



February 21, 2017

Craig A. Miller Sr
Webster University
470 East Lockwood Ave
St. Louis, MO 63119-3194

Via Email

Re: Paric Corporation Project No. 15051
15051-Webster University Interdisciplinary Science Building
CP-080 - ASI#44 - Automatic Door Opener Revisions per Webster

Dear Craig A. Miller Sr:

Paric Corporation proposes to complete the following additional work for the additive sum of Eight Thousand Six Hundred Six Dollars And Thirty Cents \$8,606.30 .

This change will impact the scheduled completion date by 0 days.

- PCI-E-0083 (ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware), Total \$ 8,606.30

The owner contingency shall be utilized for this change proposal.

Proposed Change Proposal Total: ~~\$8,606.30~~

\$8011.10

If this change proposal meets with your approval, please sign and return this proposal for our records by February 28, 2017 at the latest. If accepted this scope will be incorporated into a change order.

Sincerely,

*+/- \$566 less when changed to DL 2700 ZLO
AD - 200*

Paric Corporation

Jason Szachnieski
Project Manager

Accepted:

Date:

3/2/2017

Craig A. Miller Sr
Webster University

Declined:

Date:

Craig A. Miller Sr
Webster University

Paric Corporation

PROJECT MANAGEMENT - CHANGE ITEM DETAIL REPORT

15051 - 15051-Webster University Interdisciplinary Science Building

Page: 1 of 2

Date: 21-FEB-17

Time: 01:03 PM

Status: EXT EXT

CI Type	CI Number	Description	Estimated Amount	Quoted Amount	Final Amount	Due to Owner	Notes	Date Sent	Date Received	Date Closed	Budgeted Amount	Billing Amount	Owner CO
EXT	PCI-E-0083	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware			8,606.30	2021-FEB-17					8,606.30	8,606.30	
Vendor Name		Description											
	Guarantee Electrical Construction Co	15051	16000.001 S	Electrical Sub	2,397.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware	Provide ASI#44 revisions per GECO proposal dated 2/20/17. Add \$2,397						
	NGG Ltd., Incorporated	15051	08400.205 S	Interior Glass	422.36	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware	Provide ASI#44 revisions per NGG proposal 10047-008 dated 1/20/17. Add \$422.36						
	Paric Corp - Self Perform	15051	06200.001 S	Finish Carpentry Sub	3,190.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware	Provide ASI#44 revisions per PSP COR#14. Add \$3190						
	NGG Ltd., Incorporated	15051	08400.205 S	Interior Glass	1,226.63	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware	Provide RFI#37 revisions per NGG proposal 10047-007 dated 1/20/17. Add \$1,226.63						
	NGG Ltd., Incorporated	15051	08400.205 S	Interior Glass	967.31	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware	Provide revisions to door #292.1 per NGG proposal 10047-009 dated 1/24/17. Add \$967.31						
	PARIC	15051	23100.001 M	Risk Management (1.1%)	90.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware	Risk Management						
	PARIC	15051	23150.005 M	Contractor Default Insurance (1.25%)	103.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware	Contractor Default Insurance						
	PARIC	15051	23300.001 F	Fee (2.5%)	210.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware	Contractor Fee						
Total For EXT			0.00	0.00	8,606.30						8,606.30	8,606.30	
Grand Total:			0.00	0.00	8,606.30						8,606.30	8,606.30	

8,606.30

Paric Corporation

PROJECT MANAGEMENT - CHANGE ITEM DETAIL REPORT

15051 - 15051-Webster University Interdisciplinary Science Building

Page: 1 of 2

Date: 08-MAR-17

Time: 04:26 PM

Status: EXT EXT

CI Type	CI Number	Description	Estimated Amount	Quoted Amount	Final Amount	Due to Owner	Notes	Date Sent	Date Received	Date Closed	Budgeted Amount	Billing Amount	Owner CO
EXT	PCI-E-0083	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware			8,011.10	21-FEB-17					8,011.10	8,011.10	
Vendor Name			Description										
	Guarantee Electrical Construction Co	15051	16000.001	S	Electrical Sub	2,397.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware						Provide ASI#44 revisions per GECO proposal dated 2/20/17. Add \$2,397
	NGG Ltd., Incorporated	15051	08400.205	S	Interior Glass	422.36	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware						Provide ASI#44 revisions per NGG proposal 10047-008 dated 1/20/17. Add \$422.36
	Paric Corp - Self Perform	15051	06200.001	S	Finish Carpentry Sub	3,190.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware						Provide ASI#44 revisions per PSP COR#14. Add \$3190
	NGG Ltd., Incorporated	15051	08400.205	S	Interior Glass	660.43	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware						Provide RFI#37 revisions per NGG proposal 10047-007 dated 1/20/17 revised by \$(566.20) for changing lockset to Trilogy DL2700. Add \$660.43
	NGG Ltd., Incorporated	15051	08400.205	S	Interior Glass	967.31	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware						Provide revisions to door #292.1 per NGG proposal 10047-009 dated 1/24/17. Add \$967.31
	PARIC	15051	23100.001	M	Risk Management (1.1%)	84.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware						Risk Management
	PARIC	15051	23150.005	M	Contractor Default Insurance (1.25%)	95.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware						Contractor Default Insurance
	PARIC	15051	23300.001	F	Fee (2.5%)	195.00	ASI#44 - Automatic Door Opener revisions per Webster University & Misc Hardware						Contractor Fee
Total For EXT			0.00	0.00	8,011.10						8,011.10	8,011.10	
Grand Total:			0.00	0.00	8,011.10						8,011.10	8,011.10	

2-0083



ELECTRICAL CONSTRUCTION

3415 Bent Avenue St. Louis, MO 63116 ph (314) 772-5400 fx (314) 772-2526 web gecco.com

PROPOSED CHANGE ORDER

Client Address:

PARIC CORPORATION

Contact: Jason Szachnieski
77 W PORT PLAZA # 250
ST. LOUIS, MO 63146

CCN #

Date:

Project Name:

Project Number:

Page Number:

ASI - 044 DOOR HARDWARE CHANGES

2/20/2017

WEBSTER GROVES ISB BUILDING

WEBSTER GROVES ISB BUILDING

1

Work Description

Webster ISB

ASI - 044 ADDED POWER FOR MOTORIZED DOORS.

Description of work

* Provide rough in and single point connection for additional powered doors and controls.

Base bid shall increase by: \$ 2,397.00

We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 30 days from the date of receipt.

We request a time extension of 20 days.

We will supply and install all materials, labor, and equipment.

Itemized Breakdown

Description	Qty	Total Mat.	Total Hrs.
3/4" EMT CONDUIT	20	10.26	1.24
3/4" EMT STL SS CONN	2	0.38	0.24
3/4" EMT 1-H STEEL STRAP	4	0.63	0.20
1/2" STEEL FLEX	20	11.06	1.00
1/2" STL FLEX CONN	4	4.54	0.60
1/2" STL 90 DEG FLEX CONN	4	10.12	0.76
1/2" PLASTIC BUSHING	8	1.46	0.96
3/4" PLASTIC BUSHING	2	0.32	0.28
#12 THHN BLACK	84	9.13	0.63
#12/2C CU MC CABLE AL ARMOR	110	57.40	3.58
3/8" MC CABLE DC SS CONN	8	4.14	0.96
B2-1 RED WIRE CONN	12	2.61	0.96
#10x 5/8 F/H SELF-TAP SCREW	8	0.88	0.31
#10x 3/4 P/H SELF-TAP SCREW	8	0.88	0.31
#10x 1 P/H SELF-TAP SCREW	8	0.93	0.32
6M58 CABLE SUPPORT (MC minnie+7/16 flange clip p.53)	22	46.12	1.10
H23 SQ BOX MTG BRKT p.126	2	1.94	0.15
4" SQ BOX 1 1/2"D COMB KO	10	11.84	3.50
4" SQ BLANK COVER	8	8.34	0.72

ORIGINAL

PROPOSED CHANGE ORDER

Client Address:

PARIC CORPORATION
77 W PORT PLAZA # 250
ST. LOUIS, MO 63146

CCN #

Date:

Project Name:

Project Number:

Page Number:

ASI - 044 DOOR HARDWARE CHANGES

2/20/2017

WEBSTER GROVES ISB BUILDING

WEBSTER GROVES ISB BUILDING

2

Description	Qty	Total Mat.	Total Hrs.
4" SQ 2G PLSTR RING 5/8" RISE	2	2.13	0.40
DOOR POWER CONNECTIONS	4	0.00	4.00
Totals	350	185.10	22.21

Summary

General Materials	185.10
Material Total	185.10
LU 1 - GF @ \$86.60/hr	96.13
LU 1 - F @ \$81.10/hr	180.04
LU 1 - JW @ \$75.60/hr	1,511.24
AS-BUILT DRAWINGS	150.00
EXPENDABLES	3.70
SMALL TOOLS	53.62
Subtotal	2,179.83
Markup	217.98
Subtotal	2,397.81
Adjustment #1	-0.81
Final Amount	\$2,397.00

CONTRACTOR CERTIFICATION

Name: _____
Date: _____
Signature: _____
I hereby certify that this quotation is complete and accurate based on the information provided.

CLIENT ACCEPTANCE

CCN #: ASI - 044 DOOR HARDWARE CHANGES
Final Amount: \$2,397.00
Name: _____
Date: _____
Signature: _____
Change Order #: _____
I hereby accept this quotation and authorize the contractor to complete the above described work.

ORIGINAL

NGG LTD., INC
1850 CRAIGSHIRE RD.
ST. LOUIS, MISSOURI, 63146

NGG

CHANGE ORDER REQUEST

NGG PROJECT NUMBER: 10047

PROJECT NAME: WEBSTER UNIVERSITY

OWNER:

DATE OF CHANGE ORDER: 1/20/2017

CHANGE ORDER NUMBER: 10047-008

SUBCONTRACT FOR:

Glass & Glazing

TO: Paric - Attn: Jason Szachnieski

CHANGE ORDER AMOUNT: ADD: \$ 422.36

DEDUCT: \$ -

CHANGE ORDER TOTAL: ADD: \$ 422

ORIGINAL CONTRACT SUM WAS.....
NET BY PREVIOUS CHANGE ORDERS.....
CONTRACT SUM PRIOR TO THIS CHANGE ORDER.....
CURRENT CHANGE ORDER AMOUNT.....
NEW CONTRACT AMOUNT INCLUDING THIS CHANGE ORDER WILL BE.....
THE SCHEDULE WILL BE CHANGED BY 0 DAYS.....

