

Beard + Riser
ARCHITECTS PLLC
201 MAIN STREET | GREENWOOD, MS 38930

ADDENDUM #1

Project: Maintenance and Repair to Columbus Readiness Center
Columbus, MS
PN: 28170312

Professional: Beard + Riser Architects PLLC

Date Issued: August 25, 2017

Pages: 35 pages (including this page)



This addendum form is part of the Construction Documents, modifying and superseding where it is inconsistent with them. All other conditions of the Contract Documents remain unchanged. Acknowledge receipt of this addendum by inserting its number in the appropriate place on the bid proposal form:

1. **Addition:** Prebid Conference Meeting Minutes and Agenda attached.
2. **Revision:** Bid Form: Revised *Bid Form* attached. Refer to paragraph 1 *"this bid shall remain open and not be withdrawn for a period of sixty (60) days from the date prescribed for its opening."* The sixty (60) day withdrawal period is extended to **ninety (90) days**.
3. **Revision:** Revised drawing sheet A1.0 is attached.
4. **Addition:** Exhaust Fan Detail: Refer to attached supplemental drawing SD1 for structural requirements @ new CMU opening and fan mounting detail. Rough opening to be verified.
5. **Revision/Addition:** The attached twelve (12) page *Addendum No. 1* from Edmonds Engineers is attached.
6. **Clarification:** Clarification regarding penetrations in roof - Two new roof penetrations are required for mechanical installation. Provide manufacturers curb to match roofing type. Provide flashing in accordance with manufacturer's recommendations and existing warranty requirements.
7. **Addition:** Painting - Refer to attached revised sheet A1.0 for revised painting scope of work.
8. **Clarification:** Work by Owner - Owner will remove or relocate all furniture and equipment during the course of this work.
9. **Clarification:** Owner Occupancy - Owner will occupy designated portions of the building during construction. The GC is to coordinate the work to maintain services to occupied areas during construction.
10. **Clarification:** Exposed Conduits - All new and existing exposed conduits and piping are to be painted to match adjacent wall.
11. **Clarification:** Door Number Signage - All door number signs are to be removed for painting in the offices. GC to reinstall signs at completion of painting.
12. **Clarification:** Block and Crack Repair: Refer to restoration notes R5 and R6 sheet A1.0. CMU units are to be cut out and replaced to match existing where cracked or damaged. Mortar to match original. Where cracks in the wall are present cut out crack and fill with epoxy.

13. **Addition:** Asphalt Pavement Patch: Refer to MS1.1. Provide asphalt patch where asphalt drive is trenched for installation of sprinkler piping. Match thickness of existing pavement.
14. **Clarification:** Door Threshold: Refer to detail 6/A4.0. A custom formed aluminum threshold is acceptable.
15. **Addition:** A.C.T. Ceilings: The entire ceiling system including grid and tiles is to be replaced in Supply Room #102 and Office #103.
16. **Addition:** Hazardous Materials: Asbestos Testing has not been performed. Assume asbestos is present in all floor tiles/mastic and window glazing. Provide abatement for these areas. Abatement is to meet all local, state, and federal requirements.

Signature below acknowledges receipt of Addendum #1. Attach a signed copy of this document to the *Bid Form*.

Signed _____ Date _____

Company _____

END OF ADDENDUM #1



MEETING MINUTES

8.15.17 *Pre-Bid Conference*

Project: Maintenance and Repair to Columbus Readiness Center
 Columbus, Mississippi

Location: Columbus Readiness Center, Columbus, MS

Time: 10:30 a.m.

Attendees: refer to attached Attending Roster

Attachments: Attending Roster, Pre-Bid Conference Agenda

-
- Reviewed bidding requirements: Desiree Hilton reviewed bidding requirements as outlined on the attached agenda.
 - Bid date
 - Up until 1:30PM August 30, 2017. No bids will be accepted once doors close at 1:30 pm.
 - Bids will be received by the Adjutant General, State of MS, in the office of the Adjutant General; 1410 Riverside Drive, Jackson, MS.
 - Follow the “Bidding Requirements” section in project manual exactly.
 - No written additions or deducts are allowed on bid envelope.
 - Review the specifications thoroughly as the upfront requirements have changed.
 - 230 calendar days to complete the work.
 - 100% Performance (Form 25) and Payment Bonds (Form 25A) are required.
 - Liquidated Damages for the project are \$1,294.83 per day.
 - Addenda
 - Questions or clarifications will only be answered in writing via email or fax to the Professional by August 21, 2017, submitted to Mrs. Hilton’s by August 23, 2017.
 - It is critical that contractors become familiar with the building prior to submitting bids. Contact Sergeant Browning for building access between now and bid date.
 - ISSUES RAISED AT MEETING TO BE ADDRESSED VIA ADDENDUM:

- Clarify scope of interior painting touch-up. Concerns were voiced that a color match will be difficult.
- Is there an existing asbestos report?
- The return air vent located in Room #123 is to be removed and repaired with block to match existing.
- Clarification on block and crack repair was requested.
- Clarification on asphalt repair where drive is trenched for sprinkler supply line was requested.
- Clarification on roof curb cuts was requested. Is the existing roof under warranty?
- Sewer gas is present in the Men's Latrine. The source of the gas is unknown. The possibility of adding allowances for a smoke test and a video investigation was discussed.
- Is a formed aluminum threshold acceptable at the entrance to Kitchen #112?
- Clarify the floor finish in Room #108.
- Clarify the scope of ceramic tile patching in latrines where repairs occur and where heaters are demolished.
- Define scope of floor slab repairs in Library #132.
- Clarify sprinkler heads locations at Vault #1 and Vault #2.
- All data lines and connections will be provided by the Owner.
- ADA page A0.1 is provided for reference only. ADA upgrades are not included in the scope of work.
- The work is not phased, but will remain occupied during construction.
- Storage #124 and #125 are to remain. MEP is to be revised accordingly.
- Should the ceiling grid be replaced in Supply #102 and Office #103?
- All exposed conduits and piping are to be painted to match adjacent surfaces.

END OF MINUTES

Minutes prepared by: John Beard, AIA

ATTENDANCE ROSTER PRE-BID CONFERENCE

PROJECT: Maintenance and Repair to Columbus Readiness Center

LOCATION: Columbus, MS

TIME/DATE: 10:30 AM – August 15, 2017

(Print) NAME	FIRM REPRESENTED EMAIL ADDRESS	PHONE NUMBER OR CELL
Desiree Hilton	MS Military Dept. – Contracting dhilton@mil.ms.org	601-313-6246
Leon Sellers	MS Military Dept. – Project Mgmt Thomas.l.sellers8.nfg@mail.mil	601-313-6454
JOHN BEARD	BEARD + FISER ARCHITECTS JBEARD@BEARDFISER.COM	662-897-5678
Jonathan BYRON	BYRON Construction jbyron@byronconstruction.com	662-320-7323
Russell Crockett	Crockett Const. Co., Inc russell@crockettconstruction.com	662-418-324-0205
Tim Groover	tgroover@edmandsengineering.com	601-362-6478
Chris Marav	COTWA @ ball south.net Conerly Const	601-922-8700
LYNN ROBINSON	AIR CONTROL Eng	662-313-6327
Josh Foreman	Fireline Josh@fireline.ms.com	662-841-2595
Joe Morgan	J Morgan Company, LLC jocmorgan@jmcosservices.com	662-251-1623
CPT MATT PAYNE	Matthew J. Payne 4.MIL@MAIL.MIL	662-681-6508
SFC BROWNING DANNY	danny.r.browning2.mil@mail.mil	662-364-1395
Andy Dillard	adillard@mccartyking.com	662-316-8318
Justin King	jking@mccartyking.com	662-401-9495
Ricky Mordecai	RMORDECAI@BURKS MORDECAI.NET	662-574-4203
JORDAN MORDECAI	JORDAN@BURKS MORDECAI.NET	662-574-3501
Roderick Fox	RF Masonry Group	662-295-6880

