BULLITT COUNTY PUBLIC SCHOOLS

DEPARTMENT OF FACILITIES

THOMAS STOKES, DIRECTOR
TRACY PARSLEY, MAINTENANCE SUPERVISOR
BOBBIE CASTLEMAN, CUSTODIAL SUPERVISOR
GEORGE BROCK, ENERGY MANAGER

MEMORANDUM

TO: Dr. Jesse Bacon, Superintendent

FROM: Thomas Stokes, Director of Facilities

DATE: June 1, 2026 TAS

RE: BEHS PSC - BG 25-145 - Change Order 15 - Ductwork Revisions

BCPS Leadership requests the duct routing in the PE locker rooms be revised to increase height of the ducts in the interior spaces. To achieve this, ductwork is being relocated to the practice field area to pull it out of the PE rooms to gain more height. The costs are priced under to separate cost documents due to revisions to the design once contractors could confirm duct heights in the field. Two COR's result in the total Change Order cost.

I recommend approval of this request.

Bullitt **EAST** Physical Science Center - Attached paperwork is listed below with *action items* noted for each:

- BP1 - BEHS PSC - G701-2017 - Change Order 15 rev - *for Board Signature*
- BP1 - BEHS PSC - FACPAC - Change Order 15 - Ductwork Revisions rev - *for Board Signature*
    - *COR-17 BEHS RFP-8 Ductwork Revisions PE – For Board Reference, no action required.*
    - COR-20 BEHS RFP-11 Ductwork Revisions V2 – *For Board Reference, no action required.*

1040 HIGHWAY 44 EAST, SHEPHERDSVILLE, KY 40165 (502)869-8022 (502)869-8029 THOMAS.STOKES@BULLITT.KYSCHOOLS.US

AIA® Document G701® – 2017

Change Order

PROJECT: *(Name and address)*	CONTRACT INFORMATION:	CHANGE ORDER INFORMATION:
BCPS Phase III - Bid Package No. 1 - Bullitt EAST Physical Science Center 11450 ky-44 Mt Washington, KY 40047	Contract For: BCPS Phase III - Bid Package No. 1 - Bullitt EAST Physical Science Center Date: 06-19-2025	Change Order Number: 015 Date: 06-01-2026
OWNER: *(Name and address)*	**ARCHITECT:** *(Name and address)*	**CONTRACTOR:** *(Name and address)*
Bullitt County Public Schools Board of Education 1040 Hwy 44 East Shepherdsville, KY 40165	Studio Kremer Architecture, Inc. 1231 South Shelby Street Louisville, KY 40203	Calhoun Construction Services, Inc. 7707 National Turnpike Louisville, KY 40218

THE CONTRACT IS CHANGED AS FOLLOWS:
(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)
See CORs #17 and #20 and RFP's 8 and 11 for Scope of Work included in this Change Order.

The original Contract Sum was	$	12,140,198.26
The net change by previously authorized Change Orders	$	307,254.98
The Contract Sum prior to this Change Order was	$	12,447,453.24
The Contract Sum will be increased by this Change Order in the amount of	$	22,350.00
The new Contract Sum including this Change Order will be	$	12,469,803.24

The Contract Time will be unchanged by (0) days.
The new date of Substantial Completion will be

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

ARCHITECT *(Signature)*	CONTRACTOR *(Signature)*	OWNER *(Signature)*
BY: Catherine Noble Ward, AIA	BY: Joel Pittard, Project Manager	BY: Dr. Jesse Bacon, Superintendent
(Printed name, title, and license number if required)	*(Printed name and title)*	*(Printed name and title)*
6-1-2026	6/1/2026	
Date	*Date*	*Date*

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User Notes: (69fcc618800d4588359eef12)

FACPAC Contract Change Order Supplemental Information Form (Ref# 64997)

Form Status: Saved

Tier 1 Project: Phase 3 Athletics - BCHS and BEHS Field Houses
BG Number: 25-145 District: Bullitt County (HB678) (071)
Status: Active Phase: Project Initiation (View Checklist)

Contract: Calhoun Construction Services, 0002, BP1 - Bullitt East Physical Science Center - General Construction
Type: General Contractor Proposed

Change Order Number	15
Time Extension Required	No
Date Of Change Order	6/1/2026
Change Order Amount To Date	Increase

Construction Contingency

Calculations below are project wide. Remaining negative Construction Contingency may require the submission of a revised BG1.

Current Approved Amount	$1,816,582.46
Net Approved COs	$650,111.30
Remaining After Approved COs	$1,166,471.16
Net All COs	$600,538.14
Remaining After All COs	$1,216,044.32

This Requested Change Order Amount +/-	$22,350.00
Change In A/E Fee This Change Order +/-	$1,117.50
Change In CM Fee This Change Order +/-	$0.00
Remaining Construction Contingency Balance	$1,216,044.32
Contract Change Requested By	BCPS Leadership
Contract Change Reason Code	Change in Scope

Change Order Description And Justification

BCPS Leadership requests the duct routing in the PE locker rooms be revised to increase height of the ducts in the interior spaces. To achieve this, ductwork is being relocated to the practice field area to pull it out of the PE rooms to gain more height.

Cost Benefit To Owner

Contract unit prices have been utilized to support the cost associated with this change order. No

Detailed Cost Breakdown

Contract unit prices have not been utilized, provide a detailed cost breakdown which separates labor, material, profit and overhead.

Detail Item	Amount	Percent of Total
Labor	$15,320.00	68.55%
Materials	$4,185.00	18.72%
Profit and Overhead	$2,624.00	11.74%
Bond Insurance	$221.00	0.99%
Cost Breakdown Total:	$22,350.00	

Cost for this Change Order supported by an alternate bid or competitive price quote No

Explain Why

Change Order Supplemental Information Form Signature Page (Online Form Ref# 64997)

Catherine N. Ward	6-1-2026
Architect	Date
N/A	
Construction Manager	Date
Finance Officer	Date
Local Board of Education Designee	Date

Change Order Request 20 - PCO #55 - RFP-11 Ductwork Revisions Version 2

846-- Bullitt East High School Physical Science Center

5/29/2026 4:58:51 PM

CALHOUN
CONSTRUCTION SERVICES

Summary of work

RFP-11 Ductwork Revisions Version 2

Scope - Subcontractor	Description	Cost
		$15,276.00

- *Masonry ==> BEHS RFP-11 Ductwork Revisions V2 ==> $9,000.00 (ALT ADD for toothing of jambs on infills and cut-ins $3,000)*
- *Plumbing ==> BEHS RFP-11 Ductwork Revisions V2 ==> $2,573.00*
- *Electrical ==> BEHS RFP-11 Ductwork Revisions V2 ==> $3,703.00*

