



CONTRACTOR  
CHANGE ORDER

Hunt Construction Group, Inc.  
1806 W. State Road 234 Fortville, IN, 46040

New Transportation Bldg  
Project #01123203

Date: 12/19/2023

To Contractor:

A. A. Huber & Sons, Inc.  
500 North Jackson Street  
Greencastle, IN 46135

Change Order Number: 005  
Contract Number: 01123203-006  
Phase Code(s): 23.2001.90 50.9800.06

This Change Order covers revisions to the work. Except as added or deleted by the below descriptions, all terms and conditions of your Contract Agreement remain unchanged. The total cost for this Change Order includes all fees, profits, bonds, insurance costs, taxes, and all other fees included in the Contract Agreement. Not valid until signed by the Owner and Contractor.

PCI	Description	Amount
PCI00018	ASI #2 Site Shift and Site Signage	\$ .00
	Incorporate ASI #2 dated 5/2/2023 into Contract Documents. This is a no cost change.	
PCI00019	Transportation Center IFC Issuance - No Cost/Schedule Impact	\$ .00
	Incorporate IFC drawings and specifications dated 5/3/2023 into Contract Documents. This is a no cost change.	
PCI00024.2	ASI #4 - Add Fire Dampers	\$2,132.00
	Furnish & install added Fire Dampers to Chem Stor A128 per ASI #4 drawing updates. This was a requirement by the AHJ due to the rating of that room.	
PCI00024.2	ASI #4 - Add Fire Dampers	-\$2,132.00
	Utilize Contractor Allowance for ASI #4 fire dampers. Balance remaining after this authorization is \$17,547.81.	
PCI00047	ASI #07 Natural Gas Transfer Switch	\$1,280.00
	Make revisions to natural gas piping per ASI #7	
PCI00047	ASI #07 Natural Gas Transfer Switch	-\$1,280.00
	Utilize contract allowance for ASI #7. Remaining allowance after this change is \$16,267.81. Note correction to PCI #47 cost approval cover page attached.	
PCI00050	ASI #10 Provide Exhaust Fan for Clothes Dryer	\$3,394.00
	Furnish and install exhaust fan added in ASI #10.	
PCI00050	ASI #10 Provide Exhaust Fan for Clothes Dryer	-\$3,394.00
	Utilize Contract Allowance for ASI #10 dryer exhaust fan. Remaining Allowance after this change is \$12,873.81. Note correction to PCI #50 cost approval cover page attached.	

Initials

DS

DS

PH

DS

DS

GE

This Change Order constitutes a final settlement relating to all claims arising from or related to the changes in the Work which are the subject of this Change Order, including, but not limited to, all direct and indirect costs associated with the change, and any claims for cumulative impact, acceleration, delay, and/or disruption. This Change Order supersedes all prior negotiations, reservation of rights, or exceptions except as expressly set forth herein.

The original Contract Price was	\$986,194.00
Sum of changes by prior Contract Change Orders	-\$5,500.00
The Contract Price prior to this Contract Change Order	\$980,694.00
The Contract Price will be changed by this Contract Change Order in the amount of	\$ .00
The new Contract Price including this Contract Change Order will be	\$980,694.00
The Contract duration will be changed by	0

**Mt. Vernon Community School Corporation**  
OWNER  
DocuSigned by:  
*Greg Elkins*  
SIGNATURE  
153E50547E9B46C...  
DATE 01-08-2024 | 7:23 AM EST

**A. A. Huber & Sons, Inc.**  
CONTRACTOR/VENDOR  
DocuSigned by:  
*Peter Huber*  
SIGNATURE  
5F53B72D3220404...  
DATE 01-04-2024 | 9:58 AM EST

**Hunt Construction Group, Inc.**  
CONSTRUCTION MANAGER  
DocuSigned by:  
*[Signature]*  
SIGNATURE  
F598ED600A64485...  
DATE 12-19-2023 | 9:46 AM EST

**RATIO Architects, Inc.**  
ARCHITECT  
DocuSigned by:  
*Larry Carter*  
SIGNATURE  
BEF2A3FE7006489...  
DATE 01-04-2024 | 10:10 AM EST



**Project:**

Mt. Vernon Community School Corp.  
New Transportation Center  
Hunt Job #01123203

**December 12, 2023**

**Potential Change Item:** PCI #24.2 – ASI #4 – Fortville Plan Review Comments

**SCOPE OF CHANGE:**

TR-06 AA Huber to add fire dampers to Chemical Storage Room A128 as required by Town of Fortville/Vernon Twp Fire Dept Inspector.

**COST: \$2,132.00**

Allowance Authorization

The Original Allowance was:	\$20,000.00
Previous Allowance Authorizations:	- 320.19
Balance Prior to this Authorization:	\$19,679.81
Allowance will be Decreased by:	- 2,132.00
New Allowance Balance will be:	\$17,547.81

**FUNDING SOURCE:**

Contractor Allowance

**DOCUMENTS ATTACHED:**

AA Huber quote for ASI #4  
Pages from ASI #4

**CHANGE ACKNOWLEDGEMENT:**

After review, we recommend a No-Cost Change Order be issued to AA Huber as outlined above for this additional Work.

AECOM Hunt

DocuSigned by:

F598ED000A04485...

Ratio Design

DocuSigned by:

BEF2A3FE7906469...

Veridus Group

DocuSigned by:

379B1558D58946C...

Mt. Vernon Community School Corp.

DocuSigned by:

153E50547E9B46C...

**Date: 11/30/2023****To: Hunt Construction Group (AECOM Hunt)****Job Name: Mt. Vernon New Transportation Bldg****Job #: 01123203****Change Order Request #: 233501-04****Description of Work:**

Provide and install added fire dampers per - ASI # 4

**Summary**

Labor	\$	170.00
Materials/Equipment	\$	-
Cost of Evaluation	\$	-
Rental Equipment/Tools	\$	-
Miscellaneous	\$	-
Subcontractors	\$	1,962.00
Overhead @ 10% Labor/Equipment/Material	\$	<del>18.89</del>
Overhead @ 5% Subcontractors	\$	<del>103.26</del>
Tax	\$	-
Bonds	\$	<del>21.32</del>

Change to be paid with  
Contractor Allowance, so  
no OH&P applied.  
\$170 + \$1,962 = \$2,132

LJ - Hunt 12/12/23

<b>Total Change Order Price</b>	<b>\$ <del>2,275.00</del></b>
---------------------------------	-------------------------------

---

Plumbing • Heating • Air Conditioning • Design-Build • Commercial • Industrial

---

500 N. Jackson Street • Greencastle, IN 46135 • Phone (765) 653-3133

---

5809 W. 73rd Street • Indianapolis, IN 46278 • Phone (317) 759-7167

---



**Detail Sheet****Change Order Request #: 233501-04**

<b>Labor</b>	<u>Qty.</u>	<u>Rate</u>	<u>Total</u>
Foreman Hours	1	\$85.00 = \$	85.00
Journeyman Hours	0	\$82.00 = \$	-
Apprentice Hours	0	\$66.00 = \$	-
Shop Fabrication Hours	0	\$67.00 = \$	-
Material Handling Hours	0	\$67.00 = \$	-
Layout & Coordination	1	\$85.00 = \$	85.00
<b><u>Subtotal</u></b>		<b>\$</b>	<b><u>170.00</u></b>

<b>Materials/Equipment</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Pipe, Valves, Fittings	Lot	\$ - = \$	-
Equipment	Lot	\$ - = \$	-
Hanging Materials	Lot	\$ - = \$	-
Consumables	Lot	\$ - = \$	-
Miscellaneous Materials	Lot	\$ - = \$	-
<b><u>Subtotal</u></b>		<b>\$</b>	<b>-</b>

<b>Cost of Evaluation</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Review of Drawings	0	\$ 75.00 = \$	-
Takeoff/Estimating	0	\$ 75.00 = \$	-
Printing Costs	Lot	\$ - = \$	-
Drafting/CAD work	0	\$ 75.00 = \$	-
Engineering Fees		\$ - = \$	-
<b><u>Subtotal</u></b>		<b>\$</b>	<b>-</b>

<b>Rental Equipment/Tools</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Torch & Brazing Alloy	0	\$ - = \$	-
Tools & Expendables	Lot	\$ - = \$	-
<b><u>Subtotal</u></b>		<b>\$</b>	<b>-</b>

<b>Subcontractors</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Excavation		\$ - = \$	-
Air/Water Balance		\$ - = \$	-
Temperature Controls		\$ - = \$	-
Sheet Metal	1	\$ 1,962.00 = \$	1,962.00
<b><u>Subtotal</u></b>		<b>\$</b>	<b><u>1,962.00</u></b>

<b>Miscellaneous</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Truck Charge	0	\$ 40.00 = \$	-
Permits/Fees	0	\$ - = \$	-
<b><u>Subtotal</u></b>		<b>\$</b>	<b>-</b>



Contact Name  
Company Name  
Address  
City

09/29/2023

RE: MVCSC \_ PSM 001 ASI4 add three FDs

Anthony,

Thank you for the chance to work with your team on this project. This cost is for the additional work in regard to the addition of three fire dampers. Please see our cost break out below.

Item or Task	HOURS OR UNITS REQUIRED	RATE	COSTS
Field Labor (350)	8 HOURS REQUIRED	\$75.42	\$603.36
Field Labor (350-001)	0 HOURS REQUIRED	\$75.42	\$0.00
Field Labor (350-008)	0 HOURS REQUIRED	\$75.42	\$0.00
Shop Labor Duct	3 HOURS REQUIRED	\$91.00	\$273.00
Shop Material			\$150.00
Consumables			\$50.00
Purchased Equipment	<b>Fire Dampers</b>		\$260.00
Trucking	1 HOURS REQUIRED	\$75.00	\$75.00
Supervision	1 HOURS REQUIRED	\$81.23	\$81.23
Project Manager	1 HOURS REQUIRED	\$90.00	\$90.00
Detailer	1 HOURS REQUIRED	\$91.00	\$91.00
Rental			\$0.00
Subcontractor			\$0.00
Tax		7.00%	\$32.20
<b>Costs</b>			<b>\$1,705.79</b>
Mark up on Labor		15%	\$182.04
Mark up on Material / Rental		15%	\$73.83
Mark up on Subcontractor		15%	\$0.00
<b>Total Cost</b>			<b>\$1,962</b>
Bond		0.00%	\$0
<b>Total Request</b>			<b>\$1,962</b>

Excludes: Wall cutting and patching, overtime, electrical, controls, painting, thermal insulation, and all listed exclusions on original scope

Please feel free to call me at 317-893-1193 to discuss.

Sincerely,

\_\_\_\_\_  
Name

Project Manager

*This quotation is good for 30 days from the date thereof, but may be accepted at a later date at the sole discretion of Poynter Sheet Metal.*



## ARCHITECTS SUPPLEMENTAL INSTRUCTIONS #04

**PROJECT:** New MT Vernon Transportation Center  
**OWNER:** Mt Vernon Community School Corporation  
**PROJECT NUMBER:** 21133  
**DATE:** 05/30/2023

### Description:

1. KNOX switch location added.
2. Fire protection and Fire Damper scope (See primary ASI Cover)
3. Context ASI describing site knox switch location and mounting.

### Attachments (List of supporting documents):

1. A101
2. A201
3. Context ASI #04 Cover and Description
4. SP101
5. Primary cover w/ description
6. FP201
7. M201
8. P101

Zach Grajewski  
RATIO  
[zgrajewski@ratiodesign.com](mailto:zgrajewski@ratiodesign.com)  
765.993.8490



**Primary Engineering, Inc**  
2828 Lake Ave.  
Fort Wayne, Indiana 46805

(260) 424-0444 phone  
info@primary-eng.com

---

### *Architectural Supplemental Instruction*

**Date:** June 1, 2023

**Company:** AECOM Hunt

**Attention:** Luke Johnson

**Project Name:** Mt. Vernon Community School Corp. New Transportation/Maintenance Center

**Project #:** 22429

**ASI #:** 04 – Fire dampers and FDC revision

**Architectural Supplemental Instruction:**

1. Add fire dampers at all duct penetrations to rated walls in Chem Stor A128 as shown in the attached drawing revision to M201.
2. Delete fire department connection and add piping continuation to fire department connection located on site as shown in the attached drawing revision to FP-201 and P-101.

Signed: \_\_\_\_\_

Andrew Louderback

- ☒ Project File
- ☐ Chronological File
- ☐ Shop Drawing File
- ☐ Cc:

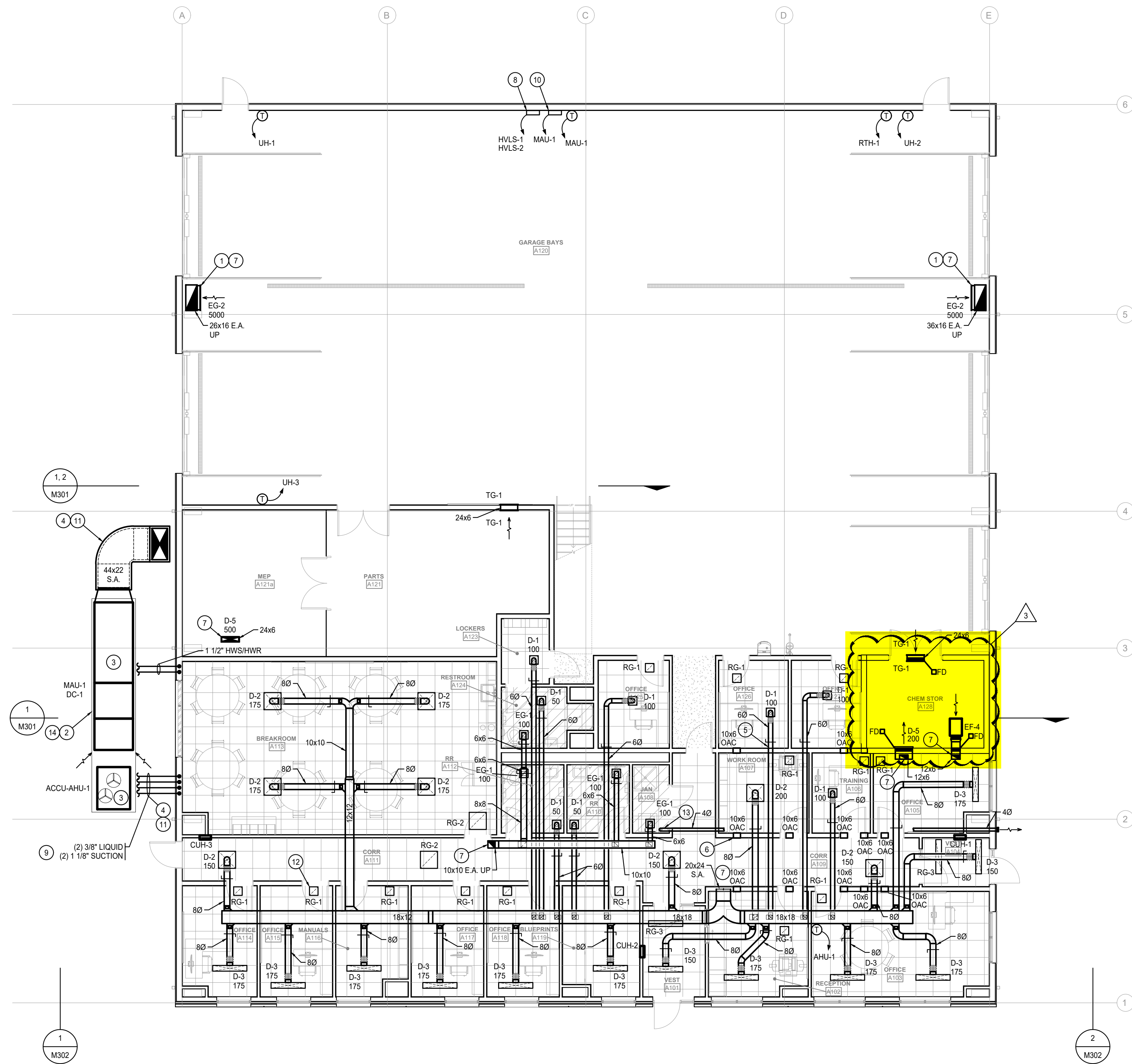
K:\22429 MVCSC Bus Facility\Corres\ESI-RFI\ASI 04\ASI-04 MV Transportation Center - fire dampers and FDC revision.docx



File Location = K:\2209\JCVC52\Bldg Facility\Org\Arch\Sheet Name = 428M201.dwg Date Printed = 04/28/25 PM Printed by = albertblack Copyright Primary Engineering Inc.

