DOCUMENT 00 91 13.1 – ADDENDUM ONE

1.1 PROJECT INFORMATION

A. Project Name: Rinard Orchid Greenhouse Expansion

B. Owner: Ball State University

C. Owner Project Number: 2020-033.01 GH1

1.2 NOTICE TO BIDDERS

A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.

B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

C. The date for receipt of bids is unchanged by this Addendum, at same time and location. Bid Date: March 25, 2021

1.3 ATTACHMENTS

A. This Addendum includes the following attached Documents and Specification Sections:
   Prebid Meeting Notes, dated March 4, 2021.
B. This Addendum includes the following attached Sheets:
   Landscape Sheet L100 - Site Materials & Notes Plan Base Bid / Alt. 4, dated 02.18.2021 [reissued].
   Landscape Sheet L100.1 - Site Materials & Notes Plan Alternate 2, dated 02.18.2021 [reissued].
   Landscape Sheet L110 - Site Layout Plan Base Bid / Alt. 4, dated 02.18.2021 [reissued].
   Landscape Sheet L110.1 - Site Layout Plan Alternate 2, dated 02.18.2021 [reissued].
   Architectural Sheet A121 - Floor Plan – First Floor, dated 02.18.2021, (reissued).
   Electrical Sheet E102 - First Floor Power & Systems Plans, dated 02.18.2021, (reissued).

1.4 REVISIONS TO PREVIOUS ADDENDA
   A. N/A

1.5 REVISIONS TO DIVISION 00 PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS
   A. Section 00 01 15 List of Drawing Sheets, dated 02.18.2021, (reissued) . Updated Landscape Sheet Names.
   B. Section 00 91 13.1 Addendum One, dated 03.10.2021, (new) .

1.6 REVISIONS TO DIVISION 01 GENERAL REQUIREMENTS
   A. None.

1.7 REVISIONS TO DIVISIONS 02 - 49 SPECIFICATION SECTIONS
   A. Specification Section 23 82 36 Finned-Tubed Radiation Heater, (reissued).

1.8 RESPONSES/CLARIFICATIONS TO CONTRACTOR QUESTIONS
   “Will the base bid include the entire 24’ addition to the existing greenhouse? Alternate 2 would be a deduct alternate to remove 12’? Is this a correct understanding of how you want the bid? ”
   Response: This is correct.

   “Are solar panels part of this project? Page A161 note 8 makes reference to solar panels and directs us to a specification section which I do not find in the project manual.”
   Response: Solar panels are part of the project. The electrical drawings provide the proper infrastructure to support the panels. Further clarification will be included in the addendum.”
END OF DOCUMENT 00 91 13.1
Pre-Bid Meeting Notes

Project: Ball State University  
Rinard Orchid Greenhouse Expansion  
arcDESIGN #20125 / BSU Project Number 2020-033.01 GH1

Date: March 4, 2021

Prepared by: arcDESIGN

I. Team and Project Introductions
   
   A. Owner Representative(s):
      1. Stephanie Dodds, Facilities Planning & Mgmt., 765-285-2827, email: Stephanie.dodds@bsu.edu
      2. Greg Graham, Facilities Planning & Mgmt., 765-285-2828, email: graham@bsu.edu
      3. Kelly Knable, Facilities Planning & Mgmt., 765-285-0585, email: kaknable@bsu.edu
      4. Ryan Koenker, Facilities Planning & Mgmt., 765-285-2821, email: rrkoenker@bsu.edu
      5. David Chadburn, Facilities Planning & Mgmt., 765-285-5628, email: david.chadburn@bsu.edu
      6. Paul Sternberg, Facilities Planning & Mgmt., 765-285-2823, email: pmsternberg@bsu.edu
      7. June Sanders, Purchasing, 765-285-1548, email: jasanders3@bsu.edu