PRE-BID CONFERENCE For

Maintenance and Repair to Columbus Readiness Center, Columbus, MS

1. If you haven't signed in please do so at this time.
2. Introductions: Contract Officer: Desiree Hilton
 PM: Leon Sellers
 A&E: Beard + Riser, Architects
 Military Personnel: _____
3. a. Make sure you read specifications as they have been updated. If clarification is needed, it will be covered by written addendum. Such clarification will only be in form of a response to a written request and received not less than six (6) working days prior to the bid opening. No clarification will be offered as a response to a telephone request. The A&E and Project Manager are my technical support. They can give you guidance and clarification on any technical matter.
- b. Amendments shall be distributed in a reasonable time for consideration of prospective bidders in preparing their bids. By law, no addendum will be issued within 2 working days (48 hours) of the time established for receipt of bids. Failure to do so may result in delay of bid opening. (See ITB Section 00 20 00 - 4/7)
4. Cover the following:
 - a. **Bid opening 1:30 p.m. August 30, 2017** in classroom 192B at Joint Forces Headquarters in Jackson, MS. Don't be late getting to the bid room we cannot except bids once door is closed at 1:30 P.M. Bring Driver Licenses for identification purposes. Bidder submitting bid, whether hand delivered or mailed, is responsible for ensuring that the sealed bid is delivered by the required time and the bidder assumes all risk of delivery. Bidder hand delivering his/her bid is encouraged to arrive 1 hour early to preclude any delays due to heighten security at our facility. Bidder mailing his /her bid must insure that the mailing envelope is marked same as described in the Direction Mailing Bids-DMB Section 00 21 13 -1/1. Bidder may modify the bid PRIOR to the scheduled closing time indicated in the Advertisement of Bids on the outside of the sealed envelope containing the bid. A fascimile will not be acceptable.
 - b. **Cover Bid Form, Envelope, Bid Security etc....**
 Bid Forms (found on ITB Section 00 20 00 - 1/7) and Bid Security (found on ITB Section 00 20 00 - 1/7)

All
addendums
should be
turned in to
Beard + Riser
no later than
21 Aug 2017

Beard + Riser
should turn in
addendums to
CO for
approval no
later than
23 Aug 2017

Make sure that they are properly filled out and signed.

Envelope (sample found pg DMB Section 00 21 13 - 1/1)
Make sure you properly mark the envelopes

Certificate of Responsibility Number (ITB Section 00 20 00 - 4/7-5/7)
Make sure your number is up to date and on outside of envelope as shown on Sample

c. **COVER FED CLAUSES** Although this is a State Contract hence it has Federal Funds tied to it therefore Federal Clauses such as the Buy American Act apply (found on pg GC Section 00 70 00 - 29/33).

The Davis-Bacon **Wage Rate does not apply**. The Davis-Bacon **Overtime does apply**. (anything over 40 hrs a week is time and a half)
(NO CERTIFIED PAYROLL REQUIRED FOR THE MILITARY DEPT)

d. No Asbestos material used in construction. (found on pg GC Section 00 70 00 - 15/33, Hazardous Waste Materials)

e. Out of State Bidders – read pg ITB Section 00 20 00 - 5/7 for Non Resident Contractors

f. C&D (Construction & Debris) Report found on pg GC Section 00 70 00 – 3/33

g. Minority Tracking or Participation Form – found on page Special Instructions, SI Section 00 73 02-3/4 will be discussed at Pre-Construction/Notice to Proceed meeting. NOT REQUIRED WITH BID.

h. Insurance and Bonds, Article 11, page AIASC Section 00 73 03 12/17-14/17

i. Bid the project as you see it. Change Orders are intended for unforeseen conditions. Frivolous or non essential change orders will not be tolerated.

j. We plan to award the entire project but it will be determined based on fund availability. Bidders are to hold bids for a period of 120 days.

k. Liquidated Damages are in the amount of **\$1,294.83** with calendar days of **230** to complete the project. Liquidated Damages WILL BE ASSESSED if project is not completed within **230** days without justifiable time extension requested and approved. The **230** days includes time needed for processing of close out documents and final pay applications.

5. Take questions

6. Turn conference over to project officer and architect for technical portion.

9. INTERPRETATION OF THE CONTRACT DOCUMENTS

It shall be incumbent upon all bidders to understand the provisions of the specifications and to obtain clarification prior to the time and date set for the bid opening. Such clarification will **only** be in form of a response to a written request and received not less than six (6) working days prior to the bid opening. No clarification will be offered as a response to a telephone request.

If any person contemplating submitting a bid for the proposed contract is in doubt as to the true meaning of any part of plans, specifications, or other contract documents, they may submit a written request for interpretation thereof to the State Contract Officer, Chief and/or Contracting Officer at **Fax No. 601-313-6163**. The person submitting a request will be responsible for its prompt delivery.

Any interpretations of the proposed documents will be made only by addendum duly issued and a copy of such addendum will be mailed or delivered to each person receiving a set of such documents. The Owner will not be responsible for any other explanations of the proposed documents.

Addenda modifying the specifications may be issued if time permits. No addendum will be issued within a period of two working days prior to the time and date set for the bid opening. Should it become necessary to issue an addendum within the two day period to the bid opening, the bid date will be reset giving bidders ample time to answer the addendum. When replying to a bid request on which an addendum has been issued, the bidder shall attach a copy of the addendum with the bid which will indicate the acknowledgement of receipt of that addendum and that the bid is being offered in compliance therewith. Failure to attach a copy of the addendum may result in the bid being rejected as not being in accordance with the revised specifications.

10. DISQUALIFICATION OF BIDDER: A Bidder may be disqualified for any of the following reasons:

- a. Failure to comply with the bid requirements.
- b. Bidder is in arrears on existing Contracts with the Owner or another state agency.
- c. Bidder is, or anticipates being, in litigation or arbitration with the Owner or another state agency.
- d. Bidder has defaulted on a previous Contract.

11. CERTIFICATION OF RESPONSIBILITY (COR)

a. The Mississippi State Board of Contractors is responsible for issuing Certificates of Responsibility to Contractors. To be awarded a Contract for public work, Sections 31-3-15 and 31-3-21 of the **Mississippi Code 1972, Annotated** requires a Contractor to have a current Certificate of Responsibility at bid time and during the entire length of the job. The Certificate of Responsibility number issued becomes a significant item in all public bidding.

SECTION 00 21 13

DIRECTION FOR MAILING BIDS

ANY BID NOT MARKED ACCORDINGLY WILL BE DISQUALIFIED

ALL BIDS WILL BE PLACED IN SEALED ENVELOPE AND MARKED AS FOLLOWS:

IF BID DOES NOT EXCEED \$50,000

NAME/ADDRESS OF CONTRACTOR

THE ADJUTANT GENERAL
STATE OF MISSISSIPPI
ATTN: NGMS-SRC
1410 RIVERSIDE DRIVE
JACKSON, MS 39202-1271

"BID" (Write in Title of Project as listed on specifications)

"ENCLOSED BID DOES NOT EXCEED \$50,000"

IF BID DOES EXCEED \$50,000

NAME/ADDRESS OF CONTRACTOR

THE ADJUTANT GENERAL
STATE OF MISSISSIPPI
ATTN: NGMS-SRC
1410 RIVERSIDE DRIVE
JACKSON, MS 39202-1271

"BID" (Write in Title of Project as listed on specifications)

"CERTIFICATE OF RESPONSIBILITY NUMBER _____"

41. SUBCONTRACTOR COST OR PRICING DATA-PRICE ADJUSTMENTS - Insert the following clause in all contracts, both formally advertised and negotiated, which exceed \$100,000:

a. Paragraphs (b) and (c) of this Clause shall become operative with respect to any modification made pursuant to one or more provisions of this contract which involves aggregate increases and/or decreases in costs plus applicable profits expected to exceed \$100,000. The requirements of this Clause shall be limited to such modifications.

b. The Contractor shall require Subcontractors hereunder to submit cost or pricing data under the following circumstances: (i) prior to the award of any subcontract the amount of which is expected to exceed \$100,000 when entered into; (ii) prior to the pricing of any subcontract modification which involves aggregate increases and/or decreases in costs plus applicable profits expected to exceed \$100,000; except where the price is based on adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public, or prices set by law or regulation.

c. The Contractor shall require Subcontractors to certify that to the best of their knowledge and belief the cost and pricing data submitted under (b) above is accurate, complete, and current as of the date of agreement on the negotiated price of the subcontract or subcontract change or modification.

d. The Contractor shall insert the substance of this Clause including this paragraph (d) in each subcontract which exceeds \$100,000.