Sub Total:	$15,276.00
Bond:	$168.00
Fee:	$1,528.00
Total	$16,972.00

Approved By: _____

Date: _____

Submitted By: Calhoun

Date: 5/29/26

MASONRY ADDITIONS

215 S. Indiana Ave.
Sellersburg IN 47172

CHANGE REQUEST:

NORTH BULLITT FIELD HOUSE

Date: 5/26/26
Project Address: BULLITT COUNTY, KENTUCKY

ADDITIONAL WORK ORDER

SECOND FLOOR AIR DISTRIBUTION DEMO/DUCT REVISION

REQUEST FOR PROPOSAL 11

(2)-WIDEN OPENING FROM 16" TO 28", RAISE OPENINGS	$ 3,000.00
(4)-WIDEN OPENING FROM 18" TO 28", RAISE OPENINGS	$ 6,000.00
TOTAL QUOTE:	**$ 9,000.00**
ADD FOR TOOTHING OF JAMBS ON INFILLS AND CUT INS	$ 3,000.00 Alternate

NOTES AND EXCLUSIONS:

ALL CLEANUP QUOTED TO BROOM/BRUSH FINISH ON WALLS AND FLOOR
TEMPORARY DUST PARTITIONS IF REQUIRED BY OTHERS
ALL DEMO WORK TO BE DONE WITH FUMELESS, WATER ASSISTED CUTTING AND CHIPPING TOOOLS
NEW ANGLE IRON LINTELS INCLUDED FOR NEW DUCTWORK OPENINGS OVER 16" WIDE
DUMPSTER FOR CONSTRUCTION DEBRIS PROVIDED BY OTHERS
LINTEL DESING FOR OPENING WIDER THAN 5'-0" PENDING FROM B&K, FINAL NUMBER TO BE ADJUSTED

Thanks! Any questions please call...

Chuck Bohannon (502)664-8863 chuck@masonryadditions.com

The Lusk Group

820 S. Dixie Hwy., Muldraugh, KY 40155
Tel (502) 942-6966 Fax (502) 942-6964

May 26, 2026
Project: Bullitt East Fieldhouse
Change Order Request #5 RFP11
Attn: Joel Pittard

Please find our change order request to change the size of the ductwork as shown in RFP#11.

$1,500.00 material
$ 950.00 labor 10 hrs
$2,450.00 Subtotal
$ 122.50 O&P 5%

$2,572.50 TOTAL ADD

Excluded:
Cutting and patching.
Lintels
Electrical
Fire protection

Please advise if additional information is required.
Respectfully submitted,

Jeremy Hester
Project Manager / Estimator
Lusk Mechanical Contractors Inc.
Cell 270-272-8010
Office 502-942-6966

BEHS Physical Science Center — 25-500

11450 KY-44, Mount Washington, Ky. 40047

Change orders report generated by Keith Joseph (Kentuckiana Electrical Services)

Change Order KES-0008 - RFP-11 Lighting Changes

Creator	Keith Joseph (Kentuckiana Electrical Services)	**Total cost**	3,702.87 USD
Assignee	Keith Joseph (Kentuckiana Electrical Services)	**Reason**	—
Status	Pending approval	**Reference number**	—
Due date	—	**Schedule impact?**	—
Responsible company	Kentuckiana Electrical Services	**Company address**	—
Description	—		

Response (rev.0)

Responded by	—	**Responded on**	—
Notes	—		
Attachments	—		

Cost (rev.0)

Submitted by	Keith Joseph (Kentuckiana Electrical Services)	**Submitted on**	05/29/2026
Notes	—		
Backup documents	—		

Submitter signature **Date**

Approver signature **Date**

BEHS Physical Science Center — 25-500

11450 KY-44, Mount Washington, Ky. 40047

Cost breakdown (rev.0)

Materials

#	ITEM NAME	QUANTITY	UNIT TYPE	UNIT COST (USD)	ITEM COST (USD)
1	Lighting Material	1.0	Lump sum	1,697.86	1,697.86
2	3/4 EMT	40.0	Linear feet	7.92	316.80
3	#12 THHN Unit Priced	200.0	Linear feet	2.97	594.00
4	4/S 2G MUD RING 5/8"DP	5.0	Each	0.95	4.75
5	Fixture Whip	4.0	Each	12.78	51.12
6	Misc. Hardware	1.0	Each	20.00	20.00
				MATERIALS	2,684.53

Labor

#	ITEM NAME	QUANTITY	UNIT TYPE	UNIT COST (USD)	ITEM COST (USD)
1	JW S/T	8.0	Hours	95.00	760.00
				LABOR	760.00

SUBTOTAL **3,444.53**

Final Markups

#	ITEM NAME	APPLIED TO (USD)	PERCENTAGE	ITEM COST (USD)
1	Overall Mark-Up	**Subtotal + Markups:** 3,444.53 USD	7.50%	258.34
			FINAL MARKUPS	258.34

THIS CHANGE ORDER **3,702.87**

REQUEST FOR PROPOSAL

PROJECT:	**Phase III Athletics - Bid Package No. 1** **Bullitt EAST Physical Science Center** **Bullitt County Public Schools**	REQUEST FOR PROPOSAL NO.:	**11**
		DATE:	**22-May-2025**
OWNER:	**Bullitt County Public Schools** **1040 Highway 44 East** **Shepherdsville, KY 40165**	ARCHITECT:	**Studio Kremer Architects** **1231 S Shelby Street** **Louisville, KY 40203**
TO CONTRACTOR:	**Calhoun Construction Services, Inc.** **7707 National Turnpike** **Louisville, KY 40218**	ARCHITECT'S PROJECT NO.:	**2023-50.1** **BG# 25-145**

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN

Description:

Provide price proposal for the following:

Item No.1 Wall Penetration Plan (Mark-Ups to M2.02)

- See Mark-Ups on M2.02 showing masonry wall penetration revisions after RFP 08/COR #17 is considered.

Item No.2 M2.02

- See Clouded Areas for Ductwork revisions at 2nd Level Locker Room Areas after RFP 08/COR #17 is considered.
- Affected ducts are highlighted in Yellow.