   B. Consultant’s Representative(s):
      1. Michelle Bayt, arcDESIGN, (317) 951-9192, email: mbayt@arcdesign.us
      2. Mike Engledow, arcDESIGN, (317) 951-9192, email: mengledow@arcdesign.us
      3. Roy Wagner, Applied Engineering, (317) 810-4141, email: rwagner@applied-e-s.com
      4. Victor Villalta, Applied Engineering, (317) 810-4141, email: vvilalta@applied-e-s.com
      5. Alyssa Prazeau, Context Design, (317) 505-9405, email: aprazeau@context-design.com
      6. John Zant, Cripe, (317) 706-6346, email: jzant@cripe.biz
      7. Scott Clore, Lynch, Harrison & Brumleve, (317) 423-1550, email: sclore@lhb-eng.com

II. Contract Documents: Project Manual and Drawings
   
   A. Ryan Koenker reviewed the Availability of Contract Documents
      1. Bid documents, which include project manual, drawings, specifications, bid forms, and other related documents (available electronically) may be obtained by contacting June Sanders, Senior Purchasing Agent or Purchasing Services,
B. Interpretation of Contract Documents

1. Bidders should carefully study the Bidding Documents, examine the site and local conditions and notify Michelle Bayt at arcDESIGN, (317) 951-9192 email: mbayt@arcdesign.us of errors and inconsistencies or ambiguities discovered and request clarification or interpretation.

C. Addenda

1. Addenda will be transmitted to Bidders known by Purchasing Services to have obtained Bidding Documents. Addenda will also be available on the Ball State Purchasing web site: https://www.bsu.edu/about/administrativeoffices/purchasing/publicworks/rinard-orchid-greenhouse-expansion.

D. Substitutions

1. Written requests for substitutions should be received by arcDESIGN no later than March 15, 2021, ten days prior to the receipt of Bids and meeting the requirements described in specification 01 60 00 Product Requirements.

III. Bidding Procedures

A. Bidding Date: March 25, 2021 @ 11:00 a.m. EDT

B. Location: Purchasing Conference Room
   Service & Stores Building
   3401 N. Tillotson Avenue
   Muncie, Indiana 47306

   Bid submissions must be received in the Purchasing Office prior to the time of bid opening. Delivery to Ball State by US Mail or delivery services does not ensure delivery to the Purchasing Office by the prescribed time. Bidders are responsible for ensuring Bid Documents are received on time in the right location.

C. Bids will be opened and read aloud utilizing conference call:
   Join by phone 1-415-655-0002 Access Code 132 788 6121

D. Bidding Form and Other Documents were reviewed.

1. Indiana Form 96 (Revised 2013). Fill out completely or submit supporting documents.
   a. Fill out Part II., Section I. Experience Questionnaire
   b. Fill out Part II., Section II. Plan and Equipment Questionnaire.
   c. Attach Part II., Section III. Contractor’s Financial Statement. Attach a current document, as required.
   d. Fill out Part II., Section IV. Contractors Non – Collusion Affidavit
   e. Fill out Part II., Section V. Oath and Affirmation

2. Bid Form Supplements, Document 00 43 00
Prebid Meeting Notes
Ball State University
Rinard Orchid Greenhouse Expansion
March 4, 2021
Page 3

a. Appendix A.
   (1) Acknowledgment of Receipt of Addenda.
   (2) Project Completion

b. Appendix B. Alternatives, There are 5 Alternates
c. Appendix C. Unit Prices,
d. Appendix D. Principal Subcontractors
e. Appendix E. Supplementary General Construction Information
f. Appendix F. Supplementary Mechanical Information
g. Appendix G. Supplementary Electrical Information
h. Appendix H. Supplementary Telecommunications Information

3. Representations and Certifications, Document 00 45 00
   a. Appendix 1. Nondiscrimination Compliance Statement
   b. Appendix 2. Contractors Certification of Self Performance. 15 percent self-performance is required.
c. Appendix 3. Contractors Certification of Authorized Employment
d. Appendix 4. Contractors Certification of Training Program Compliance
e. Appendix 5. Drug Testing Plan. A copy of the Plan is required with the submitted Bid.
f. Appendix 6. Contractors Certification of Pre-Qualification Compliance. Contractor pre-certification by the Indiana Department of Administration (IDOA) is required for prime and sub-contracts with a value of $300,000 or greater.
g. Appendix 7. Bidder’s Check List

4. MBE/WBE/Veteran Participation Plan, Document 00 45 39. Ball State recently revised this document. Carefully review the requirements to solicit participation from certified MBE/WBE/and Veteran Owned Businesses.
   a. MBE / WBE / Veteran Contractor, Subcontractor, Material Supplier Plan
   b. Documentation of Effort to Meet MBE / WBE / Veteran Participation
   c. MBE / WBE / Veteran Participation – Awarded Contract From. This form shall be filled out and submitted by the successful Bidder within 48 hours after award of the Contract.