THIS MONOCHROME  
PRINT SHOULD  
DISPLAY  
GRAYSCALE BOXES  
BETWEEN PRINTED  
PROPERTIES WITH  
25% SHADES OF  
GRAY

0 16 32 48 0 8 16 24 32 0 8 16 24 0 4 8 12 0 2 4 6 0 1 2 4 0 1 2 3  
SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"



**FIRST FLOOR MECHANICAL PLAN**  
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
1. PROVIDE AND INSTALL EXHAUST GRILLE AT FLOOR. EXHAUST DUCT WITHIN 10'-0" OF FINISHED FLOOR SHALL BE 18 GA PAINT GRIP GALVANIZED FOR FIELD PAINTING BY GC. COLOR SELECTION BY ARCH. COORDINATE WITH GC.
  2. PROVIDE AND INSTALL EQUIPMENT ON NEW CONCRETE PAD. REFER TO TYPICAL EQUIPMENT PAD DETAIL ON DRAWING SHEET M401 FOR MORE INFORMATION.
  3. PROVIDE AND INSTALL EQUIPMENT PER MANUFACTURER'S INSTALLATION REQUIREMENTS AND TO MAINTAIN CLEARANCE FOR SERVICE AND AIRFLOW.
  4. PROVIDE AND INSTALL ALUMINUM JACKETING ON EXTERIOR PIPING AND DUCTWORK.
  5. ROUTE DUCTWORK THROUGH MEZZANINE FLOOR JOIST SPACE. TYPICAL.
  6. PROVIDE AND INSTALL RETURN AIR OPENINGS ABOVE CEILING ALIGNED IN JOIST BAY. MAINTAIN CLEARANCE EQUAL TO MINOR DUCT DIMENSION OR MINIMUM 12" FOR AIRFLOW. COORDINATE WITH ALL TRADES. TYPICAL.
  7. REFER TO SECOND FLOOR MECHANICAL PLAN ON DRAWING SHEET M202 FOR CONTINUATION.
  8. PROVIDE AND INSTALL PACKAGED HVL'S CONTROLLER.
  9. VERIFY EXACT REFRIGERANT PIPE ROUTING AND SIZING WITH MANUFACTURER.
  10. PROVIDE AND INSTALL MAU-1 REMOTE CONTROL CONSOLE.
  11. SUPPORT OUTDOOR DUCTWORK AND PIPING FROM GRADE USING B-LINE DURA-BLOK SUPPORTS WITH STAINLESS STEEL HARDWARE.
  12. PROVIDE AND INSTALL LINED RETURN BOOTS ON PLENUM RETURN GILDED RG-1 AND RG-2. REFER TO SOUND ATTENUATOR RETURN GRILLE DETAIL ON DRAWING SHEET M401 FOR MORE INFORMATION.
  13. CONNECT DRYER VENT TO OWNER'S DRYER. REFER TO DRYER VENT DETAIL ON DRAWING SHEET M401 FOR MORE INFORMATION.
  14. PROVIDE AND INSTALL FIELD FABRICATED COIL PLENUM FOR DUCT COIL DC-1. MODIFY MAU-1 AS REQUIRED. MATCH MAU-1 CASING CONSTRUCTION.

**BEEBE RATIO**  
**DESIGN**  
220 N. COLLEGE AVE  
INDIANAPOLIS, IN 46202

**AECOM HUNT**

**PRIMARY**  
**ENGINEERING INC.**  
Indianapolis Fort Wayne  
6785 Cornerstone Blvd, Suite 103  
Indianapolis, Indiana 46226  
317.324.1231 (ph)  
317.324.1231 (fax)  
www.primaryeng.com  
www.primaryeng.com  
All concepts, ideas, plans, and details shown on this document are the sole property of Primary Engineering, Inc. and shall not be used for any other purpose without their expressed written consent. This project was created by electronic means and is subject to change without notice.  
© 2023 Primary Engineering, Inc.

MT VERNON COMMUNITY SCHOOL CORP  
NEW TRANSPORTATION/MAINTENANCE CENTER



REVISIONS:	
#	Date
1	02-20-2023
2	02-27-2023
3	05-31-2023

ISSUED FOR CONSTRUCTION

PROJECT:	#646605
DATE:	05-03-2023
DRAWN BY:	ASL

**FIRST FLOOR MECHANICAL PLAN**

**M201**



**Project:**  
Mt. Vernon Community School Corp.  
New Transportation Center  
Hunt Job #01123203

**November 30, 2023**

**Potential Change Item:** PCI #47 – ASI #7 Natural Gas Piping Changes

**SCOPE OF CHANGE:**  
Upsize natural gas piping to allow more equipment to run off Owner’s private natural gas well. Work is shown in ASI #7 documents from Ratio/Primary Engineering.

COST: \$1,280

<u>Allowance Authorization</u>	
The Original Allowance was:	\$20,000.00
Previous Allowance Authorizations:	- 320.19
Balance Prior to this Authorization:	\$19,679.81
Allowance will be Decreased by:	- 1,280.00
New Allowance Balance will be:	\$18,399.81

**FUNDING SOURCE:**  
Contractor Allowance

**DOCUMENTS ATTACHED:**  
AA Huber quote for ASI #7  
ASI #7 documents from Ratio/Primary

**CHANGE ACKNOWLEDGEMENT:**  
After review, we recommend a No-Cost Change Order be issued to the Contractor(s) as outlined above for this additional Work.

Allowance authorization was incorrect on this PCI. Corrected amounts are as follows:  
Orig: \$20,000.00  
Prev Auth: \$ 2,452.19 (PCI #36 & 24.2)  
Balance Prior: \$17,547.81  
Allow Dec by: \$ 1,280.00  
New Balance: \$16,267.81  
This is reflected in AA Huber CO #5.  
LJ - Hunt 12/19/2023

AECOM Hunt

DocuSigned by:

F598ED600A64485...

Ratio Design

DocuSigned by:

BEF2A3FE7906469...

Veridus Group

DocuSigned by:

379B1558D58946C...

Mt. Vernon Community School Corp.

DocuSigned by:

T53E90547E9B46C...

**Date: 11/14/2023****To: Hunt Construction Group (AECOM Hunt)****Job Name: Mt. Vernon New Transportation Bldg****Job #: 01123203****Change Order Request #: 233501-02****Description of Work:**

Provide and install new upsized Gas piping per ASI # 7

**Summary**

Labor - Net Add	\$	650.04
Materials/Equipment - Net Add	\$	629.70
Cost of Evaluation	\$	-
Rental Equipment/Tools	\$	-
Miscellaneous	\$	-
Subcontractors	\$	-
Overhead @ 10% Labor/Equipment/Material	\$	<del>142.19</del>
Overhead @ 5% Subcontractors	\$	-
Tax	\$	-
Bonds	\$	<del>12.80</del>

This work will be paid  
for via Allowance so  
no markup applies.  
LJ - Hunt

<b>Total Change Order Price</b>	<b><del>\$ 1,435.00</del></b>
---------------------------------	-------------------------------

**\$1,279.74 --> \$1,280.00**  
**Allowance Authorization**

---

Plumbing • Heating • Air Conditioning • Design-Build • Commercial • Industrial

---

500 N. Jackson Street • Greencastle, IN 46135 • Phone (765) 653-3133

---

5809 W. 73rd Street • Indianapolis, IN 46278 • Phone (317) 759-7167

---

**Johnson, Luke**

**From:** Anthony Richardson <arichardson@aahuber.com>  
**Sent:** Tuesday, November 14, 2023 11:55 AM  
**To:** Johnson, Luke; Wolf, Justin  
**Cc:** Clinton Moore  
**Subject:** RE: Mt Vernon - ASI 7 - Natural Gas Pipe Size Change

**This Message Is From an External Sender**

This message came from outside your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

[Report Suspicious](#)

**Change  
Order  
Request**

**#:**

**233501-**

**Detail Sheet**

**02**

<b>Labor</b>	<u>Qty.</u>	<u>Rate</u>		<u>Total</u>
Foreman Hours	4	\$85.03	= \$	340.12
Journeyman Hours	2.75	\$81.79	= \$	224.92
Apprentice Hours	0	\$66.00	= \$	-
Shop Fabrication Hours	0	\$67.00	= \$	-
Material Handling Hours	0	\$67.00	= \$	-
Layout & Coordination	1	\$85.00	= \$	85.00
		<b><u>Subtotal</u></b>		<b><u>\$ 650.04</u></b>

<b>Materials/Equipment</b>	<u>Qty.</u>	<u>Amount</u>		<u>Total</u>
Pipe, Valves, Fittings	1	\$ 629.70	= \$	629.70
Equipment	Lot	\$ -	= \$	-
Hanging Materials	Lot	\$ -	= \$	-
Consumables	Lot	\$ -	= \$	-
Miscellaneous Materials	Lot	\$ -	= \$	-
		<b><u>Subtotal</u></b>		<b><u>\$ 629.70</u></b>

**Anthony Richardson**  
**A.A. Huber & Sons, Inc.**



## Operations Manager – Indianapolis

**Direct – 317-759-7169**  
**Office – 317-759-7167**  
**Mobile – 317-800-2983**

**5809 West 73<sup>rd</sup> Street**  
**Indianapolis, IN 46278**



---

**From:** Johnson, Luke <Luke.Johnson@aecom.com>  
**Sent:** Tuesday, November 14, 2023 11:51 AM  
**To:** Anthony Richardson <arichardson@aahuber.com>; Wolf, Justin <Justin.Wolf@aecom.com>  
**Cc:** Clinton Moore <cmoore@aahuber.com>  
**Subject:** RE: Mt Vernon - ASI 7 - Natural Gas Pipe Size Change

Can you break your labor out to show hours x rate = \$650.04?

Thanks,  
Luke

---

**From:** Anthony Richardson <[arichardson@aahuber.com](mailto:arichardson@aahuber.com)>  
**Sent:** Tuesday, November 14, 2023 10:58 AM  
**To:** Johnson, Luke <[Luke.Johnson@aecom.com](mailto:Luke.Johnson@aecom.com)>; Wolf, Justin <[Justin.Wolf@aecom.com](mailto:Justin.Wolf@aecom.com)>  
**Cc:** Clinton Moore <[cmoore@aahuber.com](mailto:cmoore@aahuber.com)>  
**Subject:** Mt Vernon - ASI 7 - Natural Gas Pipe Size Change

Please see the attached for your use, thanks.

**Anthony Richardson**  
**A.A. Huber & Sons, Inc.**  
**Operations Manager – Indianapolis**

**Direct – 317-759-7169**  
**Office – 317-759-7167**  
**Mobile – 317-800-2983**

**5809 West 73<sup>rd</sup> Street**  
**Indianapolis, IN 46278**

Johnson, Luke

**From:** Anthony Richardson <arichardson@aahuber.com>  
**Sent:** Tuesday, November 14, 2023 11:54 AM  
**To:** Johnson, Luke; Wolf, Justin  
**Cc:** Clinton Moore  
**Subject:** RE: Mt Vernon - ASI 7 - Natural Gas Pipe Size Change

**This Message Is From an External Sender**

This message came from outside your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Report Suspicious

Does this help. – Came up with Same footage – just the larger size pipe run.

Original Layout Natural Gas Piping - Welded / Thrd Black Steel			
Size	Footage	Ft per Day	Days
4" B/G	0	20	0.00
4"	0	20	0.00
3"	21	20	1.05
2.5"	42	20	2.10
2"	231	50	4.62
1.5"	0	50	0.00
1.25"	0	50	0.00
1"	105	15	7.00
.75"	147	50	2.94
.5"	0	50	0.00
546		Days	17.71
		Hours	141.68

ASI 7 Layout Natural Gas Piping - Welded / Thrd Black Steel			
Size	Footage	Ft per Day	Days
4" B/G	0	20	0.00
4"	0	20	0.00
3"	42	20	2.10
2.5"	147	20	7.35
2"	147	50	2.94
1.5"	0	50	0.00
1.25"	84	50	1.68

1"	42	15	2.80
.75"	84	50	1.68
.5"	0	50	0.00
546		Days	18.55
		Hours	148.40
		Hours Added	6.72

**Anthony Richardson**  
**A.A. Huber & Sons, Inc.**  
**Operations Manager – Indianapolis**

**Direct – 317-759-7169**  
**Office – 317-759-7167**  
**Mobile – 317-800-2983**

**5809 West 73<sup>rd</sup> Street**  
**Indianapolis, IN 46278**




---

**From:** Johnson, Luke <Luke.Johnson@aecom.com>  
**Sent:** Tuesday, November 14, 2023 11:51 AM  
**To:** Anthony Richardson <arichardson@aahuber.com>; Wolf, Justin <Justin.Wolf@aecom.com>  
**Cc:** Clinton Moore <cmoore@aahuber.com>  
**Subject:** RE: Mt Vernon - ASI 7 - Natural Gas Pipe Size Change

Can you break your labor out to show hours x rate = \$650.04?

Thanks,  
 Luke

---

**From:** Anthony Richardson <[arichardson@aahuber.com](mailto:arichardson@aahuber.com)>  
**Sent:** Tuesday, November 14, 2023 10:58 AM  
**To:** Johnson, Luke <[Luke.Johnson@aecom.com](mailto:Luke.Johnson@aecom.com)>; Wolf, Justin <[Justin.Wolf@aecom.com](mailto:Justin.Wolf@aecom.com)>  
**Cc:** Clinton Moore <[cmoore@aahuber.com](mailto:cmoore@aahuber.com)>  
**Subject:** Mt Vernon - ASI 7 - Natural Gas Pipe Size Change

Please see the attached for your use, thanks.



1145 East Maryland street Indianapolis, Indiana 46202  
317-637-5327  
www.Barrycompany.net

ASI #7  
New Gas  
Layout

# PRICE QUOTE

Page 1

Printed 11/14/23 JB

## Quoted

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135  
Buyer: ANTHONY RICHARDSON  
Tel:765-653-3133 Fax:765-653-3008

## Ship To

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135

Quote #	Quote Date	Exp Date	Customer #	Customer P/O #	Ship Via	Writer
Q018126	11/14/2023	12/14/2023	0000100			JB
Job ID	Customer Terms			Salesman		
	2% 10TH N30			JIM BARRY		
Product	Description	UM	Quant	Unit Price	Extension	
08473899710	#611 2-1/2 THREAD PLUG VALVE 200LB E	EA	1	175.8467	175.85	
08473899715	#611 3" THREADED PLUG VALVE 200LB E	EA	1	286.72	286.72	
56810101410	075 3/4" STD BLK A53 T&C 21FT U/L	FT	84	1.90	159.60	
56810101415	100 1" STD BLK A53 T&C 21FT U/L	FT	42	2.74	115.08	
56810101420	125 1-1/4" STD BLK A53 T&C 21FT U/L	FT	84	3.72	312.48	
56810101430	200 2" STD BLK A53 T&C 21FT U/L	FT	147	5.58	820.26	
78217272522	BN 3/4X6 STD BLK NIP	EA	1	3.685	3.69	
78217272599	BN 1X6 STD BLK NIP	EA	1	5.0275	5.03	
78217272676	BN 1-1/4X6 STD BLK NIP	EA	4	6.4175	25.67	
78217272829	BN 2X6 STD BLK NIP	EA	1	10.0375	10.04	
66246715010	BLK 1 90D ELBOW 33E 1010C /350-005C	EA	4	3.79	15.16	
66246715012	BLK 1-1/4 90D ELBOW 33E 1012C	EA	11	6.25	68.75	
66246715016	BLK 2 90D ELBOW 33E 1020C	EA	7	14.18	99.26	
66246722418	BLK 2 UNION 150# 33U 1020C	EA	1	26.32	26.32	
66246722410	BLK 3/4 UNION 150# 33U 1006C	EA	1	9.71	9.71	
66246722412	BLK 1 UNION 150# 33U 1010C	EA	3	11.39	34.17	
66246722414	BLK 1-1/4 UNION 150# 33U 1012 C	EA	1	16.34	16.34	
66246715778	BLK 1-1/4X1X1 RED TEE 33RT1012010010C	EA	1	9.08	9.08	
66246715710	BLK 1 TEE 33T 1010C	EA	3	5.94	17.82	
66246715712	BLK 1-1/4 TEE 33T 1012C	EA	1	9.63	9.63	
66246715716	BLK 2 TEE 33T 1020C	EA	1	20.41	20.41	
66246715708	BLK 3/4 TEE 33T 1006C	EA	1	3.47	3.47	
66246716262	BLK 2X1-1/4 RED COUPLING 33RC1020012C	EA	1	13.80	13.80	
66246715510	BLK 1 CAP 33C 1010C	EA	3	2.99	8.97	
66246715512	BLK 1-1/4 CAP 33C 1012C	EA	1	3.94	3.94	

Continue...