\$	-
\$	-
\$	422.36
\$	422.36
	-

ORIGIN: ASI-044

DESCRIPTION:

ADDITIONAL CLOSER FOR DOOR #233

CHANGE ORDER DETAILS (ADDS)

DESCRIPTION	Material/Labor	Allow Markup	TOTAL
See attached break down for specifics	\$ 422.36		\$ 422.36
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
TOTAL	\$ 422.36	\$ -	\$ 422.36

CHANGE ORDER DETAILS (DEDUCTS)

DESCRIPTION	Material/Labor	Allow Markup	TOTAL
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
TOTAL	\$ -	\$ -	\$ -

Paric

BY:

TITLE:

DATE:

NGG Ltd., Inc.

BY:

DATE:

Daniel Ward - Project Manager

1/20/17

PROJECT	WEBSTER UNIVERSITY						
SUBJECT	ADDITIONAL DOOR CLOSER REQUIRED AT DOOR #233						
DESCRIPTION	QTY	UNIT		RATE / UNIT PRICE		SUBTOTAL	OH/M TOTAL
ENGINEERING							
STRUCTURAL CALCULATIONS / RESOLUTION		HRS	@	\$100.00	=	\$0.00	\$0.00
DRAFTING (DETAILS & ELEVATIONS)		HRS	@	\$75.00	=	\$0.00	\$0.00
PRECONSTRUCTION SERVICES MANAGER		HOURS	@	\$100.00		\$0.00	\$0.00
MATERIAL							
			@		=	\$0.00	\$0.00 \$0.00
Added closer to door #233	1	Pcs	@	\$226.00	=	\$226.00	\$33.90 \$259.90
		Lot	@		=	\$0.00	\$0.00 \$0.00
		Lot	@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
Sales Tax Exempt			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
			@		=	\$0.00	\$0.00 \$0.00
Ironworkers							
1 Man		HRS	@	\$88.28	=	\$0.00	\$0.00
		HRS	@	\$88.28	=	\$0.00	\$0.00
Carpenters							
1 man	2	HRS	@	\$81.23	=	\$162.46	\$162.46
			@				
EQUIPMENT							
BOOM / SCISSOR RENTAL (DAY)	1	LUMP	@		=	\$0.00	\$0.00 \$0.00
DELIVERY / PICKUP	1	LUMP	@		=	\$0.00	\$0.00 \$0.00
TAX (EQUIPMENT ONLY)		LUMP	@		=	\$0.00	\$0.00 \$0.00
GRAND TOTAL						\$388.46	\$33.90 \$422.36

Szachnieski, Jason

From: Horton, Matt
Sent: Thursday, February 2, 2017 9:01 AM
To: Szachnieski, Jason; Gates, Devin
Cc: Boschert, Mike
Subject: COR 14 - Door 150 Changes
Attachments: COR 14 Door 150 Changes.pdf

AS2-44

Jason/Devin,

Attached is COR 14 for the changes that were made to Door 150 per Kelvin's email on 1/27/17. There is also a cost included in this COR for having to change out the Frame 150 that is currently in place and installing a new one. The current Frame 150 is not prepped to receive the corrected hardware. Let me know if you have any questions.

Thanks,

MATT HORTON LEED Green Associate
PROJECT ENGINEER

Direct: 636-561-9841

Main: 636-561-9500

77 Westport Plaza, Suite 250
St. Louis, MO 63146

PARIC.COM



Webster ISB
 PARIC SELF PERFORM
 COR 14 - Door 150 Changes
 2/2/2017

ASI-44

	UNITS	RATE	TOTAL
Revised Heading 20B Hardware per Kelvin Patel 1/27/17 (Material)	1	\$ 2,221.00	\$2,221.00
Added Labor for Door 150 Hardware (1.5 MHs)	1.5	\$ 62.92	\$94.38
Re-order Frame 150 to accept revised hardware (Material)	1	\$ 284.00	\$284.00
Take down current Frame 150 and install new Frame 150 (3 MHs)	3	\$ 62.92	\$188.76
		SUBTOTAL COR=	\$2,788
		Small Tools and Consumables 4%=	\$112
		10% OH&P=	\$290
		SUBTOTAL =	\$3,190

COR Clarifications

- *COR includes labor and material to furnish and install Door 150 Hardware per Cannon's request dated 1/27/17.
- *Frame 150 is currently in place and was ordered based on previously approved hardware submittal.
- *Current Frame 150 will have to be taken down and reorder to accept new Door 150 hardware.
- *COR includes the labor to remove current Frame 150 and install updated Frame 150.
- *Labor includes time to distribute material to required locations within the building.

Horton, Matt

From: Patel, Kelvin <kpatel@CANNONDESIGN.COM>
Sent: Friday, January 27, 2017 11:52 AM
To: Gates, Devin; Horton, Matt
Cc: Grossman, Lynn; Szachnieski, Jason
Subject: FW: Webster University ISB
Attachments: Revised Hardware Set for door 150.docx

Devin,

Attached is the revised hardware set for door 150.

Thanks,

Kelvin Patel, CDT, LEED AP BD+C

Associate

CANNONDESIGN

T 314.425.8756

From: Owens, Aaron [mailto:Aaron.Owens@allegion.com]
Sent: Thursday, January 26, 2017 10:33 AM
To: Grossman, Lynn <lgrossman@CANNONDESIGN.COM>
Cc: Patel, Kelvin <kpatel@CANNONDESIGN.COM>
Subject: RE: Webster University ISB

Hi Lynn,

Here is the revised hardware set for the door. It is setup for a door that is not an egress door. I have provided a keyed switch on both sides that will allow first responders to override the card system should they need to for access.

Please let me know if you have any questions.

Thank you-

Aaron T. Owens, CSI, CDT
Specification Consultant

Allegion
6810 Hillsdale Ct.
Indianapolis, IN 46250

Mobile 317.316.1712
aaron.owens@allegion.com
allegion.com



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From: Grossman, Lynn [<mailto:lgrossman@CANNONDESIGN.COM>]

Sent: Wednesday, January 25, 2017 10:22 AM

To: Owens, Aaron <Aaron.Owens@allegion.com>

Cc: Hoyos, Matthew <Matthew.Hoyos@allegion.com>; Patel, Kelvin <kpatel@CANNONDESIGN.COM>

Subject: RE: Webster University ISB

Hi Aaron – have you been able to look at a revised hardware set for this door? Thanks, Lynn

Lynn Grossman, AIA

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8729 • M 314.288.5257
cannondesign.com

From: Grossman, Lynn

Sent: Thursday, January 19, 2017 8:12 AM

To: 'Owens, Aaron' <Aaron.Owens@allegion.com>

Cc: Hoyos, Matthew <Matthew.Hoyos@allegion.com>; Patel, Kelvin <kpatel@CANNONDESIGN.COM>

Subject: RE: Webster University ISB

Hi Aaron –

I have suggested to the contractor that we go ahead and do the new hardware set for this door. On Monday, they had not yet ordered that door but the frame was in place -

Please go ahead with the new set.

Lynn Grossman, AIA

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8729 • M 314.288.5257
cannondesign.com

From: Owens, Aaron [<mailto:Aaron.Owens@allegion.com>]

Sent: Thursday, January 19, 2017 7:13 AM

To: Grossman, Lynn <lgrossman@CANNONDESIGN.COM>

Cc: Hoyos, Matthew <Matthew.Hoyos@allegion.com>

Subject: RE: Webster University ISB

Hi Lynn,

I had the opportunity to look at your request to add an auto operator to door 150. This is not possible with the currently specified hardware to have an auto operator that is controlled with push plates. Since this door was a pair of control doors and not an egress door it is locked on both sides. The two point lever lock specified is designed to lock and unlock the levers not retract or release the latch so the door can open. Additionally, this lock cannot be equipped with an electric strike due to the design of latching mechanism. It could use a push and go type of system, that senses force and will automatically cycle. my only worry is that the university expressed concern already about operating force, and to initiate the "push and go" can be more than 5lbs. If you would like, I can put together a new hardware set, it will require new doors (if they have already been ordered) as well as it will utilize delayed egress exit devices instead of just lever sets on each side.

Please let me know how I can help you on this one.

Thank you-

Aaron T. Owens, CSI, CDT
Specification Consultant

Allegion
6810 Hillsdale Ct.
Indianapolis, IN 46250

Mobile 317.316.1712
aaron.owens@allegion.com
allegion.com



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From: Grossman, Lynn [<mailto:lgrossman@CANNONDESIGN.COM>]
Sent: Thursday, January 12, 2017 2:42 PM
To: Owens, Aaron <Aaron.Owens@allegion.com>
Cc: Patel, Kelvin <kpatel@CANNONDESIGN.COM>
Subject: Webster University ISB

Hi Aaron –

We need to add an automatic opener to door 150. This is an interior pair of doors with a card reader – wood in hollow metal frames.

Attached is the door location and the hardware submittal. Is it just a matter of adding an electronic closer LCN 4642 REG AL?

Lynn Grossman, AIA

CANNONDESIGN

1100 Clark Ave

St. Louis, Missouri 63102
T 314.425.8729 • M 314.288.5257
cannondesign.com

EVISED HARDWARE GROUP NO. 20B

FOR USE ON MARK/DOOR #(S):
150

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5	613	IVE
2	EA	MORTISE CYLINDER	26-064	613	SCH
2	EA	PRIMUS CORE	20-740	606	SCH
2	EA	MAGNETIC LOCK	M490	628	SCE
4	EA	DOOR PULL	RM 3340 MEGATEK 18" CTC [MOUNT BACK TO BACK]	315	ROC
1	EA	SURFACE CLOSER	4040XP RW/PA MC	695	LCN
1	EA	SURF. AUTO OPERATOR	4631 WMS	695	LCN
2	EA	ACTUATOR	8310-818T	630	LCN
2	EA	WALL STOP	WS401/402CCV	US10B	IVE
2	EA	SILENCER	SR64	GRY	IVE
2	EA	CREDENTIAL READER	BY ACCESS CONTROL		B/O
2	EA	KEY SWITCH	653-04 HDP	613	SCE
2	EA	DOOR CONTACT	679-05HM	BLK	SCE
1	EA	POWER SUPPLY	PS904 900-4RL FA900	LGR	VON

NOTE: VALID CREDENTIAL EITHER SIDE TO RELEASE MAGNETIC LOCK ALLOWING PASSAGE THROUGH DOOR. WHEN MAGNETIC LOCK IS RELEASED, ACTUATORS FOR AUTO OPERATOR TO BE ACTIVE. PRESSING ACTIVE ACTUATOR CYCLES AUTO OPERATOR. ACCESS CONTROL SYSTEM TO ALLOW DOORS TO BE LOCKED AND UNLOCKED ACCORDING TO SCHEDULE. KEY SWITCH EITHER SIDE, WILL OVERRIDE CARD SYSTEM, INTERRUPTING POWER TO MAGNETIC LOCK ALLOWING PASSAGE THROUGH DOOR.