6. Documents that must be submitted by the Awarded Contractor prior to mobilization.
   a. Section 00 61 00 – Bond Forms: AIA Document A312 - Performance Bond and Payment Bond
   b. Section 00 73 73 – Escrow Agreement: Owner will provide document after the award of the project.
IV. Scope of Project.

A. Michelle Bayt gave an overview of the Summary of Work.
   1. The Rinard Orchid Greenhouse is an existing building located on the south side of the Christy Woods Nature Area on the west side of the main University campus. The project is to construct an environmental education classroom addition (Nature Lab) and expand the existing Greenhouse Conservatory space. The scope includes an expansion of the existing greenhouse conservatory, support spaces and a new entry which serves as the primary entry to the Greenhouse, Nature Lab, and Christy Woods.
   2. There are five project Alternates as described in the Project Manual and on the Drawings.

B. Project Schedule.
   1. The anticipated start date for the project is April 12, 2021 and Substantial Completion Date October 15, 2021.

C. Access to Project Area.
   1. Refer to Drawing G101 Site Logistics plan for more information on Project Area Access and Limitations.

D. Coordination with Owner Occupancy.
   1. Close coordination with the Owner, including Cheryl Leblanc, Curator of the Greenhouse, will need to take place to maintain the existing plants during construction. Protection and temporary heating and cooling as required to meet the Owner’s allowable temperature range will be required. Refer to Demolition Plan drawings and specifications for additional information.

V. Questions

A. No questions were asked during the meeting.
B. Questions can be sent to Michelle Bayt, arcDESIGN, mbayt@arcdesign.us.

VI. Tour of Project Site. Additional site visits may be arranged by contacting Ryan Koenker at Ball State University, 765-285-2821, email: rrkoenker@bsu.edu.
<table>
<thead>
<tr>
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<th>REPRESENTING</th>
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<th>EMAIL ADDRESS</th>
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<tr>
<td>Ryan Koenker</td>
<td>BSU Facilities</td>
<td>765-285-2821</td>
<td><a href="mailto:rrkoenker@bsu.edu">rrkoenker@bsu.edu</a></td>
</tr>
<tr>
<td>June Sanders</td>
<td>BSU Purchasing</td>
<td>765-285-1548</td>
<td><a href="mailto:Jasanders3@bsu.edu">Jasanders3@bsu.edu</a></td>
</tr>
<tr>
<td>Paul Sternberg</td>
<td>BSU Facilities</td>
<td>765-285-2823</td>
<td><a href="mailto:pmsternberg@bsu.edu">pmsternberg@bsu.edu</a></td>
</tr>
<tr>
<td>Michelle Bayt</td>
<td>acrDesign</td>
<td>317-951-9192</td>
<td><a href="mailto:mbay@arcesign.us">mbay@arcesign.us</a></td>
</tr>
<tr>
<td>Branden Roberts</td>
<td>BSU Purchasing</td>
<td>765-285-1538</td>
<td><a href="mailto:cbroberts@bsu.edu">cbroberts@bsu.edu</a></td>
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<tr>
<td>Alyssa Prazeau</td>
<td>Context Design</td>
<td>317-485-6900</td>
<td><a href="mailto:aprazeau@context-design.com">aprazeau@context-design.com</a></td>
</tr>
<tr>
<td>Cynthia Hunter</td>
<td>BSU CMID Lecture Instructor</td>
<td></td>
<td><a href="mailto:Cjhunter2@bsu.edu">Cjhunter2@bsu.edu</a></td>
</tr>
<tr>
<td>Greg Graham</td>
<td>BSU Facilities</td>
<td>765-285-2828</td>
<td><a href="mailto:ggraham@bsu.edu">ggraham@bsu.edu</a></td>
</tr>
<tr>
<td>Chris Lehman</td>
<td>Summit Construction</td>
<td>317-450-7065</td>
<td><a href="mailto:clehrman@summitconst.com">clehrman@summitconst.com</a></td>
</tr>
<tr>
<td>Jamie Hall</td>
<td>Alderson Commercial</td>
<td>317-931-9756</td>
<td><a href="mailto:jamie@aldersoncommercial.com">jamie@aldersoncommercial.com</a></td>
</tr>
<tr>
<td>Mike Engledow</td>
<td>Arc Design</td>
<td></td>
<td><a href="mailto:mengledow@arcdesign.us">mengledow@arcdesign.us</a></td>
</tr>
<tr>
<td>Richard Seucharan</td>
<td>Sky View Aerial Imaging</td>
<td>317-273-3626</td>
<td><a href="mailto:ricardo@skyviewai.com">ricardo@skyviewai.com</a></td>
</tr>
<tr>
<td>Rob Tanzer</td>
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<tr>
<td>Roy Wagner</td>
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Rinard Greenhouse Expansion  
Ball State University  
BSU Project No. 2021-033.01 GH1  
March 4, 2021

