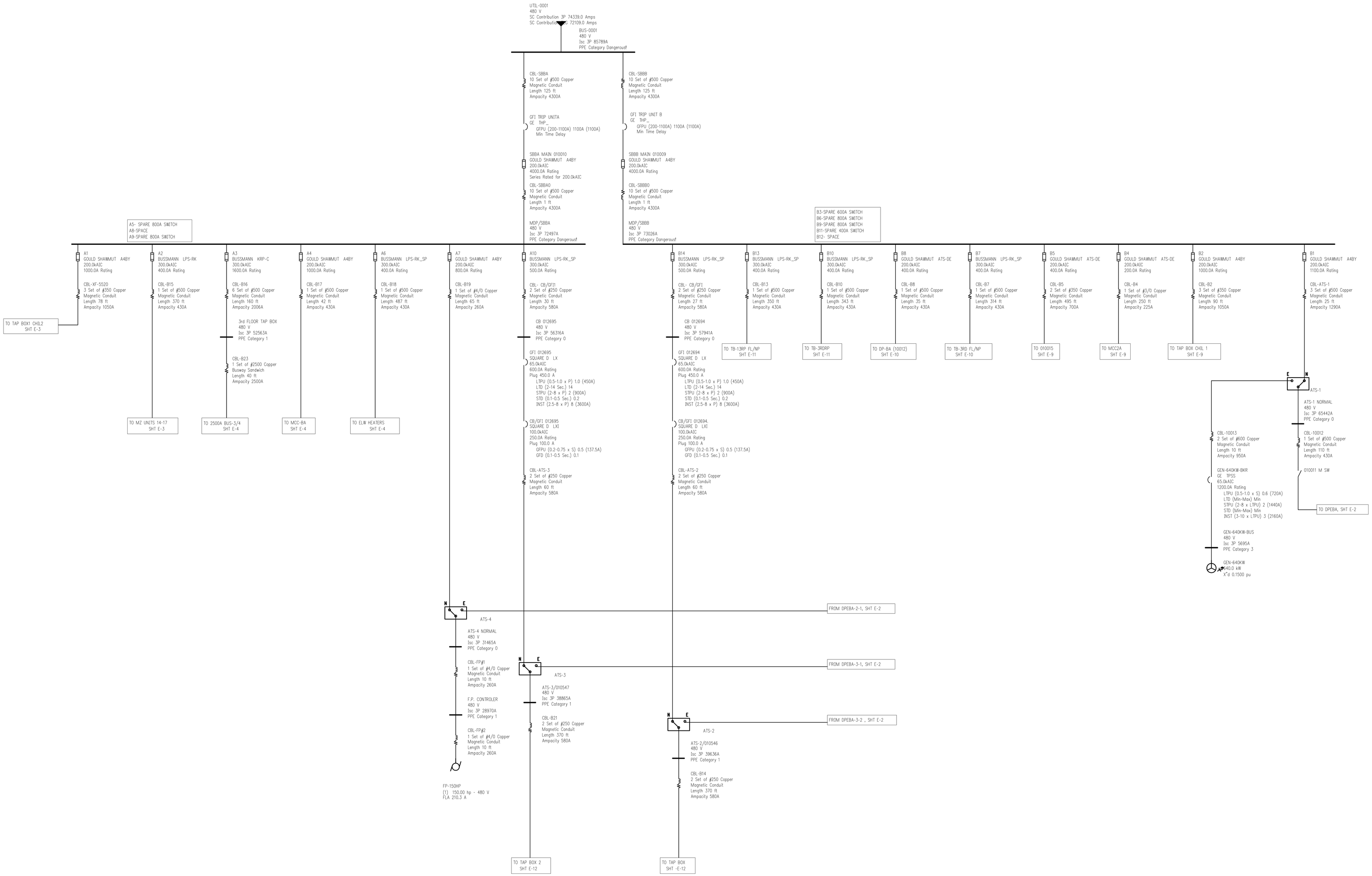

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REV No	ISSUE	DATE
	RECORD DWG	03-24-09

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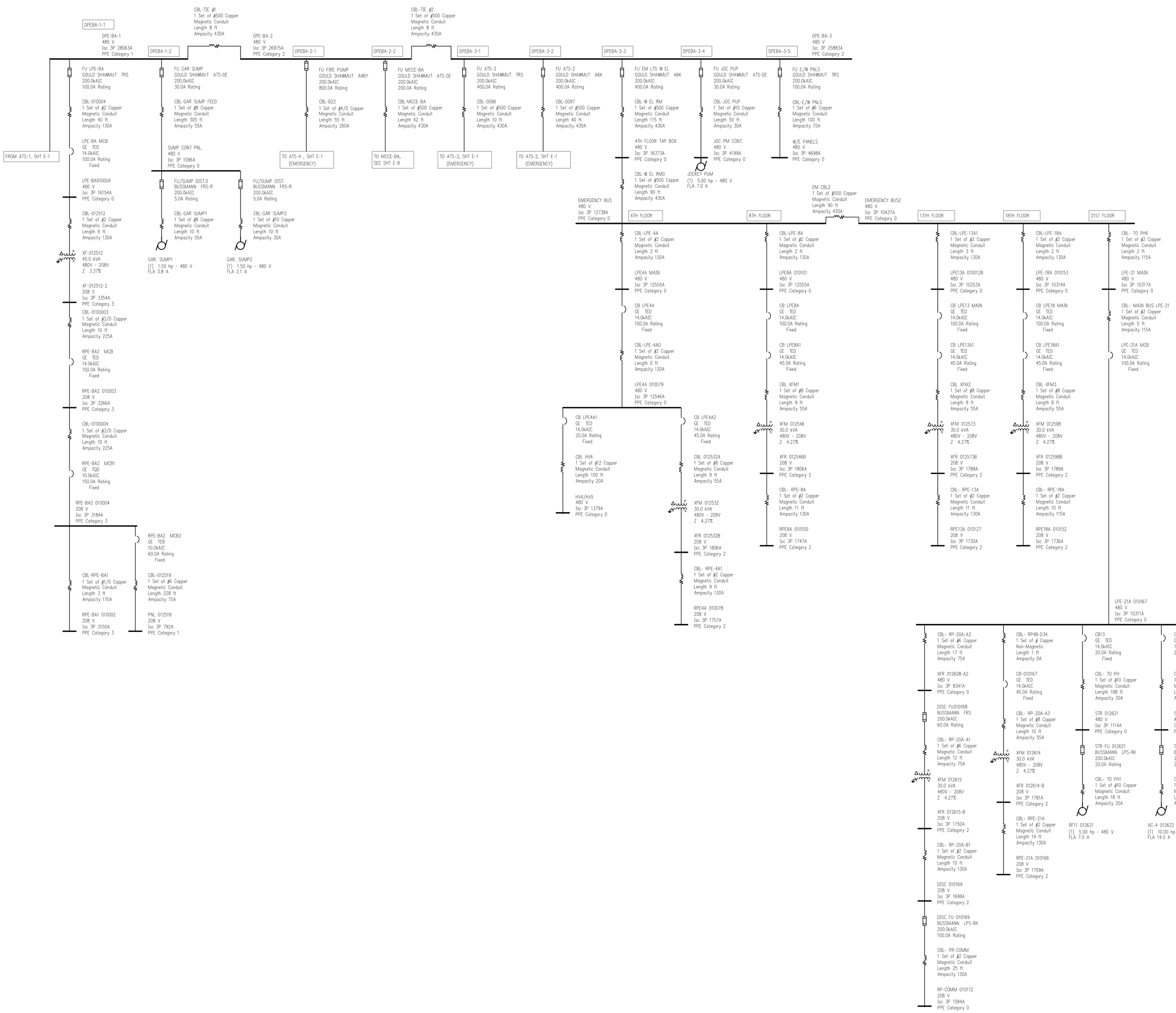
640 JACKSON BLVD.
TOLEDO, OHIO 43604

PARTIAL ARC-FLASH - ONE LINE DIAGRAM

JDRM ENGINEERING, INC.
MECHANICAL ♦ ELECTRICAL ♦ TELECOMMUNICATIONS
5604 N. Main St., Suite 200
Sylvania, Ohio 43560
Ph. (419) 824-2400
Fax (419) 824-2409

JOB NO:	GE0602
DR. BY:	RDN
CK. BY:	AWM
APP. BY:	DTK
SCALE:	NONE
DATE:	10-08-07

SHEET E1 OF 1 1



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REV. No	ISSUE	DATE
	UPDATE #2 RECORD DWG	12-10-10
	RECORD DWG	03-24-09