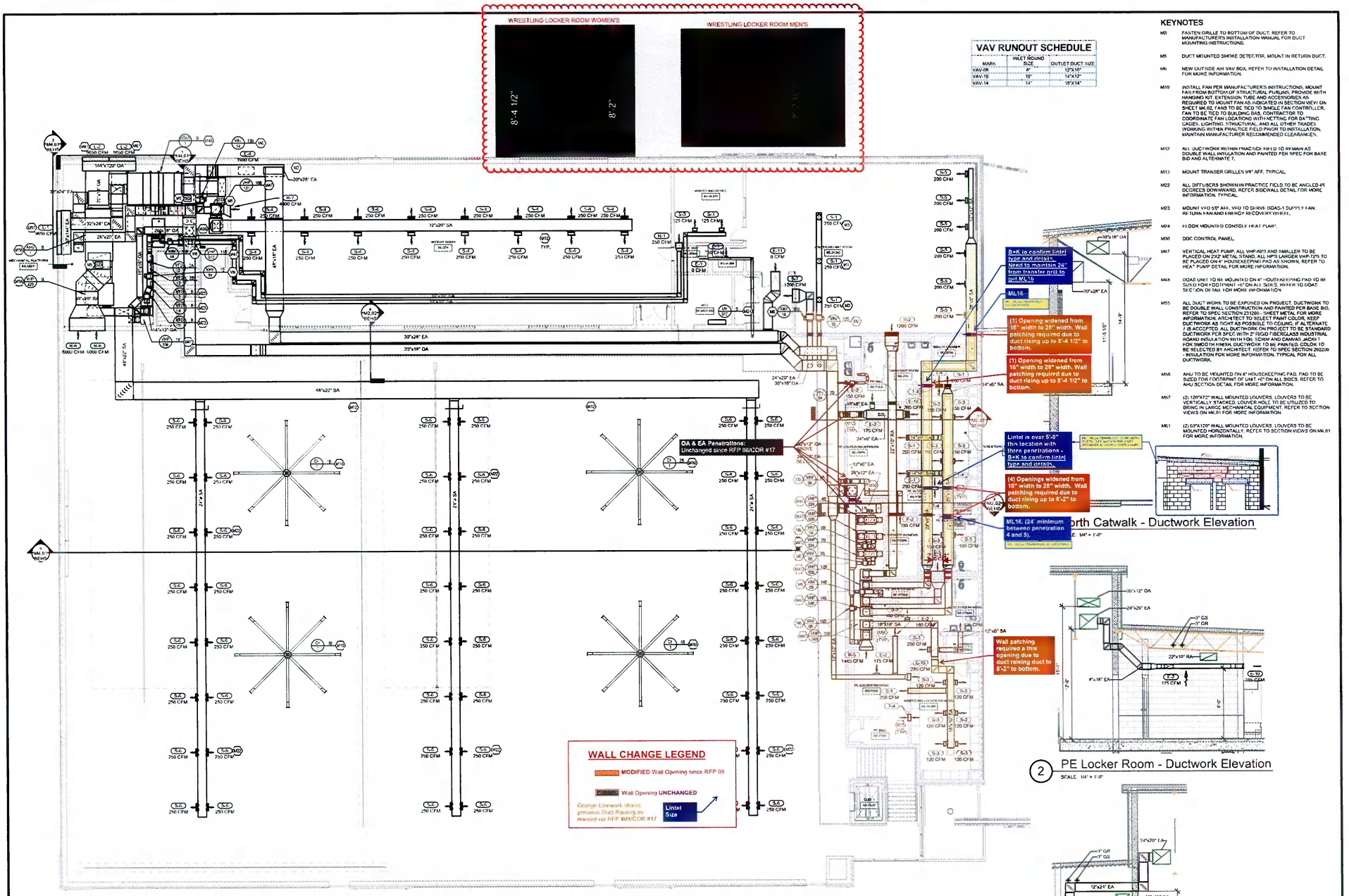
Item No.3 Light Conflicts (Mark-Ups to M2.02)

- See mark-ups showing lights in conflict with new revised duct routing. Electrical Revisions not yet issued for pricing.

Attachments:

Revised Drawings BEHS PSC: M2.02, M2.02 - Wall Changes Mark-Up, M2.02 - Light Conflict Mark-Up

ISSUED:	**22-May-2025**	ARCHITECT:	**studio kremer architects**
CONTRACTOR:	**Calhoun Construction Services, Inc.**	BY:	**Cate Noble Ward, AIA**



studio kramer architects
1231 S Shelby St Louisville, KY 40203
tel. 502.499.1100 fax 502.499.1101

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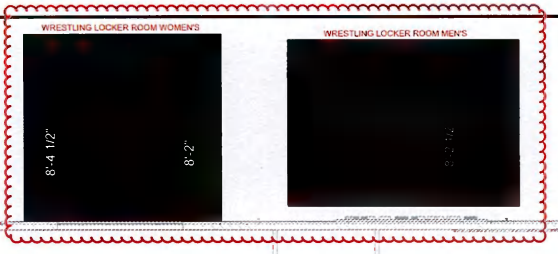
100% CONSTRUCTION DOCUMENTS – ISSUED FOR BID

FIELD HOUSE FLOOR PLAN – AIR DISTRIBUTION - BEHS – LEVEL 2
PHASE III | PHYSICAL SCIENCE CENTER
BULLITT COUNTY PUBLIC SCHOOLS

BG# 25-145
DATE 05.21.2025
DRAWN BY SJB
CHECKED BY JRK
REVISIONS

2023-50.1
WALL CHANGES
M2.02
BEHS



VAV RUNOUT SCHEDULE

MARK	INLET ROUND SIZE	OUTLET DUCT SIZE
VAV-08	8"	12"X 16"
VAV-10	10"	14"X 12"
VAV-14	14"	18"X 14"

KEYNOTES

M3 FASTEN GRILLE TO BOTTOM OF DUCT. REFER TO MANUFACTURER'S INSTALLATION MANUAL FOR DUCT MOUNTING INSTRUCTIONS.

M5 DUCT MOUNTED SMOKE DETECTOR, MOUNT IN RETURN DUCT.

M6 NEW OUTSIDE AIR VAV BOX, REFER TO INSTALLATION DETAIL FOR MORE INFORMATION.

M10 INSTALL FAN PER MANUFACTURER'S INSTRUCTIONS, MOUNT FAN FROM BOTTOM OF STRUCTURAL PURLINS. PROVIDE WITH HANGING KIT, EXTENSION TUBE AND ACCESSORIES AS REQUIRED TO MOUNT FAN AS INDICATED IN SECTION VIEW ON SHEET M4.02. FANS TO BE TIED TO SINGLE FAN CONTROLLER. FAN TO BE TIED TO BUILDING BAS. CONTRACTOR TO COORDINATE FAN LOCATIONS WITH NETTING FOR BATTING CAGES, LIGHTING, STRUCTURAL, AND ALL OTHER TRADES WORKING WITHIN. PRACTICE FIELD PRIOR TO INSTALLATION. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES.