42. BUY AMERICAN ACT

a. Agreement. In accordance with the Buy American Act (41 U.S.C. 10a-10d), the Contractor agrees that only domestic construction material will be used (by the Contractor, Subcontractors, materialmen, and supplies) in the performance of this contract, except for nondomestic construction material listed in the "Nondomestic Construction Materials" Clause, if any, of this contract.

b. Domestic Construction Material. "Construction Material" means any article, material, or supply brought to the construction site for incorporation in the building or work. An unmanufactured construction material is a "Domestic Construction Material" if it has been mined or produced in the United States. A manufactured construction material is a "Domestic Construction Material" if it has been manufactured in the United States and if the cost of its components which have been mined, produced, or manufactured in the United States exceed 50 percent of the cost of all its components. "Component" means any article, material, or supply directly incorporated in a construction material.

c. Domestic Component. A component shall be considered to have been "mined, produced, or manufactured in the United States" (regardless of its source in fact) if the article, material, or supply in which it is incorporated was manufactured in the United States and the component is of a class or kind determined by the Government to be not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality.

11. MATERIAL AND WORKMANSHIP - Unless otherwise specifically provided for in the Contract Documents, all equipment, materials, and articles incorporated in the work covered by this contract are to be new and of the most suitable grade of their respective kinds for the purpose intended, and all workmanship shall be first class. Where equipment, materials, or articles are referred to in the Contract Documents as "equal to" any particular standard, the State Contract Officer, Chief and/or Contracting Officer shall decide the question of equality. The Contractor shall furnish to the State Contract Officer, Chief and/or Contracting Officer for approval the name of the manufacturer of machinery, mechanical and other equipment which he/she contemplates incorporating in the work, together with their performance capacities and other pertinent information. When required by the Contract Documents, or when called for by the State Contract Officer, Chief and/or Contracting Officer, the Contractor shall furnish to the State Contract Officer, Chief and/or Contracting Officer for approval full information concerning the materials or articles which he/she contemplates incorporating in the work. Samples of materials shall be submitted for approval when so directed. Machinery, equipment, materials, and articles installed or used without such approval shall be at the risk of subsequent rejection. The State Contract Officer, Chief and/or Contracting Officer may in writing require the Contractor to remove from the work site such employee as the State Contract Officer, Chief and/or Contracting Officer deems incompetent, careless, insubordinate, or otherwise objectionable, or whose continued employment on the work site is deemed by the State Contract Officer, Chief and/or Contracting Officer to be contrary to the public interest.

12. HAZARDOUS WASTE MATERIALS - The Contractor is responsible for the removal and disposal of any hazardous waste materials encountered in the performance of the Contract requirements. Hazardous Containing Materials [HCM] include, but are not limited to, Asbestos and Lead Paint and should be identified and removed as a part of the Contract. The absence of details does not relieve the Contractor from the responsibility of removal and disposal; but, a Change Order could be executed in the absence of identified HCM in the documents.

13. CONTRACT DRAWINGS AND SPECIFICATIONS

a. Omissions from the drawings or specifications or the miss-description of details of work which are manifestly necessary to carry out the intent of the drawings and specifications, or which are customarily performed, shall not relieve the Contractor from performing such omitted or miss-described details of the work but they shall be performed as if fully correctly set forth and described in the drawings and specifications.

b. The Contractor shall check all drawings furnished him/her immediately upon their receipt and shall promptly notify the State Contract Officer, Chief and/or Contracting Officer of any discrepancies. Figures marked on drawings shall in general be followed in preference to scale measurements. Large scale drawings shall in general govern small scale drawings. The Contractor shall compare all drawings and verify the figures before laying out the work and will be responsible for any errors which might have been avoided thereby.

b. **Bid Under \$50,000:** If a Bidder submits a bid not exceeding \$50,000, no Certificate of Responsibility number is required; however, a notation stating the bid does not exceed \$50,000 must appear on the face of the envelope, or a Certificate of Responsibility number. SEE Directions for Mailing Bids, section 00 21 13, page DMB-1/1 for example.

c. **Bid Over \$50,000:** Each Bidder submitting a bid in excess of \$50,000 must show its Certificate of Responsibility number on the bid and on the face of the envelope containing the bid. SEE Directions for Mailing Bids, section 00 21 13, page DMB-1/1 for example.

d. **Joint Venture Bid:** When multiple Contractors submit a joint venture bid in excess of \$50,000, a *joint venture* Certificate of Responsibility number must be shown on the bid and on the face of the envelope containing the bid. If the Multiple-Contractor joint venture has no *joint venture* Certificate of Responsibility number, each of the Contractors participating in the bid must indicate their individual Certificate of Responsibility numbers on the bid and on the face of the envelope.

12. BID SECURITY-BIDDING REQUIREMENTS

All bids shall be accompanied by a Bid Security in the sum of five percent (5%) of the contract price. Bid Security shall be a cashier's or certified check or a duly executed copy of Bid Bond, using the Mississippi Military Department's Standard Form 24 or equivalent Form from the bidders Bonding Company. Contractors bidding using the Standard Form 24 will be furnished a copy from the Mississippi Military Department, State Purchasing and Contracting Division. (Example shown in Contract Forms Section, page BB-1-2).

13. CONTRACT BOND

Prior to award of contract, the Contractor will be expected to execute a Performance Bond, Standard Form 25 and a Payment Bond, Standard Form 25-A or equivalent Form from the bidders Bonding Company. When executed, this document will be bound here with final Contract Documents. (Example shown in Contract Forms Section, pages PaB 1-2 & PeB 1-2).

14. NONRESIDENT CONTRACTOR

When a Nonresident Contractor submits a bid for a public project, he/she shall attach thereto one of the following:

a. A copy of his/her resident state's current law pertaining to such state's treatment of Nonresident Contractors. As used in this section, the term "Resident Contractors" includes a nonresident person, firm or corporation that has been qualified to do business in this state and has maintained a permanent full-time office in the State of Mississippi for two (2) years prior to submission of the bid and the subsidiaries and affiliates of such a person, firm or corporation.

b. A statement indicating the State of (Name of the State) has no resident contractor preference law.

AFTER AWARD

C&D Debris Report

PROJECT NAME and NUMBER _____

PAY APP NUMBER _____

LOCATION _____

DATE _____

QUANTITY (#)	TONS (✓)	LBS (✓)	YARDS (✓)	DEBRIS DIVERTED FROM LANDFILL (Y or N)	
					ABC-Asphalt
					ABC-Brick
					ABC-Concrete
					ABC-OTHER (C&D Masonry/Asphalt)
					ABC-Stone
					Land-Crushed Stone/Base
					Land-OTHER (C&D Land Clearing)
					Land-Soil, Lead-Tainted, Non-Hazardous
					Land-Soil, Petroleum-Tainted
					Land-Soil, Subsoil
					Land-Soil, Top
					Land-Vegetation/Timber (Tree Trunks & Limbs)
					Metal-Aluminum
					Metal-Copper
					Metal-Mixed Metal
					Metal-OTHER (C&D Metal)
					Metal - Steel
					OD/I/M - Ceiling Tile
					OD/I/M - Composition Roof
					OD/I/M - Doors/Windows/Stairs/Cabinets
					OD/I/M - Glass
					OD/I/M - Gypsum/Plaster

QUANTITY (#)	TONS (✓)	LBS (✓)	YARDS (✓)	DIVERTED FROM LANDFILL (Y or N)	
					OD/I/M - Insulation
					OD/I/M - OTHER (C&D Other)
					OD/I/M - Paper
					OD/I/M - Plastic
					OD/I/M - Siding
					Recycled C&D Debris
					Wood - Finished
					Wood - OTHER (C&D Wood)
					Wood - Structural
					Wood - Treated
					OTHER: _____
					OTHER: _____
					OTHER: _____
					OTHER: _____
					OTHER: _____
					OTHER: _____

Project Manager

AFTER AWARD

CONDITIONS OF THE CONTRACT

SPECIAL INSTRUCTIONS

MISSISSIPPI MILITARY DEPARTMENT

Minority Tracking or Participation Form

Any responses will be deemed public information and may be incorporated into reporting information compiled by the Owner in the following manner: Contractors that listed minority participation, Contractors that did not list minority participation and Contractors that submitted an incomplete (partially filled-out or blank) form.

Section 00 43 00: SCOPE OF WORK

1.01 General Description of work covered by Contract Documents

Section 00 73 02, paragraph 8, page, SI Section 00 73 02 - 2/3

The Prime General Contractor will submit to the Owner within seven (7) days from the Notice to Proceed, a completed *Minority Tracking Form* outlining the use of minority subcontractors that will be used on the project.