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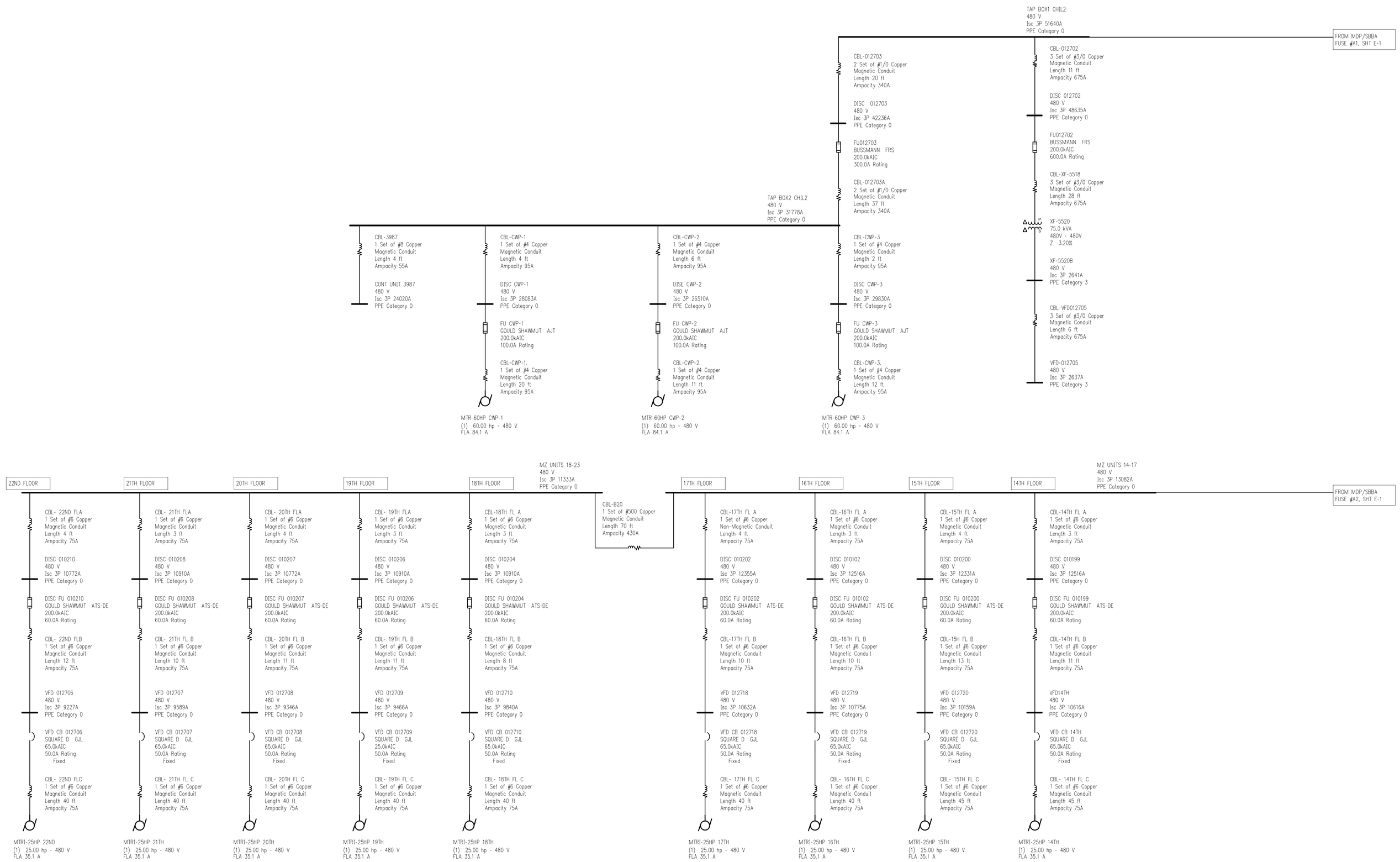
SHEET E2 OF - -



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REV No	ISSUE	DATE
	RECORD DWG	03-24-09

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JOB NO.: GE0602
DR. BY: RDN
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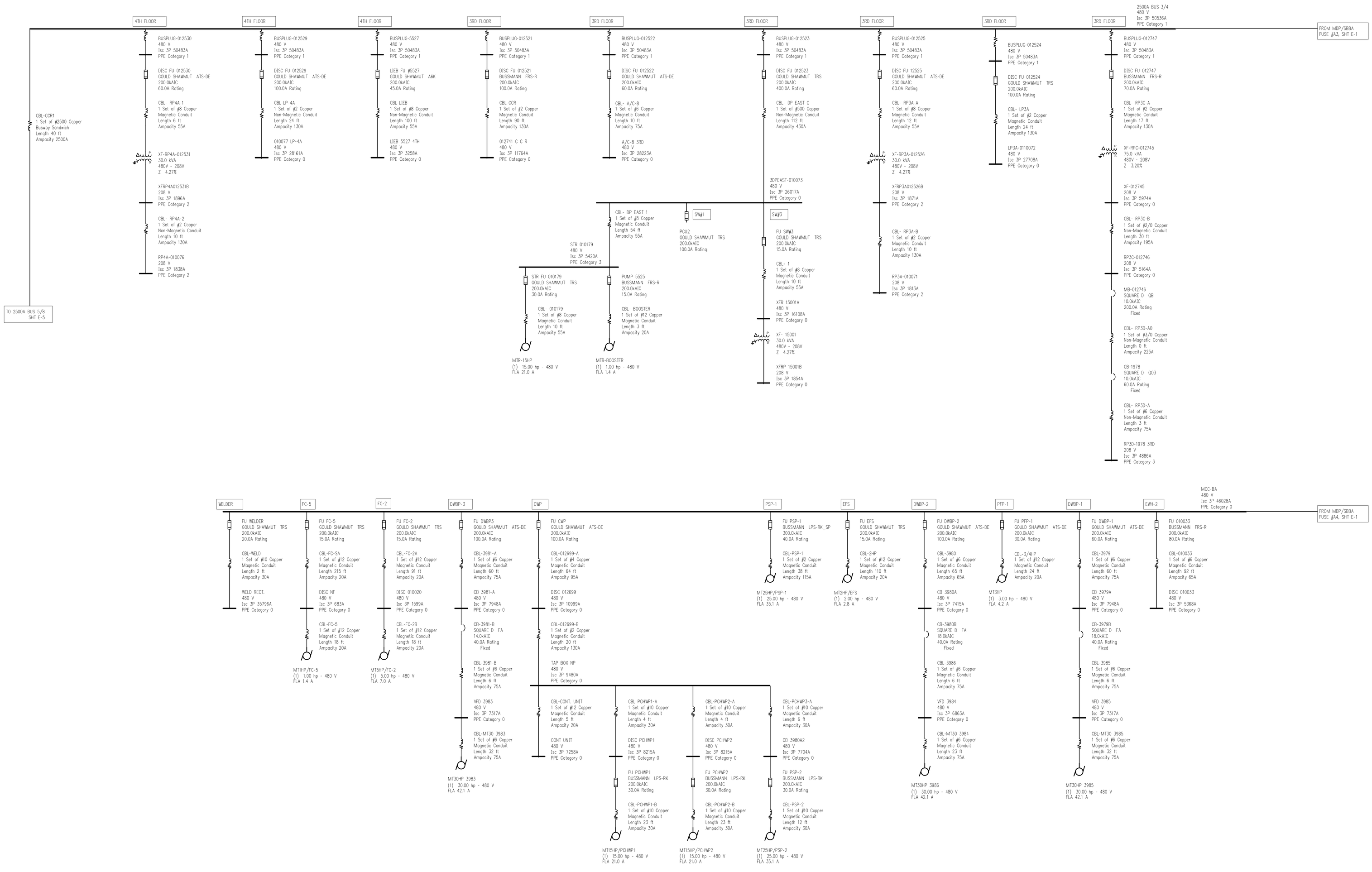
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E3 OF 1 1



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REV. No.	ISSUE	DATE
	RECORD DWG	03-24-09

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JOB NO.:	GE0602
DR. BY:	RDN
CK. BY:	AWM
APP. BY:	DTK
SCALE:	NONE
DATE:	10-08-07

SHEET E4 OF

FROM 2500A BUS 3/4
SHT E-4

2500A BUS 5/8
480 V
Isc 3P 48643A
PPE Category 1

5TH FLOOR

BUSPLUG-012535
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012535
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-5C-A
1 Set of #8 Copper
Non-Magnetic Conduit
Length 6 ft
Ampacity 55A

XF-RP5C 012534
30.0 kVA
480V - 208V
Z 4.27%

XFRP5C012534B
208 V
Isc 3P 1895A
PPE Category 2

CBL- RP-5C-B1
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 130A

RP5A 010082
208 V
Isc 3P 1835A
PPE Category 2

CBL- RP4B-020
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

MB-01082
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP4B-018
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

CB-01082
GE TEB
10.0kAIC
60.0A Rating
Fixed

CBL- RP-5C-B
1 Set of #6 Copper
Magnetic Conduit
Length 8 ft
Ampacity 55A

RP-5C-010083
208 V
Isc 3P 1733A
PPE Category 2

5TH FLOOR

BUSPLUG-012536
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012536
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL-LP-5A
1 Set of #2 Copper
Magnetic Conduit
Length 19 ft
Ampacity 95A

LP-5A 010084
480 V
Isc 3P 29986A
PPE Category 0

6TH FLOOR

BUSPLUG-012539
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012539
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL-LP-6A
1 Set of #2 Copper
Non-Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-6A 010089
480 V
Isc 3P 29803A
PPE Category 0

6TH FLOOR

BUSPLUG-012540
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012540
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-6A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 50A

XF-RP6A 012538
30.0 kVA
480V - 208V
Z 4.27%

XFRPRA012538B
208 V
Isc 3P 1894A
PPE Category 2

CBL- RP6A-B
1 Set of #2 Copper
Magnetic Conduit
Length 11 ft
Ampacity 130A

RP-6A 10088
208 V
Isc 3P 1829A
PPE Category 2

CBL- RP4B-021
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

MB-10088
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP4B-019
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

CB-10083
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- N6RD
1 Set of #2 Copper
Magnetic Conduit
Length 4 ft
Ampacity 130A

N6RD 010563
208 V
Isc 3P 1807A
PPE Category 2

7TH FLOOR

BUSPLUG-012734
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012734
GOULD SHAWMUT TRS
200.0kAIC
70.0A Rating

