



December 22, 2016

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-067 - ASI#40 - Pole for Emergency Call Box and PA Speaker

Dear Craig A. Miller Sr:

Paric Corporation proposes to complete the following additional work for the additive sum of Fourteen Thousand Seven Hundred Twenty Dollars And Forty-Eight Cents \$14,720.48 .

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

- PCI-E-0071 (ASI#40 - Pole for Emergency Call Box & PA speaker), Total \$ 14,720.48

The owner contingency shall be utilized for this change proposal.

**Proposed Change Proposal Total: \$14,720.48**

If this change proposal meets with your approval, please sign and return this proposal for our records by January 20, 2017 at the latest. If accepted this scope will be incorporated into a change order.

Sincerely,

Paric Corporation

Jason Szachnieski  
Project Manager

Accepted:

Date: 2/6/2017  
Craig A. Miller Sr  
Webster University

Declined:

\_\_\_\_\_

Date: \_\_\_\_\_  
Craig A. Miller Sr  
Webster University

**PROJECT MANAGEMENT - CHANGE ITEM DETAIL REPORT****15051 - 15051-Webster University Interdisciplinary Science Building**

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-0071 | ASI#40 - Pole for Emergency Call Box & PA speaker |                                      |               | 14,720.48                                         | 13-JAN-17                                                                      |       |           |               |             | 14,720.48        | 14,720.48        |          |
| <b>Vendor Name</b>                            |            | <b>Description</b>                                |                                      |               |                                                   |                                                                                |       |           |               |             |                  |                  |          |
| Guarantee Electrical Construction Co          | 15051      | 16000.001 S                                       | Electrical Sub                       | 9,519.00      | ASI#40 - Pole for Emergency Call Box & PA speaker | Provide ASI#40 Electrical changes per GECCO proposal dated 1/12/17. Add \$9519 |       |           |               |             |                  |                  |          |
| KCI Construction                              | 15051      | 03110.000 S                                       | Concrete Foundation Sub              | 776.00        | ASI#40 - Pole for Emergency Call Box & PA speaker | Provide footing per ASI#40 and KCI proposal dated 1/5/17. Add \$776            |       |           |               |             |                  |                  |          |
| Icon Mechanical Construction & Engineering, I | 15051      | 15500.001 S                                       | Mechanical Sub                       | 3,480.00      | ASI#40 - Pole for Emergency Call Box & PA speaker | Provide ASI#40 revisions per ICON proposal dated 1/5/17. Add \$3,480           |       |           |               |             |                  |                  |          |
|                                               | 15051      | 03359.912 L                                       |                                      | 257.48        | ASI#40 - Pole for Emergency Call Box & PA speaker | Cleanup - 4 hrs at \$64.37/hr = \$257.48                                       |       |           |               |             |                  |                  |          |
| PARIC                                         | 15051      | 23100.001 M                                       | Risk Management (1.1%)               | 154.00        | ASI#40 - Pole for Emergency Call Box & PA speaker | Risk Management                                                                |       |           |               |             |                  |                  |          |
| PARIC                                         | 15051      | 23150.005 M                                       | Contractor Default Insurance (1.25%) | 175.00        | ASI#40 - Pole for Emergency Call Box & PA speaker | Contractor Default Insurance                                                   |       |           |               |             |                  |                  |          |
| PARIC                                         | 15051      | 23300.001 F                                       | Fee (2.5%)                           | 359.00        | ASI#40 - Pole for Emergency Call Box & PA speaker | Contractor Fee                                                                 |       |           |               |             |                  |                  |          |
| <b>Total For EXT</b>                          |            |                                                   | <b>0.00</b>                          | <b>0.00</b>   | <b>14,720.48</b>                                  |                                                                                |       |           |               |             | <b>14,720.48</b> | <b>14,720.48</b> |          |
| <b>Grand Total:</b>                           |            |                                                   | <b>0.00</b>                          | <b>0.00</b>   | <b>14,720.48</b>                                  |                                                                                |       |           |               |             | <b>14,720.48</b> | <b>14,720.48</b> |          |

**END OF REPORT**

## Report Parameters

|                    |        |                 |             |
|--------------------|--------|-----------------|-------------|
| Job:               | 15051  | Project Code:   |             |
| From Change Order: |        | Run Date:       | 10-FEB-17   |
| To Change Order:   |        | Run Time:       | 04:37 PM    |
| Status Code:       |        | Operator:       | JAS39SZA    |
| Report Type:       | DETAIL | Posting Status: | Unposted CI |
| Print Notes:       | Y      | Report Code:    | PM5000      |
| Group By:          | STATUS |                 |             |

E-0071  
CP-61



ELECTRICAL CONSTRUCTION

3415 Bent Avenue St. Louis, MO 63116 ph (314) 772-5400 fx (314) 772-2526 web geco.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 - 040**

1/12/2017

WEBSTER GROVES ISB BUILDING

WEBSTER GROVES ISB BUILDING

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### Work Description

## WEBSTER ISB ASI - 040

### Description

- \* Furnish and install (1) 12' Sternberg RSA 5" Diameter Pole.
- \* Furnish and install (1) new circuit fed from panel 1SL1
- \* Install (1) owner furnished pole mounted PA speaker
- \* Install (1) owner furnished PA Amp.
- \* Pricing contingent upon the approval of ASI # 36

### Exclusions

- \* Provision/installation of the concrete pier found on sheet S003 for speaker pole by others.

**Base bid shall increase by: \$ 9,519.00**

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         | 85  | 41.89      | 5.89       |
| 3/4" EMT STL SS CONN     | 4   | 0.77       | 0.53       |
| 3/4" EMT STL SS CPLG     | 9   | 2.13       | 0.60       |
| 3/4" EMT 1-H STEEL STRAP | 5   | 0.79       | 0.30       |
| 3/4" PVC                 | 45  | 9.08       | 2.52       |
| 3/4" PVC TERM ADAPTER    | 4   | 0.86       | 0.80       |

**ORIGINAL**

# PROPOSED CHANGE ORDER

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77 W PORT PLAZA # 250  
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**ASI - 040**

1/12/2017

WEBSTER GROVES ISB BUILDING

WEBSTER GROVES ISB BUILDING

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| Description                              | Qty          | Total Mat.    | Total Hrs.   |
|------------------------------------------|--------------|---------------|--------------|
| 3/4" PVC COUPLING                        | 8            | 0.99          | 0.60         |
| 1/2" LT FLEX                             | 5            | 5.15          | 0.25         |
| 1/2" LT STRAIGHT CONN                    | 1            | 1.81          | 0.18         |
| 1/2" LT 90 DEG CONN                      | 1            | 3.19          | 0.23         |
| 3/4" GRC 90 DEG ELBOW                    | 4            | 18.68         | 2.00         |
| 3/4" STEEL LOCKNUT                       | 4            | 0.59          | 0.56         |
| 1/2" PLASTIC BUSHING                     | 2            | 0.36          | 0.24         |
| 3/4" PLASTIC BUSHING                     | 2            | 0.32          | 0.34         |
| #8 THHN BLACK                            | 945          | 248.13        | 12.76        |
| # 18 XHHW BLACK                          | 100          | 8.48          | 0.75         |
| #8 XHHW BLACK                            | 83           | 26.34         | 1.14         |
| #18 WIRE POWER TERM                      | 4            | 0.04          | 0.80         |
| # 8 WIRE POWER TERM                      | 1            | 0.01          | 0.25         |
| B2-1 RED WIRE CONN                       | 12           | 2.61          | 0.96         |
| 1/4 PLATED T-ROD                         | 15           | 5.60          | 2.47         |
| 1/4-20 HEX NUT - PLTD STL                | 5            | 0.07          | 0.20         |
| #10x 1 P/H SELF-TAP SCREW                | 8            | 0.93          | 0.32         |
| 812M24 1/2-3/4" CONDUIT 1/4" FLNG        | 4            | 6.83          | 0.25         |
| 4TI24 1/4" ROD 1/4" FLNG HNGR            | 5            | 6.88          | 0.38         |
| 4 11/16" SQ BOX 2 1/8"D COMB KO          | 4            | 9.09          | 1.40         |
| 4 11/16" SQ BLANK COVER                  | 4            | 14.30         | 0.36         |
| 12' STERNBERG POLE                       | 1            | 0.01          | 4.00         |
| CORE DRILL BLDG FOR POWER CONDUIT        | 1            | 28.13         | 8.00         |
| INSTALL OWNER FURNISHED PA SPEAKER       | 1            | 0.01          | 3.00         |
| INSTALL OWNER FURNISHED PA AMP           | 1            | 16.88         | 2.50         |
| CORE DRILL BLDG FOR LV CONDUIT           | 1            | 28.13         | 8.00         |
| UPSIZE CONDUIT FEED FLOOR BOX PWR ASI 36 | 1            | 147.38        | 3.69         |
| <b>Totals</b>                            | <b>1,375</b> | <b>636.46</b> | <b>66.24</b> |