Minority - A person who is a citizen or lawful permanent resident of the United States and who is the following: African American, Hispanic American, Asian American, American Indian or Female

Project Name, Location and Number: _____

General Contractor: (Name) _____

Check the Following Appropriate Box

☐

There are NO minority participants Included in this bid proposal.

☐

There are minority participants Included in this bid proposal. The minority participants may be defined as: Subcontractor(s) or Supplier(s).

List minority participants and their discipline/responsibility per the above or per Construction Specification Institution (CSI) sixteen (16) divisions.

Name: _____

Division: _____

Amount \$ _____

Name: _____

Division: _____

Amount \$ _____

Name: _____

Division: _____

Amount \$ _____

CONDITIONS OF THE CONTRACT

SPECIAL INSTRUCTIONS

Page 2 of 2 (Submit if necessary)

Minority Participation Form

Name: _____

Division: _____

Amount \$ _____

Name: _____

Division: _____

Amount \$ _____

Name: _____

Division: _____

Amount \$ _____

Name: _____

Division: _____

Amount \$ _____

Name: _____

Division: _____

Amount \$ _____

Name: _____

Division: _____

Amount \$ _____

Name: _____

Division: _____

Amount \$ _____

SSF

SI Section 00 73 02-4/4

Article 11
INSURANCE AND BONDS

11.1 CONTRACTOR'S LIABILITY INSURANCE

11.1.3 Change this first sentence of this Subparagraph to read as follows:

Certificate of insurance acceptable to the Owner shall be submitted to the COC/CO prior to issuance of the Notice-To-Proceed and thereafter upon renewal or replacement of each required policy of insurance.

11.1.4 Delete this Subparagraph in its entirety.

11.1.5 Add a new Subparagraph as follows:

The Contractor's limits of liability shall be written for not less than the following:

.1 GENERAL LIABILITY:

Commercial General Liability

(Including XCU if project is over \$500,000.00)

<i>General Aggregate.....</i>	<i>\$ 1,000,000.00 Aggregate</i>
<i>Products & Completed Operations.....</i>	<i>\$ 1,000,000.00 Aggregate</i>
<i>Personal & Advertising Injury.....</i>	<i>\$ 500,000.00 Per Occurrence</i>
<i>Bodily Injury & Property Damage.....</i>	<i>\$ 1,000,000.00 Per Occurrence</i>
<i>Fire Damage Liability.....</i>	<i>\$ 50,000.00 Per Occurrence</i>
<i>Medical Expense.....</i>	<i>\$ 5,000.00 Per Person</i>

.2 OWNERS & CONTRACTORS PROTECTIVE LIABILITY:

<i>Bodily Injury & Property Damage.....</i>	<i>\$ 1,000,000.00 Aggregate</i>
<i>Bodily Injury & Property Damage.....</i>	<i>\$ 500,000.00 Per Occurrence</i>

.3 AUTOMOBILE LIABILITY:

(Owned, Non-owned & Hired Vehicles)

Contractor Insurance Option Number 1:

<i>Bodily Injury & Property Damage.....</i>	<i>\$ 500,000.00 Per Occurrence</i>
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(Combined Single Limit)

Contractor Insurance Option Number 2:

SSF

AIASC SECTION 00 73 03 12/17

<i>Bodily Injury.....</i>	<i>\$ 250,000.00 Per Person</i>
<i>Bodily Injury.....</i>	<i>\$ 500,000.00 Per Accident</i>
<i>Property Damage.....</i>	<i>\$ 100,000.00 Per Occurrence</i>

.4 EXCESS LIABILITY:

(Umbrella on projects over \$500,000)

<i>Bodily Injury & Property Damage.....</i>	<i>\$ 1,000,000.00 Aggregate</i>
---	----------------------------------

(Combined Single Limit)

.5 WORKERS' COMPENSATION:

(As required by Statute)

EMPLOYERS' LIABILITY:

<i>Accident.....</i>	<i>\$ 100,000.00 Per Occurrence</i>
<i>Disease.....</i>	<i>\$ 500,000.00 Policy Limit</i>
<i>Disease.....</i>	<i>\$ 100,000.00 Per Employee</i>

.6 PROPERTY INSURANCE:

Builder's Risk \$ Equal to Value of Work
or
Installation Floater \$ Equal to Value of Work

NOTE: Builder's Risk Insurance will NOT be required when project is demolition ONLY. It will be required for all other projects including paving..

11.1.6 Add a new Subparagraph as follows:

If the coverages are provided on a claims-made basis, the policy date or retroactive date shall predate the Contract; the termination date, or the policy, or applicable extended reporting period shall be no earlier than the termination date of coverages required to be maintained after final payment.

11.2 OWNER'S LIABILITY INSURANCE

Delete this Paragraph in its entirety and substitute the following:

*The Contractor shall purchase and maintain such insurance as will protect the Owner from his contingent liability to others for damages because of bodily injury, including death, and property damage, which may arise from operations under this Contract and other liability for damages which the Contractor is required to insure under any provision of this Contract. Certificate of this insurance will be filed with the Owner and will be the same limits set forth in 11.1.*5.*

11.3 PROPERTY INSURANCE (BUILDER'S RISK OR INSTALLATION FLOATER)

11.3.1 Change the first line in this Subparagraph to read as follows:

The Contractor shall purchase...

11.3.1.2 Delete this Clause under Subparagraph 11.3.1 in its entirety.

11.3.1.3 Change the following Clause in this Subparagraph to read as follows:

If the property insurance requires deductibles, the Contractor shall pay costs not covered because of such deductibles.

11.3.2 Delete this Subparagraph in its entirety.

11.3.3 Delete this Subparagraph in its entirety.

SSF

AIASC SECTION 00 73 0313/17

11.3.4 Delete this Subparagraph in its entirety.

11.3.5 Delete this Subparagraph in its entirety.

11.3.6 Delete this Subparagraph in its entirety.

11.3.7 Delete this Subparagraph in its entirety.

11.3.8 Delete this Subparagraph in its entirety

11.3.9 Delete this Subparagraph in its entirety

11.3.10 Change this Subparagraph to read as follows:

The Owner as fiduciary shall have power to adjust and settle a loss with Insurers unless one of the parties in interest shall object in writing within five (5) days after occurrence of loss.

BIDDING REQUIREMENTS

BID FORM

SECTION 00 40 00

BID FORM

SUBMITTED BY: _____ DATE: _____
(Name of Firm)

TO: The Adjutant General
State of Mississippi
ATTN: NGMS-SRC
1410 Riverside Drive
Jackson, Mississippi 39202-1271

RE: Maintenance and Repair to Columbus Readiness Center

Gentlemen:

In compliance with your advertisement for bids, the undersigned, having become thoroughly familiar with the terms and conditions of the proposed Contract Documents and with local conditions affecting the performance and costs of the work at the site in all particulars, hereby proposes and agrees to fully perform the work within the time stated and in strict accordance with proposed Contract Documents, including furnishing any and all plant, labor, and materials, and to do work required to construct and complete said work in accordance with Contract Documents, for the following sum of money:

BASE BID: All labor, materials, services and equipment necessary for the completion of the work as indicated on the plans and specifications and other contract documents for the sum of:

_____ DOLLARS AND _____ CENTS
(Words) (Words)

(\$ _____).
(Figures)

BIDDING REQUIREMENTS

BID FORM

ALTERNATES: (Refer to SW/BI Section 00 43 00 - 1/1 in the specifications)

UNIT PRICES: (Refer to SW/BI Section 00 43 00 - 1/1 in the specifications)

ADDITIVE ALTERNATE NO. 1:

Add the cost of new exterior windows. Include the cost of existing window demolition.

_____ DOLLARS AND _____ CENTS
(Words) (Words)
(\$ _____).
(Figures)

ADDITIVE ALTERNATE NO. 2:

Add the cost of new VCT flooring and base. Include the cost of existing VCT flooring and base demolition.

_____ DOLLARS AND _____ CENTS
(Words) (Words)
(\$ _____).
(Figures)

ADDITIVE ALTERNATE NO. 3:

Add the cost of cleaning and sealing concrete floors.