**PRICE QUOTE**

1145 East Maryland street Indianapolis, Indiana 46202  
317-637-5327  
www.Barrycompany.net

Page 2

Printed 11/14/23 JB

**Quoted**

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135  
Buyer: ANTHONY RICHARDSON  
Tel:765-653-3133 Fax:765-653-3008

**Ship To**

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135

Quote #	Quote Date	Exp Date	Customer #	Customer P/O #	Ship Via	Writer
Q018126	11/14/2023	12/14/2023	0000100			JB
Job ID	Customer Terms			Salesman		
	2% 10TH N30			JIM BARRY		
Product	Description	UM	Quant	Unit Price	Extension	
66246715516	BLK 2 CAP 33C 1020C	EA	1	5.9712	5.97	
66246715508	BLK 3/4 CAP 33C 1006C	EA	1	2.48	2.48	
0847389980	#601 3/4 THRD PLUG VALVE	EA	1	126.7875	126.79	
08473899690	#611 1" THREADED PLUG VALVE	EA	3	116.7688	350.31	
	200#					
08473899695	#611 1-1/4" THREADED PLUG	EA	3	128.80	386.40	
	VALVE 200LB G					
08473899705	#611 2" THREADED PLUG VALVE	EA	1	138.60	138.60	
	200LB G					
66246715525	BLK 1 COUPLING 33CP1010C	EA	3	4.39	13.17	
66246715526	BLK 1-1/4 COUPLING 33CP1012C	EA	5	5.68	28.40	
66246715528	BLK 2 COUPLING 33CP1020C	EA	7	11.37	79.59	
66246715524	BLK 3/4 COUPLING 33CP1006C	EA	5	2.93	14.65	
66246715824	BLK 2X2X3/4 RED TEE	EA	1	21.42	21.42	
	33RT1020006C					
RID70830	OIL GAL DARK THREADING CUTTING	EA	1	27.00	27.00	
01218117330	KEY-TITE 505 1QT JOINT	EA	4	19.70	78.80	
	COMPOUND 10063					
56810101045	2-1/2" STD BLK CS ERW PIPE	FT	147	6.87	1009.89	
	P.E BEV SRL A53 GRADE B					
56810101050	3" STD BLK CS ERW PIPE P.E.	FT	42	8.98	377.16	
	BEV SRL A53 GRADE B					
67034620060	WLDG-ELL-90D-LR-STD_2-1/2	EA	7	18.28	127.96	
67034620070	WLDG-ELL-90D-LR-STD_3	EA	3	22.41	67.23	
67034620660	WLDG-TEE-STD_2-1/2	EA	1	50.13	50.13	
67034621170	WLDG-RED-CONC-STD_2-1/2X2	EA	2	29.66	59.32	
78217211388	T-O-L_1" FOR 3" THRU 36"	EA	1	6.8445	6.84	
	PIPE THRD FS 43TO3010030360					
78217211403	T-O-L_1-1/4" FOR 4" THRU 36"	EA	2	12.9007	25.80	
	PIPE THRD FS 43TO3012040360					
67034623070	WLDG-NCK-FLG-150-RF_3	EA	2	31.11	62.22	
17037	3 B&G SET COMPLETE NON-ASB	EA	2	7.03	14.06	
69029119643	260_3/4 GALV. ADJ. CLEVIS	EA	7	2.0925	14.65	
69029119646	260_1-1/4 GALV. ADJ. CLEVIS	EA	8	2.495	19.96	
	0500359526					

Continue...



**PRICE QUOTE**

1145 East Maryland street Indianapolis, Indiana 46202  
317-637-5327  
www.Barrycompany.net

Page 3

Printed 11/14/23 JB

**Quoted**

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135  
Buyer: ANTHONY RICHARDSON  
Tel:765-653-3133 Fax:765-653-3008

**Ship To**

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135

Quote #	Quote Date	Exp Date	Customer #	Customer P/O #	Ship Via	Writer
Q018126	11/14/2023	12/14/2023	0000100			JB
Job ID	Customer Terms			Salesman		
	2% 10TH N30			JIM BARRY		
Product	Description	UM	Quant	Unit Price	Extension	
69029119644	260__1__GALV. ADJ. CLEVIS 0500359518	EA	3	2.2125	6.64	
69029119652	260__2-1/2__GALV. ADJ. CLEVIS 0500359583	EA	10	5.335	53.35	
69029119650	260__2__GALV. ADJ. CLEVIS 0500359567	EA	11	3.255	35.81	
69029119654	260__3__GALV. ADJ. CLEVIS 0500359609	EA	2	6.245	12.49	
78101169035	THRD ROD 3/8-16 10FT PLTD (250' BDL)	FT	87	0.3966	34.50	
78101169045	THRD ROD 1/2-13 10FT PLTD (120' BDL)	FT	36	0.7374	26.55	
69029117120	93_1/2-BLK UNIVERSAL C-CLAMP 0500009170	EA	12	5.30	63.60	
69029117119	93_3/8-BLK UNIVERSAL C-CLAMP 0560009169	EA	29	2.7125	78.66	
78263	PLTD FLAT WASHER 1/2	EA	36	0.16	5.76	
78262	PLTD FLAT WASHER 3/8	EA	87	0.1024	8.91	
78252	PLTD HEX NUT HVY 1/2	EA	36	0.26	9.36	
78251	PLTD HEX NUT HVY 3/8	EA	87	0.188	16.36	
X: _____ (Accepted by)			Sub Total		\$5,732.04	<b>T o t a l</b>  <b>\$5,732.04</b>
			Freight		\$0.00	
			Misc Charges		\$0.00	
			Tax Amount		\$0.00	

**MESSAGE****TERMS**

THIS ESTIMATE IS AN APPROXIMATION AND IS NOT  
GUARANTEED. ACTUAL COST MAY CHANGE ONCE ALL  
PROJECT ELEMENTS ARE FINALIZED OR NEGOTIATED.



1145 East Maryland street Indianapolis, Indiana 46202  
317-637-5327  
www.Barrycompany.net

**PRICE QUOTE**

*Original Nat Gas  
Material Quote*

Page 1

Printed 02/28/23 JB

**Quoted**

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135  
Tel:765-653-3133 Fax:765-653-3008

**Ship To**

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135

Quote #	Quote Date	Exp Date	Customer #	Customer P/O #	Ship Via	Writer
Q012414	02/27/2023	03/29/2023	0000100	MV AG NAT GAS MT		JB
Job ID	Customer Terms			Salesman		
	2% 10TH N30			JIM BARRY		
Product	Description	UM	Quant	Unit Price	Extension	
56810101410	075__3/4" STD BLK A53 T&C 21FT U/L	FT	147	1.2465	183.24	
56810101415	100__1" STD BLK A53 T&C 21FT U/L	FT	105	2.1008	220.58	
56810101430	200__2" STD BLK A53 T&C 21FT U/L	FT	231	4.7427	1095.56	
78217272522	BN 3/4X6 STD BLK NIP	EA	15	3.6862	55.29	
78217272599	BN 1X6 STD BLK NIP	EA	10	5.0298	50.30	
78217272829	BN 2X6 STD BLK NIP	EA	5	10.0457	50.23	
66246715008	BLK 3/4 90D ELBOW 33E 1006C	EA	20	1.4467	28.93	
66246715010	BLK 1 90D ELBOW 33E 1010C /350-005C	EA	12	2.5387	30.46	
66246712114	CAST IRON 2-BLK 90D ELL 0300001609	EA	18	21.4935	386.88	
67145107167	BRZ 1IN UNION LEAD FREE 36U 1010L	EA	2	38.00	76.00	
67145107170	BRZ 2IN UNION LEAD FREE 36U 1020L	EA	1	60.816	60.82	
67145107166	BRZ 3/4 UNION LEAD FREE 36U 1006L	EA	3	23.616	70.85	
66246715754	BLK 1X3/4X3/4 RED TEE 33RT1010006006C	EA	1	4.56	4.56	
66246715708	BLK 3/4 TEE 33T 1006C	EA	3	2.202	6.61	
66246715710	BLK 1 TEE 33T 1010C	EA	2	3.8872	7.77	
66246715716	BLK 2 TEE 33T 1020C	EA	1	13.3327	13.33	
66246710362	BLK 2X3/4 CI HEX BUSHING 33HB1020006C	EA	1	4.0839	4.08	
66246715510	BLK 1 CAP 33C 1010C	EA	1	2.3887	2.39	
66246715516	BLK 2 CAP 33C 1020C	EA	1	5.598	5.60	
66246715508	BLK 3/4 CAP 33C 1006C	EA	3	2.1795	6.54	
78217211426	T-O-L__2" FOR 3-8" THRD FS 43TO3020080360	EA	1	20.1542	20.15	
0847389980	#601 3/4 THRD PLUG VALVE	EA	4	110.96	443.84	
08473899690	#611 1" THREADED PLUG VALVE 200#	EA	3	108.68	326.04	

Continue...



**PRICE QUOTE**

1145 East Maryland street Indianapolis, Indiana 46202  
317-637-5327  
www.Barrycompany.net

Page 2

Printed 02/28/23 JB

**Quoted**

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135  
Tel:765-653-3133 Fax:765-653-3008

**Ship To**

AA HUBER & SONS  
500 NORTH JACKSON STREET  
GREENCASTLE IN 46135

Quote #	Quote Date	Exp Date	Customer #	Customer P/O #	Ship Via	Writer
Q012414	02/27/2023	03/29/2023	0000100	MV AG NAT GAS MT		JB
Job ID	Customer Terms			Salesman		
	2% 10TH N30			JIM BARRY		
Product	Description	UM	Quant	Unit Price	Extension	
08473899705	#611 2" THREADED PLUG VALVE 200LB G	EA	2	110.96	221.92	
66246715525	BLK 1 COUPLING 33CP1010C	EA	5	2.8837	14.42	
66246715528	BLK 2 COUPLING 33CP1020C	EA	12	7.1872	86.25	
66246715524	BLK 3/4 COUPLING 33CP1006C	EA	7	1.9087	13.36	
66246715746	BLK 1X1X3/4 RED TEE 33RT1010006C	EA	1	4.3275	4.33	
66246715822	BLK 2X2X1 RED TEE 33RT1020010 C	EA	3	13.6132	40.84	
RID70830	OIL GAL DARK THREADING CUTTING	EA	2	27.00	54.00	
01218117330	KEY-TITE 505 1QT JOINT COMPOUND 10063	EA	5	19.70	98.50	
56810101045	2-1/2" STD BLK CS ERW PIPE P.E BEV SRL A53 GRADE B	FT	25	7.2525	181.31	
56810101050	3" STD BLK CS ERW PIPE P.E. BEV SRL A53 GRADE B	FT	3	8.2598	24.78	
67034620060	WLDG-ELL-90D-LR-STD_2-1/2	EA	4	8.685	34.74	
67034620070	WLDG-ELL-90D-LR-STD_3	EA	2	13.00	26.00	
67034623070	WLDG-NCK-FLG-150-RF_3	EA	2	21.636	43.27	
67034621790	WLDG-RED-ECC-STD_3X2-1/2	EA	1	17.3925	17.39	
67034623260	SLIP-ON-FLG-150-RF_2-1/2	EA	2	21.328	42.66	
17037	3 B&G SET COMPLETE NON-ASB	EA	4	8.61	34.44	
17036	2-1/2 B&G SET COMPLETE NON-AS B	EA	4	6.396	25.58	
08264717384	MATCO 2-1/2 CS VALVE	EA	1	377.1529	377.15	
08264717379	MATCO 3IN CS VALVE	EA	1	414.8706	414.87	
69029121008	260_1-BLK ADJ CLEVIS 0500173034	EA	8	1.0538	8.43	
69029121024	260_2-1/2BLK ADJ CLEVIS 0500173075	EA	3	1.9406	5.82	
69029121020	260_2-BLK ADJ CLEVIS 0500173067	EA	19	1.4426	27.41	
69029121028	260_3-BLK ADJ CLEVIS 0500173083	EA	1	2.0634	2.06	
69029121004	260_3/4BLK ADJ CLEVIS	EA	11	0.8471	9.32	

Continue...



**PRICE QUOTE**

1145 East Maryland street Indianapolis, Indiana 46202  
 317-637-5327  
 www.Barrycompany.net

Page 3

Printed 02/28/23 JB

**Quoted**

AA HUBER & SONS  
 500 NORTH JACKSON STREET  
 GREENCASTLE IN 46135  
 Tel:765-653-3133 Fax:765-653-3008

**Ship To**

AA HUBER & SONS  
 500 NORTH JACKSON STREET  
 GREENCASTLE IN 46135

Quote #	Quote Date	Exp Date	Customer #	Customer P/O #	Ship Via	Writer
Q012414	02/27/2023	03/29/2023	0000100	MV AG NAT GAS MT		JB
Job ID	Customer Terms			Salesman		
	2% 10TH N30			JIM BARRY		
Product	Description	UM	Quant	Unit Price	Extension	
78101169045	THRD ROD 1/2-13 10FT PLTD (120' BDL)	FT	12	0.6311	7.57	
78101169035	THRD ROD 3/8-16 10FT PLTD (250' BDL)	FT	114	0.3432	39.12	
69029117120	93_1/2-BLK UNIVERSAL C-CLAMP 0500009170	EA	4	1.869	7.48	
69029117119	93_3/8-BLK UNIVERSAL C-CLAMP 0560009169	EA	38	1.6289	61.90	
78263	PLTD FLAT WASHER 1/2	EA	12	0.099	1.19	
78262	PLTD FLAT WASHER 3/8	EA	114	0.0512	5.84	
78252	PLTD HEX NUT HVY 1/2	EA	12	0.175	2.10	
78251	PLTD HEX NUT HVY 3/8	EA	114	0.16	18.24	
X: _____ (Accepted by)			Sub Total		\$5,102.34	<b>T o t a l</b>  <b>\$5,102.34</b>
			Freight		\$0.00	
			Misc Charges		\$0.00	
			Tax Amount		\$0.00	

**MESSAGE****TERMS**

THIS ESTIMATE IS AN APPROXIMATION AND IS NOT  
 GUARANTEED. ACTUAL COST MAY CHANGE ONCE ALL  
 PROJECT ELEMENTS ARE FINALIZED OR NEGOTIATED.