CBL- RP-7DA
1 Set of #2 Copper
Non-Magnetic Conduit
Length 5 ft
Ampacity 130A

XF-RP7D 012735
75.0 kVA
480V - 208V
Z 3.20%

XFRP7D012735B
208 V
Isc 3P 6094A
PPE Category 0

CBL- RP-7DB
1 Set of #2/0 Copper
Magnetic Conduit
Length 8 ft
Ampacity 195A

DISC 012733
208 V
Isc 3P 5829A
PPE Category 0

DISC FU 012733
GOULD SHAWMUT TR
200.0kAIC
200.0A Rating

CBL- RP-7DC
1 Set of #2/0 Copper
Magnetic Conduit
Length 179 ft
Ampacity 195A

RP-7D 012736
208 V
Isc 3P 2934A
PPE Category 3

7TH FLOOR

BUSPLUG-012542
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012542
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-7A
1 Set of #2 Copper
Magnetic Conduit
Length 16 ft
Ampacity 130A

LP-7A 10094
480 V
Isc 3P 32013A
PPE Category 0

7TH FLOOR

BUSPLUG-012543
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012543
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-7A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 55A

XF-RP7A 012544
30.0 kVA
480V - 208V
Z 4.27%

XFRP7A012544B
208 V
Isc 3P 1894A
PPE Category 2

CBL- RP-7A-B
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 130A

RP-7A 10093
208 V
Isc 3P 1835A
PPE Category 2

8TH FLOOR

CBL-0041
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012548
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012548
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-8A
1 Set of #2 Copper
Magnetic Conduit
Length 22 ft
Ampacity 130A

LP-8A 010099
480 V
Isc 3P 28184A
PPE Category 0

8TH FLOOR

CBL-0042
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012547
480 V
Isc 3P 48593A
PPE Category 1

DISC FU 012547
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-8A-A
1 Set of #8 Copper
Magnetic Conduit
Length 8 ft
Ampacity 55A

XF-RP8A012549
30.0 kVA
480V - 208V
Z 4.27%

XFRP8A012549B
208 V
Isc 3P 1886A
PPE Category 2

CBL- RP-8A-B
1 Set of #2 Copper
Magnetic Conduit
Length 8 ft
Ampacity 130A

RP-8A 010098
208 V
Isc 3P 1839A
PPE Category 2

CBL- RP4B-023
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

MB-010098
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP4B-022
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

CB-010098
GE TEB
10.0kAIC
60.0A Rating
Fixed

CBL- RP-8A1
1 Set of #6 Copper
Non-Magnetic Conduit
Length 25 ft
Ampacity 65A

RP-8A1 5296
208 V
Isc 3P 1553A
PPE Category 2

CBL-CCR2
1 Set of #2500 Copper
Busway Sandwich
Length 40 ft
Ampacity 2500A

2500A BUS 9/11
480 V
Isc 3P 46878A
PPE Category 1

CBL-CCR3
1 Set of #2500 Copper
Busway Sandwich
Length 40 ft
Ampacity 2500A

TO 2500A BUS 12/13
SHT E-6

11TH FLOOR

CBL-0050
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012725
480 V
Isc 3P 46832A
PPE Category 1

DISC FU 012725
BUSSMANN FRS-R
200.0kAIC
70.0A Rating

CBL- A
1 Set of #2 Copper
Magnetic Conduit
Length 6 ft
Ampacity 130A

XF-R 012727
75.0 kVA
480V - 208V
Z 3.20%

XFR 012727 SEC
208 V
Isc 3P 6068A
PPE Category 0

CBL- B
1 Set of #2/0 Copper
Magnetic Conduit
Length 12 ft
Ampacity 195A

DISC 012726
208 V
Isc 3P 5682A
PPE Category 0

TO LIBERT UNIT

11TH FLOOR

CBL-0049
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012561
480 V
Isc 3P 46832A
PPE Category 1

DISC FU 012561
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP11A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 55A

XF-R 012562
30.0 kVA
480V - 208V
Z 4.27%

XFR 012562B
208 V
Isc 3P 1893A
PPE Category 2

CBL- RP11A-B
1 Set of #2 Copper
Magnetic Conduit
Length 12 ft
Ampacity 130A

RP-11A (010114)
208 V
Isc 3P 1822A
PPE Category 2

CBL- RP11A-B0
1 Set of #2 Copper
Magnetic Conduit
Length 30 ft
Ampacity 130A

RP-11B (GEM #9638)
208 V
Isc 3P 1666A
PPE Category 2

11TH FLOOR

CBL-0048
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012560
480 V
Isc 3P 46832A
PPE Category 1

DISC FU 012560
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-11A
1 Set of #2 Copper
Magnetic Conduit
Length 23 ft
Ampacity 130A

LP-11A 010115
480 V
Isc 3P 27015A
PPE Category 0

10TH FLOOR

CBL-0047
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012557
480 V
Isc 3P 46832A
PPE Category 1

DISC FU 012557
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-10A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 55A

XF-R 012558
30.0 kVA
480V - 208V
Z 4.27%

XFR 012558B
208 V
Isc 3P 1893A
PPE Category 2

CBL- RP-10A-B
1 Set of #2 Copper
Magnetic Conduit
Length 11 ft
Ampacity 130A

RP-10A 010109
208 V
Isc 3P 1828A
PPE Category 2

CBL- RP4B-025
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

MB-010109
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP4B-024
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

CB-010109
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP-10A-1
1 Set of #4 Copper
Magnetic Conduit
Length 3 ft
Ampacity 95A

RP-10A-1012555
208 V
Isc 3P 1802A
PPE Category 2

10TH FLOOR

CBL-0046
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012556
480 V
Isc 3P 46832A
PPE Category 1

DISC FU 012556
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-10A
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-10A 010110
480 V
Isc 3P 28672A
PPE Category 0

9TH FLOOR

CBL-0045
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-1407
480 V
Isc 3P 46832A
PPE Category 1

DISC FU 1407
BUSSMANN FRS-R
200.0kAIC
100.0A Rating

CBL- PNL 1406A
1 Set of #2 Copper
Magnetic Conduit
Length 5 ft
Ampacity 130A

XF-1408
75.0 kVA
480V - 208V
Z 3.20%

XF1406/1408B
208 V
Isc 3P 6079A
PPE Category 2

CBL- PNL 1406B
1 Set of #4/0 Copper
Magnetic Conduit
Length 12 ft
Ampacity 260A

PNL #1406
208 V
Isc 3P 5794A
PPE Category 3

9TH FLOOR

CBL-0044
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012552
480 V
Isc 3P 46832A
PPE Category 1

DISC FU 012552
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-9A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 50A

XF-RP9A 012553
30.0 kVA
480V - 208V
Z 4.27%

XFRP9A012553B
208 V
Isc 3P 1893A
PPE Category 2

CBL- RP-9A-B
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 130A

RP-9A 010104
208 V
Isc 3P 1834A
PPE Category 2

9TH FLOOR

CBL-0043
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012551
480 V
Isc 3P 46832A
PPE Category 1

DISC FU 012551
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-9A
1 Set of #2 Copper
Magnetic Conduit
Length 22 ft
Ampacity 130A

LP-9A 010105
480 V
Isc 3P 27547A
PPE Category 0

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REV No	ISSUE	DATE
	UPDATE #2 RECORD DWG	12-10-10
	RECORD DWG	03-24-09

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WALBRIDGE, OHIO 43465
419-666-6634

ONE GOVERNMENT CENTER
640 JACKSON BLVD.
TOLEDO, OHIO 43604

PARTIAL ARC-FLASH - ONE LINE DIAGRAM

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JOB NO.: GE0602
DR. BY: RDN
CK. BY: AWM
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E5

FROM 2500A BUS 9/11
SHT E-5

2500A BUS 12/13
480 V
Isc 3P 45230A
PPE Category 1

12TH FLOOR

CBL-0051
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012565
480 V
Isc 3P 45187A
PPE Category 1

DISC FU 012565
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-12B-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 55A

XFM RB12B
30.0 kVA
480V - 208V
Z 4.27%

XFR RB12-B-B
208 V
Isc 3P 1892A
PPE Category 2

CBL- RP-12B-B
1 Set of #2 Copper
Magnetic Conduit
Length 12 ft
Ampacity 130A

RP-12B 010119
208 V
Isc 3P 1821A
PPE Category 2

CBL- RP4B-027
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

MB-010119
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP4B-026
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

CB-010119
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP-12B1
1 Set of #4 Copper
Magnetic Conduit
Length 8 ft
Ampacity 95A

RP-12B1 010120
208 V
Isc 3P 1754A
PPE Category 2

12TH FLOOR

CBL-0052
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012564
480 V
Isc 3P 45187A
PPE Category 1

DISC FU 012564
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-12A
1 Set of #2 Copper
Magnetic Conduit
Length 18 ft
Ampacity 115A

LP-12A 010121
480 V
Isc 3P 29171A
PPE Category 0

12TH FLOOR

CBL-0053
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-5297
480 V
Isc 3P 45187A
PPE Category 1

DISC FU 5297
GOULD SHAWMUT TRS
200.0kAIC
100.0A Rating

CBL- 5299-A
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 130A

XFM 5298
75.0 kVA
480V - 208V
Z 3.20%

XFR 5298-B
208 V
Isc 3P 6011A
PPE Category 2

CBL- 5299-B
1 Set of #3/0 Copper
Magnetic Conduit
Length 15 ft
Ampacity 225A

5299
208 V
Isc 3P 5612A
PPE Category 2

13TH FLOOR

CBL-0054
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012569
480 V
Isc 3P 45187A
PPE Category 1

DISC FU 12569
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-13A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 50A

XFM 012570
30.0 kVA
480V - 208V
Z 4.27%

XFR 012570-B
208 V
Isc 3P 1892A
PPE Category 2

CBL- RP-13A-B
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 115A

RP-13A 010125
208 V
Isc 3P 1833A
PPE Category 2

13TH FLOOR

CBL-0055
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012568
480 V
Isc 3P 45187A
PPE Category 1