_____ DOLLARS AND _____ CENTS
(Words) (Words)
(\$ _____).
(Figures)

SSF

BF Section 00 40 00 - 2/4

BIDDING REQUIREMENTS

BID FORM

1. I understand that the Owner reserves the right to reject this bid and to waive informalities, but that this bid shall remain open and not be withdrawn for a period of **ninety (90)** days from the date prescribed for its opening.
2. The Bidder further agrees that if awarded the contract, he/she will furnish and deliver to the Owner the *Performance Bond, Labor and Material Payment Bond, Certificate of Insurance Coverage and specified contract forms, all within ten (10) days after personal delivery or after deposit in the mail of Notification of Acceptance of this bid. Bidder further agrees to commence work within ten (10) calendar days of the effective date of the written Notice-to-Proceed and to complete the project on or before 230 calendar days after the effective date of the Notice to Proceed. Completion will include receipt of all Close Out Documents and Final Payment received in the office of NGMS-SRC. In the case of failure on the part of the contractor to complete the work within the time fixed in the contract or any extension thereof, the contractor shall pay to the State as liquidated damages, not as penalty, the sum of \$1,294.83 per calendar day.
 - Or ONE PAYMENT option (Page ITB Section 00 20 00 - 6/7)
3. Notice of Acceptance, or request for additional information may be addressed to the undersigned at the address set forth below.
4. Security (Bid Bond, GSA Standard Form 24), as required by the Invitation is enclosed, and is to become the property of the Owner in the event the Contract Agreement and associated forms are not executed within the prescribed time as liquidated damages, not as penalty, for the delay and additional expense caused thereby. However, Bid Security will be returned to bidder upon contract award.
5. I agree to complete all work, to include the submission of ALL Close Out Documents and Final Pay Request in the number of consecutive calendar days stated above.

Signed: _____

Title: _____

(Name/Address of Firm Bidding)

(Phone Number of Firm Bidding)

SSF

BF Section 00 40 00 - 3/4

BIDDING REQUIREMENTS

BID FORM

CONTRACTOR’S CERTIFICATE OF RESPONSIBILITY NUMBER _____

The Corporation (if applicable) is chartered under the laws of the State of _____ and the names, title and business addressed of the executive are as follows:

NAMES:

ADDRESSES:

President

Address

Secretary

Address

Treasurer

Address

TO BE FILLED IN IF A PARTNERSHIP:

Our partnership is composed of the following individuals:

NAMES

ADDRESSES

RECEIPT OF THE FOLLOWING ADDENDA IS ACKNOWLEDGED:

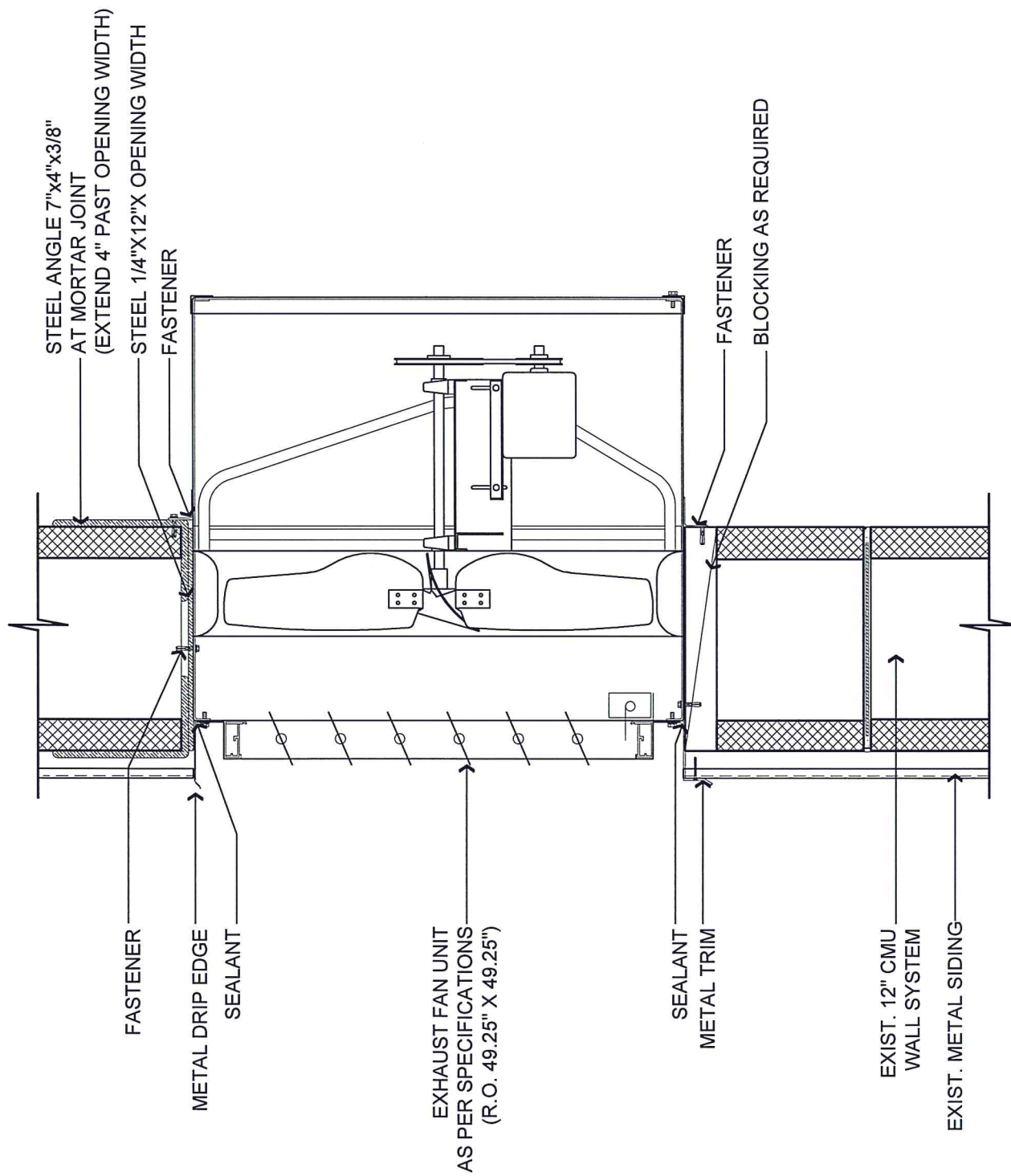
ADDENDUM No.	DATED	ADDENDUM No.	DATED	ADDENDUM No.	DATED
_____	_____	_____	_____	_____	_____

END OF PROPOSAL

DATE: July 2017
REVISIONS: --
DRAWN BY: CB
CHECKED BY: JB

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	8/25/17	ADDENDUM 1	CB

COLUMBUS READINESS CENTER
Maintenance & Repair to Columbus Readiness Center
Columbus, MS
PN: 28170312



August 21, 2017

ADDENDUM NO. 1

PROJECT: Maintenance & Repairs to Columbus Readiness Center
Columbus, Mississippi

FROM: Edmonds Engineering, Inc.
1900 Lakeland Drive, Suite 1
Jackson, Mississippi 39216

The following additions, changes, clarifications and/or substitutions to the Project Drawings as indicated are hereby made a part of the Contract Documents. Acknowledge receipt of this Addendum by inserting its number and date in the Proposal Form where indicated.

Item No. 1: Specifications, Section 230593.1.3.1, replace Paragraph "A" with the following:

- A. TAB Agency: The TAB Agency shall be a subcontractor of the Mechanical Contractor and shall report to and be paid by the Mechanical Contractor.

Item No. 2: Drawings, Sheet P1.1, add the following General Notes:

General Notes:

1. Plumbing Contractor is to include an allowance of \$1,800.00 to smoke test the existing sanitary sewer and re-vent system in Male Latrine 107. Test will be to identify location of sewer gas leak into latrine.
2. Plumbing Contractor is to include an allowance of \$3,200.00 to camera and video the existing sanitary sewer system in Male Latrine 107. Camera will be used to identify location of possible break in sewer line allowing sewer gas into latrine.

Item No. 3: Drawings, Sheet M1.1, add the following General Note:

General Note:

1. Mechanical Contractor is to coordinate all new roof curb penetrations with the General Contractor. General Contractor is responsible for cutting in and flashing new roof penetrations. General Contractor is to coordinate with and maintain all existing roof warranties.

Item No. 4: Drawings, Sheet M1.1: Revise layout of 123 Classroom #2 as shown on attached Drawing M1.1R1.