49 Airport Rd. | St. Louis, MO 63135 | 800-456-6540

Date: 01-30-2017

To: Paric
Attn: Matt Horton
Phone: 636 561-9841
E-mail: mrhorton@paric.com

Project: Webster ISB – Changes to door 150 hardware
Location: St. Louis, MO.
Architect: Cannon Design

Quoted By: Darryl Stith
Phone: (314) 595-4409
E-Mail: dstith@negwer.com

We propose to furnish the following materials, delivery included and tax excluded, for the above referenced projects. Based on revised Hardware Group No 20B

Heading 20B with multipoint locks

Deduct group

< \$ 3,446.00 >

Revised Heading 20B with mag locks pulls and power operator

Add group

\$ 5,667.00

***** Written authorization to proceed is required to place materials on order.**

General Qualifications-

=====

TOTAL FOR ABOVE MATERIALS AS LISTED

\$ 2,221.00 (tax not included)

All Pricing is based on Standard Lead Times approx. 6 weeks upon returned approved submittals. Please Contact Negwer Door Systems if material is time sensitive.

Conditions: Sales tax NOT included. Tax rate 9.113%. Payment terms, Net 30 days, pending credit approval. Quote is valid for 30 days. Material ONLY, no labor included.



49 Airport Rd.
St. Louis, MO 63135
314-522-0579

Date: 02/01/17

To: Paric
Attn: Matt Horton
Phone: 636 561-9841

Project: Webster ISB – Frame 150
Location: St Louis Mo
Quoted By: Darryl Stith (Direct Line 314 595-4409)

We propose to furnish the following materials, delivery included and tax not included, for the above referenced project.

150

1ea. 6072 5 3/4" Welded Hollow metal frame prepped for revised hardware.

Written authorization to proceed is required to place materials on order.

Total Price For Above Items:

ADD \$ 284.00

Conditions: Sales tax NOT included. Tax rate 9.113%. Payment terms, Net 30 days, pending credit approval. Quote is valid for 30 days. Material ONLY, no labor included.

Szachnieski, Jason

From: Dan Ward <dward@nggltd.com>
Sent: Friday, January 20, 2017 7:59 AM
To: Gates, Devin
Cc: Szachnieski, Jason
Subject: Hardware Changes
Attachments: COR 10047-008.pdf; COR 10047-007.pdf

Devin,

See attached COR's for hardware changes made on ASI-044 and RFI-378.

- N66 C.O.# 10047-007
and #10047-008

Thanks,
Dan Ward
Project Manager
NGG Ltd Inc.
1850 Craigshire Rd. Ste 202
St. Louis, MO 63146
314-336-2515 – office
314-336-2517 – direct
314-575-1665 – mobile



PARIC CORPORATION
77 Westport Plaza Suite 250
St. Louis, MO 63146
TEL: 636-561-9500
FAX: 636-561-9501

REQUEST FOR INFORMATION **DATE:** December 12, 2016 **NO.:** RFI-378

To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Devin Gates

Project Name: 15051-Webster University Interdisciplinary Science Building

Project No.: 15051

Subject: Door hardware requests from Webster University

Response Required By: December 19, 2016

Drawing / Spec Reference:

Information Requested:

Jim Ward from Webster University has the following questions/comments before we can release hardware for production;

1. Why is 291.2 an exit only door? 291.1 shows both.
 AT RESEARCH LAB, 291, 291.1 IS A CARD ACCESS DOOR TO CONTROL ACCESS AND 291.2 IS EXIT ONLY ALSO TO MAINTAIN ACCESS CONTROL. THIS IS ALSO TYPICAL OF 276.2, AND 283.2. WU ADVISE WHAT IS DESIRABLE
2. 276.1 shows card access and a storefront walk, why is this different than 291?
 276.1 AND 291.1 ARE THE SAME: CARD ACCESS W/ STORAGE ROOM FUNCTION LOCK (NO ENTRY UNLESS CARD OR KEY)
3. 284.1 and 284.2 should have classroom locks on both doors.
 284.1 AND 284.2 BOTH HAVE CLASSROOM LOCKS
4. Why are the prep rooms keyed different from the hallway? These should all match. **OK**

Jim Ward proposes lock function changes per below;

174 Teaching Kitchen Change to Keypad **OK - SEE ATTACHED/ BELOW SPEC**

114 Mock Exam Room Change to ND53 **OK**

116 Mock Exam Room Change to ND 53 **OK**

144 Adj. Office Change to Keypad **OK - SEE ATTACHED SCHLAGE AD-200 - HARDWARE CONSULTANT BELIEVES THIS IS WEBSTER'S PREFERENCE**
Schlage Electrified Office Lock AD-200-CY-50-KP-RHO-TD-626 with a Primus 20-740 core.

401 Adj. Office Change to Keypad

406 Adj. Office Change to Keypad

432 Adj. Office Change to Keypad

434 Adj. Office Change to Keypad

364 Sm. Meeting Room Change to ND70 **OK**

412 Testing Change to ND70 **OK**

414 Testing Change to ND70 **OK**

441 Sm Meeting Room Change to ND70 **OK**

Suggestion: Please advise if these changes will be acceptable or advise as to what cannot be changed.

Response: SEE ABOVE

Answered By: LYNN GROSSMAN

Date: 12.15.16

SCHLAGE

AD-200

Standalone electronic lock



Overview

AD Series electronic locks from Schlage are designed to be modular and provide more options to choose from, more functionality in the lock and more compatibility with existing systems. Its patent-pending modular design allows the lock to be customized to fit the needs of an application now, and can change to meet future needs without removing it from the door.

Factory orderable options include choices of credential readers, chassis type, locking functions, power options, lever styles and finishes. It also offers a wide selection of features that can be configured in the field to customize your openings.

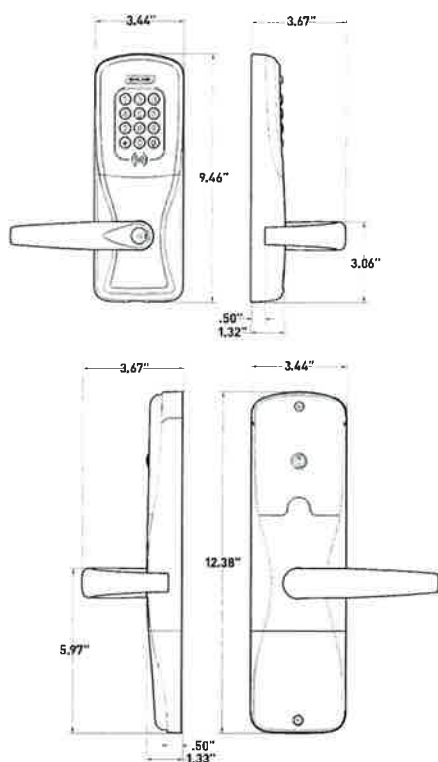
The AD-200 is a simple, economical solution if no access control system currently exists in facility, or for openings that don't require the control of a networked solution. The AD-200 is easily upgradable to a networked lock if requirements change in the future.

On all AD Series standalone locks, Schlage has built in many of the incremental features needed in a networked system such as request-to-exit and -enter sensors, interior cover tamper guard, as well as the door position switch. This way, if the customer chooses to network this opening in the future, all the components will be there to make the transition an easy one.

Features and benefits

- Security that's more intelligent and convenient than traditional mechanical locking devices
- Audit trail reports that allow you to track usage and events
- Update users and access rights at the lock using the keypad or handheld device
- The ability to upgrade to a networked solution without removing the lock from the door
- Available in cylindrical, mortise, mortise deadbolt and exit trim
- Compatible with major brands of master key systems and exit devices
- Now available with magnetic swipe reader
- AD Series with multi-technology readers are NFC compatible¹
- FIPS 201-1 compliant when applied with the FIPS multi-technology plus keypad reader module (FMK)
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C, FCC Part 15, ADA, RoHS

¹ Please refer to aptiQmobile compatibility chart for a list of certified devices



AD-200 electronic lock specifications

Users	Up to 5000
Audits	Up to 5000
Credential verification time	≤ 1 second ¹
Visual/audible communications	Tri-colored LEDs and audible indicators (field configurable)
System interface	Handheld Device (HHD)
Power supply	4AA, 8AA, 12 VDC or 24 VDC
Voltage range	4 VDC to 26 VDC
Max current requirement	Up to 250 mA
Battery life	Up to 2 yrs with 4AA
Operating temperature - exterior	-31° to 151°F (-35° to 66°C)
Operating temperature - interior	32° to 120°F (0° to 49°C) (battery)
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C, FCC Part 15, ADA, RoHS
Accessories	Handheld Device (HHD)

Functions

- Classroom/storeroom²
- Office^{2,3}
- Privacy³
- Apartment³

Standard status signals

- Lock/unlock status
- Mechanical key override
- Battery status

Schlage Utility Software on Handheld Device

The Schlage Utility Software (SUS) on the Handheld Device (HHD) provides an easy way to manage people, audits and locks for simple access control management.

Schlage Utility Software

- Initialize lock and accessories
- Field configure devices
 - Credential reader formats
 - Lock function
 - Unlock period
 - Failure mode
 - Audible alarm on/off
- Service and diagnostics
 - Battery status
 - Validate hardware and software revision
 - Troubleshooting status signals
- New device template simplifies configuration

HHD

- 3.5 in LCD display
- Touch screen/keypad backlit
- 32-bit processor
- OS: Windows Mobile 5.0
- Memory: 128 MB RAM/ 256 MB ROM
- Battery: rechargeable 3.7 v, 1,230 mAh, Li-ion
- Dimensions: 5.3" x 2.9" x 0.7" (13.5 cm x 7.3 cm x 1.8 cm)
- Weight: 0.42 lbs (190 g)
- 4 ft (1.2 m) drop to steel surface, 2 drops per 6 sides



The HHD connects with AD Series and CO Series locks and accessories via the USB interface

HHD is also compatible with CM, CL, VIP, WA and KC2 Series locks in a serial cable connection.

¹ Verification time is dependent on size of user base

² Classroom/storeroom and office function not available with mortise deadbolt option.

