

From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts. From exterior - unlocked condition: Door to remain locked unless electric exit device held retracted by access control system. From interior - locked condition: Free egress at all times by means of exit device.

From interior - unlocked condition: Free egress at all times by means of exit device.

Title:	SGL MLR Ex	it Device S	SP2000.	vsd	Project: Example			
	HWSET: Example					Door: EXT-1		
Date:	5/30/2018	Date P	rinted:	5/30/2018	Last Revise	d: 5/30/2018	4:28:45 PM	
Drawn By	rawn By: Cody Richardson For:				ects Group	SO: n/a	Pg: 1 OF 1	



NOTES:

1) Verify that each component requiring or supplying power has been configured for proper system voltage before applying power.

2) All wires to be 18 awg 100' max unless otherwise noted on drawing. Refer to manufacturers instructions for proper wire gauge on any power supply, electric device or electrified lock hardware. Manufacturers requirements take precedence.

3) All line voltage power to be I/A/W local electrical code.

4) All low voltage wires to be stranded copper unless superseded by local electrical code or electric device manufacturer.

5) It is considered good electrical practice to run spare wires at any location that may be difficult to access after construction.

Electrical Circuit Legend Black = (-) VDC Power Green = Signaling Blue = Activation Violet = Monitoring/Supervisory Brown = AC High Voltage

Function Statement:



From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts. Receptionist push button to unlock door for visitor entry. From exterior - unlocked condition: Door to remain locked unless electric exit device held retracted by access control system or receptionist desk push button control. From interior - locked condition: Free egress at all times by means of exit device.

From interior - unlocked condition: Free egress at all times by means of exit device.

Title:	GL MLR-SP	2000-pus	hbutton.	vsd	Project: Example			
	HWSET: Example					Door: EXT-1		
Date:	5/30/2018	Date P	rinted:	5/30/2018	Last Revise	d: 5/30/2018	5:04:42 PM	
Drawn By	Drawn By: Cody Richardson For:				ects Group	SO: n/a	Pg: 1 OF 1	



From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts. Receptionist push button to unlock door for visitor entry. From exterior - unlocked condition: Door to remain locked unless electric exit device held retracted by access control system, receptionist desk push button control or maintained key-switch control. From interior - locked condition: Free egress at all times by means of exit device.

From interior - unlocked condition: Free egress at all times by means of exit device.

Title: S	GL MLR-SP	2000-PB-I	SWCH	.vsd	Project: Example			
HWSET: Example					Doo	r: EXT-1		
Date:	5/30/2018	Date P	rinted:	5/30/2018	Last Revise	d: 5/30/2018	5:12:52 PM	
Drawn By	Drawn By: Cody Richardson For:				ects Group	SO: n/a	Pg: 1 OF 1	



NOTES:

1) Verify that each component requiring or supplying power has been configured for proper system voltage before applying power.

2) All wires to be 18 awg 100' max unless otherwise noted on drawing. Refer to manufacturers instructions for proper wire gauge on any power supply, electric device or electrified lock hardware. Manufacturers requirements take precedence.

3) All line voltage power to be I/A/W local electrical code.

4) All low voltage wires to be stranded copper unless superseded by local electrical code or electric device manufacturer.

5) It is considered good electrical practice to run spare wires at any location that may be difficult to access after construction.





Function Statement:

From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts and enable exterior handicap actuator use. From exterior - unlocked condition: Door to remain locked unless electric exit device held retracted by access control system. When unlocked, exterior handicap actuator to be available. From interior - locked condition: Free egress at all times by means of exit device or by pressing interior handicap actuator to retract electric exit device latchbolts and initiate automatic operator. From interior - unlocked condition: Free egress at all times by means of exit device or by pressing interior handicap actuator to retract electric exit device latchbolts and initiate automatic operator. General: Fail-secure electric latch retraction exit device to remain locked during utility power-loss event.

Title: S	itle: SGL MLRexit_Operator SP2000.vsd					Project: Example		
HWSET: Example					Doo	r: EXT-1		
Date:	5/31/2018	Date P	rinted:	5/31/2018	Last Revise	d: 5/31/2018	11:07:39 AM	
Drawn By	Cody Ric	hardson	For:	Special Proj	ects Group	SO: n/a	Pg: 1 OF 1	



From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts.

From exterior - unlocked condition: Doors to remain locked unless electric exit device held retracted by access control system.

From interior - locked condition: Free egress at all times by means of exit device.

From interior - unlocked condition: Free egress at all times by means of exit device.