## **ARCHITECTS SUPPLEMENTAL INSTRUCTIONS #07**

**PROJECT:** Mount Vernon Transportation Center  
**OWNER:** Mt Vernon Community School Corporation  
**PROJECT NUMBER:** 21133  
**DATE:** 10/30/2023

**Description:**

1. Transfer switch to use existing natural gas well in lieu of local gas utility.

**Attachments (List of supporting documents):**

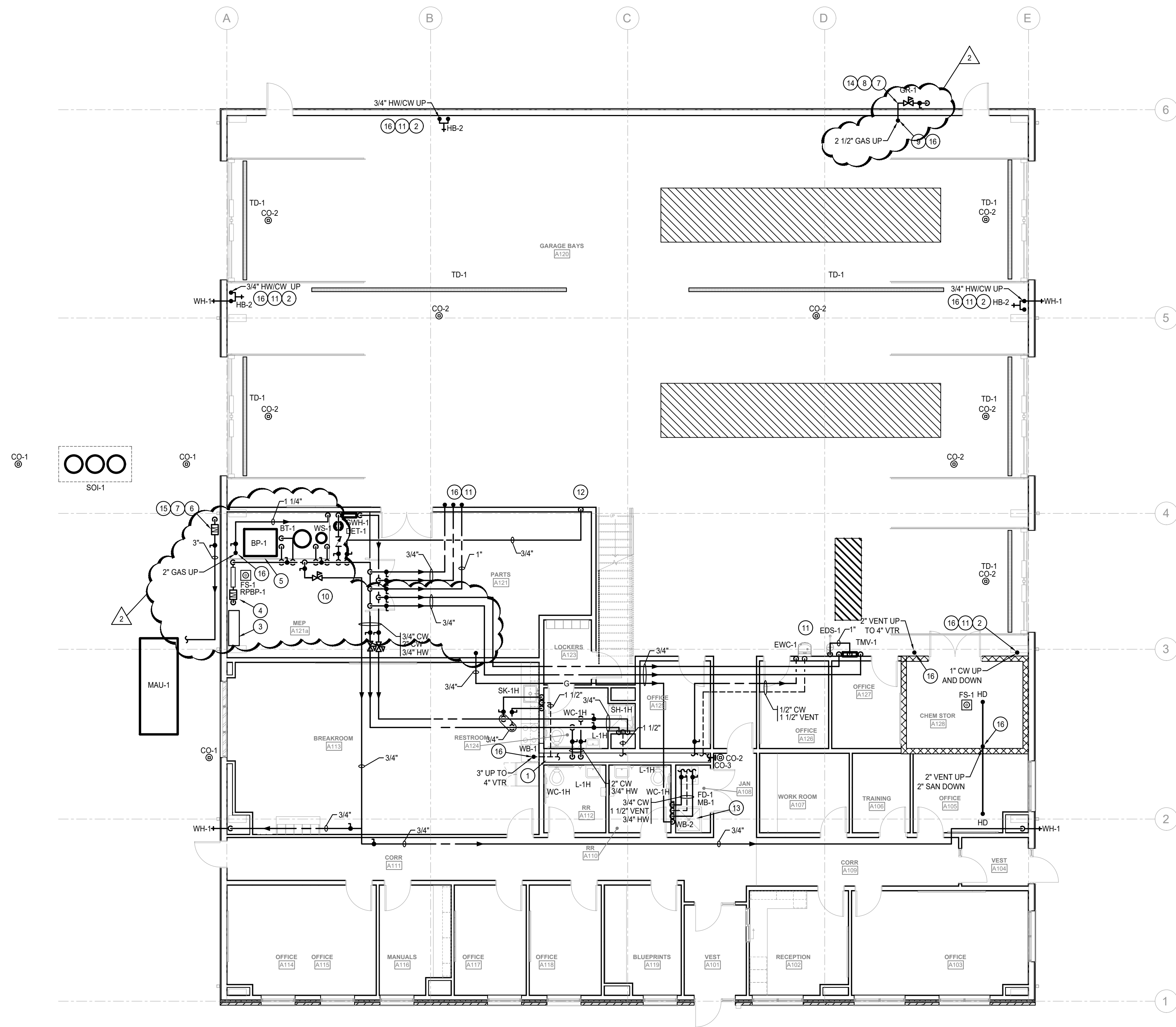
1. P201
2. P202
3. P501

Larry Carter  
RATIO Design  
[Lcarter@ratiodesign.com](mailto:Lcarter@ratiodesign.com)  
317-633-4040

File Location = K:\22029 JVC52 Bus Facility\Draw\Plumb Sheet Name = 439P201.dwg Date Printed = 12-13-23 Time Printed = 12:30:03 PM Printed by = sbs@bbsbbs Copyright Primary Engineering, Inc.

THIS MICROFORME  
PRINT SHOULD  
BE  
GRAYSCALE BOXES  
BELOW IF PRINTED  
PROPERLY WITH  
25% SHADES OF  
GRAY

0 16 32 48 0 8 16 24 32 0 8 16 24 0 4 8 12 0 2 4 6 0 2 4 6 0 1 2 3  
SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"



**FIRST FLOOR PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- ROUTE PLUMBING SUPPLY, DRAIN, AND VENT FULL SIZE ENTIRE LENGTH OF CHASE AND DISTRIBUTE TO FIXTURES AS REQUIRED. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES.
  - INSTALL SHUTOFF VALVES ON VERTICAL PIPE IN ACCESSIBLE LOCATION AT 7'-0" AFF MAXIMUM.
  - FIRE PROTECTION RISER LOCATION.
  - COORDINATE WITH LOCAL UTILITY FOR WATER METER INSTALLATION REQUIREMENTS. REFER TO DOMESTIC WATER ENTRANCE DETAIL ON DRAWING SHEET P401 FOR MORE INFORMATION.
  - PROVIDE AND INSTALL EQUIPMENT ON 4" TALL CONCRETE HOUSEKEEPING PAD.
  - NEW NATURAL GAS SERVICE BY LOCAL UTILITY. TOTAL GAS LOAD 1675 CFH AT 0.5 PSI. COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT REQUIREMENTS.
  - CLEAN SURFACE CORROSION AND PAINT ALL EXPOSED OUTDOOR ABOVEGROUND NATURAL GAS PIPING WITH ALKYO SYSTEM MP EX-1 TO WITH METAL PRIMER AND (2) COATS FLAT GRAY ENAMEL.
  - CONNECT TO NEW NATURAL GAS PIPING BY SITE CONTRACTOR FROM OWNERS NATURAL GAS WELL. PROVIDE AND INSTALL SHUT OFF VALVE AND 700 CFH REGULATOR AT BUILDING ENTRANCE FOR 10 PSI INLET AND 0.5 PSI OUTLET.
  - PAINT ALL INDOOR NATURAL GAS PIPING FROM OWNERS GAS WELL WITH METAL PRIMER AND (2) COATS FLAT ENAMEL. COLOR SELECTION BY ARCHITECT. PROVIDE AND INSTALL PIPE LABELS.
  - REFER TO PLUMBING FLOW DIAGRAM ON DRAWING SHEET P402 FOR SIZES AND MORE INFORMATION.
  - PROVIDE AND INSTALL PVC JACKETING ON ALL PIPE INSULATION EXPOSED IN GARAGE BAYS A120.
  - CONNECT TO OWNERS STEAMER.
  - CONNECT TO OWNERS WASHER/DRYER.
  - PROVIDE AND INSTALL CHAIN HUNG ENGRAVED PLASTIC LABEL AT SHUT OFF VALVE STATING "PRIVATE WELL NATURAL GAS SUPPLY - SEPARATE UTILITY NATURAL GAS SUPPLY LOCATED WEST SIDE OF BUILDING."
  - PROVIDE AND INSTALL CHAIN HUNG ENGRAVED PLASTIC LABEL AT SHUT OFF VALVE STATING "UTILITY NATURAL GAS SUPPLY - SEPARATE PRIVATE WELL NATURAL GAS SUPPLY LOCATED NORTH SIDE OF BUILDING."
  - REFER TO SECOND FLOOR PLUMBING PLAN ON DRAWING SHEET P202 FOR CONTINUATION.

**BEEBE RATIO  
DESIGN**

220 N. COLLEGE AVE  
INDIANAPOLIS, IN 46202

**AECOM HUNT**

**PRIMARY  
ENGINEERING INC.**

Indianapolis Fort Wayne

6785 Concordia Blvd. Suite 103  
Indianapolis, Indiana 46226  
317.324.1221 (ph)  
317.324.1221 (fax)  
www.primaryeng.com

All concepts, ideas, plans, and details shown on this document are the sole property of Primary Engineering, Inc. and shall not be used for any other purpose without their express written consent. This project shall be provided to other parties for their information and reference only.

2023 © Primary Engineering, Inc.

MT VERNON COMMUNITY SCHOOL CORP  
NEW TRANSPORTATION/MAINTENANCE CENTER



REVISIONS:		
#	Date	Desc.
1	02-27-2023	ADDENDUM #3
2	10-13-2023	ASB #07

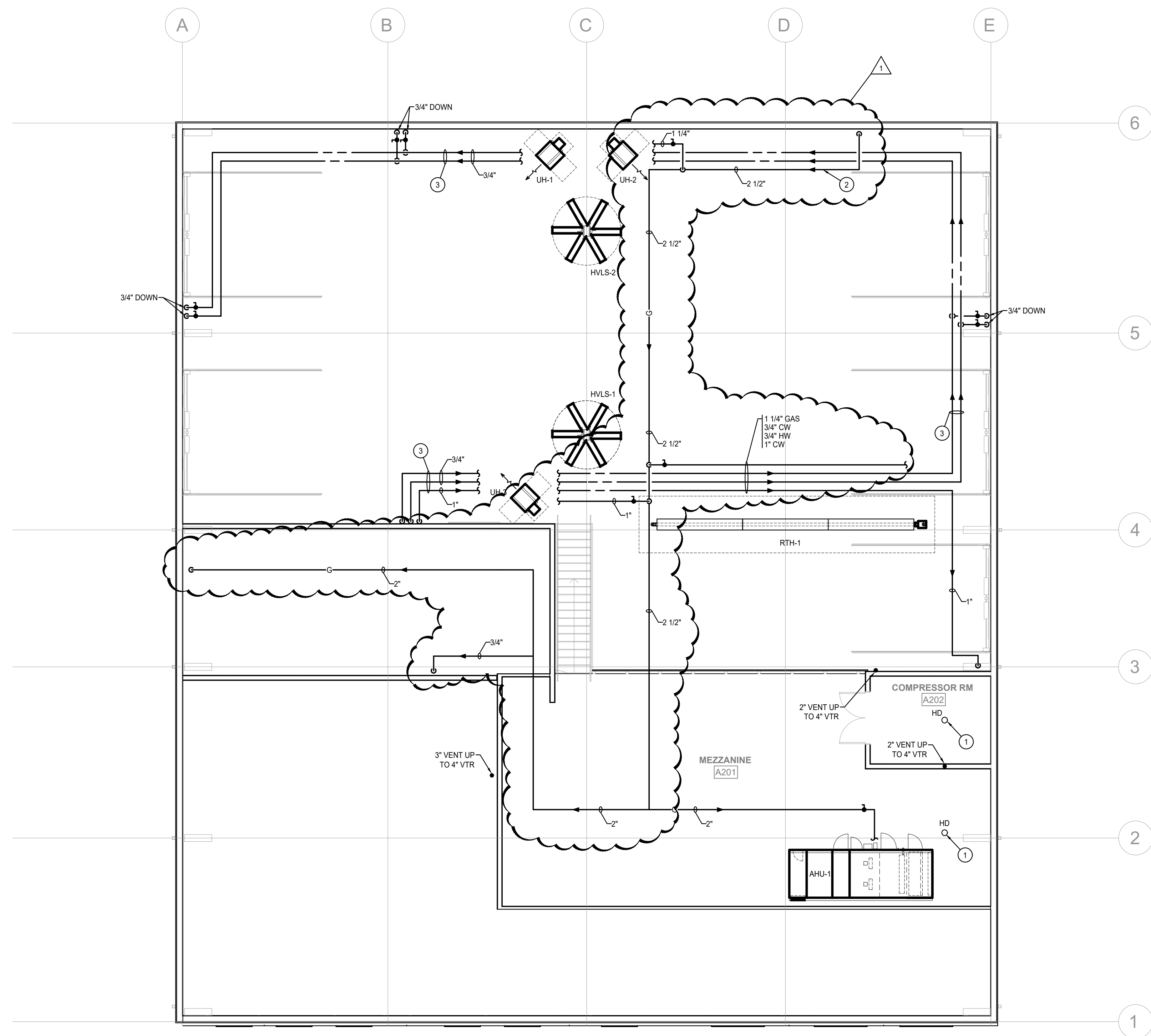
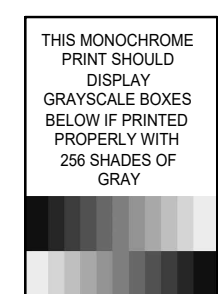
ISSUED FOR CONSTRUCTION

PROJECT:	#646605
DATE:	05-03-2023
DRAWN BY:	ASB

**FIRST  
FLOOR  
PLUMBING  
PLAN**

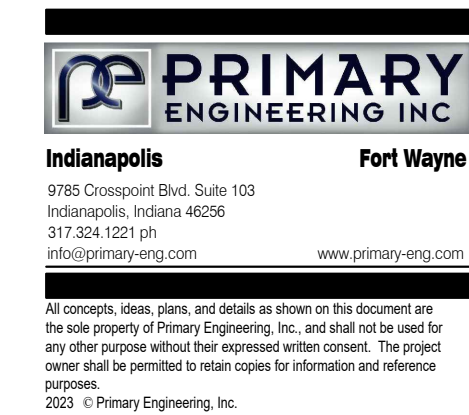
**P201**





**SECOND FLOOR PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"

PLAN NOTES	
1.	COORDINATE HUB DRAIN LOCATION WITH EQUIPMENT SERVED.
2.	PAINT ALL INDOOR NATURAL GAS PIPING FROM OWNER'S GAS WELL WITH METAL PRIMER AND (2) COATS FLAT ENAMEL. COLOR SELECTION BY ARCHITECT. PROVIDE AND INSTALL PIPE LABELS.
3.	PROVIDE AND INSTALL PVC JACKETING ON ALL PIPE INSULATION EXPOSED IN GARAGE BAYS A10.



MT VERNON COMMUNITY SCHOOL CORP  
NEW TRANSPORTATION/MAINTENANCE CENTER



REVISIONS	
#	Date
1	10-13-2023

ISSUED FOR CONSTRUCTION

PROJECT:	#646605
DATE:	05-03-2023
DRAWN BY:	ASL

SECOND  
FLOOR  
PLUMBING  
PLAN

P202



SAND OIL INTERCEPTOR SCHEDULE							
TAG	MFR.	MODEL	SERVICE	MAX FLOW (GPM)	LID CAP (GAL)	PIPE CONN (IN)	REMARKS
SOI-1	STRIEM	OT-500	SAND/OIL	314	265	4	1, 2, 3
REMARKS:							
1. PROVIDE AND INSTALL WITH H20 RATED PICKABLE CAST IRON COVERS.							
2. PROVIDE AND INSTALL WITH RISERS TO GRADE.							
3. REFER TO DRAWING DETAILS FOR MORE INFORMATION.							

PLUMBING FIXTURE SCHEDULE													
TAG	MFR.	MODEL	TRIM MFR.	TRIM MODEL	FLOW RATE (GPF OR GPM)	TRIM TYPE	WASTE	VENT	CW	HW	COLOR	REMARKS	
WC-1H	AMERICAN STANDARD	2257-101	SLDAN	111-SFSM	1.6	FLUSH VALVE	3"	2"	1"	-	WHITE	1, 2	
L-1H	AMERICAN STANDARD	6355-012'-4" SET	CHICAGO	802-ES4-1000XKABCP	1.5	DUAL HANDLE	1-1/4"	1-1/4"	1/2"	1/2"	WHITE	2, 3, 4, 5	
SK-1H	ELKAY	LRAD191965	CHICAGO	1100-XKABCP	1.5	LEVER HANDLE	2"	1-1/2"	1/2"	1/2"	STAINLESS	3, 5	
SH-1H	PIAT	MSS424	SYMMONS	C-96-300-830-V-X	2.5	SHWR HOSE	2"	1-1/2"	1/2"	1/2"	CHROME	-	
MB-1	WOODFORD	B67	CHICAGO	(1) 867-CP & (1) 986-RCF	1.5	DUAL HANDLE	3"	1-1/2"	1/2"	1/2"	WHITE	5, 6	
WH-1	WOODFORD	866-RCF	-	-	-	WALL RECESSED	-	-	3/4"	-	CHROME	-	
HB-1	CHICAGO	835-XKCCP	-	-	-	-	-	-	3/4"	3/4"	CHROME	-	
HB-2	CHICAGO	835-XKCCP	-	-	-	-	-	-	3/4"	3/4"	CHROME	-	
EW-1	OAKSIS	PG08BF	-	SINGLE W/ BOTTLE FILL	1.2	MECH VALVE	1-1/4"	1-1/4"	1/2"	-	STAINLESS	7	
EDS-1	HAWS	8300CRP-8300CRP	HAWS	9102	-	-	-	-	1"	1"	-	8	
WB-1	SILOUX CHIEF	695-G1010MFS	-	-	-	-	-	-	1/2"	-	WHITE	9	
WB-2	SILOUX CHIEF	696-G10210MF	-	-	-	-	-	-	1/2"	1/2"	WHITE	9	
FD-1	JR SMITH	2002V-JDS	CAST IRON	2692 TRAP SEAL	-	ROUND TOP	-	-	-	-	NIKALOY	10	
FS-1	JR SMITH	3100Y	-	-	-	-	-	-	-	-	NIKALOY	10	
CO-1	JR SMITH	4224S	CAST IRON	-	-	FLOOR ROUND	-	-	-	-	NIKALOY	10	
CO-2	JR SMITH	4224S	CAST IRON	-	-	-	-	-	-	-	CAST IRON	10	
CO-3	JR SMITH	4224Y-SS	CAST IRON	-	-	WALL W/COVER	-	-	-	-	STAINLESS	10	
CO-4	JR SMITH	4222-SS	CAST IRON	-	-	END FERRULE	-	-	-	-	CAST IRON	10	
TD-1	DURA TRENCH	DTFF4	DUCTILE IRON	-	-	-	-	-	-	-	DUCTILE IRON	10	
REMARKS:													
1. PROVIDE AND INSTALL WITH HEAVY DUTY, WHITE, ELONGATED, SOLID PLASTIC OPEN FRONT SEAT.													
2. PROVIDE AND INSTALL WITH FLOOR MOUNTED FIXTURE CARRIER.													
3. PROVIDE AND INSTALL WITH 17 GA. CAST BRASS P-TRAP W/ CO. STAINLESS STEEL GRID STRAINER, CHICAGO #1017-CP LOOSE KEY ANGLE STOP, AND SUPPLY RISERS.													
4. PROVIDE AND INSTALL WITH OFFSET DRAIN AND INSULATION KIT ON ALL WASTE AND SUPPLY PIPING. TRUEBRO OR APPVD EQUAL.													
5. PROVIDE AND INSTALL WITH CERAMIC CARTRIDGES.													
6. PROVIDE AND INSTALL UNIT WITH STAINLESS STEEL STRAINER, STAINLESS STEEL BUMPER GUARDS, STAINLESS STEEL WALL GUARD, MOP BRACKET, HOSE AND CHICAGO SILLCOCK.													
7. PROVIDE WATER COOLER WITHOUT ANY INLINE FILTERS.													
8. PROVIDE AND INSTALL WITH HAWS DUST COVER MODEL 9102 AND TEST KIT.													
9. PROVIDE AND INSTALL WITH INTEGRAL WATER HAMMER ARRESTOR(S).													
10. REFER TO PLUMBING DRAWINGS FOR EXACT SIZES.													
NOTES:													
1. *H* DESIGNATES HANDICAP ACCESSIBLE FIXTURES.													