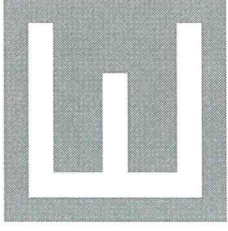
Item No. 5: Drawings, Sheet M1.1: Change outside air supply branch duct line in Gym 106 from 6" diameter to 8" diameter. Change outside air supply branch duct line in Classroom 108 from 10" diameter to 12" diameter.

Item No. 6: Drawings, Sheet M2.1: Add IHP-30 and related refrigerant piping as shown on attached Drawing M2.1R1.

Item No. 7: Drawings, Sheet M3.1: Replace Heat Pump Air Handling Units Schedule with attached revised Heat Pump Air Handling Units Schedule as shown on Drawing M3.1R1.

- Item No. 8: Drawings, Sheet M3.1: Replace Grilles, Registers and Diffusers Schedule with attached revised Grilles, Registers and Diffusers Schedule as shown on Drawing M3.1R2.
- Item No. 9: Drawings, Sheet M3.1: Replace Energy Recovery Ventilators Schedule with the attached revised Energy Recovery Ventilators Schedule as shown on Drawing M3.1R3.
- Item No. 10: Drawings, Sheet FP1.1: Omit branch piping and sprinkler head show in Vault #1 104. Head shown in Vault #2 118 is to be installed above vault concrete ceiling. *No penetrations are to be made in vault concrete ceilings.
- Item No. 11: Drawings, Sheet E0.2: Revise Power Connection Schedule as shown on attached Drawing E0.2R1.
- Item No. 12: Drawings, Sheet E0.2: Revise fixture schedule as shown on attached E0.2R2.
- Item No. 13: Drawings, Sheet E0.3: Revise panel LM schedule as shown on attached Drawing E0.3R1.
- Item No. 14: Drawings, Sheet E1.1: Revise lighting and switching layouts in areas shown on attached Drawing E1.1R1.
- Item No. 15: Drawings, Sheet E2.1: Revise mechanical connections in storage area and MDP location as shown on attached Drawing E2.1R1.
- Item No. 16: Drawings, Sheet E2.1: The only communications scope in this project is in room 123 classroom #2. Rough-in to be provided for the floor box as noted in keynote 4 with empty conduit bushed and provided with pull string for cabling by others. All communications outlets on site are existing to remain as-is.

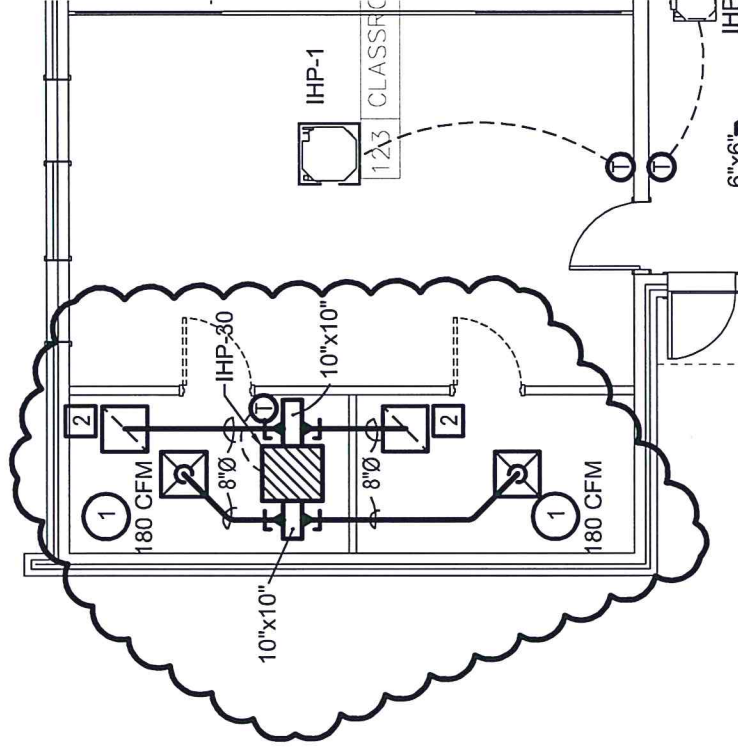
END OF ADDENDUM NO. 1



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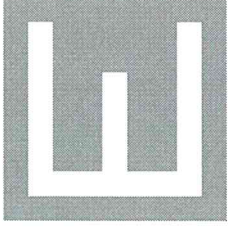
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PARTIAL FLOOR PLAN - H.V.A.C.

SCALE: 1/8" = 1'-0"

DATE	REVISION	NO
DATE: AUGUST 21, 2017		
PROJECT NO.		
JAN17012		
Sheet Number		
M1.1R1		
1 OF 1		



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DATE	REVISION	NO

DATE:
 AUGUST 21, 2017

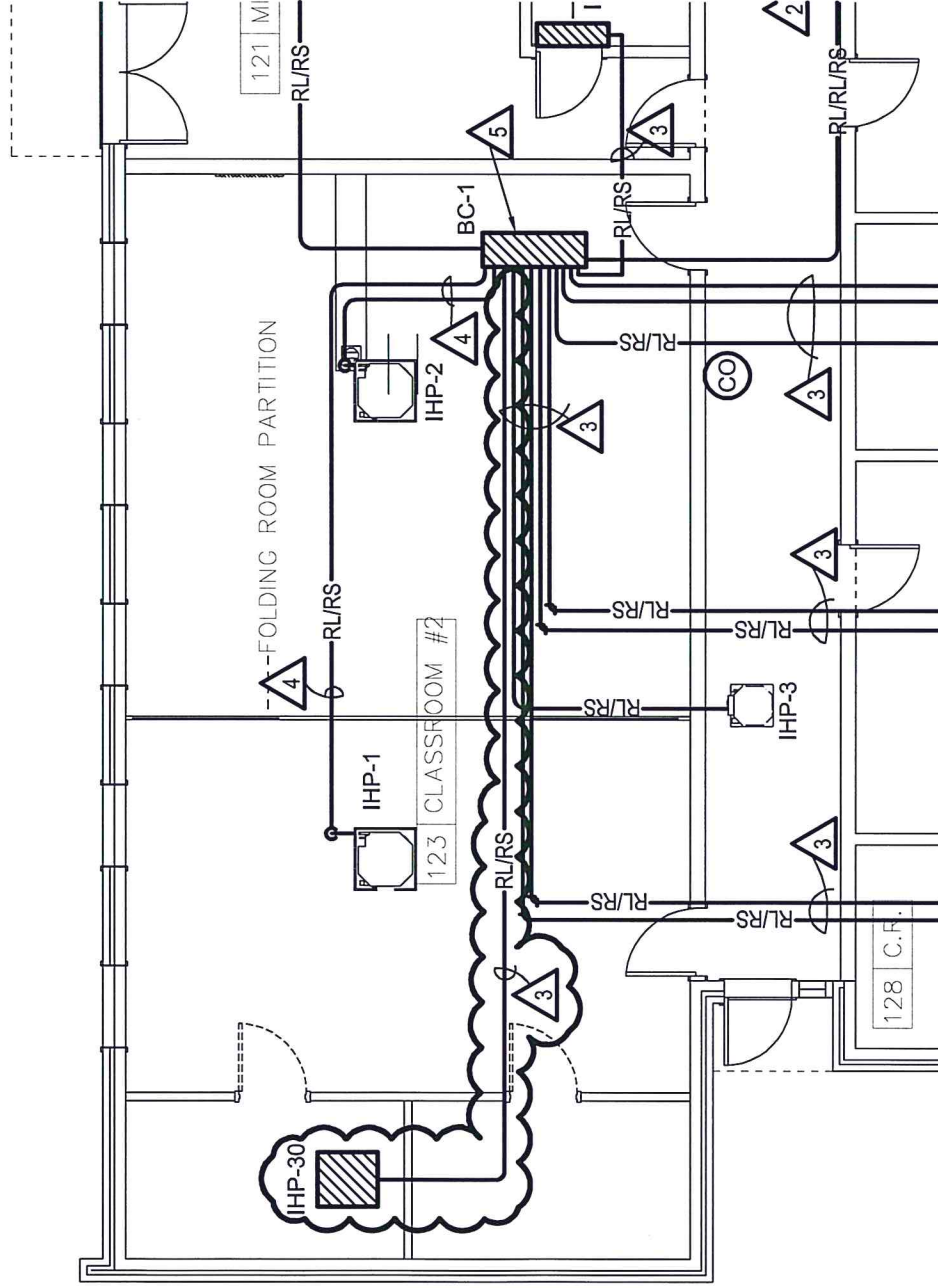
PROJECT NO.