## Summary

|                                                  |                 |
|--------------------------------------------------|-----------------|
| General Materials                                | 636.46          |
| LIGHTING FIXTURES                                | 1,913.83        |
| <b>Material Total</b>                            | <b>2,550.29</b> |
| LU 1 - GF - ST - ELEC (6/1-3/1/16)* @ \$86.60/hr | 287.31          |
| LU 1 - F - ST - ELEC (6/1-3/1/16)* @ \$81.10/hr  | 536.88          |
| LU 1 - JW - ST - ELEC (6/1-3/1/16)* @ \$75.60/hr | 4,507.27        |
| AS-BUILT DRAWINGS                                | 150.00          |
| EXPENDABLES                                      | 12.73           |
| SMALL TOOLS                                      | 159.94          |
| STINGER (/DAY)                                   | 150.00          |
| <b>Subtotal</b>                                  | <b>8,354.42</b> |
| Markup                                           | 835.44          |
| <b>Subtotal</b>                                  | <b>9,189.86</b> |
| EXCAVATION                                       | 330.00          |
| <b>Subtotal</b>                                  | <b>9,519.86</b> |
| Adjustment #1                                    | -0.86           |

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 - 040**

1/12/2017

WEBSTER GROVES ISB BUILDING

WEBSTER GROVES ISB BUILDING

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### Summary (Cont'd)

**Final Amount**

**\$9,519.00**

### CONTRACTOR CERTIFICATION

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

I hereby certify that this quotation is complete and accurate based on the information provided.

### CLIENT ACCEPTANCE

**CCN #: ASI - 040**

**Final Amount: \$9,519.00**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Change Order #:** \_\_\_\_\_

I hereby accept this quotation and authorize the contractor to complete the above described work.

**ORIGINAL**



January 5, 2017

Mr. Jason Szachnieski  
Paric Corporation  
77 Westport Plaza, Suite 250  
St. Louis, MO 63146

**RE: Webster University - COR #020 - Site Wall Changes**

Dear Mr. Szachnieski,

Below is a summary of the cost for the additional work added by RFI's, ASI 40 and additional mark ups on the reinforcing steel shop drawings from the architect after they were approved by the structural engineer and the material was already fabricated.

~~RFI #359 - Item #1 - Install dowels where specified walls butt the existing foundation wall.~~

|                                         |             |
|-----------------------------------------|-------------|
| Iron Workers - 12 hours @ \$85 per hour | \$ 1,020.00 |
| Epoxy - 15 tubes @ \$38.52 per tube     | \$ 577.80   |
| Subtotal                                | \$ 1,597.80 |
| Mark Up - 15%                           | \$ 239.67   |
| Total                                   | \$ 1,837.00 |

~~RFI #360 - Item #2 - Courtyard walls - Modify rebar due to changing the width of footing.~~

|                                       |           |
|---------------------------------------|-----------|
| Iron Worker = 2 hours @ \$85 per hour | \$ 160.00 |
| Mark Up - 15%                         | \$ 24.00  |
| Total                                 | \$ 184.00 |

~~RFI #384 - Step footing around 12" storm sewer and install expansion material around the pipe.~~

|                                                                   |             |
|-------------------------------------------------------------------|-------------|
| Formwork - Carpenter 6 hours @ \$75 per hour                      | \$ 450.00   |
| Install expansion joint mat around pipe - Carp 6 hours @ \$75/ hr | \$ 450.00   |
| Modify rebar - Iron Worker - 4 hours @ \$85 per hour              | \$ 340.00   |
| Expansion joint material                                          | \$ 246.00   |
| Subtotal                                                          | \$ 1,486.00 |
| Mark Up - 15%                                                     | \$ 223.00   |
| Total                                                             | \$ 1,709.00 |

**Additional Mark-Ups on Rebar Drawings**

|                                            |             |
|--------------------------------------------|-------------|
| Additional 879 pounds of reinforcing steel | \$ 335.00   |
| Iron Worker - 8 hours @ \$85.00 per hour   | \$ 680.00   |
| Subtotal                                   | \$ 1,015.00 |
| Mark Up - 15%                              | \$ 152.00   |
| Total                                      | \$ 1,167.00 |



KCI Construction Company, Inc.

ST. LOUIS: 30315 Lake Bluff Drive | St. Louis, MO 63123  
CAMDEN: 5505 Old South St | Camden, MO 65802

O: 314.894.8888  
F: 314.894.7418  
www.kciconstruction.com

ASI #40 – Install 16" x 16" x 3'-6" Concrete Pier

Labor – 5 hours @ \$75 per hour

\$ 375.00

Material – Form work, rebar and concrete

\$ 300.00

Subtotal

\$ 675.00

Mark Up – 15%

\$ 101.00

Total

\$ 776.00



Total Cost of Change:

~~\$5,673.00~~

If you have any questions regarding this proposal, please contact me at your earliest convenience.

Sincerely,

Steve Teipe  
Project Manager  
314-200-3548

Enclosure

Cc: Devin Gates, Paric  
File

A BUILDER, NOT A BROKER.

General Building | Design/Build | Heavy Industrial | Transportation



1616 Cleveland Boulevard • Granite City, IL 62040

January 5, 2017

Paric Corporation  
77 West Port Plaza #250  
St. Louis, MO 63146

**Attn:** Mr. Jason Szachnieski  
**Project:** Webster University ISB  
**Ref:** ASI - 40

Dear Jason,

We are pleased to submit our change proposal associated with the Webster University ISB Project. The changes covered by this change order as follows:

**Price for Above Listed Addendum:** **\$3,480**

**The above price included:**

- **Pipe Fitter Labor: 3hrs @ Contract Rate:** ~~\$94.33/hr~~  
\$283
- **Material Cost:** \$75
- **Misc./CAD:** \$75
- **Controls Additions:** \$2,630
- **OH&P:** \$417

Thank you for giving us the opportunity to submit on this scope change. We wish you success and look forward to continued involvement. If there are any questions or if we can be of further assistance, please contact me.

Sincerely,  
**icon Mechanical**  
Alex Chambers

## BUILDING AUTOMATION SYSTEM PROPOSAL

|                      |                                                    |                     |                                                                                               |
|----------------------|----------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------|
| <b>To:</b>           | Icon Mechanical                                    | <b>Date:</b>        | 12/22/2016                                                                                    |
| <b>Project Info:</b> | Webster University – ISB / HVAC Controls – ASI-040 | <b>Prepared By:</b> | Justin Vogt<br><a href="mailto:jmvogt@automaticcontrols.net">jmvogt@automaticcontrols.net</a> |

### Project Description:

- Automatic Controls Equipment Systems (ACES) is pleased to provide the enclosed proposal. ACES will provide all necessary engineering, software, hardware, project management, commissioning, programming, and warranty for the scope of work below. Webster University's existing Automated Logic server and software will be utilized to access and control the system. This proposal is based upon the ASI-040.

### Scope of Work:

#### Process Chilled Water HX

1. Use and existing DDC controller located in the mechanical room.
2. Provide and wire a new 1.5" 2-position HX control valve. (Valve installed by Icon)
3. DDC programming per the sequence of operations and graphics.