GAS WATER HEATER SCHEDULE															
TAG	MFR.	MODEL	EFF (%)	GAS INPUT (MBH)	RECOVERY (GPM)	BURNER TURNOW (IN)	GAS PRES. (IN)	GAS CONN (IN)	WATER CONN (IN)	FLUE CONN (IN)	FLUE MATL	WT. (LB)	ELEC (V/PH)	ELEC (MCA)	REMARKS
GWH-1	NAVYEN	NPE-180S2	96	150	4.3 GPM	10-1	4-11	3/4	3/4	2	CRVC/ PVC	75	120V	4	1, 2, 3
REMARKS:															
1. INSTANTANEOUS FLOW RATE AT 67 DEG TEMP RISE.															
2. PROVIDE WITH DESCALING/FLUSHING KIT WITH 5 GAL BUCKET, SUMP PUMP, (2) STAINLESS BRAIDED HOSES WITH HOSE CONNECTIONS, (1) GALLON DESCALER SOLUTION.															
3. PROVIDE WITH FLUSHING PIPE CONNECTION FITTINGS AT INLET AND OUTLET OF HEATER TO ALLOW DESCALING WITHOUT BREAKING PIPE CONNECTIONS.															

WATER SOFTENER SCHEDULE													
TAG	MFR.	MODEL	TYPE	MAX FLOW (GPM)	NOM. FLOW (GPM)	MAX WPD (PSI)	RESIN CAPACITY (GRAINS/TANK)	RESIN VOLUME (CU FT./TANK)	SALT STORAGE (LBS)	EXIST HARD. (GRAINS)	REGEN. EFF.	ELEC (V/PH)	REMARKS
WS-1	CULLIGAN	CTM120-DF	SIMPLEX	72.5	50	15	120000	4	800		2	120V	1, 2, 3
REMARKS:													
1. PROVIDE AND INSTALL WITH DEMAND USE REGENERATION WITH ULTRASONIC FLOW METERS AND FULLY ELECTRONIC CONTROLS.													
2. FLOW METERS SHALL BE ULTRASONIC STYLE WITH MINIMUM PIPE DIAMETER REQUIREMENTS. DO NOT USE TURBINE WHEELS.													
3. PROVIDE WITH FULL TANK OF SALT WITH AN ADDITIONAL 100% IN BAGS STORED ON PALLET FOR OWNER.													

THERMOSTATIC MIXING VALVE SCHEDULE												
TAG	MFR.	MODEL	MIN FLOW (GPM)	MAX FLOW (GPM)	P.D. (PSI)	INLETS (IN)	OUTLET (IN)	SETPOINT (DEG F)	ASSE CERT.	CABINET	SERVICE	REMARKS
TMV-1	LAWLER	911-84708	25	35	10	1 1/4	1 1/4	85	1071	SURFACE	EMERG. SHOWER	1
REMARKS:												
1. SHALL COMPLY WITH ANSI Z358.1, FAIL TO FULL COLD FLOW, MAINTAIN +/- 3 DEG.												

DOMESTIC BOOSTER PUMP SCHEDULE										
TAG	MFR.	MODEL	TOTAL FLOW (GPM)	TOTAL HEAD (FT)	ENTERING PRESS. (PSI)	LEAVING PRESS. (PSI)	MOTOR (HP)	PUMP RPM	ELEC (V/PH)	REMARKS
DBP-1	BELL & GOSSETT	E-MT	50	127	10	60	3.0	3600	208/3	1, 2, 3, 4, 5, 6, 7, 8
REMARKS:										
1. PROVIDE AND INSTALL WITH SKID MOUNTED PREPARED AND FACTORY WIRED SYSTEM.										
2. PROVIDE INDIVIDUAL ISOLATION VALVES AND PINS FOR EACH PUMP.										
3. PROVIDE AND INSTALL WITH FACTORY WIRED CONTROL PANEL WITH PRESSURE SENSORS, PRESSURE GAUGES, STARTERS, STATUS LIGHTS, AND DISCONNECT SWITCH.										
4. PANEL SHALL BE WIRED FOR A SINGLE POINT ELECTRICAL CONNECTION.										
5. PROVIDE AND INSTALL WITH DUPLEX 100% REDUNDANT PUMPS.										
6. PROVIDE AND INSTALL WITH WESELS ASME P-4AS DRAW DOWN TANK.										
7. PROVIDE AND INSTALL WITH PACKAGED VARIABLE SPEED DRIVE AND CONTROLS WITH BACNET INTERFACE.										
8. PROVIDE AND INSTALL LOW SUCTION PRESSURE SHUTOFF CONTROLS.										

BACKFLOW PREVENTER SCHEDULE						
TAG	MFR.	MODEL	SERVICE	TYPE	SIZE (IN)	REMARKS
BFP-1	WILKINS	375-FSC	DOMESTIC	REDUCED PRESSURE	2"	YES
BFP-2	WILKINS	350AS7	FIRE PROTECTION	REDUCED PRESSURE	4"	N
REMARKS:						
1. SHALL MEET REQUIREMENTS OF NSF/ANSI 61 FOR LEAD FREE POTABLE SERVICE.						
2. PROVIDE WITH AIR GAP DRAIN CUP ASSEMBLY, PIPED TO FLOOR DRAIN.						
3. PROVIDE WITH EPOXY COATED WATER WAY.						
4. WITH NRS GATE SHUT OFF VALVES, INSTALL AT ANGLE TO PROVIDE CLEARANCE TO PIPING ABOVE AS NEEDED.						

PLUMBING THERMAL EXPANSION TANK SCHEDULE									
TAG	MFR.	MODEL	TOTAL VOL. (GAL)	ACCEPT VOL. (GAL)	DIA (IN)	HEIGHT (IN)	PRECHARGE (PSIG)	CONN. SIZE (IN)	REMARKS
DET-1	AMTROL	ST20V-C	7.6	2.4	12	20	12	3/4	1, 2, 3
REMARKS:									
1. ALL TANKS SHALL BE ASME RATED AND SHALL BE PROVIDED WITH A LINE SIZE T&P RELIEF VALVE ON THE INLET PIPING.									
2. PROVIDE WITH INTEGRAL INLET TURBULATOR TO PREVENT STAGNANT WATER IN THE TANK AS WELL AS ANTI-MICROBIAL LINER IN TANK.									
3. CONTRACTOR MUST VERIFY THE SYSTEM STATIC WATER PRESSURE PRIOR TO INSTALLING TANK AND ADJUST PRE-CHARGE AS REQUIRED.									

NATURAL GAS LOAD SCHEDULE						
EQUIPMENT	TAG	CFH	PRESSURE	LOCATION	CONN (IN)	REMARKS
WATER HEATER	GWH-1	150	11" W.C.	PARTS A121	3/4	1
AIR HANDLER	AHL-1	150	11" W.C.	MEZZANINE	3/4	1
MAKE UP AIR UNIT	MAU-1	1,050	11" W.C.	OUTDOORS	1 1/4	-
GAS DRYER	-	20	11" W.C.	JAN A108	1/2	1
RADIANT HEATER	RTH-1	125	11" W.C.	GARAGE BAYS A120	1/2	1
UNIT HEATER	UH-1	60	11" W.C.	GARAGE BAYS A120	1/2	1
UNIT HEATER	UH-2	60	11" W.C.	GARAGE BAYS A120	1/2	1
UNIT HEATER	UH-3	60	11" W.C.	GARAGE BAYS A120	1/2	1
TOTAL		1,675	CFH			
REMARKS:						
1. EQUIPMENT SUPPLIED FROM OWNERS NATURAL GAS WELL.						

BEEBEE  
DESIGN

RATIO

220 N. COLLEGE AVE  
INDIANAPOLIS, IN 46202

AECOM HUNT

PRIMARY  
ENGINEERING INC

IndianapolisFort Wayne

6785 Cornerstone Blvd, Suite 103  
Indianapolis, Indiana 46226  
317.324.1231 (ph)  
317.324.1231 (fax)  
www.primaryeng.com

All concepts, ideas, plans, and details are those of the undersigned and are not to be used for any other purpose without their expressed written consent. This project was created for the purpose of the design and construction of the project and is not to be used for any other purpose without their expressed written consent.

2023 © Primary Engineering, Inc.

MT VERNON COMMUNITY SCHOOL CORP  
NEW TRANSPORTATION/MAINTENANCE CENTER

REGISTERED PROFESSIONAL ENGINEER  
PE11700017  
STATE OF INDIANA

*[Signature]*

REVISIONS:  
# 1 Date 10-13-2023 Desc. ASB #07

ISSUED FOR CONSTRUCTION

PROJECT: #646605  
DATE: 05-03-2023  
DRAWN BY: ASB

PLUMBING  
SCHEDULES



# AECOM HUNT

**Project:**

Mt. Vernon Community School Corp.  
New Transportation Center  
Hunt Job #01123203

December 15, 2023

**Potential Change Item:** PCI #50 – ASI #10 – Add dryer exhaust booster fan

**SCOPE OF CHANGE:**

TR-06 AA Huber to furnish and install dryer exhaust booster fan per ASI #10.

**COST: \$3,394.00**

Allowance Authorization

The Original Allowance was:	\$20,000.00
Previous Allowance Authorizations:	- 2,452.19
Balance Prior to this Authorization:	\$17,547.81
Allowance will be Decreased by:	- 3,394.00
New Allowance Balance will be:	\$14,153.81

**FUNDING SOURCE:**

Contractor Allowance

**DOCUMENTS ATTACHED:**

AA Huber quote for ASI #10 (marked up by Hunt)  
ASI #10 documents from Ratio Design

Allowance authorization was incorrect on this  
PCI. Corrected amounts are as follows:

Orig: \$20,000.00

Prev Auth: \$ 3,732.19 (PCI #36, 24.2, 47)

Balance Prior: \$16,267.81

Allow Dec by: \$ 3,394.00

New Balance: \$12,873.81

This is reflected in AA Huber CO #5.

LJ - Hunt 12/19/2023

**CHANGE ACKNOWLEDGEMENT:**

After review, we recommend a No-Cost Change Order be issued to AA Huber as outlined above for this additional Work.

AECOM Hunt

DocuSigned by:



F598ED600A64485...

Ratio Design

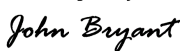
DocuSigned by:



BEF2A3FE7906469...

Veridus Group

DocuSigned by:



379B1558D58946C...

Mt. Vernon Community School Corp.

DocuSigned by:



153E50547E9B46C...

**Date: 11/13/2023****To: Hunt Construction Group (AECOM Hunt)****Job Name: Mt. Vernon New Transportation Bldg****Job #: 01123203****Change Order Request #: 233501-03****Description of Work:**

Provide and install exhaust fan for clothes dryer as directed in PCI050 - ASI # 10

**Summary**

Labor	\$	170.00	
Materials/Equipment	\$	-	
Cost of Evaluation	\$	-	
Rental Equipment/Tools	\$	-	
Miscellaneous	\$	-	
Subcontractors	\$	3,468.00	\$ 3,224 revised (no tax)
Overhead @ 10% Labor/Equipment/Material	\$	<del>18.89</del>	
Overhead @ 5% Subcontractors	\$	<del>182.53</del>	change to be paid via Allowance so no markups or bond increase
Tax	\$	-	
Bonds	\$	<del>36.38</del>	
<b>Total Change Order Price</b>	<b>\$</b>	<b><del>3,876.00</del></b>	<b>\$ 3,394.00</b> LJ - Hunt 12/15/23

---

 Plumbing • Heating • Air Conditioning • Design-Build • Commercial • Industrial
 

---

 500 N. Jackson Street • Greencastle, IN 46135 • Phone (765) 653-3133
 

---

 5809 W. 73rd Street • Indianapolis, IN 46278 • Phone (317) 759-7167
 

---

**Detail Sheet****Change Order Request #: 233501-03**

<b>Labor</b>	<u>Qty.</u>	<u>Rate</u>	<u>Total</u>
Foreman Hours	1	\$85.00 = \$	85.00
Journeyman Hours	0	\$82.00 = \$	-
Apprentice Hours	0	\$66.00 = \$	-
Shop Fabrication Hours	0	\$67.00 = \$	-
Material Handling Hours	0	\$67.00 = \$	-
Layout & Coordination	1	\$85.00 = \$	85.00
<b><u>Subtotal</u></b>		<b>\$</b>	<b><u>170.00</u></b>

<b>Materials/Equipment</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Pipe, Valves, Fittings	Lot	\$ - = \$	-
Equipment	Lot	\$ - = \$	-
Hanging Materials	Lot	\$ - = \$	-
Consumables	Lot	\$ - = \$	-
Miscellaneous Materials	Lot	\$ - = \$	-
<b><u>Subtotal</u></b>		<b>\$</b>	<b><u>-</u></b>

<b>Cost of Evaluation</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Review of Drawings	0	\$ 75.00 = \$	-
Takeoff/Estimating	0	\$ 75.00 = \$	-
Printing Costs	Lot	\$ - = \$	-
Drafting/CAD work	0	\$ 75.00 = \$	-
Engineering Fees		\$ - = \$	-
<b><u>Subtotal</u></b>		<b>\$</b>	<b><u>-</u></b>

<b>Rental Equipment/Tools</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Torch & Brazing Alloy	0	\$ - = \$	-
Tools & Expendables	Lot	\$ - = \$	-
<b><u>Subtotal</u></b>		<b>\$</b>	<b><u>-</u></b>

<b>Subcontractors</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Excavation		\$ - = \$	-
Air/Water Balance		\$ - = \$	-
Temperature Controls		\$ - = \$	-
Sheet Metal	1	\$ 3,468.00 = \$	3,468.00
<b><u>Subtotal</u></b>		<b>\$</b>	<b><u>3,468.00</u></b>

<b>Miscellaneous</b>	<u>Qty.</u>	<u>Amount</u>	<u>Total</u>
Truck Charge	0	\$ 40.00 = \$	-
Permits/Fees	0	\$ - = \$	-
<b><u>Subtotal</u></b>		<b>\$</b>	<b><u>-</u></b>





Contact Name  
Company Name  
Address  
City

11/13/2023

RE: MVCSC \_ PSM 002 Dryer Exhaust

Anthony,

Thank you for the chance to work with your team on this project. This cost is for the additional inline dryer exhaust fan and a lint trap. Please see our cost break out below.