JAN17012

Sheet Number

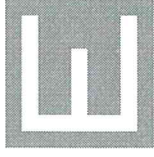
M2.1R1

1 OF 1



PARTIAL FLOOR PLAN - H.V.A.C. PIPING

SCALE: 1/8" = 1'-0"



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HEAT PUMP AIR HANDLING UNITS

MARK	TOTAL CFM	O.A. CFM	EXTERNAL S.P. IN W.G.	E.W.T.		TOTAL MBH	SENSIBLE MBH	REVERSE CYCLE MBH	REFRIGERANT	REFR. PIPE SIZES	ELEC. DATA		M.C.A./M.O.P.	MODEL NUMBERS	
				D.B.	W.B.						SERVICE			MANUF.	AHU
IHP-1	560	-	0.2	80	67	18.0	-	20.0	R410A	1/4" ; 1/2"	208v, 1ph		0.45/15.0	mitsubishi	PLFY-P18NBMU-E
IHP-2	630	-	0.2	80	67	24.0	-	27.0	R410A	3/8" ; 3/8"	208v, 1ph		0.54/15.0	mitsubishi	PLFY-P24NBMU-E
IHP-3	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-4	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-5	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-6	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-7	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-8	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-9	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-10	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-11	350	-	0.2	80	67	15.0	-	17.0	R410A	1/4" ; 1/2"	208v, 1ph		0.35/15.0	mitsubishi	PLFY-P15NCMU-E
IHP-12	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-13	350	-	0.2	80	67	15.0	-	17.0	R410A	1/4" ; 1/2"	208v, 1ph		0.35/15.0	mitsubishi	PLFY-P15NCMU-E
IHP-14	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-15	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-16	350	-	0.2	80	67	15.0	-	17.0	R410A	1/4" ; 1/2"	208v, 1ph		0.35/15.0	mitsubishi	PLFY-P15NCMU-E
IHP-17	350	-	0.2	80	67	12.0	-	13.5	R410A	1/4" ; 1/2"	208v, 1ph		0.35/15.0	mitsubishi	PLFY-P12NCMU-E
IHP-18	350	-	0.2	80	67	15.0	-	17.0	R410A	1/4" ; 1/2"	208v, 1ph		0.35/15.0	mitsubishi	PLFY-P15NCMU-E
IHP-19	350	-	0.2	80	67	12.0	-	13.5	R410A	1/4" ; 1/2"	208v, 1ph		0.35/15.0	mitsubishi	PLFY-P12NCMU-E
IHP-20	630	-	0.2	80	67	24.0	-	27.0	R410A	3/8" ; 3/8"	208v, 1ph		0.54/15.0	mitsubishi	PLFY-P24NBMU-E
IHP-21	630	-	0.2	80	67	24.0	-	27.0	R410A	3/8" ; 3/8"	208v, 1ph		0.54/15.0	mitsubishi	PLFY-P24NBMU-E
IHP-22	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-23	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-24	630	-	0.2	80	67	24.0	-	27.0	R410A	3/8" ; 3/8"	208v, 1ph		0.54/15.0	mitsubishi	PLFY-P24NBMU-E
IHP-25	630	-	0.2	80	67	24.0	-	27.0	R410A	3/8" ; 3/8"	208v, 1ph		0.54/15.0	mitsubishi	PLFY-P24NBMU-E
IHP-26	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-27	560	-	0.2	80	67	18.0	-	20.0	R410A	1/4" ; 1/2"	208v, 1ph		0.45/15.0	mitsubishi	PLFY-P18NBMU-E
IHP-28	320	-	0.2	80	67	8.0	-	9.0	R410A	1/4" ; 1/2"	208v, 1ph		0.29/15.0	mitsubishi	PLFY-P08NCMU-E
IHP-29	350	-	0.2	80	67	12.0	-	13.5	R410A	1/4" ; 1/2"	208v, 1ph		0.35/15.0	mitsubishi	PLFY-P12NCMU-E
IHP-30	360	-	0.5	80	67	12.0	-	13.5	R410A	1/4" ; 1/2"	208v, 1ph		0.66/15.0	mitsubishi	PEFY-P12NNMU-E3*

BC CONTROLLERS:

BC-1: MITSUBISHI CMB-P1016NU-HA; 208v/1ph; 2 AMPS.
BC-2: MITSUBISHI CMB-P1008NU-G; 208v/1ph; 2 AMPS.

PROVIDE SERVICE BALL VALVES FOR EACH INDOOR UNIT AT BC CONTROLLERS.

*PROVIDE FMB SERIES FILTER BOX

DATE					
REVISION					
NO					

DATE:
AUGUST 21, 2017

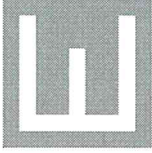
PROJECT NO.

JAN17012

Sheet Number

M3.1R1

1 OF 1

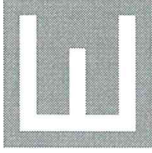


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GRILLES, REGISTERS AND DIFFUSERS

MARK	TYPE	CFM RANGE	NECK SIZE	FACE SIZE	DEFL.	CEILING TYPE	MANUFACTURE	MODEL
①	LOUVER	85-225	8"Ø	24"x24"	4 WAY	L.A.T.	TITUS	TDC-AA-1-26-AG-15-AA
②	LOUVER	250-450	12"Ø	24"x24"	4 WAY	L.A.T.	TITUS	TDC-AA-1-26-AG-15-AA
③	LOUVER	0-85	6"Ø	24"x24"	4 WAY	L.A.T.	TITUS	TDC-AA-1-26-AG-15-AA
1	LOUVER	0-100	8"x8"	24"x24"	NONE	L.A.T.	TITUS	355FL-1-26-AG-95-AA
2	LOUVER	100-220	10"x10"	24"x24"	NONE	L.A.T.	TITUS	355FL-1-26-AG-95-AA
3	LOUVER	250-500	16"x16"	24"x24"	NONE	L.A.T.	TITUS	355FL-1-26-AG-95-AA

DATE	REVISION	NO	DATE: AUGUST 21, 2017	PROJECT NO. JAN17012	Sheet Number M3.1R2
					1 OF 1



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ENERGY RECOVERY VENTILATORS

MARK	O.A. PERFORMANCE				EXHAUST AIR PERF.				SUMMER DESIGN				WINTER DESIGN				INDOOR DESIGN SUMMER/WINTER				ELECTRICAL DATA			ACCESSORIES	NOTES	MANUFACTURER AND MODEL
	CFM	ESP	TSP	HP	CFM	ESP	TSP	HP	OUTSIDE AIR *F DBWB	OUTSIDE AIR *F DBWB	OUTSIDE AIR *F DBWB	OUTSIDE AIR *F DBWB	OUTSIDE AIR *F DBWB	OUTSIDE AIR *F DBWB	RH %	RH %	SERVICE	MCA	MOP							
EAU-1	1050	0.7	—	1 hp	900	.6	—	1.5 hp	84.5 / 80.3	62.6 / 59.6	65.3 / 60.9	80.2 / 55.5	70.4 / 55.4	72	49	49	208V-3ph	57	70	A.B.C.D	▲	REZNOR ZOYRA-12				
EAU-2	950	0.7	—	1 hp	810	.6	—	1.5 hp	84.5 / 80.3	65.3 / 60.9	65.3 / 60.9	70.4 / 55.4	70.4 / 55.4	72	49	49	208V-3ph	39	45	A.B.C.D			▲	REZNOR ZOYRA-8		

EAU-1 AND EAU-2: E.E.R. = 19.52

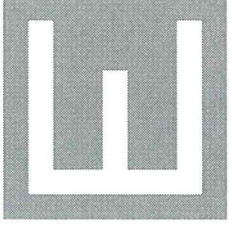
ACCESSORIES:

- A) DISCONNECT
- B) CO. VOC WALL SENSOR
- C) BACNET CAPABLE
- D) MOTORIZED O.A. DAMPER; GRAVITY EXHAUST DAMPER

NOTES:

△ 5.0 KW ELECTRIC PREHEAT

DATE					
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NO					
DATE:	AUGUST 21, 2017				
PROJECT NO.	JAN17012				
Sheet Number	M3.1R3				
1 OF 1					