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<tr>
<td>Troy Case</td>
<td>Attlin Construction</td>
<td>765-289-0671</td>
<td><a href="mailto:tcase@attlinconstruction.com">tcase@attlinconstruction.com</a></td>
</tr>
<tr>
<td>Troy Hugg</td>
<td>Pridemark</td>
<td>765-744-4948</td>
<td><a href="mailto:thugg@pridemarkconstruction.com">thugg@pridemarkconstruction.com</a></td>
</tr>
<tr>
<td>Jason Thornburg</td>
<td>Pridemark</td>
<td>765-748-5124</td>
<td><a href="mailto:jthornburg@pridemarkconstruction.com">jthornburg@pridemarkconstruction.com</a></td>
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<tr>
<td>Roger Hassenzahl</td>
<td>BSU Purchasing</td>
<td>765-285-1532</td>
<td><a href="mailto:rahassenzahl@bsu.edu">rahassenzahl@bsu.edu</a></td>
</tr>
<tr>
<td>Joyce Collier</td>
<td>PSG Energy Group</td>
<td>317-892-8195</td>
<td><a href="mailto:jcollier@psgenergygroup.com">jcollier@psgenergygroup.com</a></td>
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## LIST OF DRAWING SHEETS

### General

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<td>SITE LOGISTICS PLAN</td>
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<td>OVERALL FLOOR PLAN</td>
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### Architectural
- A001 ARCHITECTURAL GENERAL NOTES
- A010 INTERIOR TYPES
- A011 EXTERIOR ASSEMBLIES
- A020 TYPICAL MOUNTING HEIGHTS
- A101 DEMOLITION PLAN – FIRST FLOOR
- A111 DIMENSION PLAN – FIRST FLOOR
- A121 FLOOR PLAN – FIRST FLOOR
- A131 EQUIPMENT PLAN – FIRST FLOOR
- A141 REFLECTED CEILING PLAN – FIRST FLOOR
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- A161 ROOF PLAN
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### Mechanical
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- M101 FIRST FLOOR HVAC PLANS
- M501 MECHANICAL DETAILS
- M601 MECHANICAL SCHEDULES

### Plumbing
- P001 PLUMBING SYMBOLS AND ABBREVIATIONS
- P101 FOUNDATION PLUMBING PLANS
- P102 FIRST FLOOR PLUMBING PLANS
- P501 PLUMBING DETAILS
- P601 PLUMBING SCHEDULES
- P701 PLUMBING DIAGRAMS

### Electrical
- E001 ELECTRICAL SYMBOLS AND ABBREVIATIONS
- E101 FIRST FLOOR LIGHTING PLANS
- E102 FIRST FLOOR POWER & SYSTEMS PLANS
- E201 ELECTRICAL SITE PLAN
- E501 ELECTRICAL DETAILS
- E601 ELECTRICAL SCHEDULES AND RISER
PART 1 - GENERAL

1.1 RELATED DOCUMENTS
   A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY
   A. Section includes electric architectural radiation heaters.