³ Not available on exit trim

Mechanical specifications

Chassis	Cylindrical	Mortise	Exit trim
Handing	Handed to order, field reversible		
ANSI standard (Meets or exceeds)	A156.25 A156.2 Series 4000 Grade 1	A156.25 A156.13 Series 1000 Grade 1	A156.25 A156.3
Door thickness	1 3/4" standard, 1 3/8" to 2 3/4" optional (available in 1/8" increments)		
Backset	Standard: 2 3/4" Optional: 2 3/8", 3 3/4", 5"	2 3/4" only	Defined by exit device
Latch bolt	Standard: 1/2" throw Optional: 3/4" throw	Standard: 3/4" throw Optional: 1" throw on mortise deadbolt	Provided by exit device
Levers	Pressure cast zinc, plated	Steel, plated	Steel, plated
Strike	Standard: 1 3/16" lip, ANSI, 1 1/4" x 4 7/8" Optional: Additional configurations available please see price book		Provided by exit device
Cylinder and keys	Schlage 6-pin Everest 29 S123 keyway cylinder with two patented keys standard Additional options available including Standard, SPIC, FSIC and competitor brands		

Multi-technology reader specification

Frequency	125 kHz proximity and 13.56 MHz smart card
Standards	ISO standard 15693 and ISO 14443
Maximum read range	Up to 1.25" on 125 kHz proximity, up to 0.75" on 13.56 MHz smart card
125 kHz compatibility	Schlage Proximity, XceedID™ Proximity, HID® Proximity, GE/CASI ProxLite®, AWID® Proximity, LenelProx®
13.56 MHz compatibility	Schlage MIFARE® Secure Sector, XceedID™ MIFARE® Secure Sector, aptiQ™ smart cards using MIFARE DESFire™ EV1 with PACSA; PIV and PIV-I ^{3,4}
13.56 MHz compatibility (serial number only)	DESFire® CSN, HID iCLASS® CSN, Inside Contactless PicoTag® CSN, MIFARE®, MIFARE DESFire™ EV1, ST Microelectronics® CSN, Texas Instruments Tag-It® Serial Number, Phillips I-Code® CSN
125 kHz compatible XceedID credentials	125 kHz clamshell, ISO card, ISO card with magnetic stripe, keyfob, and PVC disk (7000 Series)
13.56 MHz compatible aptiQ™ credentials	aptiQ™ smart cards using MIFARE® in clamshell, ISO card, ISO card with magnetic stripe, Keyfob and PVC Patch (9000 Series); aptiQ™ smart cards using MIFARE DESFire™ EV1 in clamshell, ISO card, ISO card with magnetic stripe, keyfob, and PVC disk (8000 Series)
Certifications/standards	FCC, UL 294 Listed, ISO standard 15693, and ISO standard 14443
Style/layout	Option for 12 button, 3x4 matrix backlit keypad

¹ Request-to-exit switch optional for future network migration

² Narrow design and reversible rim exits not compatible

³ 75 bit output format default. Configurable to other output formats. Check with access control provider for specific support.

⁴ Smart card functionality dependant on access control software

⁵ Please refer to aptiQmobile compatibility chart for a list of certified devices

AD Series exit trim

Installed with a universal mounting plate, the AD Series exit trim is compatible with the following exit devices:

- Von Duprin 98/99 & 98/99XP¹
Rim, surface vertical rod, mortise, Concealed vertical cable and concealed vertical rod on metal doors only.
- Von Duprin 22/22F¹
Rim, surface vertical rod
- Falcon 25¹ - Rim
- Sargent® 80² Series - Rim
- Precision™ 21 Rim
2100 converts to 21 with Precision's BP21 kit
- Corbin Russwin® 5000 Series - Rim
- Yale® 7000 - Rim
- Dorma® 9300 - Rim

Benefits of AD Series multi-technology readers:

- Reads both proximity (125 kHz) and smart (13.56 MHz) technologies with single device
- AD Series multi-technology readers are NFC compatible⁵
- Allows end user to migrate to more secure credentials over time and as budgets permit

Additional readers

Magnetic stripe

- Now available with choice of insertion or swipe style readers
- Triple track reader (1, 2 or 3), field configurable
- ABA, ISO76XX Standard
- Option for 12 button, 3x4 matrix backlit keypad

Keypad

- Backlit keypad
- 12 button, 3x4 matrix

Available AD Series reader modules



Multi-technology

- Proximity
- Smart card

■ KEYPAD

FIPS 201-1 compliant option available (FMK)



Multi-technology

- Proximity
- Smart card



Magnetic stripe (insertion)

- KEYPAD



Magnetic stripe (insertion)



Magnetic stripe (swipe)

- KEYPAD



Magnetic stripe (swipe)



Keypad

Ordering information

Available through one of our GSA schedule 84 approved distributors; BAA options available

AD-200-CY-70-MG-SPA-626-PD-S123-RH-4B-13-049-10-025-1 3/4

Series	Class	Chassis	Function	Reader	Lever style	Finish	Lever cylinder	Keying type	Handing	Battery	Backset and latch	Strike	Door thickness
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Selections correspond with the numbers above

Standards options are indicated in bold. See price book for specific configuration options.

3	Chassis
CY	Cylindrical
MS	Mortise
MD	Mortise deadbolt
993R	Exit trim – Rim/CVC/CVR
993S	Exit trim – SVR
993M	Exit trim – mortise
993DT	Non-functioning dummy trim for exit
4	Function
70	Classroom/storeroom
50	Office
40	Privacy
60	Apartment
5	Reader
KP	Keypad
MG	Magnetic stripe (insertion)
MGK	Magnetic stripe + keypad (insertion)
MS	Magnetic stripe (swipe)
MSK	Magnetic stripe + keypad (swipe)
MT	Multi-technology (125kHz and 13.56 MHz)
MTK	Multi-technology + keypad (125kHz and 13.56 MHz)
FMK	FIPS 201-1 compliant multi-technology + keypad (125 kHz and 13.56 MHz)
DT	Dummy trim

6	Lever
SPA	Sparta
RHO	Rhodes
ATH	Athens
TLR	Tubular
Available with knurled surface	
7	Finish
626	Satin chrome
605	Bright brass
606	Satin brass
612	Satin bronze
619	Satin nickel
625	Bright chrome
643e	Aged bronze
626AM	Satin chrome antimicrobial
8	Lever cylinder type
PD	Schlage 6-pin full cylinder
See price book for other SFIC, FSIC and Less Cores options available. Compatible with Schlage, Sargent, Corbin, Medeco and Yale.	
9	Keyway type
S123	Everest 29
See price book for other available keyway options including master keying	
10	Handling
RH	Right handed
LH	Left handed
Field reversible	
11	Battery

4B	4AA
8B	8AA
12	Backset and latch or armor front
Cylindrical	
13-049	2 3/4" backset, deadlatch, square corner, 1 1/8" x 2 1/4"
Mortise	
09-663	Armor front, 1 1/4" wide, square corner
See price book for mortise deadbolt and other backset and latch options or armor front options	
13	Strike
Cylindrical	
10-025	1 3/16" lip, ANSI, no box, 1 1/4" x 4 7/8"
Mortise	
10-072	1 3/16" lip, 1 1/4" x 4 7/8" square corner, box
See price book for other available strikes	
14	Door thickness
1 3/4"	
Other thicknesses available between 1 3/8" and 2 3/4"	
See price book for detail	

Lever styles

Standard cylinders shown, SFIC and FSIC also available.



Sparta

Rhodes

Athens

Tubular

Finishes

Warm tone finishesCool tone finishes



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ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Answered By: _____

Date: _____

NGG LTD., INC
1850 CRAIGSHIRE RD.
ST. LOUIS, MISSOURI, 63146

NGG

CHANGE ORDER REQUEST

NGG PROJECT NUMBER: 10047

PROJECT NAME: WEBSTER UNIVERSITY

OWNER:

DATE OF CHANGE ORDER: 1/20/2017

CHANGE ORDER NUMBER: 10047-007

SUBCONTRACT FOR:

Glass & Glazing

TO: Paric - Attn: Jason Szachnieski

CHANGE ORDER AMOUNT: ADD: \$ 1,226.63

DEDUCT: \$ -

CHANGE ORDER TOTAL: ADD: \$ 1,227

ORIGINAL CONTRACT SUM WAS.....
NET BY PREVIOUS CHANGE ORDERS.....
CONTRACT SUM PRIOR TO THIS CHANGE ORDER.....
CURRENT CHANGE ORDER AMOUNT.....
NEW CONTRACT AMOUNT INCLUDING THIS CHANGE ORDER WILL BE.....
THE SCHEDULE WILL BE CHANGED BY 0 DAYS.....

\$	-
\$	-
\$	1,226.63
\$	1,226.63
	-

ORIGIN: RFI-378

DESCRIPTION:

ADDED ADDITIONAL KEYPAD LOCK TO DOOR #174

Change to Trilogy
\$1600
0 = (\$560.20)

CHANGE ORDER DETAILS (ADDS)

DESCRIPTION	Material/Labor	Allow Markup	TOTAL
See attached break down for specifics	\$ 1,226.63		\$ 1,226.63
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
TOTAL	\$ 1,226.63	\$ -	\$ 1,226.63

CHANGE ORDER DETAILS (DEDUCTS)

DESCRIPTION	Material/Labor	Allow Markup	TOTAL
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
TOTAL	\$ -	\$ -	\$ -

Paric

BY:

TITLE:

DATE:

NGG Ltd., Inc.

BY:

Daniel Ward - Project Manager

DATE:

1/20/17

PROJECT	WEBSTER UNIVERSITY						
SUBJECT	ADDED A KEYPAD LOCK TO DOOR 174 PER RFI 378						
DESCRIPTION	QTY	UNIT		RATE / UNIT PRICE		SUBTOTAL	OH/M TOTAL
ENGINEERING							
STRUCTURAL CALCULATIONS / RESOLUTION		HRS	@	\$100.00	=	\$0.00	\$0.00
DRAFTING (DETAILS & ELEVATIONS)		HRS	@	\$75.00	=	\$0.00	\$0.00
PRECONSTRUCTION SERVICES MANAGER		HOURS	@	\$100.00		\$0.00	\$0.00
MATERIAL							
			@		=	\$0.00	\$0.00
Keypad lock	1	Pcs	@	\$996.00	=	\$996.00	\$149.40
		Lot	@		=	\$0.00	\$0.00
		Lot	@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
Sales Tax Exempt			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
			@		=	\$0.00	\$0.00
Ironworkers							
		HRS	@	\$88.28	=	\$0.00	\$0.00
		HRS	@	\$88.28	=	\$0.00	\$0.00
Carpenters		HRS	@		=	\$0.00	\$0.00
1 man	1	HRS	@	\$81.23	=	\$81.23	\$81.23
			@		=		
EQUIPMENT							
BOOM / SCISSOR RENTAL (DAY)		LUMP	@	\$715.00	=	\$0.00	\$0.00
DELIVERY / PICKUP		LUMP	@	\$50.00	=	\$0.00	\$0.00
TAX (EQUIPMENT ONLY)		LUMP	@		=	\$0.00	\$0.00
GRAND TOTAL							
						\$1,077.23	\$149.40
							\$1,226.63

(695)

[illegible]

