DANGER
NOTICE
SEL-751A
WARNING
ACCESS LIMITED TO QUALIFIED AND AUTHORIZED PERSONNEL ONLY

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NOTICE
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EATON
Transfer Switch
EMERGENCY TRANSFER SWITCH
EXIT

SECTION 1
115KV LINE 1
NO LINE 31
SECTION 2
T6/T1/T2
SECTION 3
115KV LINE 2
NO LINE 15
KEYSTONE
NATIONAL GRID
TRANSMISSION
LINE EMERGENCY #
315-460-4170
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
SEL-587Z
HIGH-IMPEDANCE DIFFERENTIAL RELAY
SEL SCHWEITZER ENGINEERING LABORATORIES
SEL-351
SEL-734
SEL-787
MFM LINE 1
MFM LINE 2
R-81
CS-6299
R-19

SECTION 2
TB/T1/T2
KEYSTONE
TB9 51RT/VC
TB10 51RT/IN
TB11 51RT/OUT
TB12 51RT/OUT
51RT
SEL-351
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
TB29 87T1/IN
TB30 87T1/OUT
TB33 87T2/IN
TB34 87T2OUT
87T1
SEL-787
TB28 87T1/C
87T2
SEL-787
TB32 87T2/C
T1
T2
CS-6299
R-81
CS-6177
CS-RT
CS-6177
86T1
86TIE
86T2
TB31 86T1
TB13 86TIE
TB35 86T2
SECTION 3
115KV LINE 2
NG LINE 15
NATIONAL GRID
TRANSMISSION
LINE EMERGENCY #
315-460-4170
TB18 87B3C
TB19 87B3IN
87B3
SEL-587B
HIGH-IMPEDANCE DIFFERENTIAL RELAY
SEL SCHWEITZER ENGINEERING LABORATORIES
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
MFM LINE 2
SEL-734
TB14 51H2/VC
TB15 51H2IN
51H2
SEL-351
R-19
TB16 51H2OUT
CS-R19
TB17 51H2OUT
89-12
89B2
TB20 89-12
TB21 89B2
SECTION 4
SCADA
GPS CLOCK
SEL-2407
ALARM ANNUNCIATOR
SEL-2523
TB22 DFACIN
TB23 DFACIN
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
DFAC
TB24 DFACIN
TB25 DFACOUT
TB26 RTACIN
TB27 RTACOUT
RTAC
EXIT
WEAR HARD
N HIGH YARD

TS5 87B1/C
TS6 87B1/IO
87B1
SEL-587Z
HIGH-IMPEDANCE DIFFERENTIAL RELAY
SEL SCHWEITZER ENGINEERING LABORATORIES
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
36 in.
Flash Hazard Boundary
125 VDC
Shock Hazard-Cover Removed
00 Glove Class
Category 1
FR shirt & pants
42" Limited Approach
12" Restricted Approach
Equip ID: RELAY PANEL 1
MFM LINE 1
SEL-734
ADVANCED METERING SYSTEM
753.0266
TS1 51H1/VC
TS2 51H1/IN
51H1
SEL-351
PROTECTION SYSTEM
TS3 51H1/OUT
CS-R31
TS4 51H1/OUT
86H1
86B1
TS7 86H1
TS8 86B1
TS29 87T1/IN
87T1
T1
CS-6177
86T1
TS31 86T1

TS9 51RT/VC
TS10 51RT/IN
TS11 51RT/OUT
TS12 51RT/OUT
51RT
SEL-351
PROTECTION SYSTEM
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
36 in.
Flash Hazard Boundary
125 VDC
Shock Hazard-Cover Removed
00 Glove Class
Category 1
FR shirt & pants
42" Limited Approach
12" Restricted Approach
Equip ID: RELAY PANEL 2
TS29 87T1/IN
TS30 87T1/OUT
TS33 87T2/IN
TS34 87T2/OUT
87T1
TS28 87T1/C
87T2
SEL-787
TRANSFORMER PROTECTION RELAY
TS32 87T2/C
T1
T2
R-81
CS-6299
CS-6177
CS-RT
CS-6277
86T1
86TIE
86T2
TS31 86T1
TS13 86TIE
TS35 86T2