Item or Task	HOURS OR UNITS REQUIRED	RATE	COSTS
Field Labor (350)	16 HOURS REQUIRED	\$75.42	\$1,206.72
Field Labor (350-001)	0 HOURS REQUIRED	\$75.42	\$0.00
Field Labor (350-008)	0 HOURS REQUIRED	\$75.42	\$0.00
Shop Labor Duct	2 HOURS REQUIRED	\$91.00	\$182.00
Shop Material			\$150.00
Consumables			\$50.00
Purchased Equipment	<b>Fan and Lint Trap</b>		\$1,005.00
Trucking	1 HOURS REQUIRED	\$75.00	\$75.00
Supervision	1 HOURS REQUIRED	\$81.23	\$81.23
Project Manager	1 HOURS REQUIRED	\$90.00	\$90.00
Detailer	1 HOURS REQUIRED	\$91.00	\$91.00
Rental			\$0.00
Subcontractor			\$0.00
Tax		7.00%	\$84.35
<b>Costs</b>			<del>\$3,015.30</del>
Mark up on Labor		15%	<del>\$258.89</del>
Mark up on Material / Rental		15%	<del>\$193.40</del>
Mark up on Subcontractor		15%	<del>\$0.00</del>
<b>Total Cost</b>			<del>\$3,468</del>
Bond		0.00%	\$0
<b>Total Request</b>			<del>\$3,468</del>

tax exempt  
2,930.95  
293.10  
3,224.05

allowed markup  
is 10% by  
contract

Excludes: Wall cutting and patching, overtime, electrical, controls, painting, thermal insulation, and all listed exclusions on original scope

Please feel free to call me at 317-893-1193 to discuss.

Sincerely,

\_\_\_\_\_  
Name  
Project Manager

*This quotation is good for 30 days from the date thereof, but may be accepted at a later date at the sole discretion of Poynter Sheet Metal.*

## Johnson, Luke

---

**From:** Anthony Richardson <arichardson@aahuber.com>  
**Sent:** Thursday, November 30, 2023 12:31 PM  
**To:** Johnson, Luke  
**Subject:** FW: MVCSC - Transportation - PCI050 ASI #10 Provide exhaust fans for clothes dryer + cover letter

### This Message Is From an External Sender

This message came from outside your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

[Report Suspicious](#)

Please see the cost below for the Dryer Exhaust fan items

**Anthony Richardson**  
**A.A. Huber & Sons, Inc.**  
**Operations Manager – Indianapolis**

**Direct – 317-759-7169**  
**Office – 317-759-7167**  
**Mobile – 317-800-2983**

**5809 West 73<sup>rd</sup> Street**  
**Indianapolis, IN 46278**



---

**From:** Jason Liechty <jliechty@colbyequipment.com>  
**Sent:** Friday, November 10, 2023 1:41 PM  
**To:** Neal, Randy <RandyNeal@poyntersheetmetal.com>  
**Subject:** RE: MVCSC - Transportation - PCI050 ASI #10 Provide exhaust fans for clothes dryer + cover letter

Randy,

I am assuming that only a dryer booster fan & lint trap were added that are called out on the narrative. Note#13 on M201 says to reference the dryer detail on M401 however M401 is not included in the ASI release. I am excluding anything that would be shown on M401 that is not on the drawings provided.

Here is what I have in my scope:

1 – FanTech DEDPV-705 (EF-6)

1 – FanTech BDLT 4" Lint Trap

Your cost is \$1005.

Let me know if you have any questions or need anything else.

Thank you



**Jason Liechty**  
Sales, Colby Equipment

**D** [317-333-8763](tel:317-333-8763)

**P** [317-545-4221](tel:317-545-4221)

**E** [jliechty@colbyequipment.com](mailto:jliechty@colbyequipment.com)

**W** [www.colbyequipment.com](http://www.colbyequipment.com)

VIEW THE COLBY EQUIPMENT  
**Warehouse Catalog**



**Looking for parts? Need tracking information or to place a warehouse order?**

Our Customer Service Team is ready to help!

[customerservice@colbyequipment.com](mailto:customerservice@colbyequipment.com)

317-545-4221 x. 141

---

**From:** Neal, Randy <[RandyNeal@poyntersheetmetal.com](mailto:RandyNeal@poyntersheetmetal.com)>

**Sent:** Friday, November 10, 2023 1:11 PM

**To:** Jason Liechty <[jliechty@colbyequipment.com](mailto:jliechty@colbyequipment.com)>

**Subject:** FW: MVCSC - Transportation - PCI050 ASI #10 Provide exhaust fans for clothes dryer + cover letter

**Importance:** High

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

*Please price.*



**Randy Neal**  
Project Executive  
**Poynter**  
**O:** 317.893.1193  
**C:** 812.287.1774  
[Poyntersheetmetal.com](http://Poyntersheetmetal.com)

[Connect with us!](#)

---

**From:** Anthony Richardson <[arichardson@aahuber.com](mailto:arichardson@aahuber.com)>  
**Sent:** Thursday, November 9, 2023 8:35 AM  
**To:** Neal, Randy <[RandyNeal@poyntersheetmetal.com](mailto:RandyNeal@poyntersheetmetal.com)>  
**Subject:** FW: MVCSC - Transportation - PCI050 ASI #10 Provide exhaust fans for clothes dryer + cover letter  
**Importance:** High

I was not sure if you had seen this one yet.

**Anthony Richardson**  
**A.A. Huber & Sons, Inc.**  
**Operations Manager – Indianapolis**

**Direct – 317-759-7169**  
**Office – 317-759-7167**  
**Mobile – 317-800-2983**

**5809 West 73<sup>rd</sup> Street**  
**Indianapolis, IN 46278**



---

**From:** Weddle, Braden <[Braden.Weddle@aecom.com](mailto:Braden.Weddle@aecom.com)>  
**Sent:** Tuesday, November 7, 2023 4:42 PM  
**To:** Brock Legere <[blegere@randmelectricinc.com](mailto:blegere@randmelectricinc.com)>; Smith, Drew <[drewsmith@poyntersheetmetal.com](mailto:drewsmith@poyntersheetmetal.com)>; Trevor Mullis <[trevor@randmelectricinc.com](mailto:trevor@randmelectricinc.com)>; Clinton Moore <[cmoore@aahuber.com](mailto:cmoore@aahuber.com)>; Anthony Richardson <[arichardson@aahuber.com](mailto:arichardson@aahuber.com)>  
**Cc:** Weddle, Braden <[Braden.Weddle@aecom.com](mailto:Braden.Weddle@aecom.com)>; Johnson, Luke <[Luke.Johnson@aecom.com](mailto:Luke.Johnson@aecom.com)>; Wolf, Justin <[Justin.Wolf@aecom.com](mailto:Justin.Wolf@aecom.com)>; Gulley, Jim <[Jim.Gulley@aecom.com](mailto:Jim.Gulley@aecom.com)>  
**Subject:** MVCSC - Transportation - PCI050 ASI #10 Provide exhaust fans for clothes dryer + cover letter  
**Importance:** High

Team,

Please see attached PCI050 ASI #10 Provide exhaust fans for clothes dryer + cover letter. Let me know if you have any questions.

Thanks,

*Braden D. Weddle*  
**Braden Weddle**  
Project Engineer  
M +1.317.694.1066

[Braden.weddle@aecom.com](mailto:Braden.weddle@aecom.com)

## **AECOM** HUNT

2450 South Tibbs Avenue

Indianapolis, IN 46241

T +1-317-227-7800

[https://link.edgepilot.com/s/a9847512/LtJSCP4HqEqfK-](https://link.edgepilot.com/s/a9847512/LtJSCP4HqEqfK-AHtDNfJA?u=http://www.aecomhunt.com/)

[AHtDNfJA?u=http://www.aecomhunt.com/](http://www.aecomhunt.com/)

**Built to deliver a better world**

[LinkedIn](#) [Twitter](#) [Facebook](#) [Instagram](#)



Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.



## **ARCHITECTS SUPPLEMENTAL INSTRUCTIONS #10**

**PROJECT:** Mount Vernon Transportation Center  
**OWNER:** Mount Vernon Community School Corporation  
**PROJECT NUMBER:** 21133  
**DATE:** 11/7/2023

### **Work Description:**

- 1. Provide exhaust fan on the clothes dryer duct.**

### **Attachments:**

1. RATIO Design Cover Letter
2. Primary Engineering Cover Letter
3. Drawing M201
4. Drawing M501
5. Drawing E201

Larry Carter  
RATIO Design  
[LCarter@ratiodesign.com](mailto:LCarter@ratiodesign.com)





**Primary Engineering, Inc**  
2828 Lake Ave.  
Fort Wayne, Indiana 46805

(260) 424-0444 phone  
info@primary-eng.com

---

***Architectural Supplemental Instruction***

**Date:** November 7, 2023

**Company:** AECOM Hunt

**Attention:** Luke Johnson

**Project Name:** Mt. Vernon Community School Corp. New Transportation/Maintenance Center

**Project #:** 22429

**ASI #:** 10 – Dryer Booster Fan

**Architectural Supplemental Instruction:**

**AA Huber scope for ASI #10**

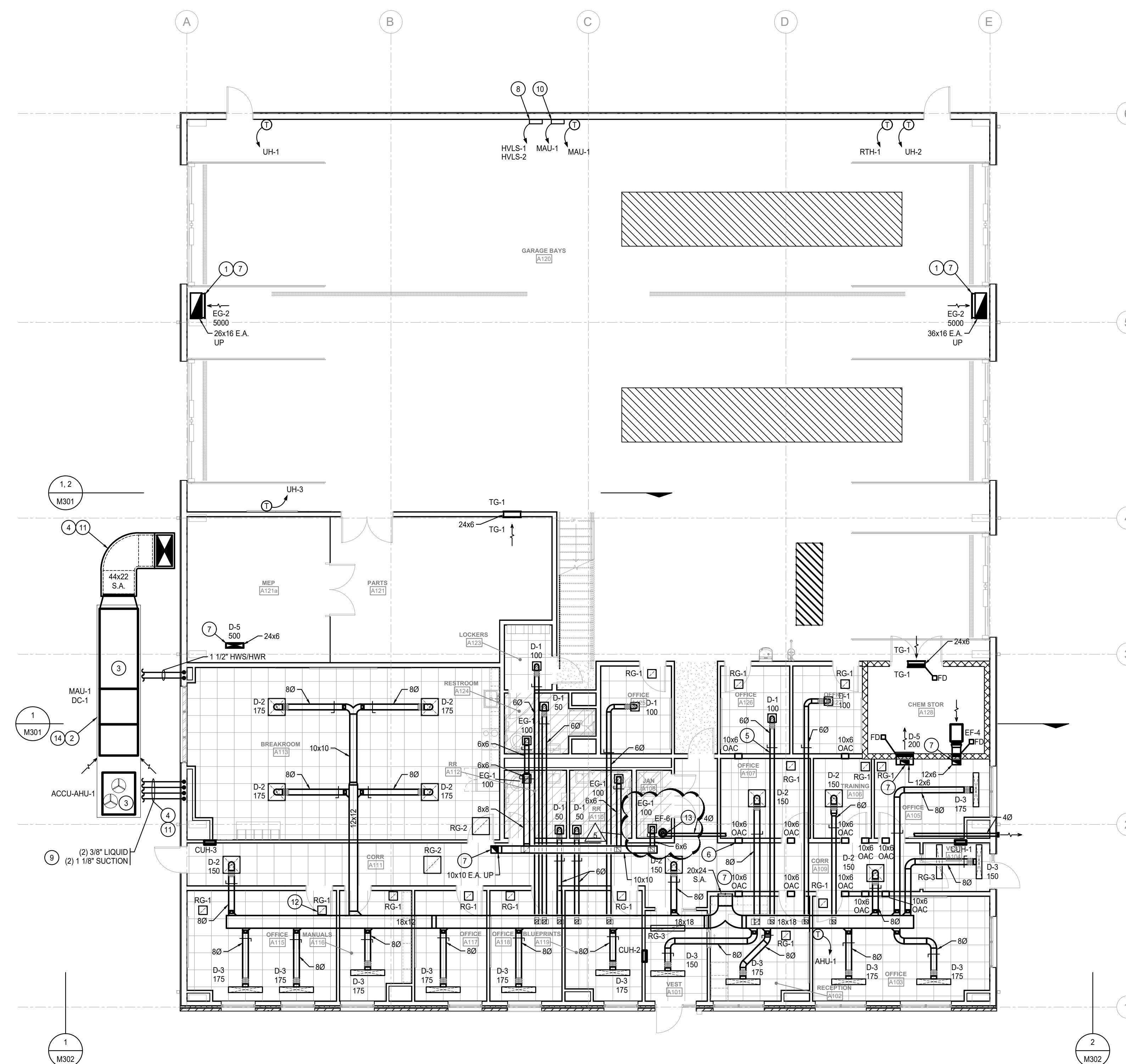
1. Add dryer booster fan EF-6 and secondary lint trap as shown in the attached drawing revisions to M201 and M501.
2. Add duplex receptacle and branch circuit to serve EF-6 and two gang device box for indicator panel shown in the attached drawing revisions to E201.

Signed: \_\_\_\_\_

Andrew Louderback

- ☒ Project File
- ☐ Chronological File
- ☐ Shop Drawing File
- ☐ Cc:

K:\22429 MVCSC Bus Facility\Corres\ESI-RFI\ASI-10 Dryer Booster Fan\ASI-10 MV Transportation Center - Dryer Booster Fan.docx



 **FIRST FLOOR MECHANICAL PLAN**  
SCALE: 1/8" = 1'-0"

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



### PLAN NOTES

1. PROVIDE AND INSTALL 1/2" MUST GRILL AT FLOOR. EXHAUST DUCT WITHIN 10'-0" OF FINISHED FLOOR SHALL BE 18 GA PAINT PRP GALVANIZED FOR FIELD PANNING BY GC. COLOR SELECTION BY ARCHT. COORDINATE WITH GC.
2. PROVIDE AND INSTALL EQUIPMENT ON NEW CONCRETE PAD. REFER TO TYPICAL EQUIPMENT PAD DETAIL ON DRAWING SHEET M401 FOR MORE INFORMATION.
3. PROVIDE AND INSTALL EQUIPMENT PER MANUFACTURER'S INSTALLATION REQUIREMENTS AND TO MAINTAIN CLEARANCE FOR SERVICE AND AIRFLOW.
4. PROVIDE AND INSTALL ALUMINUM JACKETING ON EXTERIOR PIPING AND DUCTWORK.
5. ROUTE DUCTWORK THROUGH MEZZANINE FLOOR JOIST SPACE. TYPICAL.
6. PROVIDE AND INSTALL RETURN AIR OPENINGS ABOVE CEILING ALIGNED IN JOIST BAY. MAINTAIN CLEARANCE EQUAL TO MINOR DUCT DIMENSION OR MINIMUM 12" FOR AIRFLOW. COORDINATE WITH ALL TRADES. TYPICAL.
7. REFER TO SECOND FLOOR MECHANICAL PLAN ON DRAWING SHEET M202 FOR CONTINUATION.
8. PROVIDE AND INSTALL PACKAGED HWLS CONTROLLER.
9. VERIFY EXACT REFRIGERANT PIPE ROUTING AND SIZING WITH MANUFACTURER.
10. PROVIDE AND INSTALL MAU-1 REMOTE CONTROL CONSOLE.
11. SUPPORT OUTDOOR DUCTWORK AND PIPING FROM GRADE USING B-LINE DURA-BLOK SUPPORTS WITH STAINLESS STEEL HARDWARE.
12. PROVIDE AND INSTALL LINED RETURN BOOTS ON PLENUM RETURN GILDED RG-1 AND RG-2. REFER TO SOUND ATTENUATOR RETURN GRILLE DETAIL ON DRAWING SHEET M401 FOR MORE INFORMATION.
13. CONNECT DRYER VENT TO OWNER'S DRYER. REFER TO DRYER VENT DETAIL ON DRAWING SHEET M401 FOR MORE INFORMATION. PROVIDE AND INSTALL DRYER BOILER FAN AND SECONDARY LINER T50P.
14. PROVIDE AND INSTALL FIELD FABRICATED COLD PLENUM FOR DUCT COL DCT.1. MODIFY MAU-1 AS REQUIRED. MATCH MAU-1 AND PLENUM GAS CONNECTION.

