

PROPOSAL

Design Migration - BLN Network Upgrades

PREPARED BY

Siemens Industry, Inc. ("Siemens")

PREPARED FOR

McLennan Community College

DELIVERED ON

November 28, 2023

SMART BUILDINGS

Transforming the Everyday



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Contact Information

Proposal #:	8327155
Date:	November 28, 2023

Sales Executive:	Michael Nicoletta
Branch Address:	12515-7 Research Blvd, Suite 250 Austin, TX 78759
Telephone:	(512) 945-7607
Email Address:	michael.nicoletta@siemens.com

Customer Contact:	Dianne Feyerherm
Customer:	McLennan Community College
Address:	1400 College Drive Waco, TX 76708-1402
Services shall be provided at:	McLennan Community College 1400 College Drive, Waco, TX 76708-1402

Scope of Work

In order for Siemens' Desigo CC Building Automation System Front-End to be fully functional, compatible and operable within McLennan Community College's network, there are necessary upgrades required. Below is an itemized list of required upgrades, separated out by each of the (15) MCC Building Networks (BLNs).

Note that Building Network No. 11, New Science, does require a panel fast forward. As stated in previous in-person meetings between MCC and Siemens, Siemens is covering all associated parts and labor costs required to complete this fast forward (less the IP network drop) as a carryover from the previous term's Building Automation Contract (2017-2023).

See the below table for a summary of all upgrades required:

Scope of Work	Count	Notes
IP Network Drops Required	15	By MCC IT Dept.
Panels Converted from P2-to-Ethernet	11	Quoted by Siemens
VAEM Licenses Added to Panels	7*	*6 are Quoted by Siemens, 7th Covered by Siemens (New Science)
Physical License Added to Panel	1	
Panel Additions / Modifications	5	Add +1 PXCM - or - convert (1) PXC24->PXC24 w/ Ethernet
Panel Combination	1	Combine existing MEC panel with existing PXCM panel
True Panel Fast Forward	2*	*1 is Quoted by Siemens, 2nd Covered by Siemens (New Science)

Building Network Summary - Changes Modifications, Additions Required

1) AC Building (AC_AEM_BLN)

- Convert BLN to Ethernet Network
- The following three (3) panels require a network drop and a conversion from P2 to Ethernet (1 ea. / panel)
 - ACAHU01PXCM01 -> Located on the 2nd Floor
 - ACAHU03PXCM03 -> Located on the 3rd Floor
 - ACAHU04PXCM04 -> Located on the 3rd Floor
- Siemens asks said network drops be provided by MCC IT's Team
- Siemens shall properly convert the listed (3) panels from P2 to Ethernet

2) CP Building (CP_AEM_BLN)

- Convert BLN to Ethernet Network
- The following two (2) panels require a network drop and a conversion from P2 to Ethernet (1 ea. / panel)
 - CP.MODBUS.MEC01 -> Located on West Wall of Central Plant
 - CP.HWSYS.PXCM03 -> Located Near Boilers
- Siemens asks said network drops be provided by MCC IT's Team
- Siemens shall properly convert the listed (2) panels from P2 to Ethernet

3) Community Services Center (CSCA_AEM_BLN)

- Add one (1) PXC Modular (PXCM) panel -> By Siemens
- Add one (1) additional VAEM License Manager to newly added PXCM panel -> By Siemens
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drop be provided by MCC IT's Team

4) Enrollment Services Center (ESEC_AEM_BLN)

- Convert BLN to Ethernet Network
- The following one (1) panel requires a network drop
 - ESEC.RM169.PXCM03 -> Located in Electric Room on 1st Floor across from RM 154
- A total of two (2) panels requires a conversion from P2 to Ethernet
- Siemens asks said network drop be provided by MCC IT's Team
- Siemens shall properly convert the (2) panels from P2 to Ethernet

5) Fine Arts Building (FINEARTS_AEM_BLN)

- Add one (1) PXC Modular (PXCM) panel -> By Siemens
- Add one (1) additional VAEM License Manager to newly added PXCM panel -> By Siemens
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drop be provided by MCC IT's Team

6) FOB Building (FOB_AEM_BLN)

- Add one (1) PXC Modular (PXCM) panel -> By Siemens
- Add one (1) additional VAEM License Manager to newly added PXCM panel -> By Siemens
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drop be provided by MCC IT's Team

7) Lecture Hall (LH_AEM_BLN)

- Fast Forward one (1) existing PXC24 panel to a PXC Modular (PXCM) panel -> By Siemens
 - Necessary panel I/O modules included By Siemens

8) Michaelis Academic Center (Classroom_Bldg_AEM_BLN)

- Add one (1) VAEM License Manager to existing PXC Modular (PXCM) panel -> By Siemens
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drop be provided by MCC IT's Team

9) McLennan Building (Bldg_F)

- Upgrade one (1) existing PXC24 panel to a PXC24-Ethernet panel -> By Siemens
- A total of two (2) panels requires a conversion from P2 to Ethernet -> By Siemens

10) Mathematics, Wellness & Fitness (MWF_AEM_BLN)

- Add one (1) PAEM (Physical AEM) to existing MEC panel -> By Siemens
 - Utilize MWF.MEC02 -> Currently has an existing modem port
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drop be provided by MCC IT's Team