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M40	MUA-1	120/1	9.8	-	1/2	EX. PNL B
M41	OAU-1	208/3	57	-	-	LM-17,19,21
M42	OAU-2	208/3	39	-	-	LM-23,25,27
M43	BC-1	208/1	2.0	-	-	LM-1,3
M44	BC-2	208/1	2.0	-	-	LM-9,11

1P15A	2-#12, 1-#12(G), 1/2"C.	-	-	-	-	1,3,4,8
3P70A	3-#4, 1-#8(G), 1"C.	-	-	-	-	1,2,8,9
3P45A	3-#8, 1-#10(G), 3/4"C.	-	-	-	-	1,2,8,9
2P15A	2-#12, 1-#12(G), 1/2"C.	-	-	-	-	1,3,7

M44	BC-2	208/1	2.0	-	-	LM-9,11
M45	BC-3	208/1	2.0	-	-	EX. PNL B
M46	IHP-29	208/1	0.35	-	-	LM-1,3

POWER CONNECTION SCHEDULE REMARKS:

2P15A	2-#12, 1-#12(G), 1/2"C.	-	-	-	-	1,3,7
2P15A	2-#12, 1-#12(G), 1/2"C.	-	-	-	-	1,3,7
2P15A	2-#12, 1-#12(G), 1/2"C.	-	-	-	-	1,2,7,9

DATE				
REVISION				
NO				

DATE:
AUGUST 21, 2017

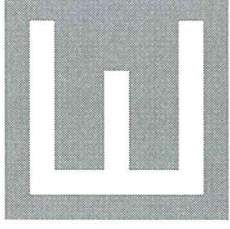
PROJECT NO.

JAN17012

Sheet Number

E0.2R1

1 OF 1



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120	J	LED 79W	WALL MOUNTED FLOOD, WIDE DISTRIBUTION, 7000 LUMENS, 4000K CCT, 4 LIGHT ENGINES, 530mA, PHOTOCELL BUTTON, UPPER/BOTTOM VISOR EMERGENCY BATTERY, RADIUS WALL BRACKET: FRWB DDBXD U UPPER/BOTTOM VISOR: DSXF2UBV DDBXD U
120	K	LED 9.1W	GENERAL PURPOSE WALL MOUNTED CYLINDER, 533 LUMENS, DOWNLIGHT ONLY, DARK BRONZE, EMERGENCY BATTERY
120	L1	LED 16.6W	GENERAL PURPOSE ROUND CANOPY LIGHT, 1077 LUMENS, WET LOCATION LISTED, DARK BRONZE, EMERGENCY BATTERY

LITHONIA	DSXF2 LED 4 A530/40K WFL 120 THK PE UBV DDBXD PROVIDE EXTERNAL 90 MINUTE EMERGENCY BATTERY PACK	12"	SEE ARCH ELEVATION
LITHONIA	ALLWD LED P1 40K 120 DDB PROVIDE EXTERNAL 90 MINUTE EMERGENCY BATTERY PACK	8"	SEE ARCH ELEVATION
LITHONIA	OLCFM 15 DDB	3 5/16"	SEE ARCH ELEVATION

DATE				
REVISION				
NO				
DATE: AUGUST 21, 2017				

PROJECT NO.	JAN17012
Sheet Number	E0.2R2
	1 OF 1

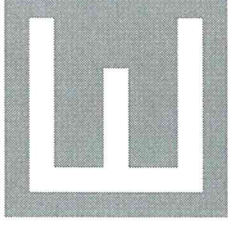
PANEL LM CIRCUIT SCHI

VOLTAGE: 208/120V
LOCATION: 115 DRILL HALL
MOUNTING: SURFACE

MCB: -A
BUS: 225A
3-PH, 4-W

CKT NO.	BREAKER		LOAD DESCRIPTION	LOAD	LO#
	AMP	POLE			

1	**15	2	M4,5,19,20,31,43 IHP-1,2,16,17,28 BC-1	510	A 50
3	"	"	"	510	B 50
5	**15	2	M6,8,9,10,11,12,13,14 IHP-3,5,6,7,8,9,10,11	255	C 50
7	"	"	"	255	A 50
9	**15	2	M7,15,16,17,18,44 IHP-4,12,13,14,15 BC-2	416	B 50
11	"	"	"	416	C 54
13	**15	2	M21,22,23,24,25,26 IHP-18,19,20,21,22,23	240	A 288
15	"	"	"	240	B 288
17	**70	3	M41 OAU-1	6837	C 52
19	"	"	"	6837	A 52
21	"	"	"	6837	B 25
23	**45	3	M42 OAU-2	4678	C
25	"	"	"	4678	A
27	"	"	"	4678	B
29	20	1	SPARE		C



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PROJECT NO.			
JAN17012			
Sheet Number			
E0.3R1			
1 OF 1			



SCALE: $1/8" = 1'-0"$

DATE					
REVISION					
NO					

DATE:
AUGUST 21, 2017

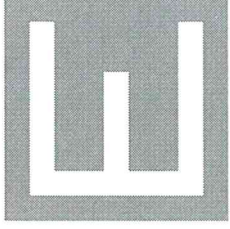
PROJECT NO.

JAN17012

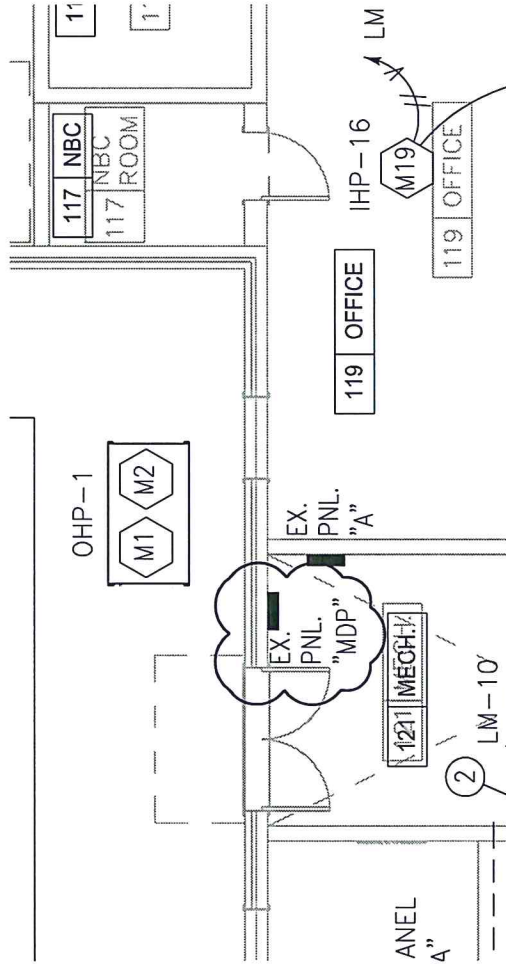
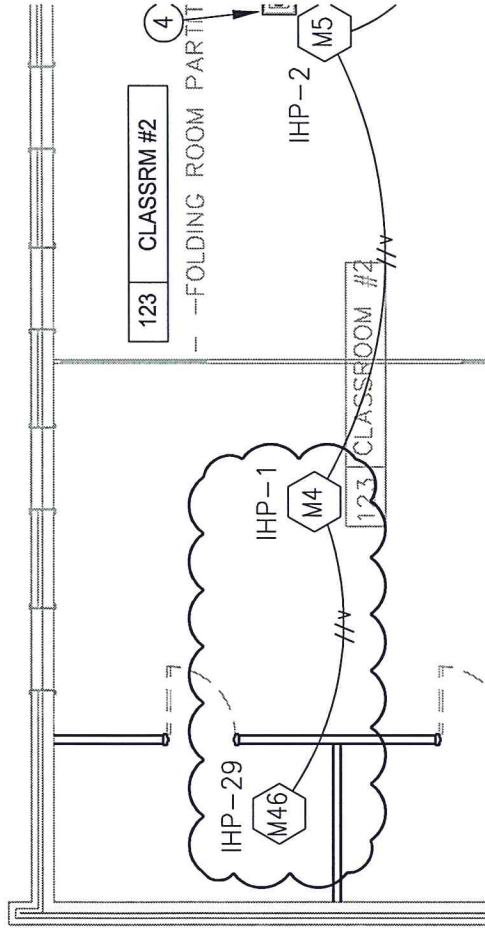
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1 OF 1



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PROJECT NO.

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Sheet Number

E2.1R1

1 OF 1

PARTIAL FLOOR PLAN - POWER

SCALE: 1/8" = 1'-0"