DISC FU 012568
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-13A
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-13A 010126
480 V
Isc 3P 28013A
PPE Category 0

13TH FLOOR

CBL-0056
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012571
480 V
Isc 3P 45187A
PPE Category 1

DISC FU 012571
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- 012574A
1 Set of #2 Copper
Magnetic Conduit
Length 13 ft
Ampacity 130A

XF-R 012574
75.0 kVA
480V - 208V
Z 3.20%

CBL- 012627A
1 Set of #3/0 Copper
Magnetic Conduit
Length 90 ft
Ampacity 225A

KP-13C
208 V
Isc 3P 4192A
PPE Category 3

CBL- RP4B-029
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

MB-012627
GE TFJ
25.0kAIC
200.0A Rating
Thermal Curve (Fixed)
INST (4.5-10 x Trip) H1 (2000A)

CBL- RP4B-028
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

CB-012627
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- 012626
1 Set of #4 Copper
Magnetic Conduit
Length 5 ft
Ampacity 95A

KP-13D
208 V
Isc 3P 3988A
PPE Category 3

13TH FLOOR

CBL-0057
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012572
480 V
Isc 3P 45187A
PPE Category 1

DISC FU 012572
GOULD SHAWMUT TRS
200.0kAIC
50.0A Rating

CBL- MZ26-A
1 Set of #6 Copper
Magnetic Conduit
Length 55 ft
Ampacity 75A

MZ26 010196
480 V
Isc 3P 8451A
PPE Category 0

DISC FU 010196
BUSSMANN LPS-RK
200.0kAIC
30.0A Rating

CBL- MZ26-B
1 Set of #8 Copper
Magnetic Conduit
Length 10 ft
Ampacity 55A

MX26 25HP
(1) 25.00 hp - 480 V
FLA 35.1 A

CBL-CCR4
1 Set of #2500 Copper
Busway Sandwich
Length 40 ft
Ampacity 2500A

TO 2500A BUS 17/20
SHT E-7

CBL- CCR5
1 Set of #2500 Copper
Busway Sandwich
Length 40 ft
Ampacity 2500A

16TH FLOOR

CBL-0065
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012602
480 V
Isc 3P 43638A
PPE Category 2

DISC FU 012602
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP16A
1 Set of #2 Copper
Magnetic Conduit
Length 24 ft
Ampacity 130A

LP16A 010143
480 V
Isc 3P 25392A
PPE Category 0

16TH FLOOR

CBL-0064
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012603
480 V
Isc 3P 43638A
PPE Category 2

DISC FU 012603
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-16A-A
1 Set of #8 Copper
Magnetic Conduit
Length 8 ft
Ampacity 55A

XFM 012604
30.0 kVA
480V - 208V
Z 4.27%

XFR 012604-B
208 V
Isc 3P 1882A
PPE Category 2

CBL- RP-16A-B
1 Set of #2 Copper
Magnetic Conduit
Length 100 ft
Ampacity 130A

RP-16A 010142
208 V
Isc 3P 1422A
PPE Category 2

15TH FLOOR

CBL-0063
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012584
480 V
Isc 3P 43638A
PPE Category 2

DISC FU 012584
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP15A
1 Set of #2 Copper
Magnetic Conduit
Length 21 ft
Ampacity 130A

LP15A 010139
480 V
Isc 3P 26856A
PPE Category 0

15TH FLOOR

CBL-0062
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012585
480 V
Isc 3P 43638A
PPE Category 2

DISC FU 01585
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-15A-A
1 Set of #8 Copper
Magnetic Conduit
Length 7 ft
Ampacity 55A

XFM 012586
30.0 kVA
480V - 208V
Z 4.27%

XFR 012586-B
208 V
Isc 3P 1886A
PPE Category 2

CBL- RP-15A-B
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 130A

RP-15A 010138
208 V
Isc 3P 1827A
PPE Category 2

CBL- RP4B-031
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

MB-010138
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP4B-030
1 Set of # Copper
Non-Magnetic
Length 1 ft
Ampacity 0A

CB-010138
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP-15A1
1 Set of #4 Copper
Magnetic Conduit
Length 6 ft
Ampacity 95A

RP-15A1 010137
208 V
Isc 3P 1777A
PPE Category 2

14TH FLOOR

CBL-0061
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012581
480 V
Isc 3P 43638A
PPE Category 2

DISC FU 012581
GOULD SHAWMUT TRS
200.0kAIC
60.0A Rating

CBL-RPB-14AA-A
1 Set of #6 Copper
Magnetic Conduit
Length 9 ft
Ampacity 75A

XF-R 012582
30.0 kVA
480V - 208V
Z 4.27%

XFR-012582-B
208 V
Isc 3P 1892A
PPE Category 2

CBL-RPB-14AA-B
1 Set of #2 Copper
Magnetic Conduit
Length 8 ft
Ampacity 130A

RPB14AA 010136
208 V
Isc 3P 1844A
PPE Category 2

14TH FLOOR

CBL-0060
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012580
480 V
Isc 3P 43638A
PPE Category 2

DISC FU 012580
GOULD SHAWMUT TRS
200.0kAIC
60.0A Rating

CBL-RP14BB1
1 Set of #6 Copper
Magnetic Conduit
Length 108 ft
Ampacity 75A

XF-R 012576
30.0 kVA
480V - 208V
Z 4.27%

XF 012576B
208 V
Isc 3P 1656A
PPE Category 2

CBL- RP14BB2
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 130A

RP-14BB 010132
208 V
Isc 3P 1610A
PPE Category 2

14TH FLOOR

CBL-0059
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012578
480 V
Isc 3P 43638A
PPE Category 2

DISC FU 012578
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL-RP14A-A
1 Set of #8 Copper
Magnetic Conduit
Length 7 ft
Ampacity 55A

XF-R RP14A.
30.0 kVA
480V - 208V
Z 4.27%

XF-R RP14A
208 V
Isc 3P 1886A
PPE Category 2

CBL- RP14A-B
1 Set of #2 Copper
Magnetic Conduit
Length 11 ft
Ampacity 130A

RP14A 010134
208 V
Isc 3P 1822A
PPE Category 2

14TH FLOOR

2500A BUS 14/16
480 V
Isc 3P 43679A
PPE Category 1

CBL-0058
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012577
480 V
Isc 3P 43638A
PPE Category 2

DISC FU 012577
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP14A
1 Set of #2 Copper
Magnetic Conduit
Length 21 ft
Ampacity 130A

LP14A 010135
480 V
Isc 3P 27298A
PPE Category 0

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REV. No	ISSUE	DATE
	RECORD DWG	03-24-09

GEMI
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Build
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WALBRIDGE, OHIO 43465
419-666-6534

ONE GOVERNMENT CENTER
640 JACKSON BLVD.
TOLEDO, OHIO 43604

PARTIAL ARC-FLASH - ONE LINE DIAGRAM

JDRM ENGINEERING, INC.
MECHANICAL • ELECTRICAL • TELECOMMUNICATIONS
5604 N. Main St., Suite 200
Sylvania, Ohio 43560
Ph. (419) 824-2400
Fax (419) 824-2409

JOB NO.: GE0602
DR. BY: RDN
CK. BY: AWM
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E6 OF 1

FROM 2500A BUS 14/16
SHT E-6

2500A BUS 17/20
480 V
Isc 3P 42225A
PPE Category 2

17TH FLOOR

CBL-0066
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012590
480 V
Isc 3P 42187A
PPE Category 2

DISC FU 012590
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-17A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 55A

XFM 012591
30.0 kVA
480V - 208V
Z 4.27%

XFM 012591B.
208 V
Isc 3P 1889A
PPE Category 2

CBL- RP-17A-B
1 Set of #2 Copper
Magnetic Conduit
Length 8 ft
Ampacity 130A

RP-17A 010146
208 V
Isc 3P 1842A
PPE Category 2

MB-010146
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- RP4B-032
1 Set of #2 Copper
Magnetic Conduit
Length 1 ft
Ampacity 130A

CB-010146
GE TEB
10.0kAIC
100.0A Rating
Fixed

CBL- PNL 4905
1 Set of #4 Copper
Non-Magnetic Conduit
Length 5 ft
Ampacity 85A

PNL 4905
208 V
Isc 3P 1794A
PPE Category 2

17TH FLOOR

CBL-0067
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012589
480 V
Isc 3P 42187A
PPE Category 2

DISC FU 012589
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-17A
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-17A 010147
480 V
Isc 3P 26774A
PPE Category 0

18TH FLOOR

CBL-0068
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012595
480 V
Isc 3P 42187A
PPE Category 2

DISC FU 012595
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-18A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 55A

XFM 012596
30.0 kVA
480V - 208V
Z 4.27%

XFR 012596-B
208 V
Isc 3P 1889A
PPE Category 2

CBL- RP-18A-B
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 130A

RP-18A 010150
208 V
Isc 3P 1830A
PPE Category 2

18TH FLOOR

CBL-0069
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012594
480 V
Isc 3P 42187A
PPE Category 2

DISC FU 012594
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-18A
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-18A 010151
480 V
Isc 3P 26774A
PPE Category 0

19TH FLOOR

CBL-0070
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012599
480 V
Isc 3P 42187A
PPE Category 2

DISC FU 012599
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-19A
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-19A 010157
480 V
Isc 3P 26774A
PPE Category 0

19TH FLOOR

CBL-0071
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012600
480 V
Isc 3P 42187A
PPE Category 2

DISC FU 012600
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-19A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 55A