**The Total Cost for the work stated above is .....\$2,630.00**

### Scope Inclusions:

1. Automatic Controls has included programming, startup and checkout of system.
2. Automatic Controls has included web based graphical representation of system points.
3. Automatic Controls has included electrical labor and material for BAS installation.
4. Automatic Controls has included control panels as required.
5. Automatic Controls has included user's manual consisting of the following:
  - I/O schedule
  - Description of system operation
  - Programming manual
  - Wiring tie-in diagram
  - Product literature
6. Automatic Controls has included a one (1) year warranty, commencing on the date of owner acceptance by owner for automation system material and labor as supplied by Automatic Controls.

### Scope Exclusions:

1. Automatic Controls has excluded any sales taxes.
2. Automatic Controls has excluded overtime work.
3. Automatic Controls has excluded testing and balancing.
4. Automatic Controls has excluded performance and/or payment bonds.
5. Automatic Controls has excluded cutting, patching, or painting.
6. Automatic Controls has excluded providing or Power wiring to VFD's, starters, and disconnects, unless mentioned above.
7. Automatic Controls has excluded installation of valves, wells, dampers, or taps for pressures sensors.
8. Automatic Controls has excluded any work associated with fire/smoke damper wiring or interlock wiring.

Thank you for your consideration of Automatic Controls for this project. We look forward to working with you and your team. Please feel free to contact me anytime with questions or for any clarifications or scope modifications.

Sincerely,

Justin Vogt

**PROCEED AS INDICATED:**

**ACES**

**CUSTOMER:**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Customer Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

## Terms and Conditions

**1. PAYMENT AND TAXES** – Payment shall be made net 30 days from date of invoice. Automatic Controls Equipment Systems ("ACES") reserves the right to require cash payment or other alternative method of payment prior to shipment or completion of work if ACES determines, in its sole discretion, that Customer or Customer's assignee's financial condition at any time does not justify continuance of the net 30 days payment term. In addition to the price, the Customer shall pay ACES any taxes or government charges arising from this Agreement. If Customer claims any such taxes do not apply to transactions covered by this Agreement, Customer shall provide ACES with acceptable tax exemption certificates. Payment for service agreements shall be due and payable in advance of services being rendered.

**2. SCOPE OF WORK/EXCLUSIONS** – Repair to building construction, plastering, patching and painting are excluded. Customer agrees to provide ACES with required field utilities (electricity, toilets, drinking water, receiving dock, project hoist, elevator service, etc.) without charge. ACES agrees to keep the job site clean of debris arising out of its own operations. Customer shall not back charge ACES for any costs or expenses without ACES' written consent. Unless specifically noted in the statement of the scope of work or services undertaken by ACES under this Agreement, ACES' obligations under this agreement expressly exclude any work or service of any nature associated or connected with the identification, abatement, clean up, control, removal, or disposal of environmental hazards or dangerous substances, to include but not be limited to asbestos or PCBs ("Hazards"), discovered in or on the premises. Any language or provision of the agreement elsewhere contained which may authorize or empower the Customer to change, modify, or alter the scope of work or services to be performed by ACES shall not operate to compel ACES to perform any work relating to Hazards without ACES' express written consent. Services performed at customer's direction outside of the scope of this proposal will be billed at our scheduled rates.

**3. EXTRAS** – Work and material in addition to or different from that stated herein, and changes in drawings, specifications or time of performance, shall be considered as extras, and shall entitle ACES to an adjustment in the contract price and the delivery schedule.

**4. EMERGENCY SERVICE WORK** – If emergency service is performed at Customer's request and inspection does not reveal any defects for which ACES is liable under this Agreement, Customer shall pay for such work at ACES' prevailing time and material rate.

**5. SHIPMENT/PARTIAL SHIPMENT/RETURNS** – All product shipments shall be F.C.A. shipping point (Incoterms 2010), freight prepaid and allowed to the job site. Shipment dates quoted are approximate. ACES does not guarantee a particular date for shipment or delivery. ACES shall have the right to ship any portion of equipment, goods or other materials included in this Agreement and invoice Customer for such partial shipment. No goods will be accepted for return without prior written authorization. Returned goods may be subject to a restocking charge. Special order and non-stock items cannot be returned.

**6. DELAYS** – ACES shall not be liable for any delay in the performance of the work resulting from or attributed to acts or circumstances beyond ACES' control, including, but not limited to, acts of God or of the public, acts of government, acts of terrorism, fire, floods, epidemics, freight embargoes, unusually severe weather, riots, strikes or labor disputes, conditions of the premises, acts or omissions of the Customer, Owner or other contractors, or delays caused by suppliers or subcontractors ("Force Majeure Event(s)"). In the event ACES is delayed in manufacturing, shipping, delivery or any other performance under this Agreement by a Force Majeure Event and without the fault or negligence of ACES, ACES agrees to notify Customer in writing as soon as practicable of the causes of such delay, and ACES shall further be entitled to an extension of the time equivalent to the duration of any such delay and a reasonable time in which to recover from said delay to resume performance. In the event any materials or equipment to be provided by ACES under this Agreement becomes permanently unavailable as a result of a Force Majeure Event, ACES shall be excused from furnishing said materials or equipment.

**7. WARRANTY** – ACES warrants to Customer that the Work performed by ACES hereunder will comply in all material respects with the attached Scope of Work or Statement of Services and will be free from material defects in workmanship. ACES warrants that all equipment manufactured by ACES and all ACES equipment, parts or components supplied hereunder will be free from material defects. ACES shall at its option repair or replace, F.C.A. point of sale (Incoterms 2010), any equipment, part or component sold by ACES and determined to be defective within one (1) year from the date of acceptance. ACES does not warrant products not manufactured by ACES, but it does pass on to Customer any available manufacturer's warranty for such products. ACES warrants that all services provided by ACES hereunder shall be performed in a workmanlike manner. In the event any such service is determined to be defective within ninety (90) days of completion of that service, ACES shall at its option re-perform or issue a credit for such service. ACES' obligations as set forth herein shall be Customer's exclusive remedy. ACES shall not be responsible for labor charges for removal or reinstallation of defective equipment, parts or components, for charges for transportation, handling and shipping, or for repairs or replacement of such equipment, parts or components required as a consequence of faulty installation when not installed by ACES, misapplication, vandalism, abuse, exposure to chemicals, improper servicing, unauthorized alteration or improper operation by persons other than ACES. **THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

**8. WORKING HOURS** – All services performed under this Agreement including major repairs, are to be provided during ACES' normal working hours unless otherwise agreed in writing.

**9. CHANGE ORDERS/ADDITIONAL WORK** – ACES will not perform additional work until such time as ACES receives a change order, duly executed by each party, setting forth the scope and an agreed upon price for the additional work, as well as any appropriate adjustments to the delivery schedule. Additional work and/or materials supplied under any change order shall be subject to the terms of this Agreement.

**10. CUSTOMER RESPONSIBILITIES** – Customer shall: provide safe and reasonable access to the job site and equipment being serviced, and a safe work environment; keep areas adjacent to equipment free of extraneous material, move any stock, fixtures, walls, partitions, ceilings, enclosures or such other property as may be necessary to perform the specified work; promptly notify ACES of any unusual operating conditions; operate any equipment supplied hereunder properly and in accordance with instructions; identify and label any asbestos containing material that may be present. The Customer will provide, in writing, prior to the start of a job, a signed statement regarding the absence or presence of asbestos for any job where the building or the equipment to be serviced is older than 1981. Should this document state that no asbestos is present, the Customer will also provide in writing the method used to determine the absence of asbestos. If online service via modem is being provided, the Customer shall provide and maintain, at Customer's cost, a voice grade dial-up telephone line or internet connection installed in a mutually agreed upon location.

**11. LIMITATION OF LIABILITY** – Under no circumstances shall ACES be liable for any incidental, special or consequential damages, including loss of revenue, loss of use of equipment or facilities, loss of data, or economic damages based on strict liability or negligence. ACES shall be liable for damage to property, other than equipment provided under this Agreement, and to persons, to the extent that ACES' negligent acts or omissions directly contributed to such injury or property damage. ACES' maximum liability for any reason (except for personal injuries) shall consist of the refunding of all moneys paid by Customer to ACES under this Agreement.

**12. TERMINATION FOR CONVENIENCE** – In the event Customer terminates this Agreement through no fault of ACES or for Customer's convenience, Customer shall provide prior written notice of termination and agrees to pay ACES for all material furnished or manufactured, labor performed and services provided up to the date of termination, all out-of-pocket costs (including but not limited to any restocking or other charges owed to any supplier) and including a reasonable profit.