M12 ALL DUCTWORK WITHIN PRACTICE FIELD TO REMAIN AS DOUBLE WALL INSULATION AND PAINTED PER SPEC FOR BASE BID AND ALTERNATE 7.

M13 MOUNT TRANSFER GRILLES 9'8" AFF, TYPICAL.

M22 ALL DIFFUSERS SHOWN IN PRACTICE FIELD TO BE ANGLED 45 DEGREES DOWNWARD. REFER SIDEWALL DETAIL FOR MORE INFORMATION, TYPICAL.

M23 MOUNT VFD 5'0" AFF. VFD TO SERVE DOAS-1 SUPPLY FAN, RETURN FAN AND ENERGY RECOVERY WHEEL.

M24 FLOOR MOUNTED CONSOLE HEAT PUMP.

M30 DDC CONTROL PANEL.

M47 VERTICAL HEAT PUMP, ALL VHP-905 AND SMALLER TO BE PLACED ON 2'X2' METAL STAND, ALL HPS LARGER VHP-725 TO BE PLACED ON 4" HOUSEKEEPING PAD AS SHOWN, REFER TO HEAT PUMP DETAIL FOR MORE INFORMATION.

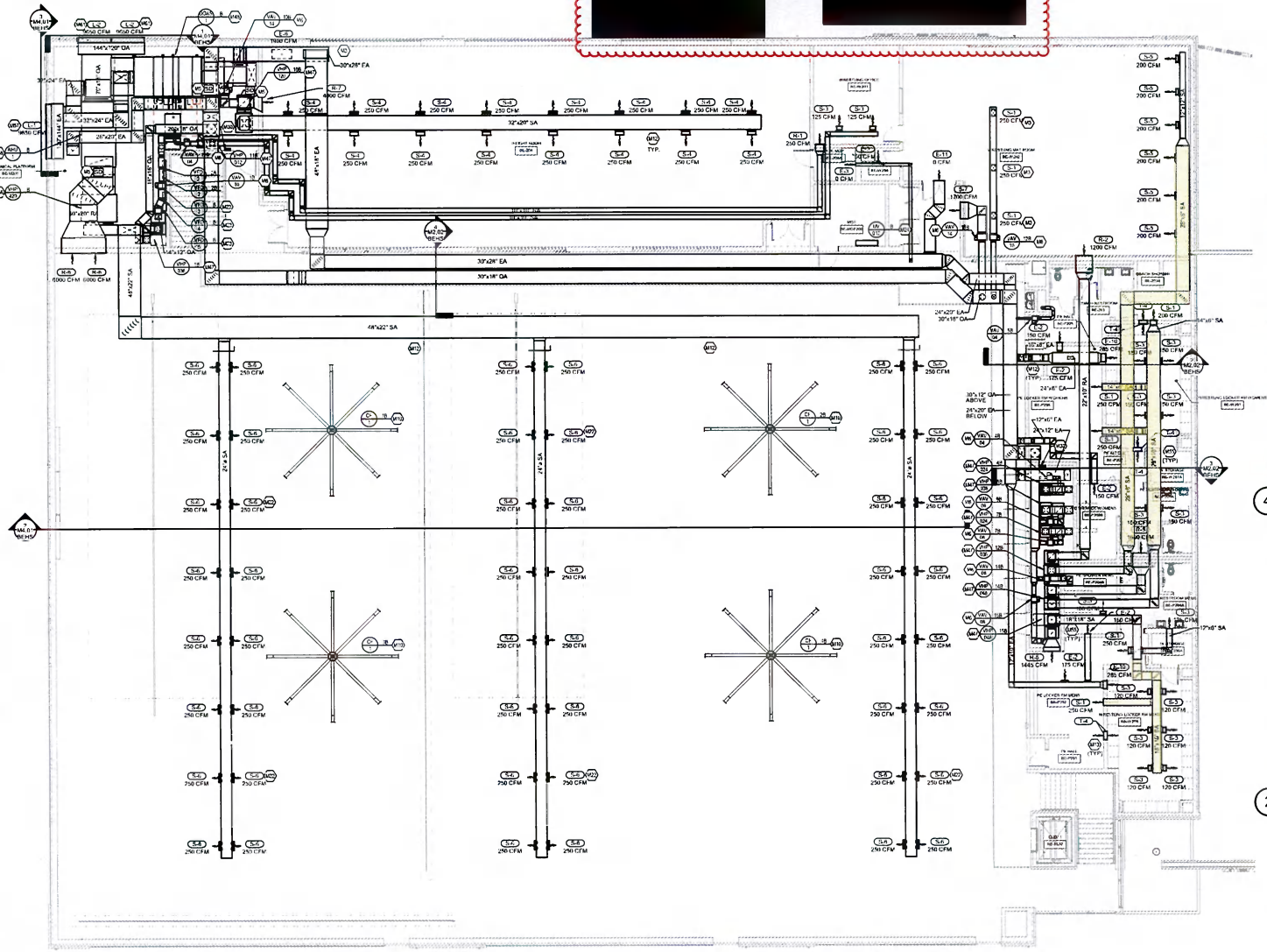
M48 DOAS UNIT TO BE MOUNTED ON 4" HOUSEKEEPING PAD TO BE SIZED FOR FOOTPRINT +6" ON ALL SIDES. REFER TO DOAS SECTION DETAIL FOR MORE INFORMATION.

M55 ALL DUCT WORK TO BE EXPOSED ON PROJECT. DUCTWORK TO BE DOUBLE WALL CONSTRUCTION AND PAINTED PER BASE BID, REFER TO SPEC SECTION 233200 - SHEET METAL FOR MORE INFORMATION. ARCHITECT TO SELECT PAINT COLOR. KEEP DUCTWORK AS TIGHT AS POSSIBLE TO CEILING. IF ALTERNATE 7 IS ACCEPTED, ALL DUCTWORK ON PROJECT TO BE STANDARD DUCTWORK PER SPEC WITH 2" RIGID FIBERGLASS INDUSTRIAL BOARD INSULATION WITH FOIL SCRIM AND CANVAS JACKET FOR SMOOTH FINISH. DUCTWORK TO BE PAINTED, COLOR TO BE SELECTED BY ARCHITECT. REFER TO SPEC SECTION 202200 - INSULATION FOR MORE INFORMATION. TYPICAL FOR ALL DUCTWORK.