KEYSTONE
ELECTRICAL MANUFACTURING CO.
NATIONAL GRID
TRANSMISSION
LINE EMERGENCY #
315-460-4170
Watervliet Arsenal Contact Numbers
Emergency Numbers
Police (518)266-5444
Fire/Ambulance (518)266-5222
HAZMAT Spill (518)266-5222
Environmental (518)266-4269
Sharp Hotline (518)266-3699
Safety Hotline (518)266-4537
Public Works (518)266-5667
If You See Something, Say Something
SECTION 3
115KV LINE 2
NG LINE 15
TS18 87B2/C
TS19 87B2/IO
87B2
SEL-587Z
HIGH-IMPEDANCE DIFFERENTIAL RELAY
SEL SCHWEITZER ENGINEERING LABORATORIES
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
125 VDC
Shock Hazard-Cover Removed
00 Glove Class
42" Limited Approach
12" Restricted Approach
Equip ID: RELAY PANEL 2
36 in.
Flash Hazard Boundary
Category 1
FR shirt & pants
Equip ID: RELAY PANEL 3
MFM LINE 2
SEL-734
ADVANCED METERING SYSTEM
460.2288
3151000113
TS14 51H2/VC
TS15 51H2/IN
51H2
SEL-351
PROTECTION SYSTEM
R-19
TS16 51H2/OUT
CS-R15
TS17 51H2/OUT
86H2
86B2
TS20 86H2
TS21 86B2

GPS CLOCK

SEL SCHWEITZER ENGINEERING LABORATORIES
SEL-2407
SATELLITE SYNCHRONIZED CLOCK
ENABLED
SATELLITE LOCK
HOLDOVER
127:13:52:10

ALARM ANNUNCIATOR

SEL SCHWEITZER ENGINEERING LABORATORIES
SEL-2523 ANNUNCIATOR

	1	2	3	4	5	6
A	R31 DC ALARMS	R31 2505 ALARM	R15 DC ALARMS	R15 2505 ALARM	RT DC ALARMS	RT 2505 ALARM
B	6177 DC ALARMS	6277 DC ALARMS	51H1 ALARM	51H1 DC ALARM	51H2 ALARM	51H2 DC ALARM
C	51RT ALARM	51RT DC ALARM	87B1 ALARM	87B1 DC ALARM	86B1 TCM ALARM	87B2 ALARM
D	87B2 DC ALARM	86B2 TCM ALARM	87T1 ALARM	87T1 DC ALARM	87T2 ALARM	87T2 DC ALARM
E	T1 COMMON ALARM	T1 LTC COMMON ALARM	T1 AC & DC ALARMS	T2 COMMON ALARM	T2 LTC COMMON ALARM	T2 AC & DC ALARMS
F	DPAC ALARM	RTAC ALARM	2730M ETH. SW. ALARM	SEC GATEWAY ALARM	CLOCK ALARM	CONTROL HOUSE AC

SIL ACK RESET TEST ENABLED

TS22 DPAC/IN

TS23 DPAC/IN

SEL SCHWEITZER ENGINEERING LABORATORIES
DPAC
SEL-2440
DISCRETE PROGRAMMABLE AUTOMATION CONTROLLER

TS24 DPAC/IN

TS25 DPAC/OUT

TS26 RTAC/IN

TS27 RTAC/OUT

SEL SCHWEITZER ENGINEERING LABORATORIES
RTAC
SEL-3530
REAL-TIME AUTOMATION CONTROLLER

SEL-2730M MANAGED ETHERNET SWITCH

UNIT #5
INCOMING PT'S - FUSE & CPT
67BL1
SEL-587Z
HIGH-IMPEDANCE DIFFERENTIAL RELAY
SEL SCHWEITZER ENGINEERING LABORATORIES
TS40 CURRENT
TS41 IN/OUT
86BL1
TS42 86BL1
TS43 86BL1
UNIT #6
MAIN R51
TS47 51L1 OUT
TS45 51L1V
TS48 86L1
TS44 51L1I
TS46 51L1 IN
MFM R51
51L1
MFM F6
SEL-751A
R51 CHARGE
52CS-R51
86L1
52CS-F6
188
189
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
FEEDER
51 F6
F6 CHARGE
UNIT #7 FEEDER
RADIAL 5
TS49 I & V
TS50 OUTPUTS
TS51 INPUTS
51F7
MFM F7
TS52 86F7
CB CHARGE
52CS-F7
86F7
179