**BEEBE** **RATIO**  
**DESIGN**

**AECOM HUNT**



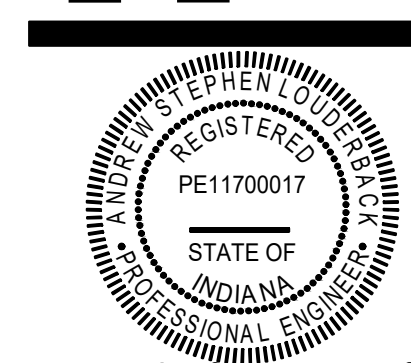
**PRIMARY**  
ENGINEERING INC.

**Indianapolis**  
9705 Crosspoint Blvd, Suite 103  
Indianapolis, Indiana 46256  
317 324.1221 ph  
info@primary-eng.com

**Fort Wayne**  
www.primary-eng.com

All concepts, ideas, plans, and details as shown on this document are the sole property of Primary Engineering, Inc., and shall not be used for any other purpose without their expressed written consent. The project owner shall be permitted to retain copies for information and reference purposes.  
© Primary Engineering, Inc.

MT VERNON COMMUNITY SCHOOL CORP  
NEW TRANSPORTATION/MAINTENANCE CENTER





#	Date	Desc.
1	02-20-2023	ADDENDUM #1
2	02-27-2023	ADDENDUM #3
3	05-31-2023	ASI 04
4	10-09-2023	ASI 08
5	11-06-2023	ASI 10

ISSUED FOR CONSTRUCTION

PROJECT: #646605
DATE: 05-03-2023
DRAWN BY: ASL

FIRST  
FLOOR  
MECHANICAL  
PLAN

M201



AIR HANDLER SCHEDULE											
TAG	MFR.	MODEL	CARRIER								
	MODEL	36MN10W									
	SERVICE	OFFICES									
	UNIT DIM LxWxH (IN)	250 x 76 x 40									
	UNIT WIEGHT (LBS)	2579									
	FILTER AREA (S.F.)	13.33									
	FILTER APD (IN W.C.)	0.1									
	DESIGN APD (IN W.C.)	0.5									
	FILTER TYPE	2" PLEATED									
	FILTER EFF.	MERV 13									
	SUPPLY FAN										
	AIRFLOW (CFM)	4000									
	OUTSIDE AIR (CFM)	400									
	TSP (IN W.C.)	2.30									
	ESP (IN W.C.)	1.50									
	RPM	2135									
	FAN TYPE	PL									
	FAN QUANTITY	2									
	DRIVE TYPE	DIRECT									
	MOTOR (HP, EA)	2.0									
	MOTOR (BHP, EA)	1.5									
	ELECTRICAL V (PH)	208/3									
	MODULATION	VSD									
	DX COOLING COIL										
	AIRFLOW (CFM)	4000									
	TOTAL CAP (MBH)	92.9									
	SENS CAP (MBH)	92.9									
	EAT DBWB (DEG F)	77 / 62									
	LAT DBWB (DEG F)	56 / 54									
	ROWS	6									
	FPI	8									
	PD (IN W.C.)	0.4									
	FACE VELOCITY (FPM)	405									
	SST (DEG F)	49.9									
	SCT (DEG F)	116.7									
	REFRIGERANT	R410A									
	CIRCUITS	2									
	DRAWTHRU TRAP DEPTH	8.0									
	INDIRECT FIRED GAS FURNACE										
	AIRFLOW (CFM)	4000									
	FUEL TYPE	NATURAL GAS									
	TOTAL CAP INPUT (MBH)	150									
	TOTAL CAP OUTPUT (MBH)	120									
	EAT (DEG F)	60									
	LAT (DEG F)	90									
	GAS PRESSURE (IN WC)	5 TO 13.5									
	TURNDOWN	10 TO 1									
	APD (IN W.C.)	0.32									
	FACE VELOCITY (FPM)	720									
	REMARKS	1, 2, 3, 4, 5, 6, 7									
REMARKS: 1. ALL SECTIONS SHALL BE DOUBLE WALL CONSTRUCTION WITH R-13 FOAM INSULATION. 2. PROVIDE AND INSTALL ON 6" HIGH FULL LENGTH BASE RAIL (MINIMUM). 3. REFER TO DRAWING DETAILS FOR AIR HANDLER MODULE CONFIGURATIONS. 4. DX COOLING COIL CASING SHALL BE STAINLESS STEEL. 5. MOTOR SHALL HAVE CLASS F INSULATION FOR USE WITH VARIABLE SPEED DRIVE. 6. MOTOR SHALL BE MULTI-TAP 460/240/208 BALDOR SUPERE WITH INTEGRAL SHAFT GROUNDING RING AND COMPLY WITH NEMA MG1 FOR VARIABLE SPEED OPERATION. 7. FURNISH WITH NEEDLEPOINT BIPOLAR IONIZER. REFER TO NEEDLEPOINT BIPOLAR IONIZER SCHEDULE.											
PL=PLENUM, AF=AIROFLOW, FC=FORWARD CURVE, BI=BACKWARD INCLINED TRFT=TOP FRONT, TRBK=TOP BACK, FTP=FRONT TOP, FTBT=FRONT BOTTOM BTFT=BOTTOM FRONT, BTBK=BOTTOM BACK, SD=SIDE											

GAS RADIANT TUBE HEATER SCHEDULE											
TAG	ROW	MFR.	MODEL	SERVICE	INPUT (MBH)	TUBE LENGTH (FT)	MOUNTING HEIGHT (FT)	ELEC AMPS	ELEC (V/PH)	REMARKS	
RTH-1		REZNOR	VPS100	SERVICE BAYS	125	30	16	-	1201	1, 2, 3, 4	
REMARKS: 1. PROVIDE AND INSTALL WITH STAINLESS STEEL REFLECTORS. 2. PROVIDE AND INSTALL WITH STAINLESS STEEL HANGER KIT. 3. PROVIDE AND INSTALL WITH STAINLESS STEEL VENT CAP AND COMBUSTION AIR INLET KIT. 4. PROVIDE AND INSTALL WITH SINGLE STAGE THERMOSTAT.											

ELECTRIC CABINET HEATER SCHEDULE											
TAG	MFR.	MODEL	ELEC KW	ELEC AMPS	ELEC (V/PH)	CONTROL	REMARKS				
CUH-1	QMARK	SSAR1802	1.8	15	120/1	EC	1, 2, 3, 4				
CUH-2	QMARK	SSAR1802	1.8	15	120/1	EC	1, 2, 3, 4				
CUH-3	QMARK	SSAR1802	1.8	15	120/1	EC	1, 2, 3, 4				
REMARKS: 1. PROVIDE AND INSTALL WITH SSM RECESSED MOUNTING FRAME. 2. PROVIDE AND INSTALL WITH FACTORY WIRED ELECTRICAL DISCONNECT SWITCH. 3. PROVIDE AND INSTALL WITH BUILT-IN ELECTRONIC THERMOSTATIC CONTROL. 4. COLOR SHALL BE WHITE.											

HYDRONIC PUMP SCHEDULE											
TAG	MFR.	MODEL	FRAME SIZE	IMPELLER DIA (IN)	FLUID	FLOW (GPM)	HEAD (FT)	MOTOR (HP)	MOTOR (BHP)	EFF (4+5%)	MOTOR RPM
P-1	BELL & GOSSETT	e-90 1AAB	-	4.125	10% METHANOL	25	60	1.1/2	0.75	43.4	3320
											208/3
											ENERGY RECOVERY
REMARKS: 1. ALL MOTORS SHALL BE NON-OVERLOADING. 2. MOTOR SHALL BE MULTI-TAP 460/240/208 BALDOR SUPERE WITH INTEGRAL SHAFT GROUNDING RING AND COMPLY WITH NEMA MG1 FOR VARIABLE SPEED OPERATION. 3. MOTOR SHALL HAVE CLASS F INSULATION FOR USE WITH VARIABLE SPEED DRIVE. 4. MFR SHALL ALIGN PUMP SHAFT IN THE FIELD, PRIOR TO START-UP. PROVIDE WRITTEN REPORT OF ALIGNMENT AND STARTUP. 5. PROVIDE WITH IMPELLER SIZE LISTED, VSD WILL BE USED TO BALANCE FLOW TO DESIGN POINT.											

ENERGY RECOVERY COIL SCHEDULE											
TAG	MFR.	SERVICE	AIRFLOW (CFM)	CAP (MBH)	EAT/LAT (DEG F)	EW/LWT (DEG F)	FLOW (GPM)	WPD (FT)	FLUID	FACE VEL (FPM)	APD (IN W.C.)
DC-1	SR COILS	MAH-1	12000	295	0 / 27.4	44 / 18	25.0	15.3	10% METHANOL	495	1.97
DC-2	SR COILS	EF-1	5000	148	60 / 36.5	18 / 44	12.5	16.1	10% METHANOL	495	1.27
DC-3	SR COILS	EF-2	5000	148	60 / 36.5	18 / 44	12.5	16.1	10% METHANOL	495	1.27
REMARKS: 1. PROVIDE AND INSTALL WITH CASSED COIL AND FLANGED CONNECTIONS. 2. CASING SHALL BE 16 GA. GALVANIZED STEEL. 3. COIL SHALL BE ASTM B163/ASTM B163S COPPER TUBE 0.02 IN THICK WITH ASTM B209 ALUMINUM FINS 0.006 IN THICK FINS. 4. COIL HEADS SHALL BE COPPER OR RED BRASS.											

CONDENSING UNIT SCHEDULE														
TAG	MFR.	MODEL	EQUIP. SERVED	REFRIG	TOTAL CAP. (MBH)	SST (DEG F)	SCT (DEG F)	AMBIENT TEMP (DEG F)	EVAP CFM	EDB/EBW (DEG F)	CAPACITY STEPS	EER	ELEC (V/PH)	MCA
ACCU-AHU-1	CARRIER	38AUD08	AHU-1	R410A	94.4	46.9	116.7	95	4000	77 / 62	2	11.2	206/3	37
													60	1, 2, 3, 4, 5
REMARKS: 1. UNIT SHALL BE INSTALLED ON LEVEL CONCRETE SLAB (POURED). 2. PROVIDE AND INSTALL WITH COIL/HAIL GUARDS ON ALL SIDES. 3. PROVIDE AND INSTALL WITH SINGLE POINT POWER CONNECTION. 4. PROVIDE AND INSTALL WITH BACKET INTERFACE. 5. PROVIDE AND INSTALL WITH FACTORY WIRED ELECTRICAL DISCONNECT.														

GAS FIRED MAKE-UP AIR UNIT SCHEDULE														
TAG	MFR.	MODEL	SERVICE	AIRFLOW (CFM)	TSP (IN W.C.)	MOTOR (HP)	MOTOR (BHP)	RPM	GAS HEAT INPUT (MBH)	OUTPUT (MBH)	EAT, LAT (DEG F)	MODULATION	FILTER	ELEC (V/PH)
MAU-1	REZNOR	RPEL 1050	GARAGE BAYS A120	10000	3.0	15.0	14.0	1530	1050	840	0 / 80	20%-100%	2" MERV 11	208/3
														1, 2, 3, 4, 6, 7, 8, 9
REMARKS: 1. PROVIDE AND INSTALL WITH 409 STAINLESS STEEL BURNER, HEAT EXCHANGER, AND DRIP PAN. 2. PROVIDE AND INSTALL WITH ELECTRONIC MODULATION WITH DUCT PROBE AND REMOTE TEMPERATURE SELECTOR. 3. PROVIDE AND INSTALL WITH PACKAGED CONTROLS. 4. PROVIDE AND INSTALL WITH DOUBLE WALL INSULATED CONSTRUCTION. 5. PROVIDE AND INSTALL WITH CUSTOM COIL CABINET DOWNSTREAM OF FILTER SECTION AND UPSTREAM OF BLOWER CABINET. 6. PROVIDE AND INSTALL WITH OUTSIDE AIR INTAKE WEATHER HOOD AND BIRDSCREEN. 7. PROVIDE AND INSTALL WITH TFC MOTOR AND PACKAGED VFD. 8. PROVIDE AND INSTALL WITH REMOTE CONTROL CONSOLE. 9. PROVIDE AND INSTALL WITH 7 DAY PROGRAMMABLE THERMOSTAT.														

NEEDLEPOINT BIPOLAR IONIZER SCHEDULE											
TAG	MFR.	MODEL	SERVICE	COIL AIRFLOW (CFM)	COIL DIM WxL (IN)	ION OUTPUT (ions/cc/inch)	OUTPUT VOLTAGE	ELEC	MAX CIR. AMPS	REMARKS	
NPI-1	GLOBAL PLASMA SOLUTIONS	GPS-MOD	AHU-1	4000	76x40	140 M	5 KV RMS	24 V	0.5	1, 2, 3, 4	
REMARKS: 1. SYSTEM SHALL COMPLY WITH UL3996, UL 667, AND IACP STANDARDS WITH INDEPENDENT TEST DATA. 2. PROVIDE AND INSTALL WITH PACKAGED CONTROLS. 3. PROVIDE MODULAR BARS AND ALL ASSOCIATED CABLING REQUIRED TO SERVE THE COIL SIZE LISTED. INCLUDE ALL REQUIRED MOUNTING HARDWARE. MOUNT ALL DEVICES IN/DN DOWNSTREAM OF FILTER, UPSTREAM OF COOLING COIL. 4. TCC SHALL INSTALL NPI-1 AND PROVIDE LOW-VOLTAGE POWER. COORDINATE WITH TCC.											

EXHAUST FAN SCHEDULE														
TAG	AREA SERVED	MFR.	MODEL	CFM	TSP (IN W.C.)	MOTOR (HP)	MOTOR (BHP)	RPM	DRIVE TYPE	SONES (DBA)	ELEC (V/PH)	CONTROL	REMARKS	
EF-1	SERVICE BAYS	GREENHECK	CUBE-240HP/VGSD	5000	2.0	3.0	2.74	1205	BELT	22	206/3	EC	2, 6, 7	
EF-2	SERVICE BAYS	GREENHECK	CUBE-240HP/VGSD	5000	2.0	3.0	2.74	1205	BELT	22	206/3	EC	2, 6, 7	
EF-3	RESTROOMS	GREENHECK	SQ-96-VG	400	1.0	3/4	0.24	1825	DIRECT	13.9	115/1	TCC	1, 3, 4, 5	
EF-4	CHEM STOR A128	GREENHECK	SQ-96-VG	400	1.0	3/4	0.24	1825	DIRECT	13.9	115/1	EC	1, 3, 4, 5, 8	
EF-5	AIR COMPRESSOR	GREENHECK	SD-100-VG	1000	0.5	-	-	855	DIRECT	18	115/1	EC	1, 3, 4, 5, 8	
EF-6	CLOTHES DRYER	FANTECH	DEDPV-705	150	0.2	-	-	-	DIRECT	-	115/1	EC	-	
EF-7	LABORATORY	GREENHECK	CUB-42-100	4000	2.0	3.0	2.74	1205	BELT	22	206/3	EC	2, 6, 7	
HVLS-1	SERVICE BAYS	GREENHECK	DS-6-8	28600	-	3/4	-	142	DIRECT	(45)	206/3	EC	6, 10	
HVLS-2	SERVICE BAYS	GREENHECK	DS-6-8	28600	-	3/4	-	142	DIRECT	(45)	206/3	EC	6, 10	
REMARKS: 1. PROVIDE AND INSTALL WITH FACTORY WIRED NEMA-1 ELECTRICAL DISCONNECT SWITCH. 2. PROVIDE AND INSTALL WITH FACTORY WIRED NEMA-3R ELECTRICAL DISCONNECT SWITCH. 3. PROVIDE AND INSTALL WITH BACKDRAFT DAMPER ON FAN INLET. 4. PROVIDE AND INSTALL WITH NEOPRENE VIBRATION ISOLATOR HANGERS. 5. PROVIDE AND INSTALL WITH VARIABLE SPEED EC MOTOR WITH MOTOR MOUNTED ADJUSTMENT KNOB. 6. PROVIDE AND INSTALL WITH PACKAGED VARIABLE SPEED DRIVE. 7. PROVIDE AND INSTALL WITH SIDEWALL MOUNT. 8. PROVIDE AND INSTALL WITH INLET GUARD. 9. PROVIDE AND INSTALL WITH GUY WIRES, SAFETY CABLE, BLADE RETAINING RING, MOUNTING KIT. 10. PROVIDE AND INSTALL WITH PACKAGED VARIABLE SPEED FAN CONTROLS WITH BACKET TOUCHSCREEN CONTROLLER. 11. MOTOR SHALL BE BALDOR SUPERE WITH CLASS F INSULATION, INTEGRAL SHAFT GROUNDING RING, AND COMPLY WITH NEMA MG1 FOR VARIABLE SPEED OPERATION. 12. PROVIDE AND INSTALL WITH MOUNTING RAILS. 13. PROVIDE AND INSTALL WITH REVERSE ACTING LINE VOLTAGE THERMOSTAT.														