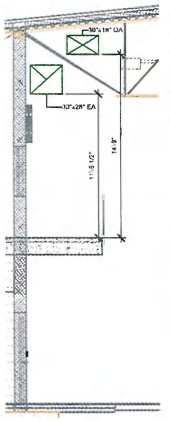
M56 AHU TO BE MOUNTED ON 4" HOUSEKEEPING PAD. PAD TO BE SIZED FOR FOOTPRINT OF UNIT +6" ON ALL SIDES. REFER TO AHU SECTION DETAIL FOR MORE INFORMATION.

M57 (2) 139"X72" WALL MOUNTED LOUVERS, LOUVERS TO BE VERTICALLY STACKED. LOUVER HOLE TO BE UTILIZED TO BRING IN LARGE MECHANICAL EQUIPMENT. REFER TO SECTION VIEWS ON M6.01 FOR MORE INFORMATION.

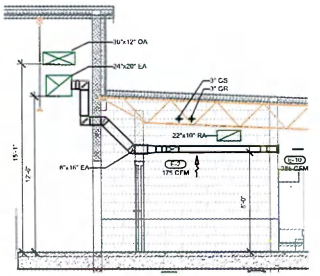
M61 (2) 60"X120" WALL MOUNTED LOUVERS. LOUVERS TO BE MOUNTED HORIZONTALLY. REFER TO SECTION VIEWS ON M6.01 FOR MORE INFORMATION.



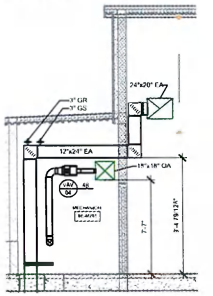
1 Bullitt East - Air Distribution - Second Floor
SCALE: 1/8" = 1'-0"



4 North Catwalk - Ductwork Elevation
SCALE: 1/4" = 1'-0"



2 PE Locker Room - Ductwork Elevation
SCALE: 1/4" = 1'-0"



3 Mechanical Room - Ductwork Elevation
SCALE: 1/4" = 1'-0"

studio kremer architects
1231 S Shelby St Louisville KY 40203
PH: 502.499.1100 FAX: 502.499.1101

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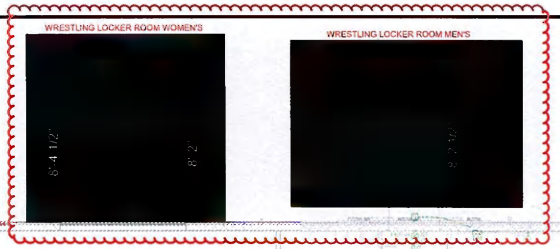
100% CONSTRUCTION DOCUMENTS – ISSUED FOR BID

FIELD HOUSE FLOOR PLAN – AIR DISTRIBUTION – BEHS – LEVEL 2
PHASE III | PHYSICAL SCIENCE CENTER
BUILT COUNTY PUBLIC SCHOOLS

BG# 25-145
DATE 05.21.2025
DRAWN BY KAB
CHECKED BY JRK
REVISIONS

2023-50.1
DUCT CHANGES
M2.02
BEHS



VAV RUNOUT SCHEDULE

MARK	INLET ROUND SIZE	OUTLET DUCT SIZE
VAV-09	8"	12"x10"
VAV-10	10"	14"x12"
VAV-14	14"	18"x14"

KEYNOTES

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M5 DUCT MOUNTED SMOKE DETECTOR. MOUNT IN RETURN DUCT.

M6 NEW OUTSIDE AIR VAV BOX. REFER TO INSTALLATION DETAIL FOR MORE INFORMATION.

M10 INSTALL FAN PER MANUFACTURER'S INSTRUCTIONS. MOUNT FAN FROM BOTTOM OF STRUCTURAL PURLINS. PROVIDE WITH HANGING KIT, EXTENSION TUBE AND ACCESSORIES AS REQUIRED TO MOUNT FAN AS INDICATED IN SECTION VIEW ON SHEET M4.02. FANS TO BE TIED TO SINGLE FAN CONTROLLER. FAN TO BE TIED TO BUILDING BAS. CONTRACTOR TO COORDINATE FAN LOCATIONS WITH NETTING FOR BATTING CAGES, LIGHTING, STRUCTURAL, AND ALL OTHER TRADES WORKING WITHIN PRACTICE FIELD PRIOR TO INSTALLATION. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES.

M12 ALL DUCTWORK WITHIN PRACTICE FIELD TO REMAIN AS DOUBLE WALL INSULATION AND PAINTED PER SPEC FOR BASE BID AND ALTERNATE 7.

M13 MOUNT TRANSFER GRILLES 9'8" AFF, TYPICAL.

M22 ALL DIFFUSERS SHOWN IN PRACTICE FIELD TO BE ANGLED 45 DEGREES DOWNWARD. REFER SIDEWALL DETAIL FOR MORE INFORMATION, TYPICAL.

M23 MOUNT VFD 5'8" AFF. VFD TO SERVE: (QAS-1 SUPPLY FAN, RETURN FAN AND ENERGY RECOVERY WHEEL.

M24 FLOOR MOUNTED CONSOLE HEAT PUMP.

M30 DDC CONTROL PANEL.

M47 VERTICAL HEAT PUMP. ALL VHP-#07'S AND SMALLER TO BE PLACED ON 2X2 METAL STAND. ALL HP'S LARGER VHP-12'S TO BE PLACED ON 4" HOUSEKEEPING PAD AS SHOWN. REFER TO HEAT PUMP DETAIL FOR MORE INFORMATION.

M48 DOAS UNIT TO BE MOUNTED ON 4" HOUSEKEEPING PAD TO REMAIN FOR EQUIPMENT +6" ON ALL SIDES. REFER TO DOAS SECTION DETAIL FOR MORE INFORMATION.

M51 ALL DUCT WORK TO BE EXPOSED ON PROJECT. DUCTWORK TO BE DOUBLE WALL CONSTRUCTION AND PAINTED PER BASE BID, REFER TO SPEC SECTION 233206 - SHEET METAL FOR MORE INFORMATION. ARCHITECT TO SELECT PAINT COLOR. KEEP DUCTWORK AS TIGHT AS POSSIBLE TO CEILING. IF ALTERNATE 7 IS ACCEPTED, ALL DUCTWORK ON PROJECT TO BE STANDARD DUCTWORK PER SPEC WITH 2" RIGID FIBERGLASS INDUSTRIAL ROARD INSULATION WITH FOIL SCRIM AND CANVAS JACKET FOR SMOOTH FINISH. DUCTWORK TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT. REFER TO SPEC SECTION 2022206 - INSULATION FOR MORE INFORMATION. TYPICAL FOR ALL DUCTWORK.