Title:	e: 2 Singles MLR Exits SP2000.vsd					Project: Example		
	HWSET: EX	ample		Door: EXT-1				
Date:	5/31/2018	Date P	rinted:	5/31/2018	Last Revise	3:48:50 PM		
Drawn By	Drawn By: Cody Richardson For:				ects Group	SO: n/a	Pg: 1 OF 1	



From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts and enable exterior handicap actuator use. From exterior - unlocked condition: Doors to remain locked unless electric exit device held retracted by access control system. When unlocked, exterior handicap actuators available for use. From interior - locked condition: Free egress at all times by means of exit device or by pressing interior handicap actuator to retract electric exit device latchbolts and initiate automatic operator activation. From interior - unlocked condition: Free egress at all times by means of exit device or by pressing interior handicap actuator to retract electric exit device latchbolts and initiate automatic operator activation. General: Fail-secure electric latch retraction exit devices to remain locked during utility power-loss event.

Title: 2 Sir	ngles MLR_	SP2000_	Operato	d Project: Example					
I	HWSET: Ex	ample			Door: EXT-1				
Date:	5/31/2018	Date P	rinted:	5/31/2018	Last Revise	d: 5/31/2018	4:39:29 PM		
Drawn By:	Cody Ric	hardson	For:	Special Proj	ects Group	SO: n/a	Pg: 1 OF 1		



From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts. From exterior - unlocked condition: Doors to remain locked unless electric exit device held retracted by access control system. From interior - locked condition: Free egress at all times by means of exit device.

From interior - unlocked condition: Free egress at all times by means of exit device.

Title: Pair MLR Exit Device SP2000.vsd					Project: Example		
HWSET: Example					Door: EXT-1		
Date:	5/30/2018	Date P	rinted:	5/30/2018	Last Revise	ed: 5/30/2018	5:31:01 PM
Drawn E	Drawn By: Cody Richardson For:				ects Group	SO: n/a	Pg: 1 OF 1



NOTES:

1) Verify that each component requiring or supplying power has been configured for proper system voltage before applying power.

2) All wires to be 18 awg 100' max unless otherwise noted on drawing. Refer to manufacturers instructions for proper wire gauge on any power supply, electric device or electrified lock hardware. Manufacturers requirements take precedence.

3) All line voltage power to be I/A/W local electrical code.

4) All low voltage wires to be stranded copper unless superseded by local electrical code or electric device manufacturer.

5) It is considered good electrical practice to run spare wires at any location that may be difficult to access after construction.

Electrical Circuit Legend Black = (-) VDC Power Green = Signaling Blue = Activation Violet = Monitoring/Supervisory Brown = AC High Voltage

Function Statement:



From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts. Receptionist push button to unlock doors for visitor entry. From exterior - unlocked condition: Doors to remain locked unless electric exit device held retracted by access control system or receptionist desk push button control.

From interior - locked condition: Free egress at all times by means of exit device.

From interior - unlocked condition: Free egress at all times by means of exit device.

Title:	Pair MLR-SP	2000-pusl	nbutton.	vsd	Project: Example			
HWSET: Example					Door: EXT-1			
Date:	5/30/2018	Date P	rinted:	5/30/2018	Last Revise	ed: 5/30/2018	5:26:44 PM	
Drawn By	Drawn By: Cody Richardson For:				ects Group	SO: n/a	Pg: 1 OF 1	



From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts. Receptionist push button to unlock doors for visitor entry. From exterior - unlocked condition: Doors to remain locked unless electric exit device held retracted by access control system, receptionist desk push button control or maintained key-switch control. From interior - locked condition: Free egress at all times by means of exit device.

From interior - unlocked condition: Free egress at all times by means of exit device.

Title: F	le: Pair MLR-SP2000-PB-KSWCH.vsd					Project: Example		
HWSET: Example					Door: EXT-1			
Date:	5/30/2018	Date P	rinted:	5/30/2018	Last Revise	ed: 5/30/2018	5:21:58 PM	
Drawn By	Cody Ric	hardson	For:	Special Proj	ects Group	SO: n/a	Pg: 1 OF 1	



NOTES:

1) Verify that each component requiring or supplying power has been configured for proper system voltage before applying power.

2) All wires to be 18 awg 100' max unless otherwise noted on drawing. Refer to manufacturers instructions for proper wire gauge on any power supply, electric device or electrified lock hardware. Manufacturers requirements take precedence.

3) All line voltage power to be I/A/W local electrical code.

4) All low voltage wires to be stranded copper unless superseded by local electrical code or electric device manufacturer.

5) It is considered good electrical practice to run spare wires at any location that may be difficult to access after construction.