1.3 ACTION SUBMITTALS
   A. Product Data: For each type of product.
      1. Include rated capacities, operating characteristics, furnished specialties, and accessories.
   B. Shop Drawings:
      1. Include details of equipment assemblies. Indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
      2. Include details and dimensions of custom-fabricated enclosures.
      3. Indicate location and size of each field connection.
      4. Indicate location and arrangement of integral controls.
      5. Include enclosure joints, corner pieces, access doors, and other accessories.
      6. Include diagrams for power, signal, and control wiring.
   C. Color Samples for Initial Selection: For architectural radiation heaters with factory-applied color finishes.
   D. Field quality-control reports.

PART 2 - PRODUCTS

2.1 ARCHITECTURAL RADIATION HEATERS
   A. Manufacturers: Subject to compliance with requirements, provide products by the following:
1. Runtal

B. Description: Factory-packaged units constructed according to UL 499, UL 1030, and UL 2021.

1. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

C. Enclosures: All steel construction pedestal mounted as scheduled on the drawings. Provide end caps and finished pieces to conceal electrical connection and finish to adjacent surfaces.

D. Unit Controls: Remote thermostat

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas to receive finned-tube radiation heaters for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Examine roughing-in for electrical connections to verify actual locations before installation of finned-tube radiation heaters.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 ARCHITECTURAL RADIATION HEATER INSTALLATION

A. Install units level and plumb.

B. Install end caps and filler pieces continuously around corners, using outside and inside corner fittings.

C. Join sections with splice plates and filler pieces to provide continuous enclosure.

D. Install filler and end pieces continuously to give wall to wall appearance.

E. Terminate enclosures with manufacturer's end caps except where enclosures are indicated to extend to adjoining walls.

3.3 CONNECTIONS

A. Ground electric finned-tube radiation heaters according to Section 26 05 26 "Grounding and Bonding for Electrical Systems."
B. Connect wiring according to Section 26 05 19 "Low-Voltage Electrical Power Conductors and Cables."

3.4 FIELD QUALITY CONTROL

A. Perform the following field tests and inspections:
   1. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

B. Units will be considered defective if they do not pass tests and inspections.

END OF SECTION 23 82 36
WALKWAY ACCESS ONLY PLAN

MATERIAL LEGEND

P1.0 Pavement
P1.1 Concrete Pavement, Refer to Detail 1-3/L500 and Specification 32 13 16
P1.2 Integral Color Decorative Concrete Type 1, Davis Color willow green or sim. Refer to Detail 1-3/L500 and Specification 32 13 16
P1.3 Aggregate Pavement, Refer to Detail 10/L500 and Specification 32 15 40
P1.4 Concrete Unit Pavers, Refer to Detail 10/L500 and Specification 32 14 00
P1.5 Parking Striping, Refer to Detail 4/L500

S1.0 Stairs
S1.1 Concrete Stairs with handrail, 5 risers, Refer to Details 6-8/L500 and specification sections 32 13 16 and 05 50 10

S1.0 Stone
S2.1 Large Boulder, 24" ht., Refer to Detail 2/L501 and Specification 32 15 40
S2.2 Medium Boulder, 18" ht., Refer to Detail 2/L501 and Specification 32 15 40
S2.3 Small Boulder, 12" ht., Refer to Detail 2/L501 and Specification 32 15 40

W1.0 Walls
W1.1 Block Retaining Wall, Refer to Detail 9 & 12/L500 and Specification 32 32 19. Contractor option to reuse existing retaining wall material.
W1.2 Metal Screen, Refer to Detail 4/L501 and Specification 05 50 10

F1.0 Fencing
F1.1 6'-0" ht., Ornamental Fence, Refer to Detail 1/L501 and Specification 32 31 19

F2.0 Site Furnishings
F2.1 ALTERNATE No. 5: Above grade wooden cistern, 8' dia. x 8' ht. on slab. Refer to Detail 3/L501 and specification section 32 33 00
F2.2 Parking Sign, relocated on new Pole, Refer to Detail 5/L500
F2.3 Backless Bench, BY OWNER. Refer to Detail 11/L500 and Specification 32 33 00

PA Topsoil and Plantings by Owner

Existing equipment to remain. Protect throughout construction.