**13. CUSTOMER TERMINATION FOR DEFAULT** – Customer shall have the right to terminate this Agreement for ACES' default provided ACES fails to cure such default within 30 days after having been given prior written notice of the default. Upon early termination or expiration of this Agreement, ACES shall have free access to enter Customer locations to disconnect and remove any and all ACES-owned parts, tools and personal property. Additionally, Customer agrees to ACES for all incurred but unamortized service costs performed by ACES including overhead and a reasonable profit.

**14. ACES TERMINATION** – ACES reserves the right to discontinue its service or performance under this Agreement any time payments have not been made as agreed or if alterations, additions or repairs are made to equipment during the term of this Agreement by others without prior agreement between Customer and ACES. Should Customer fail to make payment in accordance with the terms of this Agreement and such failure continues without cure for a period of five (5) days following Customer's receipt of written notice of such payment default, ACES may terminate this Agreement without liability. Customer agrees to pay all costs of collection, including reasonable attorneys' fees and legal expenses incurred by ACES in collecting payments due hereunder.

**15. CLAIMS** – Any suits against ACES arising from the performance or nonperformance of this Agreement by ACES, whether based upon contract, negligence, strict liability or otherwise, shall be brought within one (1) year from the date the claim arose.

### 16. GOVERNMENT PROCUREMENTS

- (a) The components, equipment and services provided by ACES under this Agreement are "commercial items" as defined in Section 2.101 of the Federal Acquisition Regulations ("FAR"), and the prices of such components, equipment and services are based on ACES' commercial pricing policies and practices (which do not consider any special requirements of U.S. Government cost principles, FAR Part 31, or any similar procurement regulations). As such, ACES will not agree to provide or certify cost or pricing data, nor will ACES agree to comply with the Cost Accounting Standards (CAS). In addition, no federal government procurement regulations, such as FARs or DFARS, shall apply to this Agreement except those regulations expressly accepted in writing by ACES.
- (b) Where ACES is subcontractor, ACES is agreeing to perform a private subcontract for the sale of a commercial item on a fixed-price basis to Customer (a private entity) and as such there shall be no FARs, DFARS, CFRs, or any other federal government procurement regulations of any kind which apply to this Agreement, except those regulations expressly accepted in writing by ACES. In addition, ACES will not agree to provide or certify cost or pricing data nor will ACES agree to comply with the CAS. Carrier refers to FAR 52.244-6, "Subcontracts for Commercial Items and Commercial Components."

**17. HAZARDOUS MATERIALS** – If ACES encounters any Hazards while performing this Agreement, ACES may suspend its work and remove its employees from the project, until such Hazards associated with it are abated. The time for ACES' performance shall be extended accordingly, and ACES shall be compensated for the delay.

**18. OCCUPATIONAL SAFETY AND HEALTH** – ACES and Customer agree to notify each other immediately upon becoming aware of an inspection under, or any alleged violation of, the Occupational Safety and Health Act ("OSHA") relating in any way to the performance of work under this Agreement, the project or the job site.

**19. ENTIRE AGREEMENT, ASSIGNMENT and MODIFICATION** - This Agreement contains the complete and exclusive statement of the agreement between the parties and supersedes all previous or contemporaneous, oral or written, statements. Customer may assign this Agreement only with ACES' prior written consent. No change, modification, amendment or waiver of any of the terms or conditions of this agreement shall be binding upon the parties unless made in writing and duly executed by both parties hereto. This Agreement shall be construed and governed by the internal substantive laws of the State of Missouri.

**20. CUSTOMER CONSENT** - Customer consents and agrees that ACES may, from time to time, publicize ACES related projects with Customer, including the value of such projects, in all forms and media for advertising, trade, and any other lawful purposes.

## Architect's Supplemental Instructions

**Architect's Project No:** 04561.01 **Architect's ASI No:** 040

**Project:**  
Webster University  
Interdisciplinary Science  
Building

**Date Issued:** 12/09/2016

**Contract Date:**

**Reason Code:** 06

**Discipline Code:** 03,09,07,13

**Owner Scope**

General  
Construction  
(Architectural),  
Electrical, HVAC,  
Telecom,  
Structural.

St. Louis  
Baltimore  
Boston  
Buffalo  
Calgary  
Chicago  
Houston  
Los Angeles  
Mumbai  
New York  
Phoenix  
San Francisco  
Shanghai  
Toronto  
Vancouver  
Victoria  
Washington DC

**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:

#### Sheets:

S0003, A0508.C, M0401, E0001, T0101.A, T0101.B, T0102.A, T0103.A, T0104.A

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:

1. S0003 – TYPICAL DETAILS
  - A. Detail 4 – ADD concrete pier in courtyard for post supporting speaker.
2. A0508.C – COURTYARD WALLS & STAIRS – NORTH
  - A. Added pole to mount 'Emergency Call Box' and 'Outdoor PA speaker'.
3. E0001 – ELECTRICAL SITE PLAN
  - A. Add circuit for emergency call box.
  - B. Add 12' pole for outdoor speaker and call box.
  - C. Add Keyed Note L41 to drawing.
  - D. Coordinate pole pre-drilling locations with owner provided equipment.
4. M0401 – DIAGRAM - MECHANICAL
  - A. Add a 2-position control valve at HX-1 as shown on piping diagram.
5. T0101.A – LEVEL 01 FLOOR PLAN – AREA B
  - A. Moved PA location from wall to ceiling.
  - B. Revised keyed note 13 to reflect this change.
6. T0101.B – LEVEL 01 FLOOR PLAN – AREA B
  - A. Moved P.A. speaker from wall to pole. Added P.A. amplifier above ceiling.
  - B. Revised keyed notes to reflect these changes.
7. T0102.A – LEVEL 02 FLOOR PLAN – AREA B
  - A. Moved PA location from wall to ceiling.
  - B. Revised keyed note 6 to reflect this change.
8. T0103.A – LEVEL 03 FLOOR PLAN – AREA B

## Architect's Supplemental Instructions

Page 3

- A. Moved PA location from wall to ceiling.
- B. Revised keyed note 4 to reflect this change.

9. T0104.A – LEVEL 04 FLOOR PLAN – AREA B

- A. Moved PA location from wall to ceiling.
- B. Revised keyed note 3 to reflect this change.