XFM 012601
30.0 kVA
480V - 208V
Z 4.27%

XFR 012601-B
208 V
Isc 3P 1889A
PPE Category 2

CBL- RP-19A-B
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 115A

RP-19A 010156
208 V
Isc 3P 1830A
PPE Category 2

20TH FLOOR

CBL-0072
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012606
480 V
Isc 3P 42187A
PPE Category 2

DISC FU 012606
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-20A
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-20A 010161
480 V
Isc 3P 26774A
PPE Category 0

20TH FLOOR

CBL-0073
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012607
480 V
Isc 3P 42187A
PPE Category 2

DISC FU 012607
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-20A-A
1 Set of #8 Copper
Magnetic Conduit
Length 6 ft
Ampacity 55A

XFM 012608
30.0 kVA
480V - 208V
Z 4.27%

XFR 012608-B
208 V
Isc 3P 1889A
PPE Category 2

CBL- RP-20A-B
1 Set of #2 Copper
Magnetic Conduit
Length 8 ft
Ampacity 130A

RP-20A 010160
208 V
Isc 3P 1842A
PPE Category 2

CBL-CCR6
1 Set of #2500 Copper
Busway Sandwich
Length 20 ft
Ampacity 2500A

22ND FLOOR TP PH

CBL-0079
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012618
480 V
Isc 3P 41495A
PPE Category 2

BUS FU 012618
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-PA-1
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-PA/CB
GE TED
14.0kAIC
100.0A Rating
Fixed

LP-PA
480 V
Isc 3P 26481A
PPE Category 0

CBL- LP-PA-2
1 Set of #8 Copper
Magnetic Conduit
Length 12 ft
Ampacity 55A

XFM T3
30.0 kVA
480V - 208V
Z 4.27%

XFR T3A
208 V
Isc 3P 1842A
PPE Category 2

CBL- RP-PA
1 Set of #2 Copper
Magnetic Conduit
Length 10 ft
Ampacity 130A

RP-PA
208 V
Isc 3P 1786A
PPE Category 2

22ND FLOOR

CBL-0078
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012619
480 V
Isc 3P 41495A
PPE Category 2

BUS FU 012619
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-22A-A
1 Set of #8 Copper
Magnetic Conduit
Length 7 ft
Ampacity 55A

XFM 012620
30.0 kVA
480V - 208V
Z 4.27%

XFR012620-B
208 V
Isc 3P 1885A
PPE Category 2

CBL- RP-22A-B
1 Set of #2 Copper
Magnetic Conduit
Length 11 ft
Ampacity 130A

RP-22A 010174
208 V
Isc 3P 1820A
PPE Category 2

22ND FLOOR

CBL-0077
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUSPLUG-012617
480 V
Isc 3P 41495A
PPE Category 2

BUS FU 012617
GOULD SHAWMUT TRS
200.0kAIC
100.0A Rating

CBL- LP-22A
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-22A 010175
480 V
Isc 3P 26481A
PPE Category 0

21TH FLOOR

CBL-0075
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUS-0370
480 V
Isc 3P 41495A
PPE Category 2

DISC FU 012611
GOULD SHAWMUT ATS-DE
200.0kAIC
60.0A Rating

CBL- RP-21A-A
1 Set of #8 Copper
Magnetic Conduit
Length 12 ft
Ampacity 55A

XFM 012613
30.0 kVA
480V - 208V
Z 4.27%

XFR 012613-B
208 V
Isc 3P 1864A
PPE Category 2

CBL- RP-21A-B
1 Set of #2 Copper
Magnetic Conduit
Length 12 ft
Ampacity 130A

RP-21A 010164
208 V
Isc 3P 1795A
PPE Category 2

21TH FLOOR

2500A BUS 21/PH
480 V
Isc 3P 41532A
PPE Category 2

CBL-0074
1 Set of #2500 Copper
Busway Sandwich
Length 1 ft
Ampacity 2500A

BUS-0371
480 V
Isc 3P 41495A
PPE Category 2

DISC FU 012610
GOULD SHAWMUT ATS-DE
200.0kAIC
100.0A Rating

CBL- LP-21A
1 Set of #2 Copper
Magnetic Conduit
Length 20 ft
Ampacity 130A

LP-21A 010165
480 V
Isc 3P 26481A
PPE Category 0

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REV No	ISSUE	DATE
	RECORD DWG	03-24-09

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WALBRIDGE, OHIO 43465
419-666-6634

ONE GOVERNMENT CENTER
640 JACKSON BLVD.
TOLEDO, OHIO 43604

PARTIAL ARC-FLASH - ONE LINE DIAGRAM

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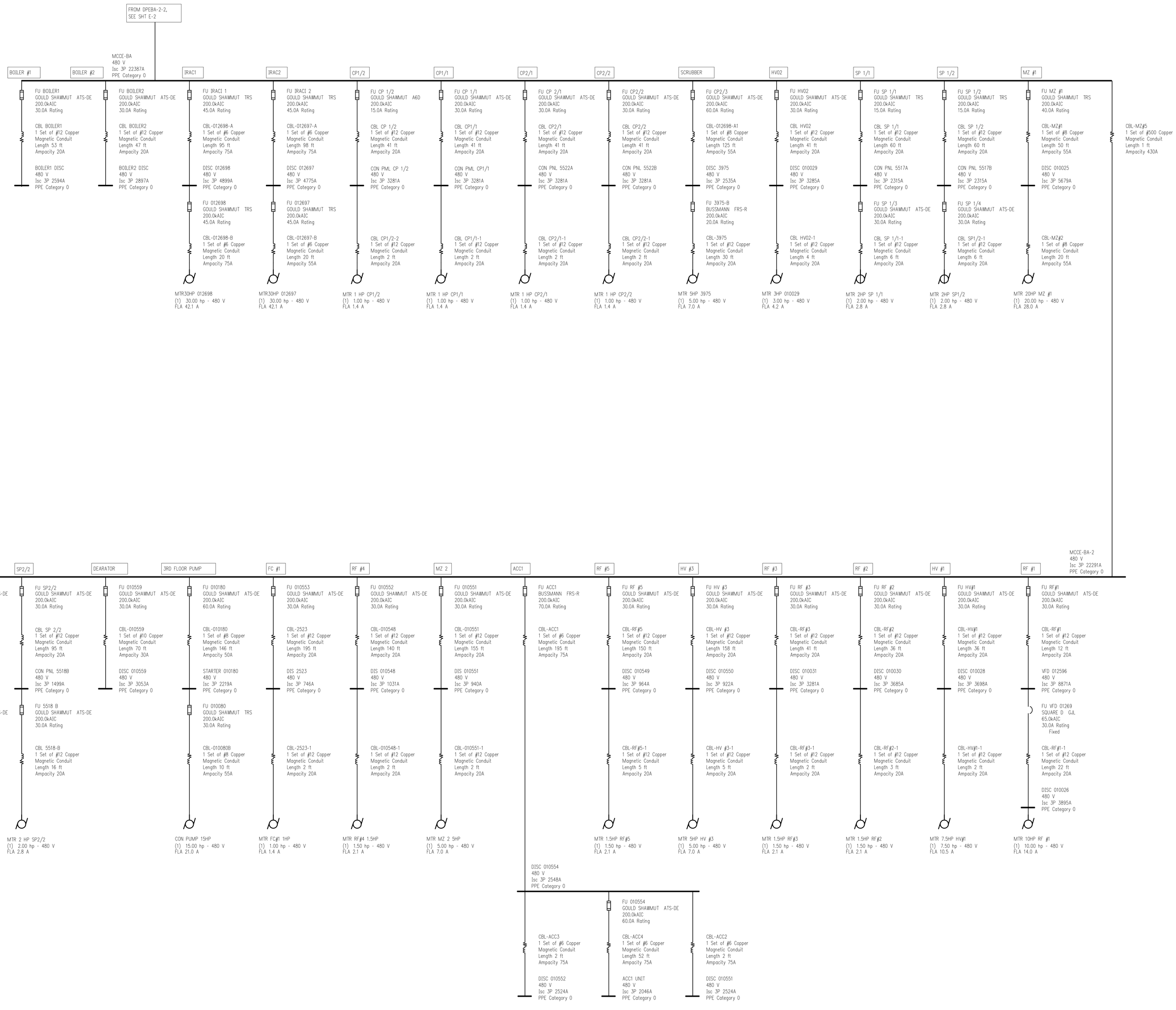
Fax (419) 824-2409

JOB NO.: GE0602
DR. BY: RDN
CK. BY: AWM
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E7 OF 1



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DATE	ISSUE	REV No
03-24-09	RECORD DWG	

