kcmil/gauge
Secondary Neutral Conductor Size / Type / Al-Cu	THHN 2/0 Cu	kcmil/gauge
Secondary Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/gauge
Bonding Jumper Conductor Size / Type / Al-Cu	STRAP	kcmil/gauge
Temperature Rise	150	degrees C
Electrostatic Shield	YES	Unitless

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] Pri RMS Voltage Phase A-B/Volts	473.9
[E] Pri THDV % Phase A-B/%	0.8
[E] Pri RMS Current Phase A/Amps	5.99
[E] Pri THDC % Phase A/%	42.1
[E] Pri RMS Voltage Phase B-C/Volts	477.6
[E] Pri THDV % Phase B-C/%	1.0
[E] Pri RMS Current Phase B/Amps	6.86.
[E] Pri THDC % Phase B/%	27.9
[E] Pri RMS Voltage Phase C-A/Volts	477.6
[E] Pri THDV % Phase C-A/%	0.9
[E] Pri RMS Current Phase C/Amps	7.67
[E] Pri THDC % Phase C/%	21.1
[E] Pri RMS Current GND/Amps	2.39
[E] Pri THDC % GND/%	86.3
[E] Sec RMS Voltage Phase A-B/Volts	205.2
[E] Sec THDV % Phase A-B/%	1.1
[E] Sec RMS Current Phase A/Amps	9.9
[E] Sec THDC % Phase A/%	50.6
[E] Sec RMS Voltage Phase B-C/Volts	205.0
[E] Sec THDV % Phase B-C/%	1.3
[E] Sec RMS Current Phase B/Amps	11.5
[E] Sec THDC % Phase B/%	46.9
[E] Sec RMS Voltage Phase C-A/Volts	205.1
[E] Sec THDV % Phase C-A/%	1.3
[E] Sec RMS Current Phase C/Amps	8.94
[E] Sec THDC % Phase C/%	41.1
[E] Sec RMS Voltage Phase A-N/Volts	119
[E] Sec THDV % Phase A-N/%	1.2
[E] Sec RMS Voltage Phase B-N/Volts	118.4
[E] Sec THDV % Phase B-N/%	1.4
[E] Sec RMS Voltage Phase C-N/Volts	119.0
[E] Sec THDV % Phase C-N/%	1.3
[E] Sec RMS Voltage Neutral-GND/Volts	0.01
[E] Sec RMS Current Neutral/Amps	9.9
[E] Sec THDC % Neutral/%	87.6
[E] Sec RMS Current GND/Amps	3.3
[E] Sec THDC % GND/%	61.2

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Control Subpanels

Tag ID: BCP - 9266

Item Desc: 1PA-1

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square-D

Model: NQOD

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	30	Used
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #2 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	205.3
[E] THDV % Phase A-B/%THD	1.5
[E] RMS Current Phase A/Amps	6.89
[E] THDC % Phase A/%THD	43.0
[E] RMS Voltage Phase B-C/Volts	204.7
[E] THDV % Phase B-C/%THD	1.4
[E] RMS Current Phase B/Amps	3.86
[E] THDC % Phase B/%THD	32.7
[E] RMS Voltage Phase C-A/Volts	204.3
[E] THDV % Phase C-A/%THD	1.6
[E] RMS Current Phase C/Amps	5.58
[E] THDC % Phase C/%THD	51.7
[E] RMS Voltage Phase A-Neutral/Volts	117.8
[E] THDV % Phase A-Neutral/%THD	2.0
[E] RMS Voltage Phase B-Neutral/Volts	118.4
[E] THDV % Phase B-Neutral/%THD	1.6
[E] RMS Voltage Phase C-Neutral/Volts	116.9
[E] THDV % Phase C-Neutral/%THD	1.6
[E] RMS Voltage Neutral-GND/Volts	0.05
[E] RMS Current Neutral/Amps	6.9
[E] THDC % Neutral/%THD	80.1
[E] RMS Current GND/Amps	0.16
[E] THDC % Ground/%	95.3

Equipment Inventory

Agreement: PRE64960322JJ-07/11-01

Site Name: CMOP

Equipment Location: Control Subpanels

Tag ID: BCP - 9267

Item Desc: 1PA-2

Serial #:

Equip Type: Branch Circuit Panel <= 400 amp

Mfg: Square-D

Model: NQOD

Specifications	Value	Unit
Working Voltage	208/120	Volts
Current Rating	100	Amps
Main Breaker Type	QOB	Model #
Branch Breaker Type	QOB	Model #
Breaker Poles/Spaces Total	30	Total
Breaker Poles/Spaces In Use	13	Used
Breaker Poles/Spaces Spares/Unused	17	Spare
NEMA Type	1	Number
AIC Rating	10	KAmps
Main Conductor Size Type / Al-Cu	THHN #4 Cu	kcmil/AWG
Neutral Conductor Size / Type / Al-Cu	THHN #4 Cu	kcmil/AWG
Ground Conductor Size / Type / Al-Cu	THHN #6 Cu	kcmil/AWG

Application:

Safety Notes:

Equipment Variables

TM - Variable/Unit	8/17/2011
[E] RMS Voltage Phase A-B/Volts	204.6
[E] THDV % Phase A-B/%THD	1.7
[E] RMS Current Phase A/Amps	4.96
[E] THDC % Phase A/%THD	43.2
[E] RMS Voltage Phase B-C/Volts	203.7
[E] THDV % Phase B-C/%THD	1.5
[E] RMS Current Phase B/Amps	2.11
[E] THDC % Phase B/%THD	44.5
[E] RMS Voltage Phase C-A/Volts	202.9
[E] THDV % Phase C-A/%THD	1.6
[E] RMS Current Phase C/Amps	1.58
[E] THDC % Phase C/%THD	54.4
[E] RMS Voltage Phase A-Neutral/Volts	117.5
[E] THDV % Phase A-Neutral/%THD	2.0
[E] RMS Voltage Phase B-Neutral/Volts	118.4
[E] THDV % Phase B-Neutral/%THD	1.7
[E] RMS Voltage Phase C-Neutral/Volts	1417.2
[E] THDV % Phase C-Neutral/%THD	1.7
[E] RMS Voltage Neutral-GND/Volts	0.04
[E] RMS Current Neutral/Amps	4.64
[E] THDC % Neutral/%THD	75.1
[E] RMS Current GND/Amps	0.4
[E] THDC % Ground/%	82.6