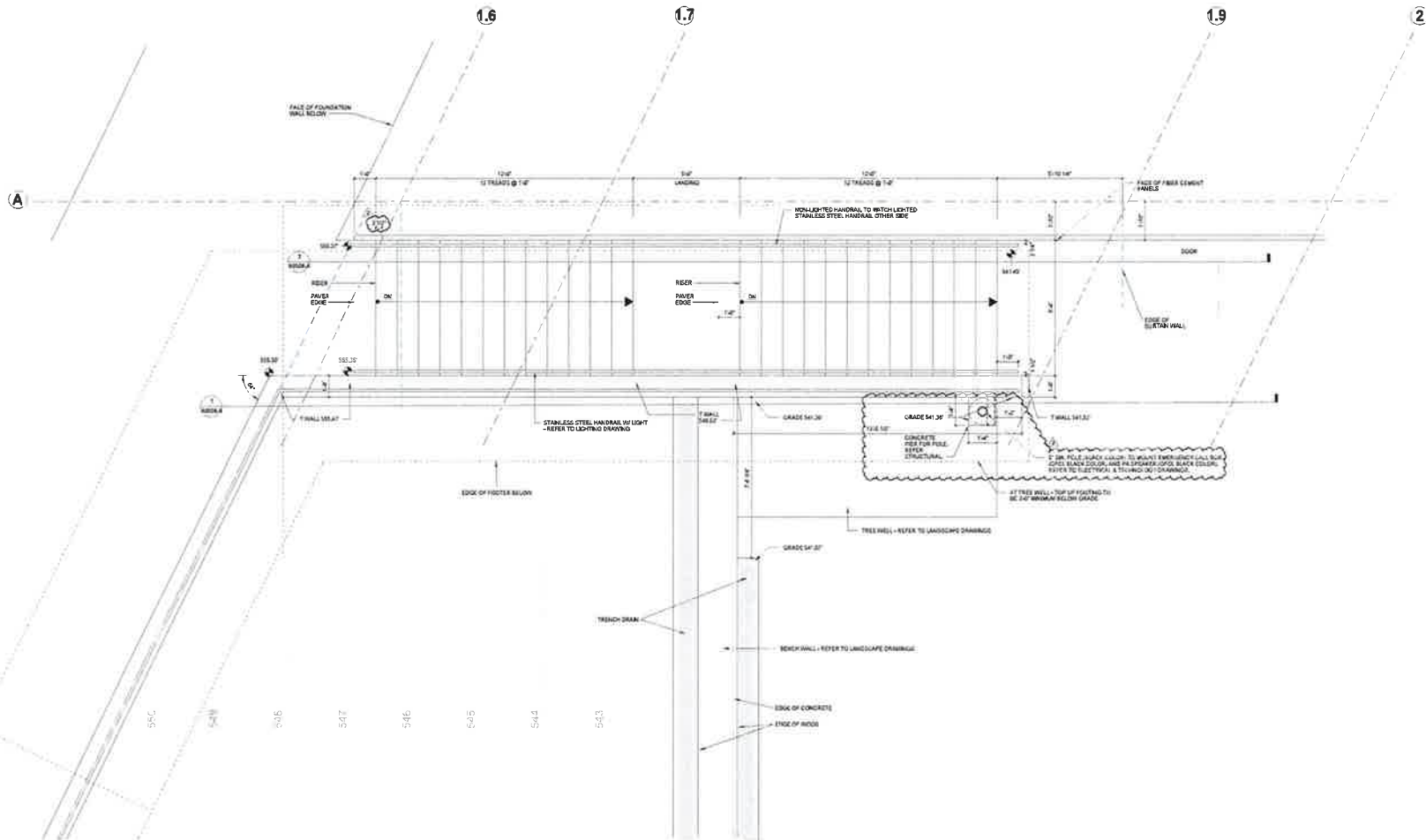
**Issued by Architect:**

Kelvin Patel, CannonDesign  
Jill Walker, DMA  
Mark de la Fuente, William Tao & Associates, Inc.  
Tom Becker, Faith Group.

**Accepted by Contractor:**

---





| CONTROL DIAGRAM LEGEND |                               |        |                          |        |                                   | GENERAL NOTES FOR ALL SHEETS |                                                            |
|------------------------|-------------------------------|--------|--------------------------|--------|-----------------------------------|------------------------------|------------------------------------------------------------|
| SYMBOL                 | DESCRIPTION                   | SYMBOL | DESCRIPTION              | SYMBOL | DESCRIPTION                       | SYMBOL                       | DESCRIPTION                                                |
|                        | SUPPLY OR EXHAUST AIR VALVE   |        | VARIABLE FREQUENCY DRIVE |        | VACUITY BACKDRAFT DAMPER          |                              | TEMPERATURE SENSOR                                         |
|                        | MOTOR OPERATED CONTROL DAMPER |        | 2-WAY CONTROL VALVE      |        | HEAT EXCHANGER                    |                              | HUMIDITY SENSOR                                            |
|                        | FILTER                        |        | 3-WAY CONTROL VALVE      |        | VARIABLE AIR VOLUME TERMINAL UNIT |                              | CARBON MONOXIDE SENSOR                                     |
|                        | COOLING COIL                  |        | FLOW MEASURING DEVICE    |        | PNEUMATIC ACTUATOR                |                              | CARBON DIOXIDE SENSOR                                      |
|                        | HEATING COIL                  |        | PUMP                     |        | SMOKE DETECTOR                    |                              | OUTDOOR RELATIVE HUMIDITY SENSOR                           |
|                        | FAN                           |        | DIRECTION OF FLOW        |        | FREEZE STAT                       |                              | BUILDING STATIC PRESSURE SENSOR                            |
|                        |                               |        |                          |        |                                   |                              | NORMALLY OPEN (CONTROLLED DEVICE POSITION WITHOUT POWER)   |
|                        |                               |        |                          |        |                                   |                              | NORMALLY CLOSED (CONTROLLED DEVICE POSITION WITHOUT POWER) |

THE SYMBOLS AND NOTATIONS APPLY ONLY TO THE EQUIPMENT TO WHICH THEY ARE APPLIED AND DO NOT IMPLY ANY WARRANTY OR RESPONSIBILITY ON THE PART OF THE ARCHITECT OR ENGINEER FOR THE CORRECTNESS OF THE INFORMATION CONTAINED HEREIN.



Webster University  
Interdisciplinary Sciences  
Building

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Mechanical Engineer

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314.694.7801

David Mearns & Associates, Inc.  
Mechanical & Civil Engineer

100 South Vandeventer Avenue  
St. Louis, MO 63125  
314.234.1055

Paul Group  
Architectural Firm

1311 E. Henry St., Suite 400  
St. Louis, MO 63110  
314.861.5555

Kurtz & Associates, P.C.  
Mechanical Engineer & Designer

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KWA Architects  
Architectural Firm

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Spillman Brandy & Company  
Interior Designer

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BMT Design  
Mechanical Engineer

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314.544.5700

Wells Engineering & Services, Inc.  
Mechanical Engineer

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314.544.5700

2 ADR-06 03 DEC 2015  
1 ADR-07 03 NOV 2016  
ISSUED FOR CONSTRUCTION (BPD) 03 NOV 2016  
No. Revision Date

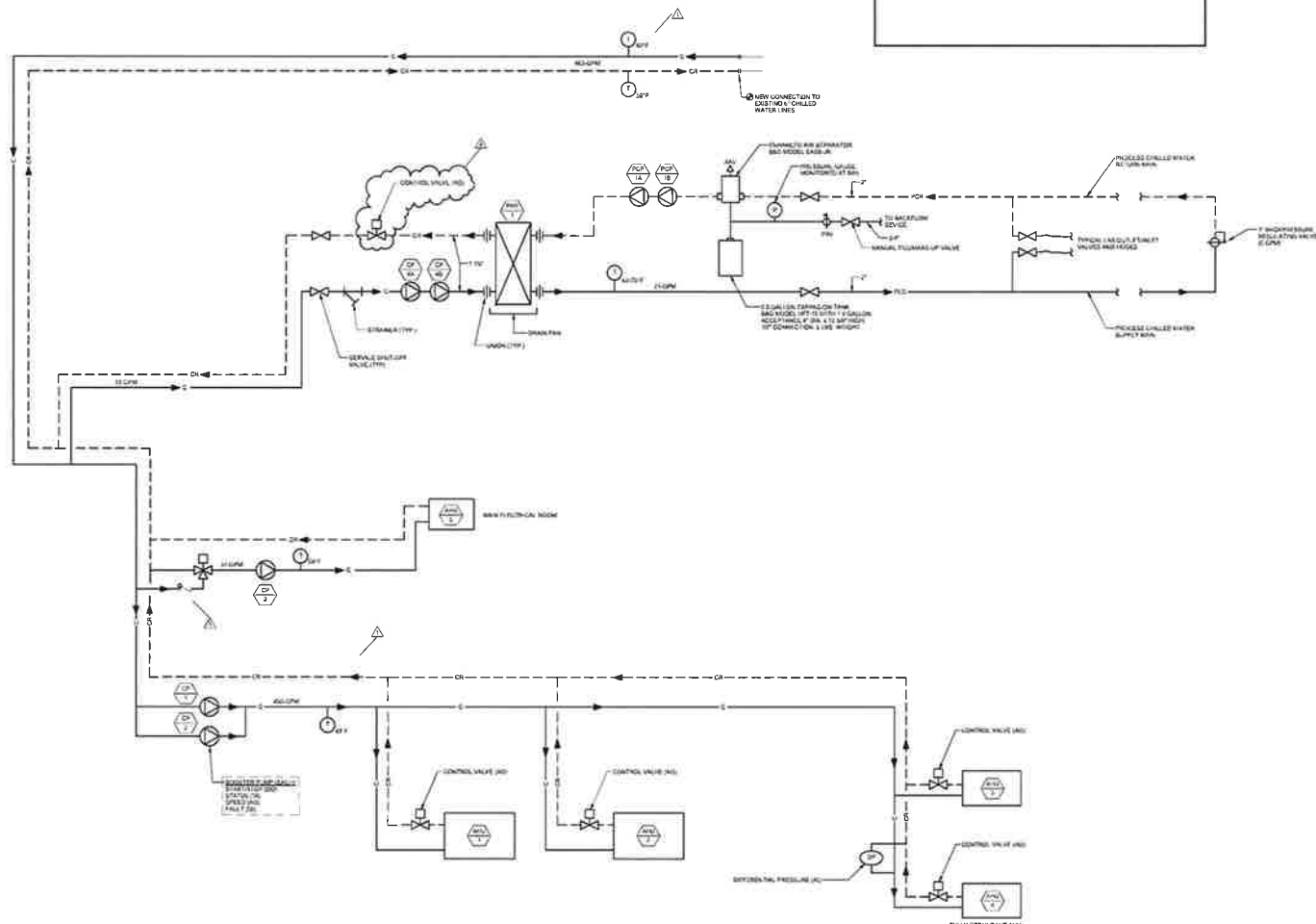
Drawing Title

DIAGRAMS - MECHANICAL

Project No: M0401-01 Drawn by:

M0401

10/10/2016



CHILLED WATER FLOW AND AUTOMATION DIAGRAM

10/10/2016 11:14:00 AM  
10/10/2016 11:14:00 AM  
10/10/2016 11:14:00 AM

THE CLIENT AND SUBMITTER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ENGINEER. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CLIENT OR SUBMITTER. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CLIENT OR SUBMITTER.

**Webster**  
UNIVERSITY

**Webster University**  
Interdisciplinary Science  
Building

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Environmental Supply & Supply  
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F: 314.725.8515

Alpha Architects  
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Spillman Brady & Company  
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St. Louis, Missouri 63102  
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F: 314.862.0700

Start Design  
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St. Louis, Missouri 63102  
T: 314.864.5700  
F: 314.864.5700

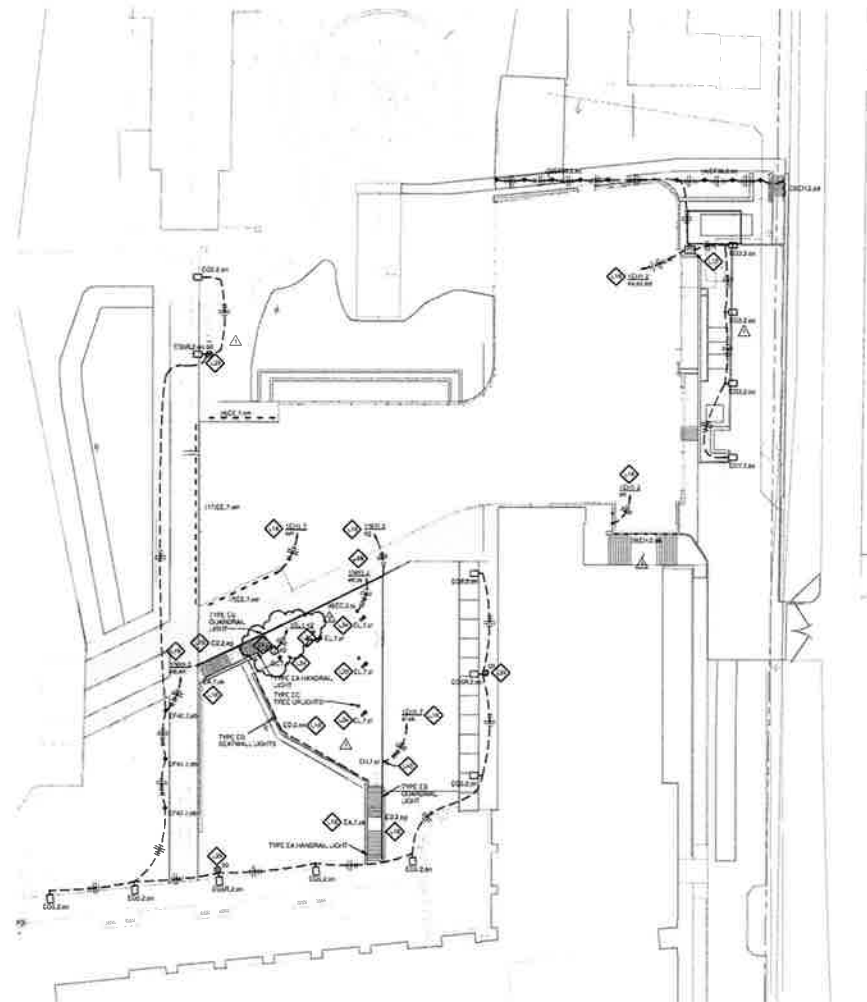
Webb Engineering Services, Inc.  
1400 S. Grand Street, Suite 200  
St. Louis, Missouri 63102  
T: 314.588.0000  
F: 314.588.0000

## 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 INSTALLATION.
- CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS AFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACCQUAINTED 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 INSTALLATION. EXPOSED CONDUIT SHALL BE ROUTED TIGHT TO STRUCTURE.
- MINIMUM 2 (2) CONTROL WIRE SIZE SHALL BE #18 (18) FOR RUNS LONGER THAN 400'.
- ALL SINGLE PHASE BRANCH CIRCUITS SHOWN WITH COMMON NEUTRAL SHALL HAVE INDIVIDUAL 20A 1P CIRCUIT BREAKER. CONTRACTOR TO PROVIDE HANDLE TIES TO MEET NEC SECTION 210.4 MULTI WIRE BRANCH CIRCUIT REQUIREMENTS. REFER TO DRAWINGS FOR CIRCUITS WITH DEDICATED NEUTRALS.
- SHADE FIXTURES AND FIXTURES NOTED WITH AN "E" ARE FOR EMERGENCY EGRESS. CONNECT FIXTURES TO LIFE SAFETY PANEL. (SEE L41) UNLESS OTHERWISE NOTED.
- FIXTURES NOTED WITH "N" ARE UN SWITCHED NIGHT LIGHTS AND SHALL BE LEFT ON AFTER HOURS FOR WAY FINDING.
- ALL EXTERIOR LIGHTING SHALL BE CONNECTED TO THE BUILDING AUTOMATION LIGHTING CONTROL SYSTEM.
- CONTRACTOR AND LIGHTING CONTROL SYSTEM PROGRAMMER SHALL ADJUST EXTERIOR LIGHTING DIMMING LEVELS. COORDINATE AND ATTEND MEETING WITH ARCHITECT AND ENGINEER AFTER DARK AT A MUTUALLY AGREED UPON TIME TO MAKE ADJUSTMENTS.