M56 AHU TO BE MOUNTED ON 4" HOUSEKEEPING PAD. PAD TO BE SIZED FOR FOOTPRINT OF UNIT +6" ON ALL SIDES. REFER TO AHU SECTION DETAIL FOR MORE INFORMATION.

M57 (2) 120"X72" WALL MOUNTED LOUVERS. LOUVERS TO BE VERTICALLY STACKED. LOUVER MOLT TO BE UTILIZED TO BRING IN LARGE MECHANICAL EQUIPMENT. REFER TO SECTION VIEWS ON M6.01 FOR MORE INFORMATION.

M61 (2) 60"X120" WALL MOUNTED LOUVERS. LOUVERS TO BE MOUNTED HORIZONTALLY. REFER TO SECTION VIEWS ON M6.01 FOR MORE INFORMATION.

LIGHT FIXTURES AFFECTED BY THIS DUCT CHANGE ARE HIGHLIGHTED IN YELLOW.

WALL MOUNTED LIGHT FIXTURES WOULD BE LOWERED BELOW DUCTWORK, LESS THAN 7'-0" A.F.F.

LIGHT FIXTURE AFFECTED BY THIS DUCT CHANGE ARE HIGHLIGHTED IN YELLOW.

1 Bullitt East - Air Distribution - Second Floor
SCALE: 1/4" = 1'-0"

4 North Catwalk - Ductwork Elevation
SCALE: 1/4" = 1'-0"

2 PE Locker Room - Ductwork Elevation
SCALE: 1/4" = 1'-0"

3 Mechanical Room - Ductwork Elevation
SCALE: 1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS – ISSUED FOR BID

studio kremer architects
1231 S Shelby St Louisville KY 40203
ph. 502.499.1100 fax 502.499.1101

CMTA A LEGENCE Company

FIELD HOUSE FLOOR PLAN – AIR DISTRIBUTION – BEHS – LEVEL 2
PHASE III | PHYSICAL SCIENCE CENTER
BULLITT COUNTY PUBLIC SCHOOLS

BG#: 25-145
DATE: 05.21.2025
DRAWN BY: NJR
CHECKED BY: JRE
REVISIONS:

2023-50.1
LIGHT CONFLICTS
M2.02
BEHS

GENERAL NOTES (LIGHTING):

A. REFER TO THE ARCHITECTS REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.

B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAYOUT AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. 310.15(B)(3)(A), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. 430.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. 210.4 (2) N.E.C. CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.

C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING IN WALL THOMAS FACILITIES, ENGRAVE EMERGENCY TRUCK CORRIDATED IN TA TENANT CAN AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

D. LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC., TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.

E. LOCATE EXIT SIGNS FOR MAXIMUM WAYFINDING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.

F. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS, AT CLOSE-OUT PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.

G. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

H. LIGHTING CONTROL (DWH# PACKS AND EMERGENCY TRANSFER RELAYS, ETC.) ARE TO BE LOCATED CONCEALED ABOVE ACCESSIBLE CEILINGS, IN EXPOSED AREAS, LOCATE AT THE NEAREST CONCEALED ACCESSIBLE CEILING AREA.

I. PROVIDE NORMAL POWER (CONTROLLED AND UNCONTROLLED) FROM ASSOCIATED NORMAL POWER FIXTURE TO EMERGENCY RELAY WHERE EMERGENCY FIXTURE IS IN SAME ZONE. INSTALL COMPLETE WHETHER CIRCUITING OR EMERGENCY RELAY IS INDICATED OR NOT.

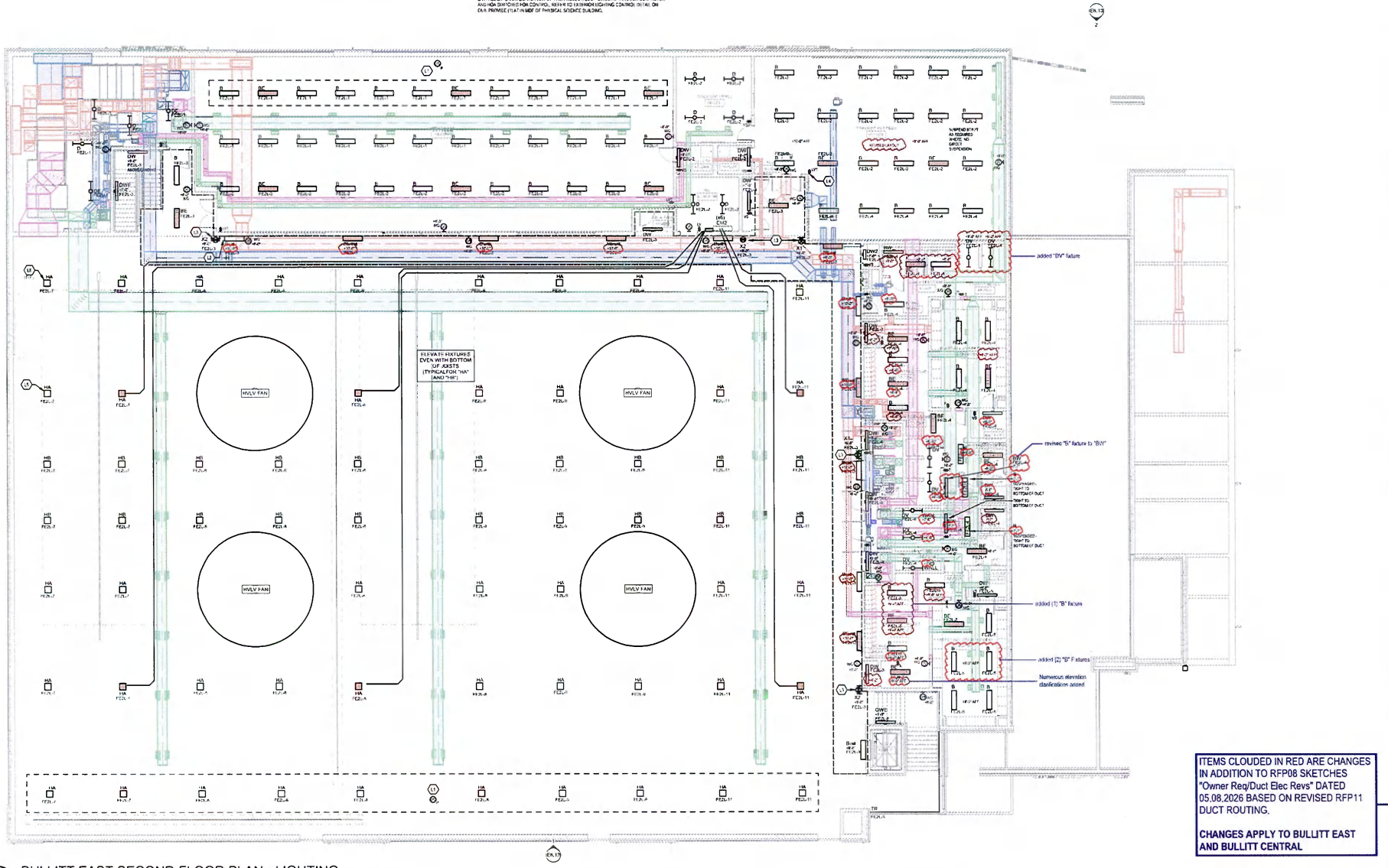
J. REFER TO STRUCTURAL DRAWINGS DETAIL - TYPICAL SECTION OF CONDUIT OPENING LOCATIONS IN PRECAST CONCRETE SLAB FOR ATTACHMENT AND PENETRATION OF ALL ELECTRICAL EQUIPMENT.