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419-666-6634

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TOLEDO, OHIO 43604

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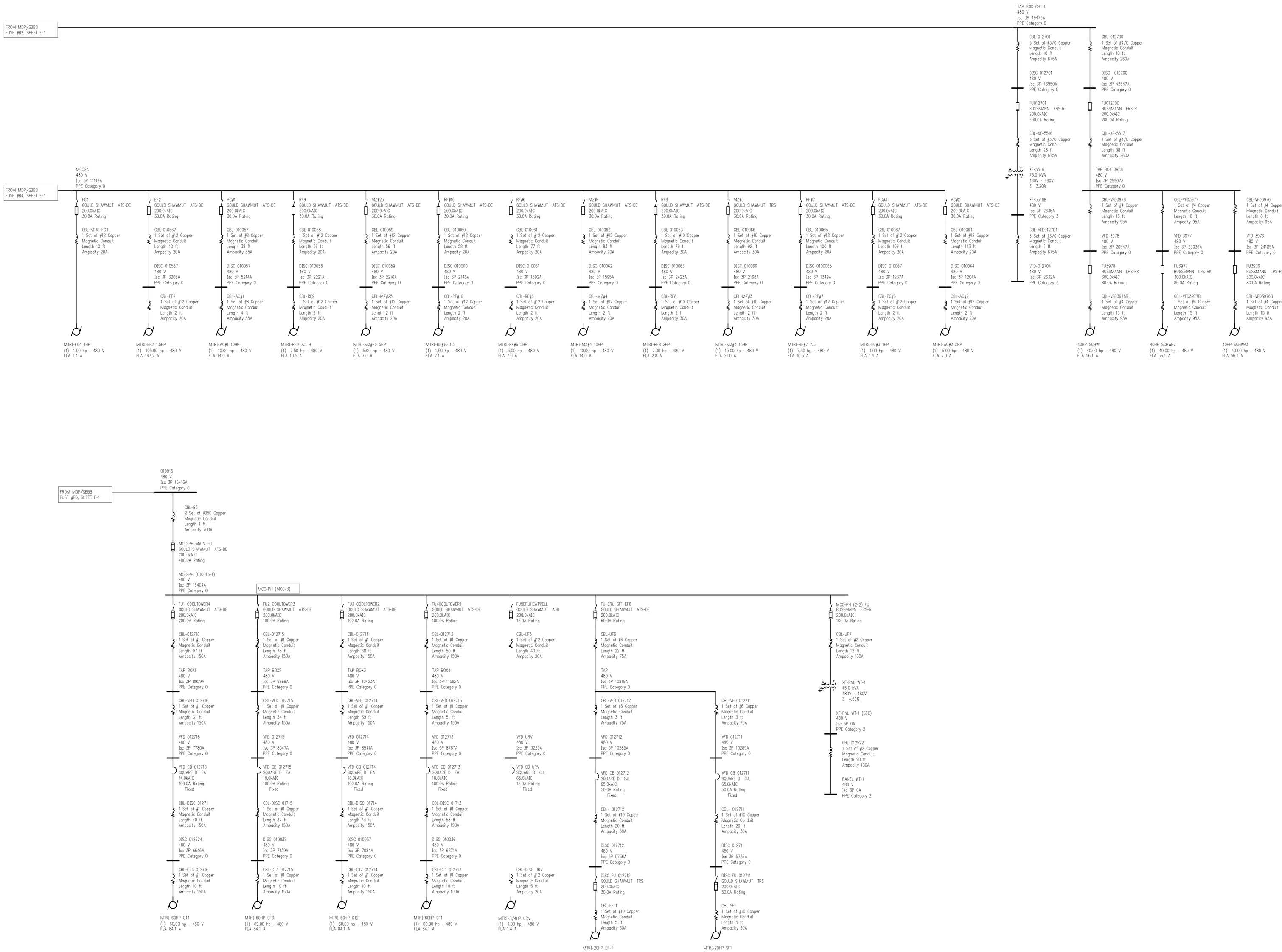
JOB NO.: GE0602
DR. BY: RDN
CK. BY: AWM
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E8 OF - -



REV No	ISSUE	DATE
	UPDATE #2 RECORD DWG	12-10-10
	RECORD DWG	03-24-09

GEM INC
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Maintain
6842 COMMODORE DR.
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419-666-6534

ONE GOVERNMENT CENTER
640 JACKSON BLVD.
TOLEDO, OHIO 43604

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PARTIAL ARC-FLASH - ONE LINE DIAGRAM

JOB NO.: GE0602
DR. BY: RDN
CK. BY: AWM
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E9 OF - -

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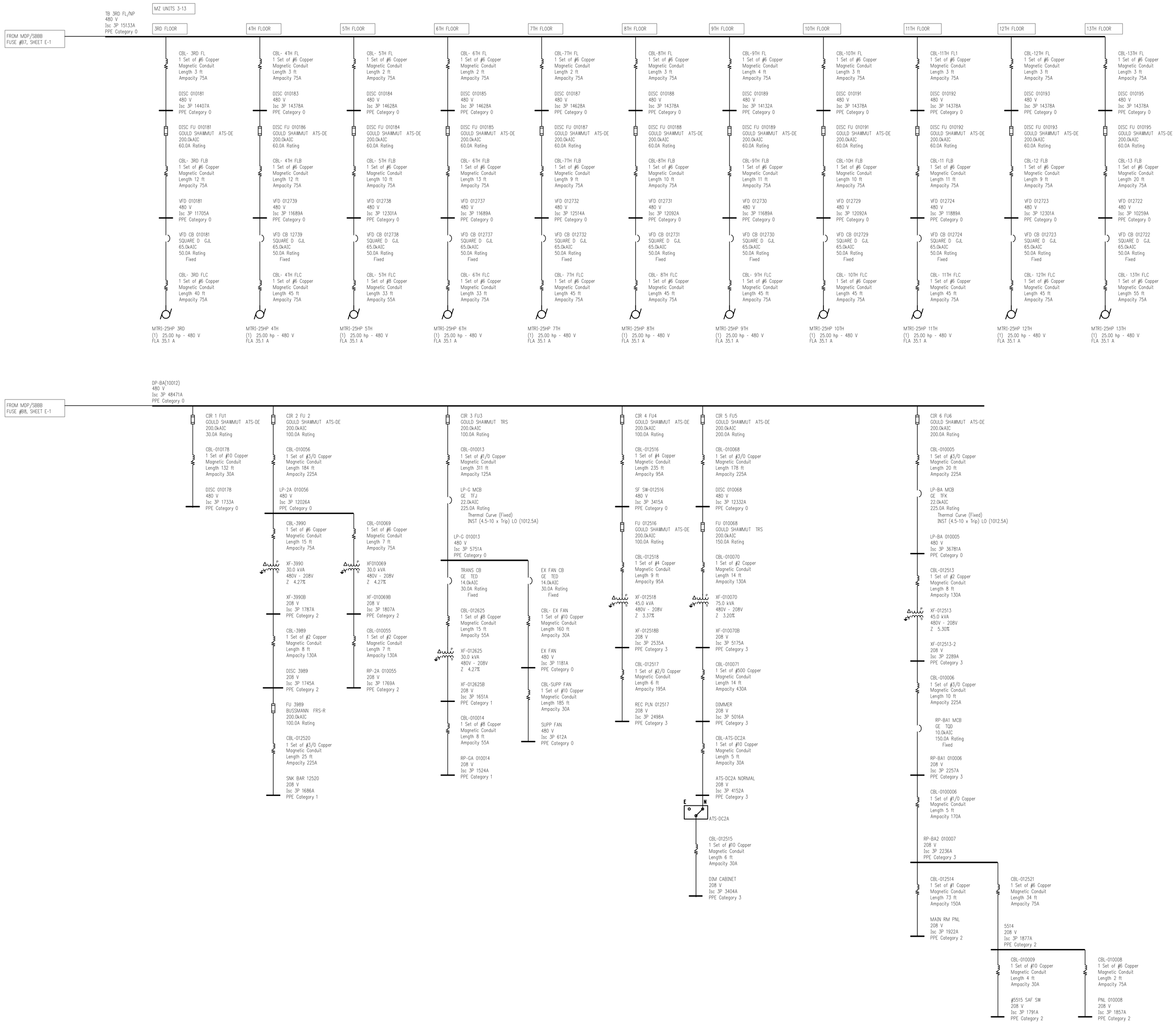

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REV. No	ISSUE	DATE
	RECORD DWG	03-24-09

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419-666-6634

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640 JACKSON BLVD.
TOLEDO, OHIO 43604

PARTIAL ARC-FLASH - ONE LINE DIAGRAM

JDRM ENGINEERING, INC.
MECHANICAL ♦ ELECTRICAL ♦ TELECOMMUNICATIONS
5604 N. Main St., Suite 200
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Ph. (419) 824-2400
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JOB NO.: GE0602
DR. BY: RDN
CK. BY: AWM
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E10 OF 1 1