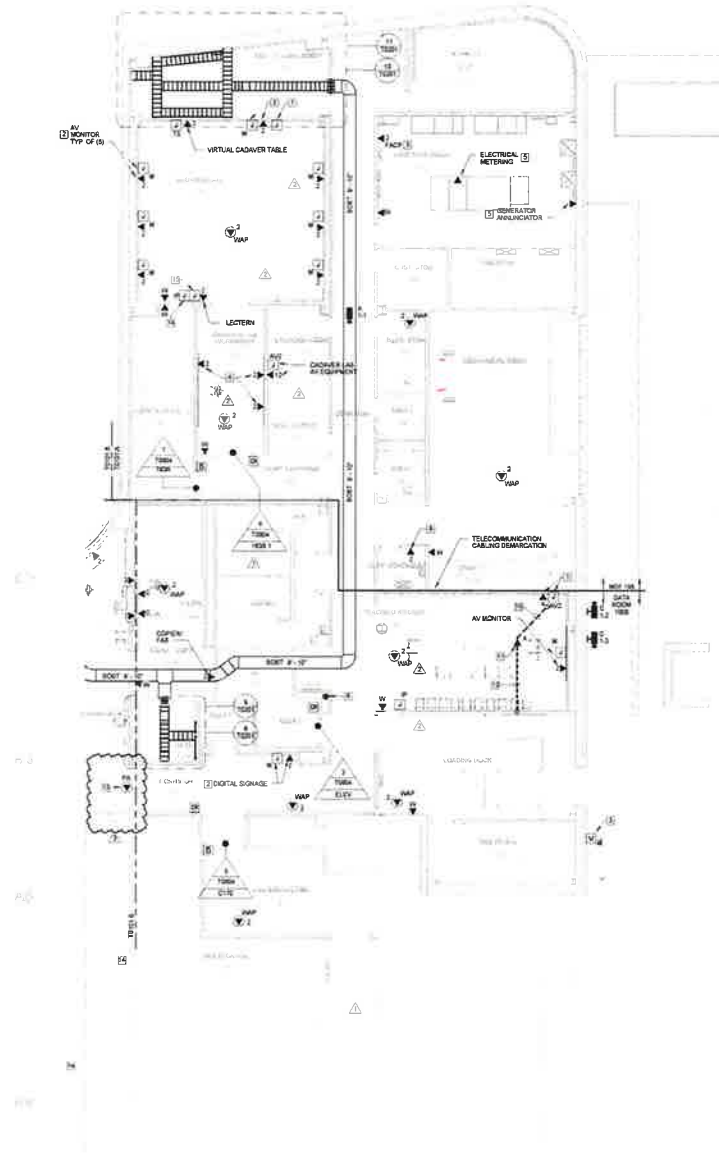
## KEYED NOTES

- ROUTE CIRCUITS VIA LIGHTING CONTROL SYSTEM FOR EACH DIMMABLE SWITCH LEG. PROVIDE BOTH POWER AND CONTROL WIRING TO FIXTURES.
- PROVIDE QUARTZ 22 500 LB. RATED POLYMER CONCRETE 12" Lx 12" Wx 12" D HANDHOLE (PG158) 4" HOLED COVER WITH PG158A1 (BQ) OR APPROVED EQUAL.
- LOCATE REMOTE DRIVERS WITHIN BUILDING ABOVE ACCESSIBLE CEILING OR IN ELECTRICAL CLOSET. COORDINATE LOCATION WITH ENGINEER PRIOR TO ROUGH IN WIRING. SHALL NOT EXCEED MANUFACTURER'S REMOTE DISTANCE LIMITATION.
- CONNECT BOLLARD GFCI RECEPTACLE TO PANEL 1A1.1 CIRCUIT 46.
- CONNECT BOLLARD GFCI RECEPTACLE TO PANEL 1A1.1 CIRCUIT 48.
- CONNECT LIGHTING POLE GFCI RECEPTACLE TO PANEL 1A1.1 CIRCUIT 50.
- PROVIDE STERNBERG RSA21250 2400 S 12" TALL 8" DIAMETER ROUND STRAIGHT ALUMINUM POLE WITH BLACK FINISH. POLE SHALL BE PRE-DRILLED AND EQUIPPED WITH A JUNCTION BOX AT THE TOP OF THE POLE TO SERVE AN OWNER FURNISHED CONTRACTOR INSTALLED SPEAKER. POLE SHALL ALSO BE PRE-DRILLED FOR AN OWNER FURNISHED CONTRACTOR INSTALLED EMERGENCY CALL BOX. COORDINATE REQUIRED PRE-DRILL HEIGHT WITH OWNER ROUTE 1 CONDUIT AND 120VOLT POWER FOR EMERGENCY CALL BOX AS SHOWN. REFER TO ARCHITECTURAL DRAWING FOR POLE LOCATION AND CIVIL DETAIL FOR BASE CONFIGURATION. PROVIDE POLE CAP AND DOWNNETS TO KEEP WATER OUT OF POLE.



**3 ELECTRICAL SITE PLAN**  
1" = 20'

1. All drawings shall be prepared in accordance with the American Institute of Electrical Engineers (AIEE) standards and the National Electrical Code (NEC) requirements. 2. All drawings shall be prepared in accordance with the American Institute of Electrical Engineers (AIEE) standards and the National Electrical Code (NEC) requirements. 3. All drawings shall be prepared in accordance with the American Institute of Electrical Engineers (AIEE) standards and the National Electrical Code (NEC) requirements.



# GENERAL NOTES:

- DATA OUTLETS IN OFFICE SHALL BE LOCATED NEARBY DESK AND AT THE SAME MOUNTING HEIGHT AS THE POWER RECEPTACLE UNLESS OTHERWISE NOTED. COORDINATE LOCATION WITH THE ELECTRICAL CONTRACTOR.
- SEE TELECOMMUNICATIONS CABLING DEMONSTRATION LINE ON THIS SHEET FOR ROUTING OF CABLING TO SPECIFIC DATA ROOMS.

# KEYED NOTES:

- CABINET MOUNTED AV EQUIPMENT (TV).
- CONFIRM EXACT LOCATION OF DATA OUTLET AND MONITOR BOX WITH ARCHITECTURAL CHANGES PRIOR TO INSTALLATION.
- WALL MOUNT BLUE LIGHT EMERGENCY INTERCOM STATION WITH WIRELESS RADIO COMMUNICATION SHALL BE FURNISHED BY OWNER AND INSTALLED BY SECURITY CONTRACTOR. UNIT SHALL BE MOUNTED 55 INTERCOM STATION IS 48" ABOVE GRADE. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
- WALL COMMUNICATION OUTLET IN THE COMMUNICATIONS ROOM OF THE BUILDING. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
- CONFIRM EXACT LOCATION AND TERMINATION REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- PROVIDE A 4" FIBER OPTIC CABLE THROUGH FLOOR FROM TELECOM CABLE TO LEVEL 1. SEE SPECIFICATION SECTION 07411 FOR FIBER INFORMATION.
- PROVIDE A 4" (1/4" SQUARE X 1/4" DEEP) WALL MOUNTED BOX WITH A 2 GANG BUS BAR FOR P12 CAMERA WITH A 1" CONDUIT WITH WALL STRONG STUBBED INTO ACCESSIBLE CEILING SPACE. COORDINATE MOUNTING HEIGHT AND LOCATION WITH P12 CAMERA INSTALLER.
- NOT USED.
- CONFIRM EXACT LOCATION AND TERMINATION REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER PRIOR TO INSTALLATION.
- PROVIDE A 1" CONDUIT IN SLAB FROM AV EQUIPMENT CABINET TO THE LIFTUP LOCATION. VERIFY FLOOR-UP LOCATION.
- DATA OUTLET FOR LAPTOP. COORDINATE BOX LOCATION WITH CABLEWORK INSTALLER PRIOR TO ROUGHEN.
- PROVIDE (1) 1" PVC CONDUIT IN THE SLAB FOR DATA CABLES.
- COORDINATE EXACT LOCATION WITH P12 CAMERA INSTALLER.
- MOUNT AT RECEPTACLE HEIGHT. PROVIDE (1) 1" CONDUIT UP TO 70" AND USE KEYED NOTE 14, CENTER DIRECTLY BELOW 9" BOX.



**Webster University**  
Interdisciplinary Science Building

**CANNON DESIGN**

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Kellerman Lendell, Inc.  
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St. Louis, MO 63114  
314.725.8818

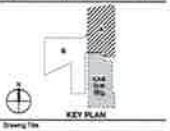
KRM Architects  
6771 Lemp Road  
St. Louis, MO 63114  
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Stallman Smith & Company  
Interior Design  
6311 Brentwood Avenue, Suite 100  
St. Louis, MO 63114  
314.652.5878

BBRT Design  
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St. Louis, MO 63114  
314.644.9700

Wells Engineering Services, Inc.  
Pumping & Fire Protection  
1401 S. 2nd Street, Suite 201  
St. Louis, MO 63104  
314.588.0000

|                                    |              |             |
|------------------------------------|--------------|-------------|
| 3                                  | ASH-00       | 18 DEC 2011 |
| 2                                  | ASH-05       | 18 NOV 2011 |
| 1                                  | ADDENDUM 2.2 | 18 APR 2011 |
| - REVISED FOR CONSTRUCTION (RFP) - |              |             |
| No.                                | Description  | Date        |