Heading #: 20b				closer side	
1 PR Door: 150				EAB CONNECTOR from CORRIDOR RHRA/LHR	
2-3' 0" x 7' 2" x 1 3/4" WDD/HMP					
6 EA	Hinge	5BB1HW 4-1/2" x 4-1/2"		652	(HI-2) Ives
1 EA	Electrified Multi-Point Lock	LM9291EL 06A	LM9291ELEL 06A	626	(LO-6) Schlage
1 EA	Electrified Multi-Point Lock	LM9295EL T 06A	LM9295ELTEL 06A	626	(LO-7) Schlage
2 EA	Cylinder	20-740		626	(CY-1) Schlage
2 EA	Surface Closer	4040XP MC Rw/PA		AL	(CL-5) LCN Closers
2 EA	Wall Stop	WS401CCV		826	(ST-1) Ives
2 EA	Silencer	SR64-GRY			(SI-1) Ives
2 EA	Electric Power Transfer	EPT10 CON		SP28	(EA-1) Von Duprin
2 EA	Wire Harness	CON-192P			(EA-2) Von Duprin
2 EA	Position Switch	679-05HM			(EA-3) Schlage Electronic Security
1 EA	Power Supply	PS904 900-4RL			(PS-1) Von Duprin
CON-192 will NEED TO BE SPICED IN FIELD FOR THIS OPENING.					
HARDWARE FINISH TO MATCH HARDWARE FINISH IN EAB. VERIFY FINISH					

Lynn Grossman, AIA

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8729 • M 314.288.5257
cannondesign.com

From: Keith Berglund [mailto:keith.berglund@dciusa.com]

Sent: Tuesday, January 10, 2017 3:07 PM

To: Gates, Devin <ddgates@paric.com>; Szachnieski, Jason <JRSzachnieski@paric.com>; Craig A. Miller, Sr. <craigmiller29@webster.edu>; 'Tom Becker' <tomb@faithgroupllc.com>; Patel, Kelvin <kpatel@CANNONDESIGN.COM>; 'Jim Ward' <wardji@webster.edu>; Grossman, Lynn <lgrossman@CANNONDESIGN.COM>; Ray, Steve <rray@paric.com>

Cc: Jeff Byrd <jeff.byrd@dciusa.com>

Subject: RE: Webster - Hardware schedules

Devin,

Per the email with Jason and Craig Miller, Sr. and after reviewing both door schedules it does appear that there are two (2) sets of doors (292.1 and C170) missing electrified hardware. Jason has requested Cannon to verify.

Thanks,

Keith

Keith Berglund | [Dynamic Controls Inc.](#) | Project Manager

Main Office: 314 925 4800 | Direct Office: 314 925 4815 | Mobile: 314 915 0859 | Fax: 314 925 4801

Email: keith.berglund@dciusa.com | Internet: www.dynamiccontrolsinc.com | Address: 2310 Ball Drive, St. Louis, MO 63146

 Please consider the environment before printing this email

From: Gates, Devin [<mailto:ddgates@paric.com>]

Sent: Tuesday, January 10, 2017 2:21 PM

To: Szachnieski, Jason <JRSzachnieski@paric.com>; Craig A. Miller, Sr. <craigmiller29@webster.edu>; 'Tom Becker' <tomb@faithgroupplc.com>; 'Patel, Kelvin' <kpatel@CANNONDESIGN.COM>; 'Jim Ward' <wardji@webster.edu>; 'Grossman, Lynn' <lgrossman@CANNONDESIGN.COM>; Ray, Steve <sray@paric.com>

Cc: Keith Berglund <keith.berglund@dciusa.com>; Jeff Byrd <jeff.byrd@dciusa.com>

Subject: RE: Webster - Hardware schedules

All,

Just to recap what was discussed in the meeting, we will be looking for an ASI which addresses these changes/corrections.

Thanks,

DEVIN GATES

SENIOR PROJECT ENGINEER

Cell: 314-348-8828

Main: 636-561-9500

77 Westport Plaza, Suite 250
St. Louis, MO 63146

PARIC.COM



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From: Szachnieski, Jason

Sent: Wednesday, January 04, 2017 1:57 PM

To: Craig A. Miller, Sr.; 'Tom Becker'; 'Patel, Kelvin'; 'Jim Ward'; Gates, Devin; 'Grossman, Lynn'; Ray, Steve

Cc: 'Keith Berglund'; 'Jeff Byrd'

Subject: RE: Webster - Hardware schedules

Craig,

See my comments below in red:

JASON SZACHNIESKI, PE, LEED® AP

SENIOR PROJECT MANAGER

Direct: 636-561-9608

Main: 636-561-9500

77 Westport Plaza, Suite 250
St. Louis, MO 63146

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From: Craig A. Miller, Sr. [<mailto:craigmiller29@webster.edu>]
Sent: Wednesday, January 4, 2017 12:15 PM
To: 'Tom Becker'; 'Patel, Kelvin'; 'Jim Ward'; Gates, Devin; 'Grossman, Lynn'; Szachnieski, Jason; Ray, Steve
Cc: 'Keith Berglund'; 'Jeff Byrd'
Subject: FW: Webster - Hardware schedules

All,

Please refer to the email listed below from Keith of Dynamic Controls. We need clarifications before the card access system can be delivered to the job site. Please contact me ASAP so we can meet with Keith and the hardware vendor regarding this issue. Thanks!

CAM Sr.

From: Keith Berglund [<mailto:keith.berglund@dciusa.com>]
Sent: Tuesday, December 20, 2016 2:57 PM
To: Gates, Devin <ddgates@paric.com>
Cc: Craig A. Miller, Sr. <craigmiller29@webster.edu>; Jeff Byrd <jeff.byrd@dciusa.com>
Subject: RE: Webster - Hardware schedules

Devin,

I have review the Door Hardware scheduled (Dated 9/7/2016), try to match up with Access Control Drawings with last revision ASI-035 and noticed that there are discrepancies. I have include Craig Miller, Sr (Webster Project Manager) on this email as well .

Listed them below are the discrepancies please advise if there is a change order or revised door schedule coming out:

Door 292.1 shows a card reader on prints, door hardware references heading # 6a.1 AL –Cores only no electrified hardware **Agreed, specifications and hardware schedule do not address card reader. ASI#35 shows card reader. Cannon please advise.**

Door 137 shows a card reader on print, door hardware references heading # 13a.1 AL –Cores only no electrified hardware **Disagree – specifications and hardware schedule show electrified strike.**

Door 235 shows a card reader on print, door hardware references heading # 13a.1 AL –Cores only no electrified hardware **Same as door #137**

Door 231 shows a card reader on print, door hardware references heading # 13b AL – Cores only no electrified hardware **Same as door #137**

Door 472.1 shows a card reader on print, door hardware references heading # 14 AL – core only no electrified hardware **Same as door #137**

Door 283.1 shows a card reader on print, door hardware references heading # 14 AL – core only no electrified hardware **Same as door #137**

Door 291.1 shows a card reader on print, door hardware references heading # 14 AL – core only no electrified hardware **Same as door #137**

Door 374A shows a card reader on print, door hardware references heading # 14 AL – core only no electrified hardware **Same as door #137**

Door 383.1 shows a card reader on print, door hardware references heading # 14 AL – core only no electrified hardware **Same as door #137**

Door 388.1 shows a card reader on print, door hardware references heading # 14 AL – core only no electrified hardware **Same as door #137**

Door 483.1 shows a card reader on print, door hardware references heading # 14 AL – core only no electrified hardware **Same as door #137**

Door C153 shows a card reader on print, door hardware references heading # 20b AL – core only no electrified hardware **Disagree, hardware schedule and specifications show electrified hardware for dogged exit devices.**

Door C170 shows 2 card readers on print (In and Out) on print, door hardware references heading # 20c no electrified hardware **Agreed, hardware schedule and specifications do not show electrified hardware. Cannon please advise.**

Door C230A shows a card reader on the print, door hardware references heading 29 AL – core only no electrified hardware **Same as C153**

Door C250 shows a card reader on the print, door hardware references heading 30 AL – Core only no electrified hardware **I think you mean door C250A, and same comment as door C153.**

Thanks,

Keith

Keith Berglund | [Dynamic Controls Inc.](#) | Project Manager

Main Office: [314 925 4800](#) | Direct Office: [314 925 4815](#) | Mobile: [314 915 0859](#) | Fax: [314 925 4801](#)

Email: keith.berglund@dciusa.com | Internet: www.dynamiccontrolsinc.com | Address: 2310 Ball Drive, St. Louis, MO 63146

 Please consider the environment before printing this email

From: Gates, Devin [<mailto:ddgates@paric.com>]
Sent: Monday, December 19, 2016 9:13 AM
To: Keith Berglund <keith.berglund@dciusa.com>
Subject: Webster - Hardware schedules

Keith,

Jason asked that I send you the hardware schedules for this project. These may be altering a little due to some owner requests, I will send you those changes as they come in. Let me know if you have any questions.

File kicked back due to size, the submittals are available at the following link;
https://www.dropbox.com/sh/ffpi73a6h8wz8kb/AABq0-4lwYFHuO_z8beI7cgka?dl=0

Thanks,

DEVIN GATES

SENIOR PROJECT ENGINEER

Cell: 314-348-8828

Main: 636-561-9500

77 Westport Plaza, Suite 250
St. Louis, MO 63146

PARIC.COM



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From: Szachnieski, Jason
Sent: Wednesday, December 14, 2016 1:08 PM
To: Gates, Devin
Subject: Hardware schedules

Devin,

Can you please email Keith with DCI (Card attached) the approved hardware schedules for Negwer and NGG?

Thanks,
Jason

JASON SZACHNIESKI, PE, LEED® AP

SENIOR PROJECT MANAGER

Direct: 636-561-9608

Main: 636-561-9500

77 Westport Plaza, Suite 250
St. Louis, MO 63146

PARIC.COM



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From: Szachnieski, Jason

Sent: Wednesday, December 14, 2016 1:07 PM

To: Szachnieski, Jason

Subject:

NGG LTD., INC
1850 CRAIGSHIRE RD.
ST. LOUIS, MISSOURI, 63146

NGG

CHANGE ORDER REQUEST

NGG PROJECT NUMBER: 10047

PROJECT NAME: WEBSTER UNIVERSITY

OWNER:

DATE OF CHANGE ORDER: 1/24/2017

CHANGE ORDER NUMBER: 10047-009

SUBCONTRACT FOR:
Glass & Glazing

TO: Paric - Attn: Jason Szachnieski

CHANGE ORDER AMOUNT: ADD: \$ 967.31

DEDUCT: \$ -

CHANGE ORDER TOTAL: ADD: \$ 967

ORIGINAL CONTRACT SUM WAS.....	\$ -
NET BY PREVIOUS CHANGE ORDERS.....	\$ -
CONTRACT SUM PRIOR TO THIS CHANGE ORDER.....	\$ -
CURRENT CHANGE ORDER AMOUNT.....	\$ 967.31
NEW CONTRACT AMOUNT INCLUDING THIS CHANGE ORDER WILL BE.....	\$ 967.31
THE SCHEDULE WILL BE CHANGED BY <u>0</u> DAYS.....	-

ORIGIN: *Lynn Grossman email dated 1/11/17*

DESCRIPTION:

CHANGES TO DOOR 292.1

CHANGE ORDER DETAILS (ADDS)

DESCRIPTION	Material/Labor	Allow Markup	TOTAL
See attached break down for specifics	\$ 967.31		\$ 967.31
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
TOTAL	\$ 967.31	\$ -	\$ 967.31

CHANGE ORDER DETAILS (DEDUCTS)

DESCRIPTION	Material/Labor	Allow Markup	TOTAL
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
TOTAL	\$ -	\$ -	\$ -

Paric

BY: _____

TITLE: _____

DATE: _____

NGG Ltd., Inc.