Electrical Circuit Legend Black = (-) VDC Power Green = Signaling Blue = Activation Violet = Monitoring/Supervisory Brown = AC High Voltage

Function Statement:

From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts and enable exterior handicap actuator use. From exterior - unlocked condition: Door to remain locked unless electric exit device held retracted by access control system. When unlocked, exterior handicap actuator to be available. From interior - locked condition: Free egress at all times by means of exit device or by pressing interior handicap actuator to retract electric exit device latchbolts and initiate automatic operators. From interior - unlocked condition: Free egress at all times by means of exit device or by pressing interior handicap actuator to retract electric exit device latchbolts and initiate automatic operators. General: Fail-secure electric latch retraction exit device to remain locked during utility power-loss event.

Title: Pair MLR_Operators SP2000.vsd					Project: Example		
HWSET: Example					Doo	r: EXT-1	
Date:	5/31/2018	Date P	rinted:	5/31/2018	Last Revise	d: 5/31/2018	12:21:54 PM
Drawn By:	Drawn By: Cody Richardson For:				ects Group	SO: n/a	Pg: 1 OF 1



From exterior - locked condition: Access by presenting valid credential at reader interface to retract electric exit device latchbolts and enable exterior handicap actuator use. Receptionist push button to unlock doors for visitor entry. From exterior - unlocked condition: Door to remain locked unless electric exit device held retracted by access control system or receptionist push button. When unlocked, exterior handicap actuator to be available. From interior - locked condition: Free egress at all times by means of exit device or by pressing interior handicap actuator to retract electric exit device latchbolts and initiate automatic operators. From interior - unlocked condition: Free egress at all times by means of exit device or by pressing interior handicap actuator to retract electric exit device latchbolts and initiate automatic operators. General: Fail-secure electric latch retraction exit device to remain locked during utility power-loss event.

Title:	Pair MLR_PB_	Operators	SP200	0.vsd	Project: Example			
HWSET: Example					Door: EXT-1			
Date:	5/31/2018	Date P	rinted:	5/31/2018	Last Revise	d: 5/31/2018	12:42:56 PM	
Drawn	By: Cody Ric	hardson	For:	Special Proj	ects Group	SO: n/a	Pg: 1 OF 1	



From exterior - locked condition: Access by presenting valid credential at reader interface to unlock/release electric strike gate and permit ingress.

From exterior - unlocked condition: Door to remain locked unless electric strike unlocked by access control system. If fail-safe electric strike, door will be unlocked during utility power-loss event. From interior - locked condition: Free egress at all times by means of exit device.

<u>From interior - unlocked condition:</u> Free egress at all times by means of exit device.

General: Fail-secure electric strike to remain locked during utility power-loss event. If fail-safe electric strike, door will be unlocked during utility power-loss event.

Title:	SGL Electric	: Strike SF	2000.v	sd	Project: Example			
	HWSET: EX	ample			Door: EXT-1			
Date:	5/31/2018	Date P	rinted:	5/31/2018	Last Revise	ed: 5/31/2018	4:59:56 PM	
Drawn By	: Cody Ric	hardson	For:	Special Proj	ects Group	SO: n/a	Pg: 1 OF 1	



From exterior - unlocked condition: Door to remain locked unless electric strike unlocked by access control system. If fail-safe electric strike, door will be unlocked during utility power-loss or active fire alarm event. From interior - locked condition: Free egress at all times by means of exit device.

<u>From interior - unlocked condition:</u> Free egress at all times by means of exit device.

General: Fail-secure electric strike to remain locked during utility power-loss or active fire alarm event. If fail-safe electric strike, door will be unlocked during utility power-loss or active fire alarm event.

Title:	Title: SGL Electric Strike SP2000_FACP.vsd					Project: Example				
HWSET: Example				Doc	r: EXT-1					
Date:	5/31/2018	Date P	rinted:	5/31/2018	Last Revise	ed: 5/31/2018	4:59:03 PM			
Drawr	n By: Cody Ric	hardson	For:	Special Pro	ects Group	SO: n/a	Pg: 1 OF 1			



From exterior - locked condition: Access by presenting valid credential at reader interface to unlock electrified mortise lock lever trim and permit ingress. Manual entry by key override. From exterior - unlocked condition: Door to remain locked unless electrified mortise lockset held unlocked by access control system.

From interior - locked condition: Free egress at all times by means of lever trim.

From interior - unlocked condition: Free egress at all times by means of lever trim.

General: Fail-secure electrified mortise lockset to remain locked during utility power-loss event.

^{Title:} SGL	FSE-ElecN	IortiseLoc	k SP20	Project: Example				
HWSET: Example				Door: EXT-1				
Date:	6/1/2018	Date Printed:		6/1/2018	Last Revise	ed: 6/1/2018	2:07:39 PM	
Drawn By:	wn By: Cody Richardson For:			Special Proj	ects Group	SO: n/a	Pg: 1 OF 1	



From exterior - locked condition: Access by presenting valid credential at reader interface to unlock electrified mortise lock lever trim and permit ingress. Manual entry by key override.