FROM MDP/SBBB
FUSE #810, SHEET E-1

TB 3RDRP
480 V
Isc 3P 12219A
PPE Category 0

3RD FLOOR	4TH FLOOR	5TH FLOOR	6TH FLOOR	7TH FLOOR	8TH FLOOR	9TH FLOOR	10TH FLOOR	11TH FLOOR	12TH FLOOR
CBL- RP3B-A 1 Set of #6 Copper Magnetic Conduit Length 2 ft Ampacity 75A	CBL- RP4B-A 1 Set of #6 Copper Magnetic Conduit Length 2 ft Ampacity 75A	CBL- RP5B-A 1 Set of #6 Copper Magnetic Conduit Length 2 ft Ampacity 75A	CBL- RP6B-A 1 Set of #6 Copper Magnetic Conduit Length 4 ft Ampacity 75A	CBL- RP7B-A 1 Set of #6 Copper Magnetic Conduit Length 2 ft Ampacity 75A	CBL- RP8B-A 1 Set of #6 Copper Magnetic Conduit Length 2 ft Ampacity 75A	CBL- RP9B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 55A	CBL- RP10B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 55A	CBL- RP11B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 55A	CBL- RP12B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 55A
DISC 010075 480 V Isc 3P 11861A PPE Category 0	DISC 010081 480 V Isc 3P 11861A PPE Category 0	DISC 010087 480 V Isc 3P 11861A PPE Category 0	DISC 010092 480 V Isc 3P 11511A PPE Category 0	DISC 010095 480 V Isc 3P 11861A PPE Category 0	DISC 010561 480 V Isc 3P 11861A PPE Category 0	DISC 010108 480 V Isc 3P 11416A PPE Category 0	DISC 010113 480 V Isc 3P 11416A PPE Category 0	DISC 010118 480 V Isc 3P 11416A PPE Category 0	DISC 010124 480 V Isc 3P 11416A PPE Category 0
DISC FU 010075 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010081 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010087 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010092 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010095 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010561 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010108 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010113 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010118 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010124 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating
CBL- RP3B-B 1 Set of #8 Copper Magnetic Conduit Length 9 ft Ampacity 55A	CBL- RP4B-B 1 Set of #8 Copper Magnetic Conduit Length 10 ft Ampacity 55A	CBL- RP5B-B 1 Set of #8 Copper Magnetic Conduit Length 10 ft Ampacity 55A	CBL- RP6B-B 1 Set of #8 Copper Magnetic Conduit Length 10 ft Ampacity 75A	CBL- RP7B-B 1 Set of #6 Copper Magnetic Conduit Length 8 ft Ampacity 75A	CBL- RP8B-B 1 Set of #6 Copper Magnetic Conduit Length 10 ft Ampacity 75A	CBL- RP9B-B 1 Set of #8 Copper Magnetic Conduit Length 10 ft Ampacity 55A	CBL- RP10B-B 1 Set of #8 Copper Magnetic Conduit Length 9 ft Ampacity 55A	CBL- RP11B-B 1 Set of #8 Copper Magnetic Conduit Length 9 ft Ampacity 55A	CBL- RP12B-B 1 Set of #8 Copper Magnetic Conduit Length 9 ft Ampacity 55A
XF-012527 30.0 kVA 480V - 208V Z 4.27%	XF-012528 RP4B 30.0 kVA 480V - 208V Z 4.27%	XF-012533 RP5B 30.0 kVA 480V - 208V Z 4.27%	XF-012537 RP6B 30.0 kVA 480V - 208V Z 4.27%	XF-012541 RP7B 30.0 kVA 480V - 208V Z 4.27%	XF-012545 RP8B 30.0 kVA 480V - 208V Z 4.27%	XF-012550 RP9B 30.0 kVA 480V - 208V Z 4.27%	XF-012554 RP10 30.0 kVA 480V - 208V Z 4.27%	XF-012559 RP11 30.0 kVA 480V - 208V Z 4.27%	XF-012563 RP12 30.0 kVA 480V - 208V Z 4.27%
XF-012527B 208 V Isc 3P 1798A PPE Category 2	XF-012528A1 208 V Isc 3P 1795A PPE Category 2	XF-012533B 208 V Isc 3P 1795A PPE Category 2	XF-012537B 208 V Isc 3P 1803A PPE Category 2	XF012541B 208 V Isc 3P 1813A PPE Category 2	XF012545B 208 V Isc 3P 1811A PPE Category 2	XF012550B 208 V Isc 3P 1788A PPE Category 2	XF012554B 208 V Isc 3P 1796A PPE Category 2	XF012559B 208 V Isc 3P 1792A PPE Category 2	XF012563 208 V Isc 3P 1792A PPE Category 2
CBL- RP3B-C 1 Set of #2 Copper Magnetic Conduit Length 10 ft Ampacity 130A	CBL- RP4B-C 1 Set of #2 Copper Magnetic Conduit Length 10 ft Ampacity 130A	CBL- RP5B-C 1 Set of #2 Copper Magnetic Conduit Length 11 ft Ampacity 130A	CBL- RP6B-C 1 Set of #2 Copper Magnetic Conduit Length 8 ft Ampacity 130A	CBL- RP7B-C 1 Set of #2 Copper Magnetic Conduit Length 8 ft Ampacity 130A	CBL- RP8B-C 1 Set of #2 Copper Magnetic Conduit Length 10 ft Ampacity 130A	CBL- RP9B-C 1 Set of #2 Copper Magnetic Conduit Length 10 ft Ampacity 130A	CBL- RP10B-C 1 Set of #2 Copper Magnetic Conduit Length 8 ft Ampacity 130A	CBL- RP11B-C 1 Set of #2 Copper Magnetic Conduit Length 11 ft Ampacity 130A	CBL- RP12B-C 1 Set of #2 Copper Magnetic Conduit Length 7 ft Ampacity 130A
PN-010074 RP3B 208 V Isc 3P 1745A PPE Category 2	PN-010080 RP4B 208 V Isc 3P 1741A PPE Category 2	PN-010085 RP5B 208 V Isc 3P 1736A PPE Category 2	PN-010090 RP6B 208 V Isc 3P 1760A PPE Category 2	PN-010096 RP7B 208 V Isc 3P 1769A PPE Category 2	PN-010562 RP8B 208 V Isc 3P 1756A PPE Category 2	PN-010106 RP9B 208 V Isc 3P 1735A PPE Category 2	PN010111 RP10B 208 V Isc 3P 1753A PPE Category 2	P-010116 RP11B 208 V Isc 3P 1734A PPE Category 2	P-010122 RP12B 208 V Isc 3P 1755A PPE Category 2
	MB-010080 GE TEB 10.0kAIC 100.0A Rating Fixed	MCB-010085 GE TEB 10.0kAIC 100.0A Rating Fixed	MCB-010090 GE TEB 10.0kAIC 100.0A Rating Fixed	MCB-010096 GE TEB 10.0kAIC 100.0A Rating Fixed		MCB-010106 GE TEB 10.0kAIC 100.0A Rating Fixed	MCB-010111 GE TEB 10.0kAIC 100.0A Rating Fixed	MCB-010116 GE TEB 10.0kAIC 100.0A Rating Fixed	MCB-010122 GE TEB 10.0kAIC 100.0A Rating Fixed
	CBL- RP4B-D1 1 Set of # Copper Non-Magnetic Length 1 ft Ampacity 0A	CBL- RP4B-D3 1 Set of # Copper Non-Magnetic Length 1 ft Ampacity 0A	CBL- RP4B-D5 1 Set of # Copper Non-Magnetic Length 1 ft Ampacity 0A	CBL- RP4B-D7 1 Set of # Copper Non-Magnetic Length 1 ft Ampacity 0A		CBL- RP4B-D9 1 Set of # Copper Non-Magnetic Length 1 ft Ampacity 0A	CBL- RP4B-D11 1 Set of # Copper Non-Magnetic Length 1 ft Ampacity 0A	CBL- RP4B-D12 1 Set of # Copper Non-Magnetic Length 1 ft Ampacity 0A	CBL- RP4B-D13 1 Set of # Copper Non-Magnetic Length 1 ft Ampacity 0A
	CB-010080 GE TEB 10.0kAIC 100.0A Rating Fixed	MCB-010085. GE TEB 10.0kAIC 100.0A Rating Fixed	CB-010091 GE TEB 10.0kAIC 100.0A Rating Fixed	CB-010097 GE TEB 10.0kAIC 100.0A Rating Fixed		CB-010107 GE TEB 10.0kAIC 100.0A Rating Fixed	CB-010112 GE TEB 10.0kAIC 100.0A Rating Fixed	CB-010117 GE TEB 10.0kAIC 100.0A Rating Fixed	CB-010123 GE TEB 10.0kAIC 100.0A Rating Fixed
	CBL- RP4B-D 1 Set of #2 Copper Magnetic Conduit Length 11 ft Ampacity 130A	CBL- RP6B-D0 1 Set of #2 Copper Magnetic Conduit Length 8 ft Ampacity 130A	CBL- RP6B-D 1 Set of #2 Copper Magnetic Conduit Length 8 ft Ampacity 130A	CBL- RP7B-D 1 Set of #2 Copper Magnetic Conduit Length 8 ft Ampacity 130A		CBL- 010107 1 Set of #2 Copper Magnetic Conduit Length 5 ft Ampacity 130A	CBL- 010112 1 Set of #2 Copper Magnetic Conduit Length 7 ft Ampacity 130A	CBL- RP11B-D 1 Set of #2 Copper Magnetic Conduit Length 10 ft Ampacity 130A	CBL- RP12B-D 1 Set of #2 Copper Magnetic Conduit Length 9 ft Ampacity 95A
	PN-010564 208 V Isc 3P 1686A PPE Category 2	PN-010086 208 V Isc 3P 1696A PPE Category 2	PN-010091 208 V Isc 3P 1719A PPE Category 2	PN-010097 208 V Isc 3P 1728A PPE Category 2		PN-010107 208 V Isc 3P 1710A PPE Category 2	P-010112 208 V Isc 3P 1717A PPE Category 2	P-010117 RP11C 208 V Isc 3P 1684A PPE Category 2	P010123 RP12B1 208 V Isc 3P 1708A PPE Category 2