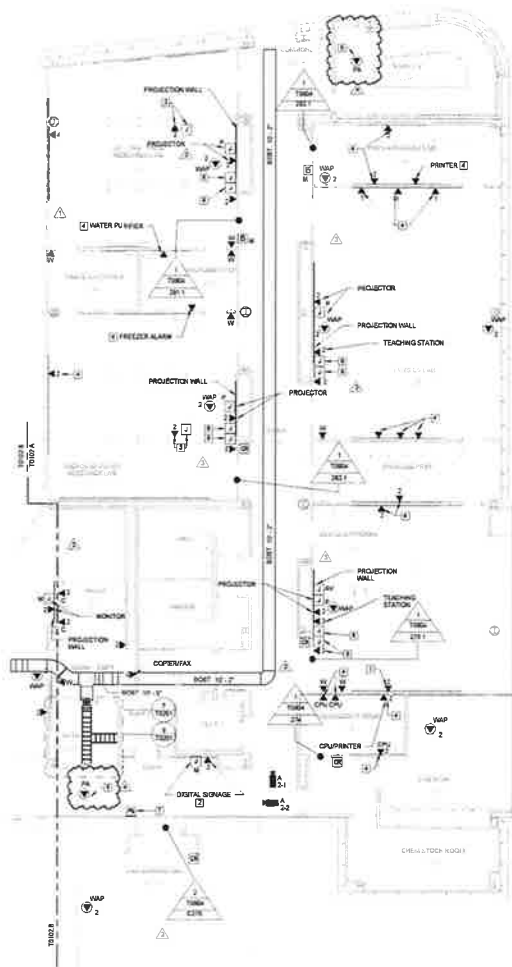
**LEVEL 01 FLOOR PLAN - AREA A**

Project No: 04081-01 Created by:

**T0101.A**

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# GENERAL NOTES:

- DATA OUTLETS AS SHOWN SHALL BE LOCATED ADJACENT TO AND AT THE SAME MOUNTING HEIGHT AS THE POWER RECEPTACLES. COORDINATE LOCATION WITH THE ELECTRICAL CONTRACTOR.
- TELECOMMUNICATIONS CABLING ON THIS SHEET SHALL BE RUN TO LEVEL 02 DATA ROOM 302.

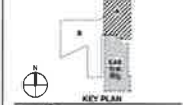
# KEYED NOTES:

- CABINET MOUNTED AV EQUIPMENT (P.10)
- CONFIRM EXACT LOCATION OF DATA OUTLET AND MONITOR BOX WITH AN AV VENDOR PRIOR TO INSTALLATION.
- MOUNT BEHIND AS THE SHOWN AND VISIBLE CLAMP REEF SYSTEM PROVIDED AND VERIFY IT CONDUIT WITH FULL 3/8" O FROM EACH DEVICE TO GROUND SPACE. COORDINATE DEVICE LOCATION AND MOUNTING REQUIREMENTS WITH CARRIER SYSTEM INSTALLER.
- MOUNT IN COMMUNICATION CHANNEL OF 2 SECTION RACEWAY, SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- COORDINATE EXACT LOCATION WITH AV INSTALLER.
- LOCAL DOOR LOCK POWER SUPPLY.
- PROVIDE (1) 4" 1/4" SQUARE X 2" DEEP BOX WITH 2 GANG RING AND (1) 1/2" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR AV KEYPAD. PROVIDE (3) CAT 6A CABLE TO DATA ROOM MOUNTED IN PLANE, MOUNT AT LIGHT SWITCH HEIGHT.
- PROVIDE (1) 4" 1/4" SQUARE X 2" DEEP BOX WITH 2 GANG RING FOR THE AV INPUT PLATE, MOUNT AT RECEPTACLE HEIGHT. PROVIDE (1) 1/2" CONDUIT UP TO THE AV KEYPAD JUNCTION. (SEE KEYED NOTE B)

|   |              |             |
|---|--------------|-------------|
| 4 | AS-046       | 08 DEC 2016 |
| 3 | AS-045       | 16 NOV 2016 |
| 2 | ADDENDUM 2.2 | 19 APR 2016 |
| 1 | ADDENDUM 2.1 | 17 MAR 2016 |

DESIGNED FOR CONSTRUCTION (ISSUED) 01 MAR 2016

| Rev | Description | Date |
|-----|-------------|------|
|-----|-------------|------|

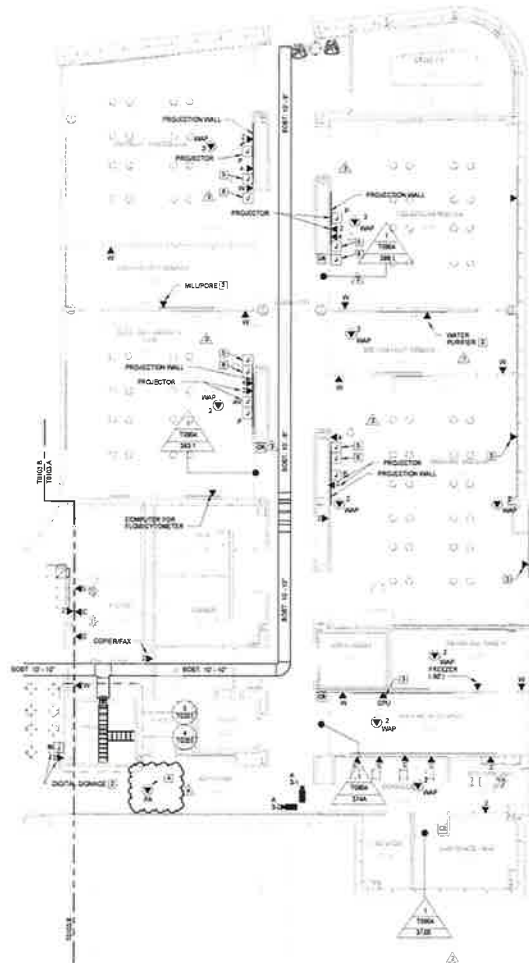


Drawing Title

**LEVEL 02 FLOOR PLAN - AREA A**

Project No.: 04561.01      Checked by:

**T0102.A**



# GENERAL NOTES: THIS SHEET ONLY

1. DATA OUTLETS IN OFFICE SHALL BE LOCATED ADJACENT TO AND AT THE SAME MOUNTING HEIGHT AS THE POWER RECEPTABLES. COORDINATE LOCATION WITH THE ELECTRICAL CONTRACTOR.
2. TELECOMMUNICATION CABLEING ON THIS SHEET SHALL BE RUN TO LEVEL 03 DATA ROOM 308.

# KEYED NOTES: THIS SHEET ONLY

1. CABINET MOUNTED AV EQUIPMENT (OFA).
2. CONFIRM EXACT LOCATION OF DATA OUTLET AND MONITOR WITH AV VENDOR PRIOR TO INSTALLATION.
3. INSTALL COMMUNICATION OUTLET IN THE COMMUNICATIONS SIDE OF THE CHANNEL RACKWAY. SEE ELECTRICAL DRAWINGS FOR COORDINATE EXACT LOCATION WITH AV INSTALLER.
4. PROVIDE (1) 4'-11 1/2" SQUARE X 3'-10" DEEP BOX WITH 3/8" DIA. RING FOR THE AV INPUT PLATE. MOUNT AT RECEPTABLE HEIGHT. PROVIDE (1) 1" CONDUIT UP TO THE AV INPUT PLATE. (SEE NOTES 10-15).



Webster University  
Interdisciplinary Science  
Building

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St. Louis, MO 63110  
314-725-9818

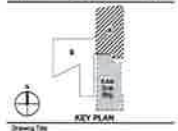
KNA Architects  
Architects  
2721 Lumsden Road  
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314-962-2090

Swilman Brady & Company  
Interior Designer  
8201 Maryland Avenue, Suite 302  
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314-582-6270

BOT Design  
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314-844-5730

Webb Engineering Services, Inc.  
Planning & Engineering  
1407 S. Grand Blvd., Suite 201  
St. Louis, MO 63104  
314-588-0515

|                                 |             |
|---------------------------------|-------------|
| 4. AS-BUILT                     | 09 DEC 2016 |
| 3. REVISED                      | 16 NOV 2016 |
| 2. MODIFIED                     | 18 APR 2016 |
| 1. REVISED                      | 17 MAY 2016 |
| DESIGNED FOR CONSTRUCTION (DPC) | 01 MAR 2016 |



LEVEL 03 FLOOR PLAN - AREA A

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