From exterior - unlocked condition: Door to remain locked unless electrified mortise lockset held unlocked by access control system.

From interior - locked condition: Free egress at all times by means of lever trim.

<u>From interior - unlocked condition:</u> Free egress at all times by means of lever trim.

General: Fail-secure electrified mortise lockset to remain locked during utility power-loss event.

Litle: 2 SGL	FSE-Elect	MortiseLo	ck SP20)00.vsd	Project: Example					
HWSET: Example				Door: EXT-1						
Date:	6/1/2018	Date P	rinted:	6/1/2018	Last Revise	ed: 6/1/20)18	4:20	:09 PN	1
Drawn By:	rawn By: Cody Richardson For:			Special Proj	SO:	n/a	Pg:	1 OF	1	



From exterior - locked condition: Access by presenting valid credential at reader interface to unlock electrified mortise lock lever trim and permit ingress. Manual entry by key override. From exterior - unlocked condition: Door to remain locked unless electrified mortise lockset unlocked by access control system.

From interior - locked condition: Free egress at all times by means of lever trim.

<u>From interior - unlocked condition:</u> Free egress at all times by means of lever trim.

General: Fail-safe electrified mortise lockset to remain unlocked during utility power-loss or active fire alarm event. Manual reset required after active fire alarm for lock to resecure.

Title: SO	GL FS-ElecM	ortiseLock	SP200	0.vsd	Project: Example				
HWSET: Example					Door: EXT-1				
Date:	6/1/2018	Date P	rinted:	6/1/2018	Last Revise	ed: 6/1/2018	12:46:10 PM		
Drawn By	rawn By: Cody Richardson For:			Special Proj	ects Group	SO: n/a	Pg: 1 OF 1		



From exterior - locked condition: Access by presenting valid credential at reader interface to unlock electrified mortise lock lever trim and permit ingress. Manual entry by key override.

From exterior - unlocked condition: Door to remain locked unless electrified mortise lockset unlocked by access control system.

From interior - locked condition: Free egress at all times by means of lever trim.

From interior - unlocked condition: Free egress at all times by means of lever trim.

General: Fail-safe electrified mortise locksets to remain unlocked during utility power-loss or active fire alarm event. Manual FACP reset required after active fire alarm for mortise locks to resecure.

^{Title:} 2 SGL	FSA-Elect	MortiseLo	ck SP20	000.vsd	Project: Example			
HWSET: Example				Door: EXT-1				
Date:	6/1/2018	Date Printed:		6/1/2018	Last Revise	ed: 6/1/2018	4:17:33 PM	
Drawn By:	awn By: Cody Richardson For:			Special Proj	ects Group	SO: n/a	Pg: 1 OF 1	



From exterior - locked condition: Access by presenting valid credential at reader interface to release magnetic lock and permit ingress.

From exterior - unlocked condition: Door to remain secure by maglock unless maglock power released by access control system, push button, motion sensor, active fire alarm or utility power-loss event.

From interior - locked condition: Free egress at all times by means of PIR motion sensor or emergency release exit push button to release maglock power.

From interior - unlocked condition: Free egress at all times by means of PIR motion sensor or emergency release exit push button to release maglock power.

General: Fail-safe magnetic lock to remain de-energized/unsecure during utility power-loss or active fire alarm event. Upon active fire alarm event, manual FACP reset required to resecure maglock.

Title: SGL Maglock SP2000.vsd					Project: Example					
HWSET: Example					Door: EXT-1					
Date:	6/1/2018	Date Printed:		6/1/2018	Last Revise	ed: 6/1/2	018	3:47:5	9 PM	1
Drawn By:	By: Cody Richardson For:			Special Proj	ects Group	SO:	n/a	Pg: 1	OF	1



From exterior - locked condition: Access by presenting valid credential at reader interface to release magnetic locks and permit ingress.

From exterior - unlocked condition: Doors to remain secure by maglocks unless maglock power released by access control system, push button, motion sensor, active fire alarm or utility power-loss event. From interior - locked condition: Free egress at all times by means of PIR motion sensor or emergency release exit push button to release maglock power.

From interior - unlocked condition: Free egress at all times by means of PIR motion sensor or emergency release exit push button to release maglock power.

General: Fail-safe magnetic locks to remain de-energized/unsecure during utility power-loss or active fire alarm event. Upon active fire alarm event, manual FACP reset required to resecure maglocks.

Title:	Pair Magl	Project: Example								
HWSET: Example					Door: EXT-1					
Date:	6/1/2018	Date Printed:		6/1/2018	Last Revise	ed: 6/1/2	018	3:40:	22 PN	1
Drawn By:	Cody Richardson For:			Special Proj	ects Group	SO:	n/a	Pg:	1 OF	1