FROM MDP/SBBB
FUSE #813, SHEET E-1

TB-13RP FL/NP
480 V
Isc 3P 12015A
PPE Category 0

13TH FLOOR	14TH FLOOR	15TH FLOOR	16TH FLOOR	17TH FLOOR	18TH FLOOR	19TH FLOOR	20TH FLOOR	21TH FLOOR	22TH FLOOR
CBL- RP13B-A 1 Set of #6 Copper Magnetic Conduit Length 3 ft Ampacity 55A	CBL- RP14B-A 1 Set of #6 Copper Magnetic Conduit Length 3 ft Ampacity 55A	CBL- RP15B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 40A	CBL- RP16B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 40A	CBL- RP17B-A 1 Set of #8 Copper Magnetic Conduit Length 4 ft Ampacity 40A	CBL- RP18B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 40A	CBL- RP19B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 40A	CBL- RP20B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 40A	CBL- RP21B-A 1 Set of #8 Copper Magnetic Conduit Length 3 ft Ampacity 40A	CBL- RP22B-A 1 Set of #6 Copper Magnetic Conduit Length 3 ft Ampacity 55A
DISC 010130 480 V Isc 3P 11498A PPE Category 0	DISC 010133 480 V Isc 3P 11498A PPE Category 0	DISC 010141 480 V Isc 3P 11238A PPE Category 0	DISC 010145 480 V Isc 3P 11238A PPE Category 0	DISC 010149 480 V Isc 3P 10988A PPE Category 0	DISC 010155 480 V Isc 3P 11238A PPE Category 0	DISC 010159 480 V Isc 3P 11238A PPE Category 0	DISC 010163 480 V Isc 3P 11238A PPE Category 0	DISC 010171 480 V Isc 3P 11238A PPE Category 0	DISC 010177 480 V Isc 3P 11498A PPE Category 0
DISC FU 010130 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010133 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010141 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010145 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010149 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010155 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010159 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010163 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010171 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating	DISC FU 010177 GOULD SHAWMUT ATS-DE 200.0kAIC 60.0A Rating
CBL- RP13B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP14B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP15B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP16B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP17B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP18B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP19B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP20B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP21B-B 1 Set of #8 Copper Magnetic Conduit Length 8 ft Ampacity 55A	CBL- RP22B-B 1 Set of #6 Copper Magnetic Conduit Length 8 ft Ampacity 75A
XF-012567 RP13 30.0 kVA 480V - 208V Z 4.27%	XF-012575 RP14 30.0 kVA 480V - 208V Z 4.27%	XF-012583 RP15 30.0 kVA 480V - 208V Z 4.27%	XF-012587 30.0 kVA 480V - 208V Z 4.27%	XF-012588 30.0 kVA 480V - 208V Z 4.27%	XF-012593 RP18 30.0 kVA 480V - 208V	XF-012597 RP19 30.0 kVA 480V - 208V Z 4.27%	XF-012605 RP20 30.0 kVA 480V - 208V	XF-012609 RP21 30.0 kVA 480V - 208V	XF-012616 RP21 30.0 kVA 480V - 208V
XF012567B 208 V Isc 3P 1798A PPE Category 2	XF012575B 208 V Isc 3P 1798A PPE Category 2	XF012583B 208 V Isc 3P 1794A PPE Category 2	XF012587 208 V Isc 3P 1794A PPE Category 2	XF012588 208 V Isc 3P 1790A PPE Category 2	XF012593B 208 V Isc 3P 21686A PPE Category 0	XF012597B 208 V Isc 3P 1794A PPE Category 2	XF012605B 208 V Isc 3P 21686A PPE Category 0	XF012609B 208 V Isc 3P 21686A PPE Category 0	XF012616B 208 V Isc 3P 23590A PPE Category 0
CBL- RP13B-C 1 Set of #2 Copper Magnetic Conduit Length 7 ft Ampacity 130A	CBL- RP14B-C 1 Set of #2 Copper Magnetic Conduit Length 9 ft Ampacity 130A	CBL- RP15B-C 1 Set of #2 Copper Magnetic Conduit Length 10 ft Ampacity 130A	CBL- RP16B-C 1 Set of #2 Copper Magnetic Conduit Length 10 ft Ampacity 130A	CBL- RP17B-C 1 Set of #2 Copper Magnetic Conduit Length 10 ft Ampacity 130A	CBL- RP18B-C 1 Set of #2 Copper Magnetic Conduit Length 11 ft Ampacity 130A	CBL- RP19B-C 1 Set of #2 Copper Magnetic Conduit Length 11 ft Ampacity 130A	CBL- RP20B-C 1 Set of #2 Copper Magnetic Conduit Length 12 ft Ampacity 130A	CBL- RP21B-C 1 Set of #2 Copper Magnetic Conduit Length 12 ft Ampacity 130A	CBL- RP22B-C 1 Set of #2 Copper Magnetic Conduit Length 5 ft Ampacity 130A
P-010129 RP13B 208 V Isc 3P 1760A PPE Category 2	P-010131 RP14B 208 V Isc 3P 1750A PPE Category 2	P-010140 RP15B 208 V Isc 3P 1741A PPE Category 2	P-010560 RP16B 208 V Isc 3P 1741A PPE Category 2	P-010148 RP17B 208 V Isc 3P 1737A PPE Category 2	P-010154 RP18B 208 V Isc 3P 15653A PPE Category 0	P-010158 RP19B 208 V Isc 3P 1736A PPE Category 2	P-010162 RP20B 208 V Isc 3P 15257A PPE Category 0	P- RP21B 208 V Isc 3P 15257A PPE Category 0	P-010176 RP22B 208 V Isc 3P 19976A PPE Category 0

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Plotted by: Andrew Mickens Plot Date: 7/30/2014 11:39 AM Save Date: 12/17/2010 10:29 AM File Name: GE0602-E11.DWG

REV. No	ISSUE	DATE
	RECORD DWG	03-24-09

GEMI
Design
Build
Maintain
6842 COMMODORE DR.
WALBRIDGE, OHIO 43465
419-666-6634

ONE GOVERNMENT CENTER
640 JACKSON BLVD.
TOLEDO, OHIO 43604

PARTIAL ARC-FLASH - ONE LINE DIAGRAM

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MECHANICAL ♦ ELECTRICAL ♦ TELECOMMUNICATIONS
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Sylvania, Ohio 43560
Ph. (419) 824-2400
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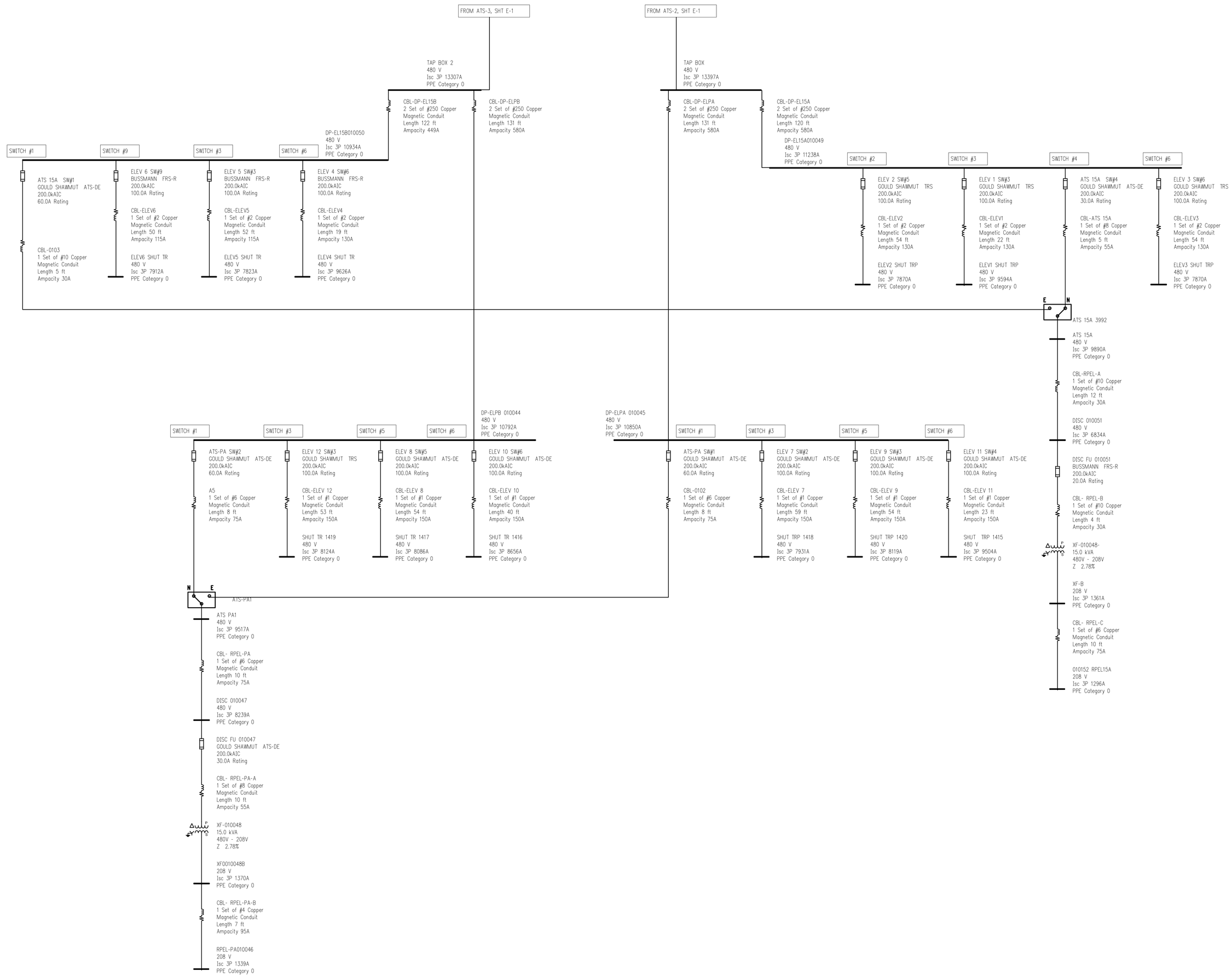
JOB NO.: GE0602
DR. BY: RDN
CK. BY: AWM
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E11 1 OF 1



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REV No	ISSUE	DATE
	RECORD DWG	03-24-09

GEM INC
Design
Build
Maintain
6842 COMMODORE DR.
WALBRIDGE, OHIO 43465
419-666-6634

ONE GOVERNMENT CENTER
640 JACKSON BLVD.
TOLEDO, OHIO 43604

PARTIAL ARC-FLASH - ONE LINE DIAGRAM

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JOB NO.: GE0602
DR. BY: RDN
CK. BY: AWM
APP. BY: DTK
SCALE: NONE
DATE: 10-08-07

SHEET E12