BY: *[Signature]*
Daniel Ward - Project Manager

DATE: *1/24/17*

PROJECT	WEBSTER UNIVERSITY							
SUBJECT	CHANGES TO DOOR 292.1							
DESCRIPTION	QTY	UNIT		RATE / UNIT PRICE		SUBTOTAL	OH/M	TOTAL
ENGINEERING								
STRUCTURAL CALCULATIONS / RESOLUTION		HRS	@	\$100.00	=	\$0.00		\$0.00
DRAFTING (DETAILS & ELEVATIONS)		HRS	@	\$75.00	=	\$0.00		\$0.00
PRECONSTRUCTION SERVICES MANAGER		HOURS	@	\$100.00		\$0.00		\$0.00
MATERIAL								
			@		=	\$0.00	\$0.00	\$0.00
Lock change and additional EPT	1	Pcs	@	\$675.00	=	\$675.00	\$101.25	\$776.25
		Lot	@		=	\$0.00	\$0.00	\$0.00
Lock and EPT door prep (US Alum)	1	Lot	@	\$75.50	=	\$75.50	\$11.33	\$86.83
			@		=	\$0.00	\$0.00	\$0.00
			@		=	\$0.00	\$0.00	\$0.00
			@		=	\$0.00	\$0.00	\$0.00
			@		=	\$0.00	\$0.00	\$0.00
			@		=	\$0.00	\$0.00	\$0.00
			@		=	\$0.00	\$0.00	\$0.00
			@		=	\$0.00	\$0.00	\$0.00
			@		=	\$0.00	\$0.00	\$0.00
Sales Tax Exempt			@			\$0.00	\$0.00	\$0.00
			@		=	\$0.00	\$0.00	\$0.00
			@			\$0.00	\$0.00	\$0.00
			@			\$0.00	\$0.00	\$0.00
Ironworkers					=			
		HRS	@	\$88.28	=	\$0.00		\$0.00
		HRS	@	\$88.28	=	\$0.00		\$0.00
Carpenters		HRS	@		=	\$0.00		\$0.00
1 man	1	HRS	@	\$81.23	=	\$81.23		\$81.23
			@					
EQUIPMENT								
BOOM / SCISSOR RENTAL (DAY)		LUMP	@	\$715.00	=	\$0.00	\$0.00	\$0.00
DELIVERY / PICKUP	1	LUMP	@	\$20.00	=	\$20.00	\$3.00	\$23.00
TAX (EQUIPMENT ONLY)		LUMP	@		=	\$0.00	\$0.00	\$0.00
GRAND TOTAL						\$851.73	\$115.58	\$967.31

CANNONDESIGN

Architect's Supplemental Instructions

Architect's Project No:
04561.01

Architect's ASI No: 044

Project:
Webster University
Interdisciplinary Science
Building

Date Issued: 01/10/2017

Contract Date: 06/24/2016

Reason Code: 06 Owner's Scope

Discipline Code: 03 Electrical

Owner:
Webster University

Architect:
Cannon Design
1100 Clark Avenue
St. Louis, MO 63102

Contractor:
Paric Construction

Contract For: General Construction

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect within fourteen (14) business days of the date of issuance of these instructions. If you feel a change in Contract Sum or Contract Time is warranted, please submit an itemized quotation for the changes for approval within fourteen (14) business days of the date of issuance of these instructions prior to proceeding on the Work. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change.

Attachments:

Drawings:

E0101.A and E0102.A

Attached revised markups for submittal 087100.03-001 for door 150.

Door XC 270A.1 – Hardware: this door already includes automatic opener – we will mark up submittal 087100.01-001 REV1 (received 01/11/17) to change actuators to wireless type.

1100 Clark Avenue
St. Louis, Missouri
63102
T: 314.241.6250
F: 314.241.2570
www.cannondesign.com

Reason Codes:
#1. Jurisdictional Agency
#2. Constructor Driven
#3. Document Inconsistency
#4. Fast Track Driven
#5. A/E Scope
#6. Owners Scope
#7. Unforeseeable Conditions
#8. Other

Discipline Codes
#1. Demo-demolition
#2. Div1-Division 1 items on the spec book
(this item is not used)
#3. Electrical
#4. Elevator
#5. Equipment (Changes in equipment,
Owner Purchased)
#6. Fire Protection

Discipline Codes
#7. General Construction (Architectural)
#8. General Conditions (Div. 1)
#9. HVAC
#10. Other
#11. Plumbing
#12. Site Work/Landscaping
#13. Structural

Architect's Supplemental Instructions

Page 2

Description:

Please submit an itemized proposal for changes in contract Sum and Contract Time for proposed modifications to the Contract Documents described herein:

SHEET E0101.A LEVEL 01 AREA A FLOOR PLAN – ELECTRICAL & AUXILIARY

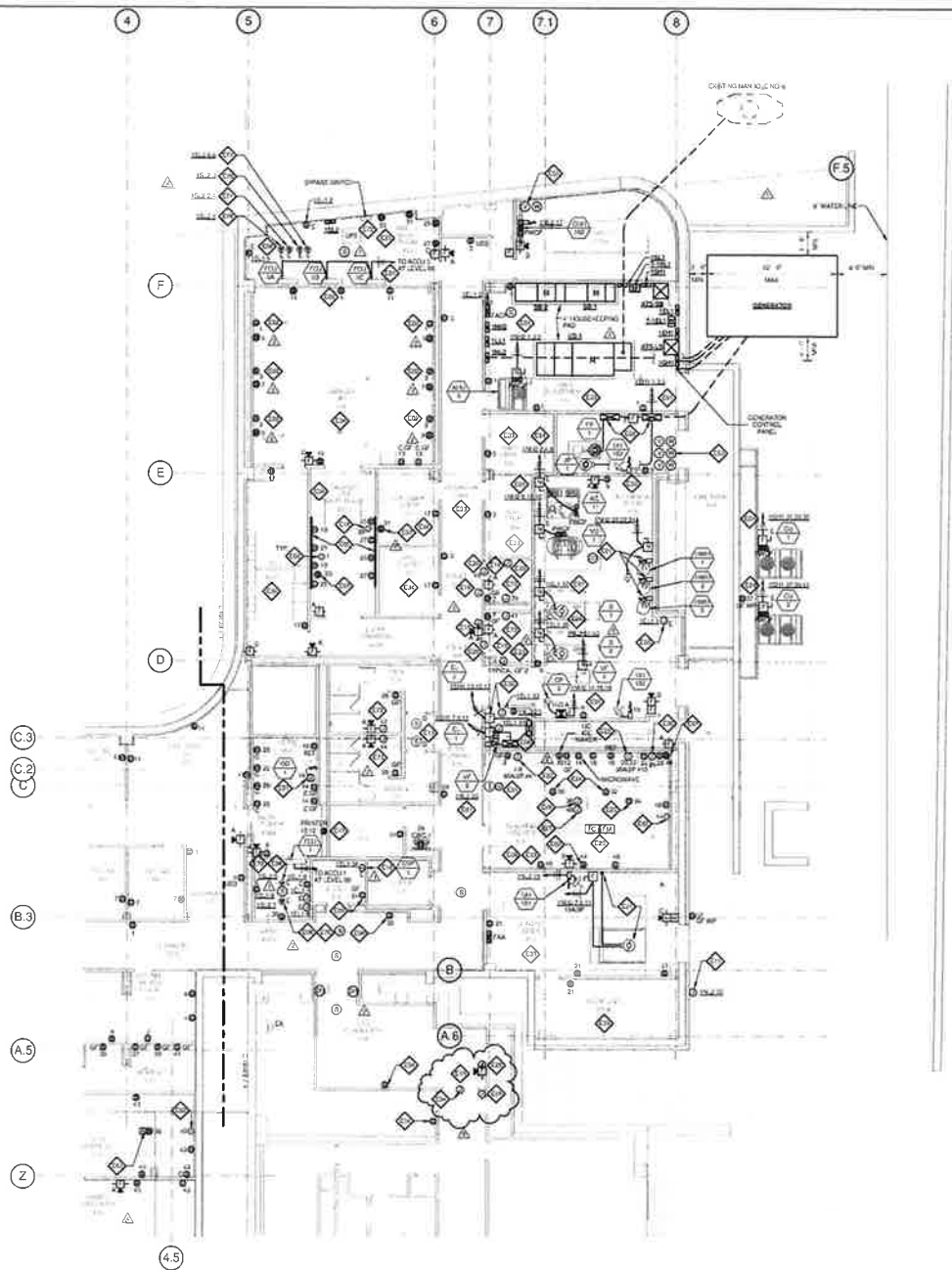
- In EAB Connector 150, provide motorized door opener to serve door 150 and connect to existing circuit serving area.

SHEET E0102.A LEVEL 02 AREA A FLOOR PLAN – ELECTRICAL & AUXILIARY

- In EAB Connector C270A, provide motorized door opener to serve door XC270A.1 and connect to circuit 46 serving adjacent door.

Issued by Architect: Mark de la Fuente, William Tao & Associates, Inc.
Kelvin Patel & Lynn Grossman, CannonDesign.

Accepted by Contractor:



1 LEVEL 01 - AREA A - FLOOR PLAN - POWER AND AUXILIARY

GENERAL NOTES:

- A. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES. WHERE LOCATIONS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, COORDINATE LOCATION AND ORIENTATION OF DEVICES IN FIELD WITH ARCHITECT PRIOR TO ROUGH IN.
- B. ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.
- C. ALL DEVICES TO REMAIN ARE INDICATED WITH A THIN SOLID LINE. WEIGHT AND ELEVATION. ELEVATION SHALL BE TO FACE UNLESS NOTED OTHERWISE.
- D. CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS EXPECTING THE EXISTENCE OF WORK. FAILURE TO BE ACQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.
- E. PROVIDE FACE PLATES ON ALL 4 BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILING. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- F. WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH IN. EXPOSED CONDUIT SHALL BE ROUTED TO STRUCTURE.
- G. ALL SINGLE PHASE BRANCH CIRCUITS SHOWN SHALL HAVE DEDICATED NEUTRALS TO MEET NEC SECTION 210.4 MULTI-WIRE BRANCH CIRCUIT REQUIREMENTS.
- H. ALL 120V BRANCH CIRCUITS ON THIS SHEET SHALL BE FED FROM PANEL 1011 UNLESS NOTED OTHERWISE.

