

## ADDENDUM

Project Name: Warren Consolidated Schools  
Secure Entrance Improvements

Addendum No: Two (2)

Project Number: 12-157

Issue Date: April 18, 2013

Project Location: 31300 Anita, Warren, Michigan 48093

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This Addendum forms a part of the above described Contract Documents and supersedes, supplements or clarifies parts thereof to the extent defined by the terms set forth in this Addendum.

This Addendum consists of (1) typed page(s) and the following attachments for a total of (9) pages, including specifications:  
- Specification Sections: 087100 Hardware Sets (8-pages)

### SPECIFICATIONS

- ITEM SP1 SECTION 087100 Door Hardware (Re-Issued)
- a. Delete RY-24L "Release Relay" AIP from sets 02, 03, 09, 09.1, 09.2, 12.
  - b. Door hardware sets revised – refer to sets 06, 7.2, 7.3, 9.1 & 9.2 for other revisions.

### ARCHITECTURAL DRAWINGS:

- ITEM A1 Sheet A1-03 Door Schedule and Details (Revised but not Re-Issued)
- A. Opening Schedule
    - a. Change door S100.1 to be hardware group 7.2, in lieu of 7.
    - b. Add door number S100.2 existing to remain, hardware group 7.3.
    - c. Change door W100.1 to be hardware group 7.2, in lieu of 7.
    - d. Add door number W100.2 existing to remain, hardware group 7.3.
- ITEM A2 Sheet A3-01 Green Acres Elementary (Revised but not Re-Issued)
- A. Reflected Ceiling Plan 4 – Add ceiling mounted exit sign at interior side of door G100.1.
    - a. LED exit sign, double face, polycarbonate housing construction, universal directional arrow knockouts, fully overlapping seal, 6" high red letters, 25year life LED lamps, 120 volt input, 6 volt sealed maintenance free battery 90 minute discharge, 24 hour recharge
      - i. LightAlarms #QLXN500-R or approved equal.
- ITEM A4 Sheet A3-06 Siersma Elementary (Revised but not Re-Issued)
- A. Add door number S100.2 to exterior pair of doors north of door S100.1.
- ITEM A5 Sheet A3-07 Wilde Elementary (Revised but not Re-Issued)
- A. Add door number W100.2 to exterior pair of doors north of door W100.1.

**\*\*END OF ADDENDUM\*\***

1. Provide the services of a representative to inspect material furnished and its installation and adjustment, to make final hardware adjustment, and to instruct the Owner's personnel in adjustment, care and maintenance of hardware.
2. Locksets, closers and exit devices shall be inspected by the factory representative and adjusted after installation and after the HVAC system is in operation, to insure correct installation and proper adjustment in operation. The manufacturer's representative shall prepare a written report stating compliance, and also recording locations and kinds of noncompliance. The original report shall be forwarded to the Architect with copies to the Contractor, hardware distributor, hardware installer and building owner.

D. Technical and Warranty Information:

1. At the completion of the project, the technical and warranty information coalesced and kept on file by the General Contractor/Construction Manager shall be given to the Owner or Owner's Agent. In addition to both the technical and warranty information, all factory order acknowledgement numbers supplied to the General Contractor/Construction Manager during the construction period shall be given to the Owner or Owner's Agent. The warranty information and factory order acknowledgement numbers shall serve to both expedite and properly execute any warranty work that may be required on the various hardware items supplied on the project.
2. Submit to General Contractor/Construction Manager, two copies each of parts and service manuals and two each of any special installation or adjustment tools. Include for locksets, exit devices, door closers and any electrical products.

3.2 Hardware Sets:

HARDWARE SET NO. 01

EACH TO HAVE:

2	EA	MAGNETIC LOCK	M450P	628	SCE
1	EA	PUSHBUTTON	621RDEX DA	629	SCE
1	EA	MOTION SENSOR	SCANII	WHT	SCE
2	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	MULLION MOUNT BRKT	JK-MB		AIP
1	SET	INTERCOM SYSTEM	JMS-4AEDV		AIP
1	EA	DESK MOUNT	MCW-S/A		AIP
1	EA	RELEASE RELAY	RY-24L		AIP
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT		

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.

WHEN DOORS ARE LOCKED, VISITORS MAY REQUEST ACCESS WITH THE INTERCOM SYSTEM. THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED.

COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 02

EACH TO HAVE:

2	EA	CONT. HINGE	112HD	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	EXIT DEVICE	2802CD X C1702A	630	PRE
1	EA	EXIT DEVICE	ELR2803CD X C1703A	630	PRE
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	MORTISE CYLINDER	1E74	626	BES
2	EA	SURFACE CLOSER	4111 SHCUSH	689	LCN
1	EA	POWER SUPPLY	ELR150 X CM150-08		PRE
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT		

THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED.  
 COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 03

EACH TO HAVE:

1	EA	ELECTRIC STRIKE	ES-6400	630	SCE
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT (RE-USE BALANCE OF EXISTING HDWE)		

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.  
 WHEN DOORS ARE LOCKED, VISITORS MAY REQUEST ACCESS WITH THE INTERCOM SYSTEM. THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED.  
 COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 04

EACH TO HAVE:

PARTNERS 12-157  
 FINISH HARDWARE  
 087100 - 10

2	EA	CONT. HINGE	112HD	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	EXIT DEVICE	2802CD X C1702A	630	PRE
1	EA	EXIT DEVICE	ELR2803CD X C1703A	630	PRE
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	MORTISE CYLINDER	1E74	626	BES
2	EA	SURFACE CLOSER	4111 SHCUSH	689	LCN
1	EA	POWER SUPPLY	ELR150 X CM150-08		PRE
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	SET	INTERCOM SYSTEM	JMS-4AEDV		AIP
1	EA	DESK MOUNT	MCW-S/A		AIP
1	EA	RELEASE RELAY	RY-24L		AIP
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT		

WHEN DOORS ARE LOCKED, VISITORS MAY REQUEST ACCESS WITH THE INTERCOM SYSTEM. THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED. COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 05

EACH TO HAVE:

1	EA	MORTISE CYLINDER	1E74	626	BES
2	EA	DUMMY TRIM	4902	626	PRE
1	EA	KEYSWITCH	653-04	630	SCE
2	EA	DOOR CONTACT	679-05	WHT	SCE
1	EA	MONITOR STATION	800A		SCE
1	EA	TRANSFORMER	593PI-12DC		SCE
1	EA	TIMER RELAY	6062		ALT

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.

DOOR ALARM MONITOR STATION MAY BE MOUNTED IN A SURFACE JUNCTION BOX. COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 06

EACH TO HAVE:

1	EA	ELECTRIC STRIKE	6300 FSE	630	VON
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	SET	INTERCOM SYSTEM	JMS-4AEDV		AIP
1	EA	DESK MOUNT	MCW-S/A		AIP
1	EA	RELEASE RELAY	RY-24L		AIP
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT		

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.

WHEN DOORS ARE LOCKED, VISITORS MAY REQUEST ACCESS WITH THE INTERCOM SYSTEM. THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED.

COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 07

EACH TO HAVE:

1	EA	ELECTRIC STRIKE	6300 FSE	630	VON
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	SET	INTERCOM SYSTEM	JMS-4AEDV		AIP
1	EA	DESK MOUNT	MCW-S/A		AIP
1	EA	RELEASE RELAY	RY-24L		AIP
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT (RE-USE BALANCE OF EXISTING HDWE)		

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.

WHEN DOORS ARE LOCKED, VISITORS MAY REQUEST ACCESS WITH THE INTERCOM SYSTEM. THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED.

COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 07.1

EACH TO HAVE:

PARTNERS 12-157  
 FINISH HARDWARE  
 087100 - 12

1	EA	ELECTRIC STRIKE	6300 FSE	630	VON
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	MULLION MOUNT BRKT	JK-MB		AIP
1	SET	INTERCOM SYSTEM	JMS-4AEDV		AIP
1	EA	DESK MOUNT	MCW-S/A		AIP
1	EA	RELEASE RELAY	RY-24L		AIP
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT (RE-USE BALANCE OF EXISTING HDWE)		

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.

WHEN DOORS ARE LOCKED, VISITORS MAY REQUEST ACCESS WITH THE INTERCOM SYSTEM. THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED.

COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 07.2

EACH TO HAVE:

1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR822	689	PRE
1	EA	EXIT DEVICE	2101	630	PRE
1	EA	EXIT DEVICE	ELR2103	630	PRE
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	AUTO OPERATOR	(RE-USE EXISTING)		
1	EA	POWER SUPPLY	ELR150 X CM150-08		PRE
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	SET	INTERCOM SYSTEM	JMS-4AEDV		AIP
1	EA	DESK MOUNT	MCW-S/A		AIP
1	EA	RELEASE RELAY	RY-24L		AIP
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT (RE-USE BALANCE OF EXISTING HDWE)		

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.

WHEN DOORS ARE LOCKED, VISITORS MAY REQUEST ACCESS WITH THE INTERCOM SYSTEM. THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED. COORDINATE THE ACCESS CONTROL SYSTEM TO ALLOW THE OUTSIDE AUTOMATIC OPERATOR SWITCH TO WORK ONLY WHEN THE DOOR IS UNLOCKED.

THE INSIDE AUTOMATIC OPERATOR SWITCH SHOULD ALWAYS BE ENABLED AND WHEN ACTIVATED SHOULD UNLOCK THE DOOR BEFORE BEGINNING THE OPENING CYCLE. COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 07.3

EACH TO HAVE:

1	EA	REMOVABLE MULLION	KR822	689	PRE
2	EA	EXIT DEVICE	2101	630	PRE
1	EA	MORTISE CYLINDER	1E74	626	BES
(RE-USE BALANCE OF EXISTING HDWE)					

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.

HARDWARE SET NO. 08

EACH TO HAVE:

1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	POWER SUPPLY	ELR150 X CM150-08		PRE
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	LATCH RETRACTION KIT	ELRK		PRE
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT		

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HARDWARE SET NO. 09

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	45H7D14H	626	BES
1	EA	ELECTRIC STRIKE	ES-6400	630	SCE
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	EA	WALL STOP	WS33	626	IVE
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT		

PARTNERS 12-157  
FINISH HARDWARE  
087100 - 14

THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED.  
COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 09.1

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	45H7D14H	626	BES
1	EA	ELECTRIC STRIKE	ES-6400	630	SCE
1	EA	SURFACE CLOSER	4111 CUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT		

THE LOCKED DOORS MAY BE UNLOCKED REMOTELY WITH THE INTERCOM SYSTEM. FREE EGRESS IS ALWAYS ALLOWED.  
COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

HARDWARE SET NO. 09.2

EACH TO HAVE:

1	EA	STOREROOM LOCK	45H7D14H	626	BES
1	EA	ELECTRIC STRIKE	ES-6400	630	SCE
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT (RE-USE BALANCE OF EXISTING HDWE)		

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HARDWARE SET NO. 10

EACH TO HAVE:

APRIL 18, 2013 / ADDENDUM NO. 2  
APRIL 16, 2013 / ADDENDUM NO. 1  
APRIL 2, 2013 / BIDDING - CONSTRUCTION



PARTNERS 12-157  
FINISH HARDWARE  
087100- 15

1	EA	ELECTRIC STRIKE	6300 FSE	630	VON
1	EA	POWER SUPPLY	PS902	LGR	SCE
1	EA	ACCESS CONTROL	CT5000 X MT11 OR MT15		SCE
1	EA	WIRING DIAGRAM	ELEVATION AND POINT-TO-POINT		

THE SUPPLIER WILL FIELD VERIFY THE EXISTING DOOR AND FRAME PREPARATIONS FOR COMPATIBILITY WITH THE SPECIFIED HARDWARE AND ADJUST IF REQUIRED FOR PROPER FIT AND FUNCTION.

THE LOCKED DOORS MAY BE UNLOCKED BY PRESENTING AN AUTHORIZED CREDENTIAL. FREE EGRESS IS ALWAYS ALLOWED.

COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

#### HARDWARE SET NO. 11

EACH TO HAVE:

(RE-USE EXISTING)

#### HARDWARE SET NO. 12

EACH TO HAVE:

1	EA	RELEASE RELAY	RY-24L (RE-USE BALANCE OF EXISTING HDWE)		AIP
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THE LOCKED DOORS MAY BE UNLOCKED BY PRESENTING AN AUTHORIZED CREDENTIAL. FREE EGRESS IS ALWAYS ALLOWED.

COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT AND ALL RELATED TRADES.

#### HARDWARE SET NO. 13

EACH TO HAVE:

1	EA	DOOR CHIME KIT	BK110NBWH (RE-USE BALANCE OF EXISTING HDWE)		NUT
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