LOUVER SCHEDULE											
TAG	MFR.	MODEL	FACE SIZE (IN)	FREE AREA (SF)	AIRFLOW (CFM)	FACE VELOCITY (FPM)	AIR PRESSURE DROP (IN WC)	THICKNESS (IN)	FINISH	SERVICE	REMARKS
L-1	GREENHECK	ESD-403	48x48	8.12	4000	495	0.04	4	2.0 mil 70% KYNAR	INTAKE	1, 2
L-2	GREENHECK	ESD-403	48x48	8.12	4000	495	0.04	4	2.0 mil 70% KYNAR	RELIEF	1, 2
REMARKS: 1. PROVIDE AND INSTALL WITH CHANNEL FRAME AND EXTENDED SILL. 2. COLOR SHALL BE SELECTED BY ARCHITECT.											
NOTE: PRIOR TO ORDERING ANY LOUVER, CONTRACTOR SHALL FIELD VERIFY ANY EXISTING OPENINGS THAT LOUVERS MUST BE INSTALLED IN.											

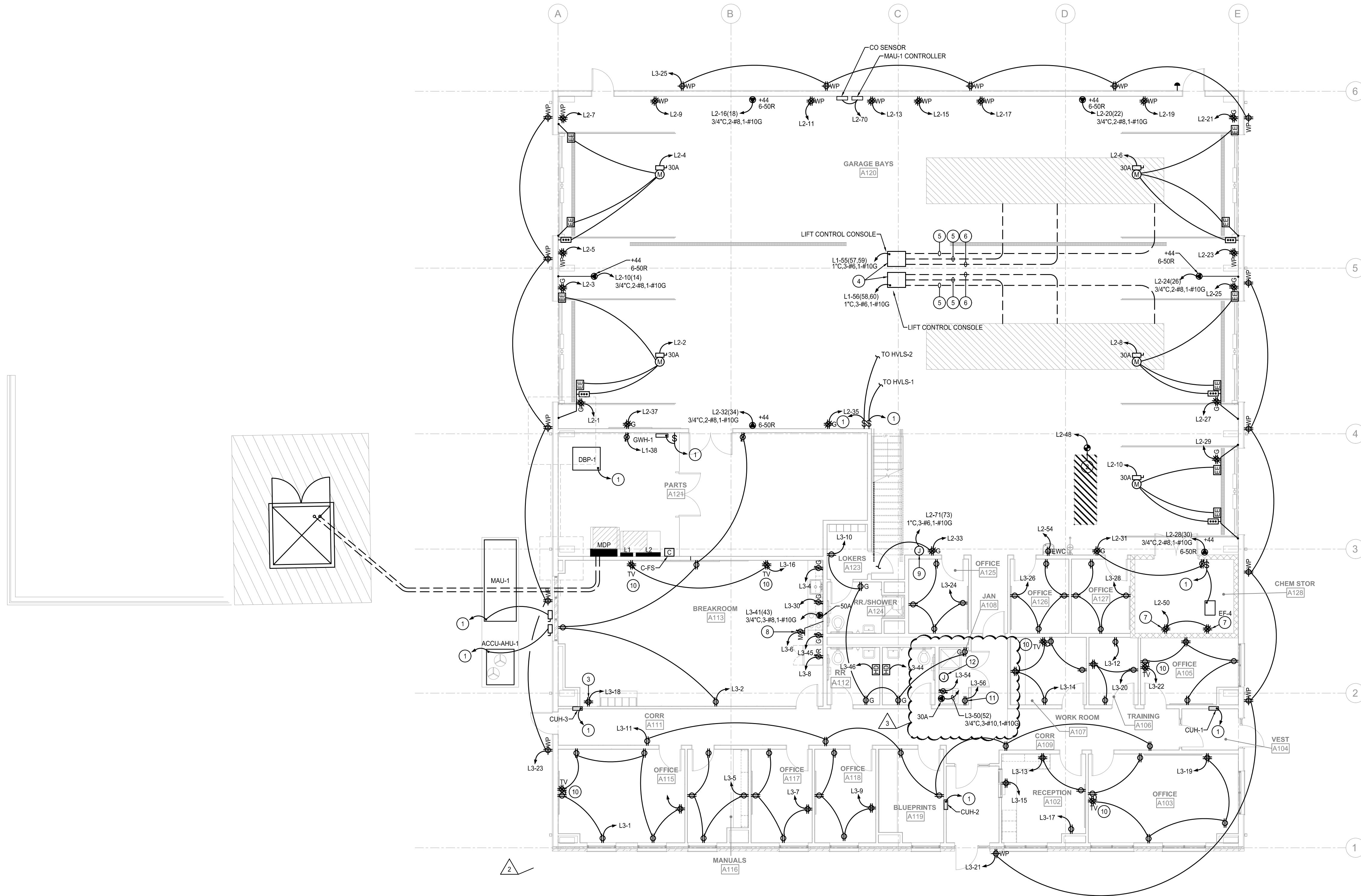
ROOF CAP SCHEDULE											
TAG	MFR.	MODEL	THROAT SIZE (IN X IN)	SERVICE	FUNCTION	AIRFLOW (CFM)	MAX P.D. (IN)	VEL (FPM)	MAX HOOD VEL (FPM)	MATERIAL	REMARKS
RC-1	GREENHECK	PGR	12x12	EF-5	EXHAUST	1000	0.16	1075	ALUMINUM	1, 2, 3	
RC-2	GREENHECK	PGR	12x12	EF-4	EXHAUST	400	0.02	420	ALUMINUM	1, 2, 3	
RC-3	GREENHECK	PGR	12x12	AH-1	RELIEF	400	0.04	420	ALUMINUM	1, 2, 3	
RC-4	GREENHECK	PGR	12x12	EF-3	EXHAUST	400	0.02	420	ALUMINUM	1, 2, 3	
REMARKS:											
1. PROVIDE WITH ALUMINUM WIRE MESH BIRD SCREEN.											
2. PROVIDE WITH HINGED TOP AND LOCKDOWN FASTENER.											
3. PROVIDE WITH INSULATED 16" TALL ROOF CURB.											



File Location = K:\22029\MC52\Bui Facility\Draw\Elec\Sheet Name - 42E201.dwg Date Printed = 11/07/23 Time Printed = 09:08:59 AM Printed by = baltman Copyright Primary Engineering Inc.

THIS MONOCHROME  
PRINT SHOULD  
DISPLAY  
GRAYSCALE BOXES  
UNIFORM PRINTED  
PROPERLY WITH  
25% SHADES OF  
GRAY

0 16 32 48 0 8 16 24 32 0 8 16 24 0 4 8 12 0 2 4 6 0 2 4 0 1 2 3  
SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"



FIRST FLOOR POWER PLAN  
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- COORDINATE LOCATION, ROUGH-IN REQUIREMENTS, AND ELECTRICAL REQUIREMENTS WITH RESPECTIVE CONTRACTOR AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN. REFER TO EQUIPMENT SCHEDULE ON SHEET E701 FOR ADDITIONAL INFORMATION.
  - PROVIDE AND INSTALL 30AW CORD DROP WITH STRAIN RELIEF FROM STRUCTURE DOWN TO TWO-POST LIFT. MOUNT 20A TWIST LOCK RECEPTACLE ON THE END OF CORD DROP. BOTTOM OF PLUG SHALL BE AT +5'-0" ABOVE FINISHED FLOOR. PROVIDE AND INSTALL 30AW CORD WITH 20A TWIST LOCK PLUG FROM TWO-POST LIFT OPERATOR TO CONNECT TO CORD DROP.
  - LOCATE DOUBLE DUPLEX RECEPTACLE IN WALL MOUNTED TELECOMMUNICATION CLOSURE.
  - LIFT CONTROL CONSOLE. COORDINATE LOCATION WITH AUTOMOTIVE EQUIPMENT SUPPLIER/INSTALLER.
  - PROVIDE AND INSTALL 4" SCH 40 PVC CONDUIT FROM CONTROL CONSOLE TO LIFT PIT FOR LIFT PIPING. COORDINATE LOCATION WITH AUTOMOTIVE EQUIPMENT SUPPLIER/INSTALLER.
  - PROVIDE AND INSTALL 3/4" GRC CONDUIT FROM CONTROL CONSOLE TO LIFT PIT FOR LIFT PIPING. COORDINATE LOCATION WITH AUTOMOTIVE EQUIPMENT SUPPLIER/INSTALLER.
  - DOUBLE DUPLEX RECEPTACLES TO SERVE TANK CONTROLLERS. COORDINATE LOCATION WITH AUTOMOTIVE EQUIPMENT SUPPLIER/INSTALLER.
  - MOUNT RECEPTACLE IN UPPER CABINET TO SERVE OVER-THE-RANGE MICROWAVE. COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS.
  - MAKE FINAL CONNECTION TO AUTOMATIC PARTS WASHER. COORDINATE EXACT LOCATION WITH AUTOMOTIVE EQUIPMENT SUPPLIER/INSTALLER.
  - RECEPTACLE TO SERVE WALL MOUNTED TELEVISION. CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
  - COORDINATE MOUNTING HEIGHT OF RECEPTACLE WITH MECHANICAL CONTRACTOR TO SERVE DRYER EXHAUST FAN.
  - PROVIDE AND INSTALL TWO -GANG DEVICE BOX WITH 3/4" CONDUIT ROUTED OUT ABOVE ACCESSIBLE CEILING FOR LOW-VOLTAGE CONDUCTORS FOR INDICATOR PANEL SUPPLIED WITH UNIT.

**BEEBE RATIO DESIGN**  
220 N. COLLEGE AVE  
INDIANAPOLIS, IN 46202

**AECOM HUNT**

**PRIMARY ENGINEERING INC.**  
Indianapolis Fort Wayne  
6785 Cornerstone Blvd, Suite 100  
Indianapolis, Indiana 46226  
317.324.1221 (ph)  
317.324.1221 (fax)  
www.primaryeng.com  
All copyright, design, plans, and details shown on this document are the sole property of Primary Engineering, Inc. and shall not be used for any other project without the expressed written consent. This project was completed in accordance with the contract. The project was completed in accordance with the contract. The project was completed in accordance with the contract.  
2023 © Primary Engineering, Inc.

MT VERNON COMMUNITY SCHOOL CORP  
NEW TRANSPORTATION/MAINTENANCE CENTER

REGISTERED PROFESSIONAL ENGINEER  
STATE OF INDIANA  
PE11700017  
11/07/2023

REVISIONS:	
#	DATE
1	02/27/23
2	10/06/2023
3	11/06/2023

ISSUED FOR CONSTRUCTION  
PROJECT: #646605  
DATE: 05-03-2023  
DRAWN BY: RHA

FIRST FLOOR POWER PLAN

E201

**Certificate Of Completion**

Envelope Id: DB50323668F244B5B5257C9FB71EA6E3

Status: Completed

Subject: MV Transportation - AA Huber CO #5

Source Envelope:

Document Pages: 38

Signatures: 4

Envelope Originator:

Certificate Pages: 5

Initials: 4

Luke Johnson

AutoNav: Enabled

luke.johnson@aecom.com

Envelopeld Stamping: Enabled

IP Address: 65.240.194.21

Time Zone: (UTC-05:00) Indiana (East)

**Record Tracking**

Status: Original

Holder: Luke Johnson

Location: DocuSign

12/19/2023 9:41:10 AM

luke.johnson@aecom.com

**Signer Events**

Luke Johnson

luke.johnson@aecom.com

Sr Project Manager

Hunt Construction Group, Inc.

Security Level: Email, Account Authentication  
(None)**Signature**DocuSigned by:  
  
F598ED600A64485...Signature Adoption: Uploaded Signature Image  
Using IP Address: 65.240.194.21**Timestamp**

Sent: 12/19/2023 9:46:35 AM

Viewed: 12/19/2023 9:46:44 AM

Signed: 12/19/2023 9:46:54 AM

**Electronic Record and Signature Disclosure:**

Not Offered via DocuSign

Peter Huber

arichardson@aahuber.com

Security Level: Email, Account Authentication  
(None)DocuSigned by:  
  
5F58B72D3220404...Signature Adoption: Pre-selected Style  
Using IP Address: 199.204.87.100

Sent: 12/19/2023 9:47:00 AM

Resent: 12/28/2023 8:02:48 AM

Resent: 1/4/2024 9:02:30 AM

Viewed: 1/4/2024 9:57:17 AM

Signed: 1/4/2024 9:58:40 AM

**Electronic Record and Signature Disclosure:**

Accepted: 12/19/2023 9:58:59 AM

ID: 87970c45-94a7-4640-afb6-03532120d0e1

Company Name: Hunt Construction Group, Inc.

Larry Carter

lcarter@ratiodesign.com

Security Level: Email, Account Authentication  
(None)DocuSigned by:  
  
BEF2A3FE7906469...Signature Adoption: Pre-selected Style  
Using IP Address: 75.103.173.207

Sent: 1/4/2024 9:58:47 AM

Viewed: 1/4/2024 10:09:53 AM

Signed: 1/4/2024 10:10:07 AM

**Electronic Record and Signature Disclosure:**

Accepted: 4/6/2023 4:19:35 PM

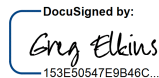
ID: f237d687-971b-49f9-86cd-7c0f1c096ed3

Company Name: Hunt Construction Group, Inc.

Greg Elkins

greg.elkins@mvcsc.k12.in.us

Chief Financial Officer

Security Level: Email, Account Authentication  
(None)DocuSigned by:  
  
153E50547E9B46C...Signature Adoption: Pre-selected Style  
Using IP Address: ::1

Sent: 1/4/2024 10:10:12 AM

Viewed: 1/8/2024 7:22:53 AM

Signed: 1/8/2024 7:23:01 AM

**Electronic Record and Signature Disclosure:**

Accepted: 11/5/2021 7:54:10 AM

ID: 75a70033-112e-4e44-ad05-a2df9e1c9625

Company Name: Hunt Construction Group, Inc.



In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp
Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Diana Stimmel diana.stimmel@aecom.com Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign	COPIED	Sent: 1/8/2024 7:23:06 AM Viewed: 1/8/2024 8:27:20 AM
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	12/19/2023 9:46:35 AM
Certified Delivered	Security Checked	1/8/2024 7:22:53 AM
Signing Complete	Security Checked	1/8/2024 7:23:01 AM
Completed	Security Checked	1/8/2024 7:23:06 AM
Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

## **ELECTRONIC RECORD AND SIGNATURE DISCLOSURE**

From time to time, Hunt Construction Group, Inc. (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

### **Getting paper copies**

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

### **Withdrawing your consent**

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

### **Consequences of changing your mind**

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

### **All notices and disclosures will be sent to you electronically**

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

#### **How to contact Hunt Construction Group, Inc.:**

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: [huntcmicdocusign@aecom.com](mailto:huntcmicdocusign@aecom.com)

#### **To advise Hunt Construction Group, Inc. of your new email address**

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at [huntcmicdocusign@aecom.com](mailto:huntcmicdocusign@aecom.com) and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

#### **To request paper copies from Hunt Construction Group, Inc.**

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to [huntcmicdocusign@aecom.com](mailto:huntcmicdocusign@aecom.com) and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

#### **To withdraw your consent with Hunt Construction Group, Inc.**

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to [huntcmicdocusign@aecom.com](mailto:huntcmicdocusign@aecom.com) and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

### **Required hardware and software**

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

### **Acknowledging your access and consent to receive and sign documents electronically**

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Hunt Construction Group, Inc. as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Hunt Construction Group, Inc. during the course of your relationship with Hunt Construction Group, Inc..