K. REFER TO ARCHITECTS FLOOR PLANS FOR HARD CEILING AREAS. PROVIDE ACCESS PANELS AS REQUIRED FOR JUNCTION BOX ACCESS. COORDINATE LOCATIONS ON-SITE WITH ARCHITECT AND ALL TRADES TO CONCEAL (WITH ACCESSIBLE PANELS) AS MUCH AS POSSIBLE.

L. AT ALL EXTERIOR LIGHTS PART OF THIS PROJECT, LOOP CIRCUITS THROUGH CONTACTOR AND HOA SWITCHES FOR CONTROL. REFER TO EXTERIOR LIGHTING CONTROL DETAIL ON E6.0. PROVIDE (1) AT IN SIDE OF PHYSICAL SCIENCE BUILDING.

KEYNOTES:

- K1 NEW DAYLIGHT DIMMING ZONE (0-10V) LIGHTING SHALL BE CONTROLLED FROM ROOM ZONE SWITCHING AS STEEL AS 0-10V DAYLIGHT DIMMING DEVICE. EMERGENCY RELAY TRANSFER DEVICE SHALL BE COMPATIBLE WITH DIMMING 0-10V CONTROLS TO PROVIDE FULL OUTPUT UPON LOSS OF NORMAL POWER. REFER TO DETAIL FOR REQUIREMENTS.
- L2 LIGHTING IN THIS AREA TO BE ON A SINGLE, SEPARATE ZONE.
- L3 RIGID X SUPPORT FROM STRUCTURE IN ADDITION TO STANDARD J-HOOK SUPPORT
- L4 COORDINATE CUTOUTS WITH WALL PROTECTION FOR WALL DEVICES.
- L5 EVERY 2 COLUMNS OF FIXTURES SHALL BE PROVIDED WITH A SEPARATE POWER PACK. CONTROL SHALL BE GROUPED AND COORDINATED WITH OWNER. PROVIDE SCENE PRESET STATION AT FIRST FLOOR.
- L6 PROVIDE REMOTE 250W INVERTER FOR EACH HA FIXTURE. LOCATE NEAR 2ND FLOOR STAIR NEAR MECHANICAL ROOM.



ITEMS CLOUDED IN RED ARE CHANGES IN ADDITION TO RFP08 SKETCHES "Owner Req/Duct Elec Revs" DATED 05.08.2026 BASED ON REVISED RFP11 DUCT ROUTING.

CHANGES APPLY TO BULLITT EAST AND BULLITT CENTRAL

1 BULLITT EAST SECOND FLOOR PLAN - LIGHTING

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

100% CONSTRUCTION DOCUMENTS – ISSUED FOR BID

studio kremer architects
1231 S Shelby St, Louisville KY 40203
ph. 502.491.1100 fax 502.491.1101

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PHYSICAL SCIENCE – BULLITT EAST – LEVEL 2 – LIGHTING

PHASE III | PHYSICAL SCIENCE CENTER
BULLITT COUNTY PUBLIC SCHOOLS
KS 25-145

BC# 25-145

DATE: 04.21.2026
DRAWN BY: CMTA
CHECKED BY: CMTA
REVISIONS:

2023-50.1

E1.22
BEHS

Change Order Request 17 - PCO #42 - BEHS RFP-8 2nd Fl Ductwork Revisions

846-- Bullitt East High School Physical Science Center

5/1/2026

CALHOUN
CONSTRUCTION SERVICES

Summary of work

BEHS RFP-8 2nd Fl Ductwork Revisions

[redacted]

$4,841.00

- *General Conditions ==> Work Stoppage 3/5/26 - 4/21/26 ==> $0.00*
- *Masonry ==> No Cost Change ==> $0.00*
- *Fire Protection ==> No Cost Change ==> $0.00*
- *Mechanical ==> BEHS RFP-8 2nd Fl Ductwork Revisions ==> $4,841.00*
- *Electrical ==> TBD pending CMTA drawings*

Sub Total:	$4,841.00
Bond:	$53.00
Fee:	$484.00
Total	$5,378.00

Approved By: _____

Date: _____

Submitted By: Calhoun

Date: 5/1/2026

The Lusk Group

820 S. Dixie Hwy., Muldraugh, KY 40155
Tel (502) 942-6966 Fax (502) 942-6964

April 23, 2026
Project: Bullitt East Fieldhouse
Change Order Request #4 RFP08
Attn: Joel Pittard

Please find our change order request to move the duct per RFP08.

$ 20,140.00 labor 212 hrs proposed drawings
$-16,530.00 labor 174 hrs contract drawings
$ 1,000.00 lift rental
$ 4,610.00 Subtotal
$ 230.50 O&P 5%

$ 4,840.50 TOTAL ADD

Excluded:
Cutting and patching.
Lintels
Electrical
Fire protection

Please advise if additional information is required.
Respectfully submitted,

Jeremy Hester
Project Manager / Estimator
Lusk Mechanical Contractors Inc.
Cell 270-272-8010
Office 502-942-6966

REQUEST FOR PROPOSAL

PROJECT:	**Phase III Athletics - Bid Package No. 1** **Bullitt EAST Physical Science Center** **Bullitt County Public Schools**	REQUEST FOR PROPOSAL NO.:	[redacted]
		DATE:	**20-Apr-2025**
OWNER:	**Bullitt County Public Schools** **1040 Highway 44 East** **Shepherdsville, KY 40165**	ARCHITECT:	**Studio Kremer Architects** **1231 S Shelby Street** **Louisville, KY 40203**
TO CONTRACTOR:	**Calhoun Construction Services, Inc.** **7707 National Turnpike** **Louisville, KY 40218**	ARCHITECT'S PROJECT NO.:	**2023-50.1** **BG# 25-145**

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN

Description:

Provide price proposal for the following:

Item No.1 Wall Penetration Plan (Mark-Ups to M2.02)

- See Mark-Ups on M2.02 showing masonry wall penetration revisions.