Existing trees to remain. Protect throughout construction. Refer to Details 2021-03-14

Existing bike racks to be relocated

Place boulders prior to pouring concrete, typ.

Note: All materials and finishes are subject to the Architect's approval.

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1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions where practical, including at building and wall corners, connections to existing work, and to centerlines of doors. Refer to Legend below.
3. Space expansion joints every 10 feet unless shown otherwise. Space spine joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
5. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
6. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous copy, striping, or curb painting that may be required by the Fire Marshall.
7. All disturbed areas not proposed to receive pavements shall be dressed with topsoil and seeded per Specifications.
8. Contractor shall provide and install one (1) Accessible Parking Sign per accessible parking space indicated in plans. Coordinate final location in the field with Landscape Architect.

LAYOUT LEGEND
A - Align joint to corner of building
B - Align edge of pavement/front of wall to building feature
C - Align joint with edge/corner of pavement

LAYOUT NOTES
1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions where practical, including at building and wall corners, connections to existing work, and to centerlines of doors. Refer to Legend below.
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LAYOUT LEGEND
A - Align joint to corner of building
B - Align edge of pavement/front of wall to building feature
C - Align joint with edge/corner of pavement
1. Dimensions are shown in Feet unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions where practical including at building and wall corners, connections to existing work, and connections of decks.
3. Space joint locations as shown unless otherwise directed. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder on a courtesy basis with final layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
5. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous striping, or curb painting that may be requested by the Fire Marshall.
6. Contractor shall coordinate final joint locations in the field with the Landscape Architect.
7. Contractor shall provide and install One (1) Accessible Parking Sign per accessible parking space indicated in plans. Coordinate final location in the field with the Landscape Architect.

PA = Parking Area
GENERAL NOTES: ARCHITECTURAL PLANS

1. CONSOLIDATE WALL TYPES INTO SECTIONS PER WALL TYPE.
2. CONSOLIDATE WALL TYPES INTO SECTIONS PER WALL TYPE.
3. CONSOLIDATE WALL TYPES INTO SECTIONS PER WALL TYPE.
4. CONSOLIDATE WALL TYPES INTO SECTIONS PER WALL TYPE.
5. CONSOLIDATE WALL TYPES INTO SECTIONS PER WALL TYPE.
6. CONSOLIDATE WALL TYPES INTO SECTIONS PER WALL TYPE.

PLAN NOTES - FLOOR PLAN

1. NO ARCHITECTURAL WORK IN THIS AREA.
2. INFILL CMU BLOCK WALL WHERE PREVIOUSLY EXISTING DOOR WAS REMOVED.
3. OWNER PROVIDED/OWNER INSTALLED FURNITURE OR EQUIPMENT.
4. NEW ALUMINUM FRAMED STOREFRONT DOOR.
5. CONCRETE SLAB ON GRADE. REFER TO S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
6. EXTEND EXISTING UNDERGROUND PVC SLEEVES TO THE UNDERGROUND CISTERN TO THE WEST. REFER TO C-SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
7. MILLWORK/CASEWORK. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
8. COAT HOOKS 24" MIN. PROVIDE BLOCKING AS REQUIRED.
9. EXPOSED STRUCTURAL COLUMN (TYP). REFER TO S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
10. FULL-VIEW ALUMINUM BI-FOLD GARAGE DOOR WITH LOW-E INSULATED GLASS.
11. NEW PAINTED HOLLOW METAL DOOR WITH HOLLOW METAL FRAME.
12. PEA GRAVEL FLOORING. SEE C-SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
13. PROVIDE FIRE-TREATED PLYWOOD FOR ELECTRICAL PANELS.
14. EVAPORATIVE PAD EQUIPMENT BY GREENHOUSE MANUFACTURER.
15. INSULATED METAL LOUVER PANELS BY GREENHOUSE MANUFACTURER.
16. PATCH AND REPAIR CONCRETE SLAB AS REQUIRED BY PLUMBING WORK.
17. REUSE SALVAGED EXISTING INTERIOR ENTRY DOOR FRAME AND SIDELIGHT.
18. NEW SOLID CORE WOOD VENEER DOOR WITH HOLLOW METAL FRAME.