11) New Science Building (NEW_SCIENCE_AEM_BLN)

100% OF BELOW SCOPE OF WORK (MATERIAL + LABOR), LESS THE IP NETWORK DROP, COVERED BY SIEMENS

- Add one (1) VAEM License Manager to existing PXC Modular (PXCM) panel -> By Siemens
- Fast Forward one (1) existing MEC panel to a PXC Modular (PXCM) panel -> By Siemens
 - Fast Forward the NEW_SCIENCE.AHU303.MEC03 panel
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drop be provided by MCC IT's Team

12) Ball Performing Arts Center (PAC_AEM_BLN)

- Add one (1) VAEM License Manager to existing PXC Modular (PXCM) panel -> By Siemens
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drop be provided by MCC IT's Team

13) Student Center (STUDENTCTR_AEM_BLN)

- Convert BLN to Ethernet Network
- A total of two (2) panels requires a conversion from P2 to Ethernet -> By Siemens

14) Learning Center

- Add one (1) PXC Modular (PXCM) panel -> By Siemens
- Add one (1) VAEM License Manager to above PXC Modular (PXCM) panel -> By Siemens
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drop be provided by MCC IT's Team

15) Liberal Arts

- Combine existing MEC panel (LiberalArts_MEC_1) with existing PXC Modular (PXCM) panel -> By Siemens
- One (1) panel requires a network drop -> Location to be determined
- Siemens asks said network drops be provided by MCC IT's Team

Inclusions & Exclusions

Inclusions

- Arrive and check in with POC and begin working on panel(s)
 - Specific panel(s) to begin work on shall be reviewed and confirmed between Siemens and MCC during pre-con meeting.
- Work shall be performed during normal business hours, Monday - Friday 730am - 4pm
- All existing wire, enclosures, panel power supplies and transformers are assumed to be in acceptable, working condition
- Reuse of existing wire, enclosures, panel power supplies and transformers
- Disconnect existing panel(s) hardware
- Transfer database and programming to replacement panel(s)
- Verify communication and system operation.
- Update graphics (as necessary)

Exclusions

- Required IP Network Drops
- Overtime unless stated otherwise above
- Engineered drawings and permitting 3rd party inspections if required
- Work by other trades unless specifically mentioned above including but not limited to electrical, sprinkler, fire alarm, carpentry, masonry, coring, fire proofing, roofing / sealing, patching and / or painting, etc.
- Cleaning beyond basic housekeeping
- Any items not mentioned in the inclusions above
- Taxes

Pricing Summary

Pricing Summary	Sell Price
Parts Only Parts covered by Siemens	\$ 63,181.23
Labor Only	\$ 63,555.42
Total Price	\$ 63,555.42 \$ 126,736.65

This price is firm for 30 days from the date of this proposal.

Taxes are not included.

This proposal's price is contingent on McLennan also purchasing the 'Science Bldg Rooms #331, 335, 338 Supply & Exhaust Controllers Upgrade' as specified on Siemens Proposal# 7961089 - dated 11/28/2023.

Terms & Conditions Link(s)

Terms and Conditions (Click to download)

[Terms & Conditions \(Unrestricted\)](http://www.siemens.com/standard-terms-project-unrestricted)
(www.siemens.com/standard-terms-project-unrestricted)

Price Escalation. If, during the term of this Contract, the price of various materials or labor or logistics are increased as reflected by CRU/IHS Markit/CMAI/COMEX market index, then Siemens may increase the Contract Sum or apply a surcharge to Customer accordingly.

As a result of the global Covid-19 Virus outbreak, temporary delays in delivery, labor or services from Siemens and its sub-suppliers or subcontractors may occur. Among other factors, Siemens' delivery is subject to the correct and punctual supply from sub-suppliers or subcontractors, and Siemens reserves the right to make partial deliveries or modify its labor or services. While Siemens shall make every commercially reasonable effort to meet the delivery or service or completion date mentioned above, such date is subject to change.

To the extent applicable, the following Rider(s) are incorporated and made part of the Siemens Standard Terms and Conditions:

Riders (Click on rider below to download)

[SI Monitoring Rider](http://www.siemens.com/rider-monitoring)
(www.siemens.com/rider-monitoring)

[SI Online Backup and Data Protection](http://www.siemens.com/rider-data-backup)
(www.siemens.com/rider-data-backup)

[SI UBM or Utility Procurement](http://www.siemens.com/rider-ubm)
(www.siemens.com/rider-ubm)

[SI Software License Warranty](http://www.siemens.com/rider-software-license)
(www.siemens.com/rider-software-license)

[SI Consulting Rider](http://www.siemens.com/rider-consuling)
(www.siemens.com/rider-consuling)

[SI Third Party Rider \(Smart Air Quality™\)](http://www.siemens.com/rider-air-quality)
(www.siemens.com/rider-air-quality)

Signature Page

Proposed by:

Siemens Industry, Inc.

Company

Michael Nicoletta

Name

8327155

Proposal #

\$ 63,555.42

Proposal Amount

November 28, 2023

Date

Accepted by:

Company

Name (Printed)

Signature

Title

Date

Purchase Order # PO for billing/pmnt only PO not required