UNIT #8 FEEDER
LOOP 3 SOUTH
TS53 I & V
TS54 OUTPUTS
TS55 INPUTS
51F8
MFM F8
TS56 86F8
SEL-751A
6018426.00
5814550.50
8127475.50
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
CB CHARGE
185
52CS-F8
86F8
UNIT #9 FEEDER
LOOP 2 SOUTH
TS57 I & V
TS58 OUTPUTS
TS59 INPUTS
51F9
MFM F9
TS60 86F9
2832659.50
5035604.00
3173893.00
WARNING
CB CHARGE
183
52CS-F9
86F9
UNIT #10 FEEDER
LOOP 1 SOUTH
TS61 I & V
TS62 OUTPUTS
TS63 INPUTS
51F10
MFM F10
TS64 86F10
WARNING
CB CHARGE
181
52CS-F10
86F10

TS61 I & V
TS62 OUTPUTS
TS63 INPUTS
51F10
MFM F10
SEL-751A
FEEDER PROTECTION RELAY
5657929.50
1412172.63
7963124.50
TS64 86F10
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
CB CHARGE
52CS-F10
86F10
181
UNIT #11
AUXILARY & SCADA
UNIT #12
BUS TIE BREAKER
BUSS TIE

UNIT #12
BUS TIE BREAKER
BUS#1 VM
AC KILOVOLTS
.00
.25
.00
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
BUS#2 VM
AC KILOVOLTS
6.46
.31
6.71
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
BUSS TIE
52CS-R85
UNIT #13 FEEDER
LOOP 1 NORTH
KEYSTONE
TS68 I & V
TS69 OUTPUTS
TS70 INPUTS
52CS-F13
MFM F13
TS71 IMF13
SEL-751A
WARNING
CB CHARGE
180
51F13
IMF13
UNIT #14
LOOP 4 / BLDG 148
TS72 I & V
TS73 OUTPUTS
TS74 INPUTS
51F14
MFM F14
TS75 IMF14
WARNING
CB CHARGE
186
52CS-F14
IMF14

UNIT #14
LOOP 4 / BLDG 145
KEYSTONE
TS72 I & V
TS73 OUTPUTS
TS74 INPUTS
51F14
MFM F14
TS75 86F14
SEL-751A
WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required
CB CHARGE
186
52CS-F14
86F14
UNIT #15 FEEDER
LOOP 2 NORTH
TS76 I & V
TS77 OUTPUTS
TS78 INPUTS
51F15
MFM F15
TS79 86F15
SEL-751A
8061982.50
4547000.50
5471848.50
WARNING
CB CHARGE
182
52CS-F15
86F15
UNIT #16 FEEDER
LOOP 3 NORTH
TS80 I & V
TS81 OUTPUTS
TS82 INPUTS
51F16
MFM F16
TS83 86F16
SEL-751A
WARNING
CB CHARGE
184
52CS-F16
86F16
187

UNIT #16 FEEDER
LOOP 3 NORTH
TS80 I & V
TS81 OUTPUTS
TS82 INPUTS
51F16
MFM F16
TS83 86F16
WARNING
CB CHARGE
52CS-F16
86F16
184
UNIT #17
MAIN RS2
TS87 51L2 OUT
TS85 51L2 V
TS88 86L2
TS84 51L2 I
TS86 51L2 IN
MFM RS2
51L2
MFM F17
6400393.00
9388354.00
9378306.00
0.00
0.00
0.00
WARNING
RS2 CHARGE
52CS-RS2
187
86L2
52CS-F17
190
FEEDER
51 F17
F17 CHARGE
UNIT #18
INCOMING PT'S - FUSE & CPT
87BL2
TS89 CURRENT
TS90 IN/OUT
86BL3
TS91 86BL1
TS92 86BL1