Ball State University
Rinard Orchid Greenhouse
2600 W University Avenue Muncie, IN 47303

REVISIONS:

DRAWING TITLE:
FLOOR PLAN - FIRST FLOOR

DRAWING NUMBER:
A121

100% CONSTRUCTION DOCUMENTS

ARCHITECTURAL PLANS

PLAN NOTES - FLOOR PLAN

1. NO ARCHITECTURAL WORK IN THIS AREA.
2. INFILL CMU BLOCK WALL WHERE PREVIOUSLY EXISTING DOOR WAS REMOVED.
3. OWNER PROVIDED/OWNER INSTALLED FURNITURE OR EQUIPMENT.
4. NEW ALUMINUM FRAMED STOREFRONT DOOR.
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### Lighting Fixture Schedule

<table>
<thead>
<tr>
<th>Light Fixture</th>
<th>Load Type</th>
<th>Load Name</th>
<th>Pole Rating</th>
<th>Type</th>
<th>Connection</th>
<th>Notes</th>
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<tbody>
<tr>
<td>L1</td>
<td>Lighting</td>
<td>Vapor Proof Fixture</td>
<td>16 W</td>
<td>LED</td>
<td>120 V</td>
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<tr>
<td>L2</td>
<td>Lighting</td>
<td>1X4 LED TROFFER SURFACE</td>
<td>36 W</td>
<td>LED</td>
<td>120 V</td>
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<td>L3</td>
<td>Lighting</td>
<td>2X4 ARCHITECTURAL TROFFER</td>
<td>27 W</td>
<td>LED</td>
<td>120 V</td>
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<tr>
<td>L4</td>
<td>Lighting</td>
<td>UNDERCABINET FIXTURE</td>
<td>21 W</td>
<td>LED</td>
<td>120 V</td>
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<tr>
<td>L5</td>
<td>Lighting</td>
<td>LIGHTING FIXTURE SCHEDULE</td>
<td>2.09 W</td>
<td>LED</td>
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<tr>
<td>L6</td>
<td>Lighting</td>
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<td>L7</td>
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<tr>
<td>L8</td>
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<td>120 V</td>
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</table>

### Panelboard Schedule

<table>
<thead>
<tr>
<th>Panelboard</th>
<th>Description</th>
<th>Location</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel 1</td>
<td>Main</td>
<td>Panel 1</td>
<td>Surface</td>
</tr>
<tr>
<td>Panel 2</td>
<td>Branch</td>
<td>Panel 2</td>
<td>Surface</td>
</tr>
<tr>
<td>Panel 3</td>
<td>Branch</td>
<td>Panel 3</td>
<td>Surface</td>
</tr>
</tbody>
</table>

### Electrical Riser

- New equipment needs coordination with the electrical engineer.
- Check 0-10V dimming.
- Refer to plans for fixture with integral 100% output.
- Provide surface mounting kit as required.
- Provide layout for total length of fixture. 0-10V dimming.
- Provision for total length of fixture. 0-10V dimming.
- Provide AECOS software and CAD files for fabrication.
- New panelboard schedule with updated information.

### Panelboard Schedules

- Panel 1: Main
- Panel 2: Branch
- Panel 3: Branch

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**Notes:**
- NEW/EXIST:
- PANELBOARD SCHEDULE
- PANELBOARD SCHEDULE
- PANELBOARD SCHEDULE

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**Diagram:**

- ELECTRICAL RISER
- PANELBOARD SCHEDULE
- PANELBOARD SCHEDULE

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**Contact:**
Applied Energy Services (317) 810-4141
317.951.9192 T | 317.951.9194 F
Indianapolis, IN 46204

**Website:**
www.arcdesign.us