KEYED NOTES

- E01 REFER TO EQUIPMENT DATA SCHEDULE FOR BRANCH CIRCUIT INFORMATION.
- E02 PROVIDE NEW RECEPTACLE FOR MONITOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND TECHNOLOGY PLANS.
- E03 PROVIDE NEW TWO SECTION ALUMINUM RAYMO AL 4200 WITH RECEPTACLES MOUNTED 36" ON CENTER UNLESS NOTED OR SHOWN OTHERWISE. PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND LENGTH. SEE DETAILS ON SHEET 0402.
- E04 OUTLET SHALL BE MOUNTED TO THE BACK SIDE OF THE TELECOMMUNICATIONS RACK AND FED FROM ABOVE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH TELECOMMUNICATIONS CONTRACTOR PRIOR TO INSTALLATION.
- E05 OUTLET FOR RACK MOUNTED AV EQUIPMENT. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND AV DRAWINGS.
- E06 OUTLET FOR DIGITAL SIGNAGE. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND AV DRAWINGS.
- E07 MOUNT RECEPTACLE IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR.
- E08 UNDERCOUNTER REFRIGERATOR. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL PLANS AND ELEVATIONS.
- E09 PROVIDE POWER AND FINAL CONNECTION TO WALL MOUNTED BLUE LIGHT EMERGENCY INTERCOM STATION.
- E10 PROVIDE A DUCT MOUNTED SMOKE DETECTOR(S) AT RETURN AIR GRILLE OF AHU 1 & AHU 2. BOTH AIR HANDLING UNITS SHALL SHUT DOWN UPON ACTIVATION OF THE DUCT MOUNTED SMOKE DETECTOR(S). PROVIDE REMOTE INDICATOR LIGHT(S) IN CEILING BELOW.
- E11 PROVIDE NEMA 2 20A 250V RECEPTACLE FOR PRINTER. CONTRACTOR SHALL VERIFY PRINTER PLUG TYPE WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN.
- E12 PROVIDE POWER AND FINAL CONNECTION TO ELEVATOR PUMP PUMP. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH IN.
- E13 PROVIDE POWER AND FINAL CONNECTION TO ELECTRIC DOOR OPENER. COORDINATE POWER REQUIREMENTS WITH DOOR INSTALLER PRIOR TO ROUGH IN.
- E14 PROVIDE POWER AND FINAL CONNECTION TO ELECTRIC DOOR OPENER CONTROLS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH IN.
- E15 PROVIDE POWER AND FINAL CONNECTION TO DOOR LEVELER AND CONTROLS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. COORDINATE CONTROLS AND DISCONNECT LOCATION WITH DOOR LEVELER INSTALLER PRIOR TO INSTALLATION.
- E16 PROVIDE POWER AND FINAL CONNECTION TO DISH WASHER. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- E17 PROVIDE POWER AND FINAL CONNECTION TO DOUBLE OVEN. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- E18 RECEPTACLE MOUNTED IN COUNTER APRON. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATION.
- E19 RECEPTACLE MOUNTED INSIDE CABINET FOR COMPUTER. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR ADDITIONAL INFORMATION.
- E20 PROVIDE POWER AND FINAL CONNECTION TO DROP IN COOK TOP. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- E21 PROVIDE POWER AND FINAL CONNECTION TO ISLAND HOOD. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- E22 REFER TO KITCHEN EQUIPMENT DRAWINGS FOR MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES IN THIS ROOM AND FOR POWER REQUIREMENTS PRIOR TO ROUGH IN.
- E23 PROVIDE FIRE ALARM MONITOR MODULE AND CONTROL MODULE CONNECTED TO FIRE ALARM SYSTEM AT HOOD. PROVIDE WIRING BETWEEN HOOD AND FIRE SUPPRESSION SYSTEM. REFER TO KITCHEN HOOD EXTINGUISHING SYSTEM WIRING DIAGRAM ON SHEET 0402.
- E24 PROVIDE FIRE PROTECTION SYSTEM INTERCONNECT EXHAUST FANS AND MAKE UP AIR FANS TO MICRO SWITCH IN FIRE PROTECTION CABINET. REFER TO KITCHEN HOOD EXTINGUISHING SYSTEM WIRING DIAGRAM.
- E25 PROVIDE 1 BOX AND CONDUIT IN WALL FOR REMOTE MANUAL PULL STATION. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- E26 PROVIDE POWER MODULE SWITCH FOR ELEVATOR AND A JUNCTION BOX WITH A 120V/90A CIRCUIT FOR CONNECTION OF ELEVATOR CONTROLS. PROVIDE ALL FINAL CONNECTIONS TO ELEVATOR CONTROLLER AND ELEVATOR CAR PER MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- E27 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 1012.
- E28 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 1011.
- E29 COORDINATE QUANTITY AND LOCATION OF TAMPER AND FLOW SWITCHES WITH FIRE PROTECTION CONTRACTOR.
- E30 EXTEND CIRCUIT FROM EXISTING RECEPTACLES SERVING THIS AREA.
- E31 PROVIDE POWER TO BUILDING AUTOMATION SYSTEM PANEL. COORDINATE LOCATION WITH AUTOMATION CONTRACTOR.
- E32 SEE ELEVATOR DETAIL ON SHEET 0402 FOR ADDITIONAL POWER & FIRE ALARM REQUIREMENTS.
- E33 FIRE PUMP CONTROLLER AND JOCKEY PUMP CONTROLLER SEE ONE LINE DIAGRAM FOR FURTHER INFORMATION.
- E34 PROVIDE 4" RTR CLASS 150 4 GPM MULTI SERVICE STEEL RIGID HOOD BOX EQUAL TO WIRMOLO CAT NO RFB43 FC WITH A DRIPS FLANGED COVER CAT NO RFB43 FC. THE FLOOR BOX SHALL HAVE ALL NECESSARY MOUNTING BRACKETS FOR 60 25A DUPLEX RECEPTACLE. (1) CANNOT DATAWAGE (SEE TECHNOLOGY DRAWINGS FOR SERVICE TYPE) (1) GAGE. ANY SET-UP DRAWINGS FOR JOCKEY TYPED. THE BOX SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR.
- E35 PROVIDE NEMA 15 20A 250V TWIST LOCK RECEPTACLE FOR RACK MOUNTED PDU. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY CONTRACTOR.
- E36 PROVIDE NEMA 15 20A 250V TWIST LOCK RECEPTACLE FOR RACK MOUNTED PDU. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY CONTRACTOR.
- E37 UPS AND EXTERNAL BYPASS SWITCH FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO TECHNOLOGY DRAWINGS AND ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- E38 PROVIDE POWER AND FINAL CONNECTIONS FOR ELECTRIC HAND DRYER.

THE SCALE OF THIS DRAWING IS 1/8" = 1'-0". THIS DRAWING IS TO BE USED FOR CONSTRUCTION OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE ARCHITECT TO PROVIDE THE NECESSARY INFORMATION FOR THE CONTRACTOR TO COMPLY WITH THE REQUIREMENTS OF THE BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE ARCHITECT.

Webster
UNIVERSITY

Webster University
Interdisciplinary Science
Building

CANNONDESIGN

1100 Clark Avenue
St. Louis, Missouri 63104
P: 314-241-0555
F: 314-241-2275

William T. Cannon Design, Inc.
1100 Clark Avenue
St. Louis, Missouri 63104
P: 314-241-0555
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David M. Cannon Design, Inc.
1100 Clark Avenue
St. Louis, Missouri 63104
P: 314-241-0555
F: 314-241-2275

Paul Group
1100 Clark Avenue
St. Louis, Missouri 63104
P: 314-241-0555
F: 314-241-2275

Katherine L. Cannon Design, Inc.
1100 Clark Avenue
St. Louis, Missouri 63104
P: 314-241-0555
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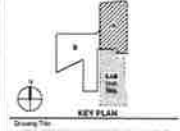
KW Architects
1100 Clark Avenue
St. Louis, Missouri 63104
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F: 314-241-2275

Spelman Group & Company
1100 Clark Avenue
St. Louis, Missouri 63104
P: 314-241-0555
F: 314-241-2275

WBT Design
1100 Clark Avenue
St. Louis, Missouri 63104
P: 314-241-0555
F: 314-241-2275

White Engineering Services, Inc.
1100 Clark Avenue
St. Louis, Missouri 63104
P: 314-241-0555
F: 314-241-2275

ASB 044	10-09-2017
ASB 045	10-09-2018
ASB 046	06-09-2016
ASB 047	25-07-2016
ASB 048	20-07-2016
ASB 049	21-07-2016
ASB 050	19-07-2016
ASB 051	17-08-2016
ASB 052	01-08-2016



LEVEL 01 - AREA A FLOOR PLAN - ELECTRICAL & AUXILIARY

Project No: 04101-01 Client: Webster University

E0101.A

THE CLIENT HAS REVIEWED AND APPROVED THIS DOCUMENT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. IT IS THE CLIENT'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CLIENT'S REVIEW IS LIMITED TO THE INFORMATION PROVIDED BY THE ARCHITECTURAL OR ENGINEERING FIRM.

Webster
UNIVERSITY

Webster University
Interdisciplinary Science
Building

CANNONDESIGN

1102 Oak Avenue
St. Louis, MO 63102
P: 314.241.2570
F: 314.241.2570

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Electrical Engineers
7955 Midway Road, Suite 100
St. Louis, MO 63119
P: 314.861.1100

David Meier & Associates, Inc.
Design & Construction
800 South Vandeventer Avenue
St. Louis, MO 63110
P: 314.541.1000

Perth Group
Technology
3101 S. Hixley Rd, Suite 100
St. Louis, MO 63119
P: 314.941.2000

Mohamed Elmaghrabi, Inc.
Environmental & Safety
7400 Maryland Ave.
St. Louis, MO 63130
P: 314.742.8100

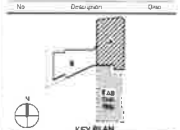
KDA Architects
Architects
2721 Lumsden Road
St. Louis, MO 63116
P: 314.362.2400

Bellman Brady & Company
Interior Designers
8001 Maryland Avenue, Suite 200
St. Louis, MO 63119
P: 314.441.0700

BST Design
Landscape Architecture
7722 St. Bernard Drive
St. Louis, MO 63119
P: 314.441.0700

Web Engineering Services, Inc.
Planning & Design
10000 3rd Street, Suite 100
St. Louis, MO 63119
P: 314.580.0000

1. A01 04	18 JAN 2017
2. A01 05	20 NOV 2016
3. A01 06	18 NOV 2016
4. A01 07	20 OCT 2016
5. A01 08	18 OCT 2016
6. A01 09	17 MAR 2016
7. A01 10	17 MAR 2016



**LEVEL 02 AREA A FLOOR
PLAN - ELECTRICAL &
AUXILIARY**

Project No: 04561.01 Checked by:

E0102.A

1 LEVEL 02 - AREA A - FLOOR PLAN - POWER AND AUXILIARY
1/8" = 1' 0"

GENERAL NOTES:

- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES. WHERE LOCATIONS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, COORDINATE LOCATION AND ORIENTATION OF DEVICES IN FIELD WITH ARCHITECT PRIOR TO ROUGH IN.
- ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.
- ALL DEVICES TO REMAIN ARE INDICATED WITH A THIN SOLID LINE, WEIGHT AND SUBSCRIPT "EX".
- CONTRACTOR SHALL VISIT PRIOR TO ANY SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.
- PROVIDE FACE PLATES ON ALL J-BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILING. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH IN. EXPOSED CONDUIT SHALL BE ROUTED TIGHT TO STRUCTURE.
- ALL SINGLE PHASE BRANCH CIRCUITS SHOWN SHALL HAVE DEDICATED NEUTRALS TO MEET NEC SECTION 210.4 MULTI-WIRE BRANCH CIRCUIT REQUIREMENTS.
- REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT ROUGH IN OF DATA, VOICE AND A/V.

- ALL 120V BRANCH CIRCUITS ON THIS SHEET SHALL BE FED FROM PANEL 2LL1 UNLESS NOTED OTHERWISE.

KEYED NOTES

- REFER TO EQUIPMENT DATA SCHEDULE FOR BRANCH CIRCUIT INFORMATION.
- PROVIDE NEW RECEPTACLE FOR MONITOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND TECHNOLOGY PLANS.
- PROVIDE NEW RECEPTACLE FOR WALL MOUNTED PROJECTOR. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND A/V DRAWINGS.
- PROVIDE NEW TWO SECTION ALUMINUM RACEWAY (W/REMOVAL) 4" X 8" WITH RECEPTACLES MOUNTED 24" ON CENTER (UNLESS NOTED OR SHOWN OTHERWISE). PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND LENGTH. SEE DETAILS ON SHEET 1A02.
- OUTLET SHALL BE MOUNTED TO THE BACK SIDE OF THE TELECOMMUNICATION RACK AND FED FROM ABOVE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH TELECOMMUNICATIONS CONTRACTOR PRIOR TO INSTALLATION.
- OUTLET FOR DIGITAL SIGNAGE. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND A/V DRAWINGS.
- SURFACE RECEPTACLE AT EXTERIOR WINDOWS SHALL BE FED FROM BELOW OR FROM ADJACENT WALL OR COLUMN.
- PROVIDE POWER AND FINAL CONNECTIONS TO PLANE HOOD.
- PROVIDE NEMA 5-30P, 30A 250V RECEPTACLE FOR PRINTER. CONTRACTOR SHALL VERIFY PRINTER PLUG TYPE WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN.
- PROVIDE POWER AND FINAL CONNECTION TO ELECTRIC DOOR OPENER. COORDINATE POWER REQUIREMENTS WITH DOOR INSTALLER PRIOR TO ROUGH IN.
- PROVIDE POWER AND FINAL CONNECTION TO ELECTRIC DOOR OPENER CONTROLS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH IN.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 2LL1.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 2LL2.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 2LL3.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 2LL4.
- PROVIDE POWER AND FINAL CONNECTIONS TO OVERHEAD SERVICE CARRIER. REFER TO LIGHTING PLANS FOR LIGHTING CIRCUITS. COORDINATE WITH ARCHITECTURAL PLANS AND ELEVATIONS.
- COORDINATE QUANTITY AND LOCATION OF TAMPER AND FLOW SWITCHES WITH FIRE PROTECTION CONTRACTOR.
- PROVIDE A 2HR FIRE CLASSIFIED 2 GANG MULTI-SERVICE STEEL RECESSED FLOOR BOX, EQUAL TO WIREMOLD CAT. NO. R7B25 FC WITH A BRASS FLANGED COVER CAT. NO. F7B25. THE FLOOR BOX SHALL HAVE ALL NECESSARY MOUNTING BRACKETS FOR (2) 20A STANDARD DUPLEX RECEPTACLES, NEMA 5-20R. THE BOX SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR.
- PROVIDE A 2HR FIRE CLASSIFIED 4 GANG MULTI-SERVICE STEEL RECESSED FLOOR BOX, EQUAL TO WIREMOLD CAT. NO. R7B25 FC WITH A BRASS FLANGED COVER CAT. NO. F7B25. THE FLOOR BOX SHALL HAVE ALL NECESSARY MOUNTING BRACKETS FOR (2) 20A STANDARD DUPLEX RECEPTACLES, NEMA 5-20R. THE BOX SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR.
- PROVIDE A 2HR FIRE CLASSIFIED 4 GANG MULTI-SERVICE STEEL RECESSED FLOOR BOX, EQUAL TO WIREMOLD CAT. NO. R7B25 FC WITH A BRASS FLANGED COVER CAT. NO. F7B25. THE FLOOR BOX SHALL HAVE ALL NECESSARY MOUNTING BRACKETS FOR (2) 20A STANDARD DUPLEX RECEPTACLES, NEMA 5-20R. THE BOX SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR.
- PROVIDE NEMA L5-20P, 30A 120V TWIST LOCK RECEPTACLE FOR RACK MOUNTED PDU. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY CONTRACTOR.
- PROVIDE POWER AND FINAL CONNECTIONS FOR ELECTRIC HANG OPENER.

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Hardware Schedule

Project ID: JOB001775 - WEBSTER ISB

Heading #: 19b

AL - cores only

1 SGL Door: 233
3' 0" x 7' 2" x 1 3/4" ALD/ALF

1 EA Cylinder 20-740 **note: closer: LCN 4010/4110 DEL MC AS REQ'D** 626 (CY-1) Schlage

Heading #: 20

closer side

1 PR Door: C270
2-3' 0" x 8' 0" x 1 3/4" WDD/HMF (90) **EAB CONNECTOR** from CORRIDOR RHRA/LHR 90

8	EA	Hinge	5BB1HW 4-1/2" x 4-1/2"	652	(HI-2) Ives
2	EA	Fire Rated Conc Vert Rod	QEL RX 9947WDC-L-NL-F 06 996L-NL CON	US26D	(ED-4) Von Duprin
2	EA	Cylinder	20-740	626	(CY-1) Schlage
2	EA	Housing	26-064	626	(CY-2) Schlage
2	EA	Surface Closer	4040XP MC Rw/PA	AL	(CL-5) LCN Closers
2	EA	Wall Stop	WS401CCV	626	(ST-1) Ives
1	EA	Gasketing	188S-CI 72" 96"		(GA-17) Zero International Inc
2	EA	Astragal	328AA 2/86"		(AS-3) Zero International Inc
2	EA	Silencer	SR64-GRY		(SI-1) Ives
2	EA	Electric Power Transfer	EPT10 CON	SP28	(EA-1) Von Duprin
2	EA	Position Switch	679-05HM		(EA-3) Schlage Electronic Security
2	EA	Wire Harness	CON-38P		(EA-5) Von Duprin
1	EA	Power Supply	PS904 900-4RL		(PS-1) Von Duprin

BOTH DEVICES ARE NL TRIM. DT TRIM NOT RECOMMENDED FOR FIRE DEVICES.

Heading #: 20a

AL cores only

1 PR Door: C153
2-3' 0" x 8' 10" x 1 3/4" ALD/ALF

1 EA Cylinder 20-740 626 (CY-1) Schlage

Heading #: 20b

closer side

1 PR Door: 150
2-3' 0" x 7' 2" x 1 3/4" WDD/HMF **EAB CONNECTOR** from CORRIDOR RHRA/LHR

6	EA	Hinge	5BB1HW 4-1/2" x 4-1/2"	652	(HI-2) Ives
1	EA	Electrified Multi-Point Lock	LM9291EL 06A LM9291ELEL 06A	626	(LO-6) Schlage
1	EA	Electrified Multi-Point Lock	LM9295EL T 06A LM9295ELTEL 06A	626	(LO-7) Schlage
2	EA	Cylinder	20-740	626	(CY-1) Schlage
2	EA	Surface Closer	4040XP MC Rw/PA	AL	(CL-5) LCN Closers
2	EA	Wall Stop	WS401CCV	626	(ST-1) Ives
2	EA	Silencer	SR64-GRY		(SI-1) Ives
2	EA	Electric Power Transfer	EPT10 CON	SP28	(EA-1) Von Duprin
2	EA	Wire Harness	CON-192P		(EA-2) Von Duprin
2	EA	Position Switch	679-05HM		(EA-3) Schlage Electronic Security
1	EA	Power Supply	PS904 900-4RL		(PS-1) Von Duprin

CON-192 WILL NEED TO BE SPLICED IN FIELD FOR THIS OPENING.

HARDWARE FINISH TO MATCH HARDWARE
FINISH IN EAB. VERIFY FINISH

ASI 044: This door to have an automatic opener for one active leaf. Provide bronze finish actuators - wall mounted: LCN 8310-818T
- Automatic openers to coordinate with card readers for operation. Confirm that egress is always available from the EAB connector 150 (if door C170 is closed in a fire alarm situation).

From submittal 087100.03-001

Hardware Schedule

Project ID: JOB001775 - WEBSTER ISB

CHANGE DOOR TO HMD
PER DOOR SCHEDULE
MARKS

Heading #: 20c

	1	PR	Door: C170	CORRIDOR to EAB CONNECTOR	RHR/LHR	45
			2-3' 6" x 8' 9" x 1 3/4" WDD/HMF (45)			
			HMD			
8	EA	Pivot	91105F	US32D	(PV-1) Ives	
2	EA	Fire Rated Conc Vert Rod	9447L-BE-F 06 940L-BE	US26D	(ED-5) Von Duprin	
2	EA	Surface Closer	4003T STD TBWMS	AL	(CL-3) LCN Closers	
2	EA	Electromagnetic Holder	SEM7840	AL	(ST-2) LCN Closers	
1	EA	Gasketing	188S-CI 84" 108"		(GA-18) Zero International Inc	
2	EA	Astragal	328AA 2/108"		(AS-4) Zero International Inc	

94 Series INPACT Device for HMD only.
Recommend 9947WDC L-BE-F 06

4'-7" PER DOOR
SCHEDULE MARKS

Heading #: 21

	1	SGL	Door: 100A	WORK COPY to CORRIDOR		
			4'-8" x 7' 4" x 1 3/4" WDD/			
	1	SGL	Door: 200A	WORK/COPY	Pocket	
	1	SGL	Door: 300A	WORK COPY	Pocket	
			5' 2" x 7' 4" x 1 3/4" WDD/			
3	EA	BrioSR150-57GN-1ss-10	Brio SR150-57GN-1SS-106RB			(SL-1) Other
		6RB/94-94P/94PA-180DS				
3	EA	Pocket Door Lock	SD-2001SDL-3-S2002T-S2002			(LO-8) Accurate Lock and Hardware
3	EA	690 Edge Pull	690 Edge Pull	US32D	(LO-9) Other	
3	EA	Housing	26-064	626	(CY-2) Schlage	
3	EA	Cylinder	20-079	626	(CY-3) Schlage	

From submittal 087100.03-001