Item No.2 M2.02

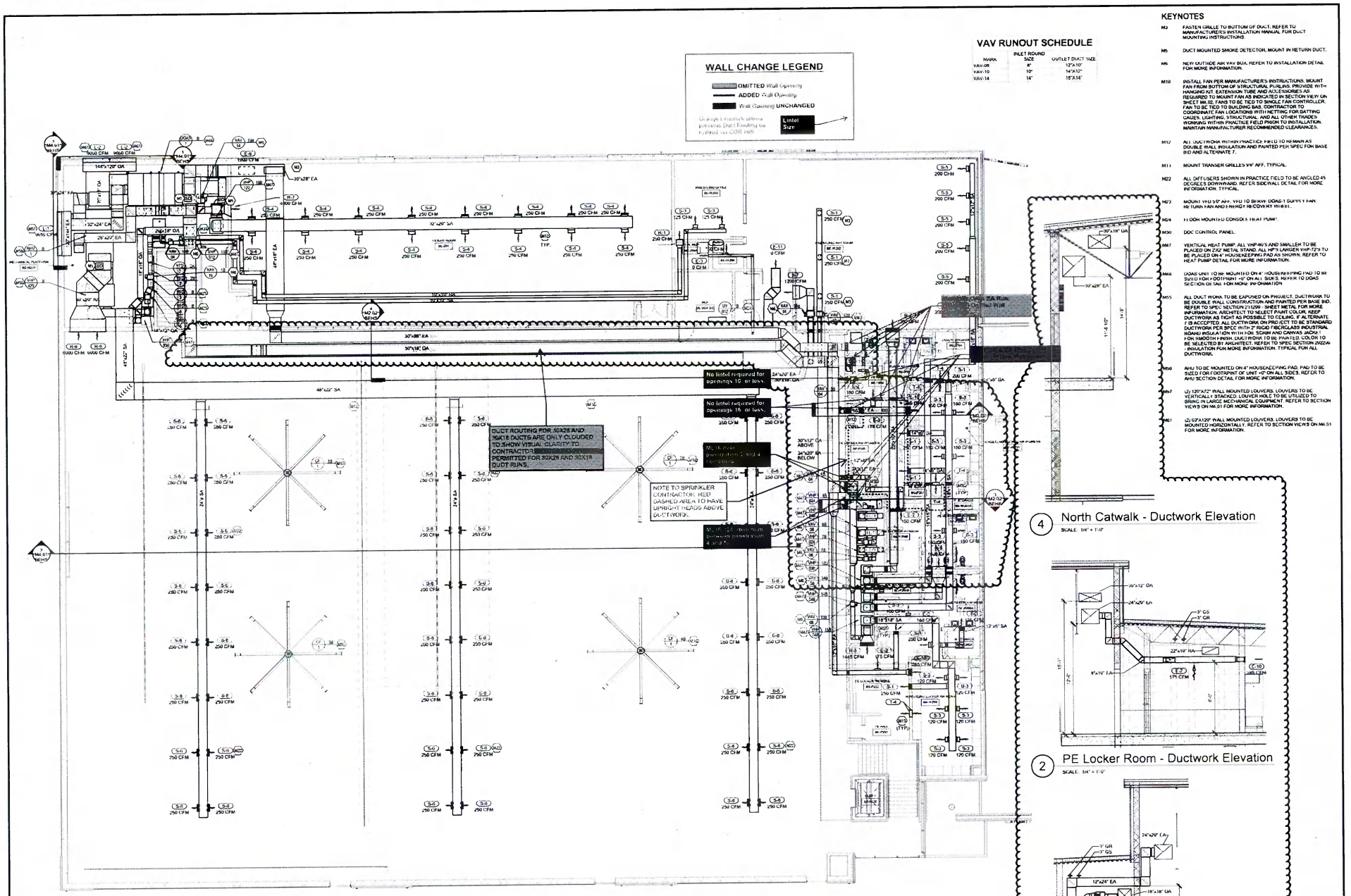
- See Clouded Areas for Ductwork revisions at 2nd Level Locker Room Areas.
- Area for Fire Protection Revisions noted with Dashed Line.

Item No.3 Electrical Revisions to be Issued.

Attachments:

Revised Drawings BEHS PSC: M2.02 and Wall Penetration Mark-Up

ISSUED:	**20-Apr-2025**	ARCHITECT:	**studio kremer architects**
CONTRACTOR:	**Calhoun Construction Services, Inc.**	BY:	**Cate Noble Ward, AIA**



studio kremer architects
1221 S Shelby St Louisville KY 40203
tel: 502.409.1500 fax: 502.409.1501

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FIELD HOUSE FLOOR PLAN - AIR DISTRIBUTION - BEHS - LEVEL 2
PHASE III | PHYSICAL SCIENCE CENTER
BULLITT COUNTY PUBLIC SCHOOLS
BG 23-141

BG# 25-145
DATE 05.21.2025
DRAWN BY SB
CHECKED BY JWL
REVISIONS

2023-50.1

M2.02
BEHS

REVISED DRAWING - SIZES HIGHLIGHTED

VAV RUNOUT SCHEDULE

MARK	INLET ROUND SIZE	OUTLET DUCT SIZE
VAV-08	8"	12"x10"
VAV-10	10"	14"x12"
VAV-14	14"	18"x14"

KEYNOTES

M3 FASTEN GRILLE TO BOTTOM OF DUCT. REFER TO MANUFACTURER'S INSTALLATION MANUAL FOR DUCT MOUNTING INSTRUCTIONS.

M5 DUCT MOUNTED SMOKE DETECTOR. MOUNT IN RETURN DUCT.

M9 NEW OUTSIDE AIR WALL BOX. REFER TO INSTALLATION DETAIL FOR MORE INFORMATION.

M10 INSTALL FAN PER MANUFACTURER'S INSTRUCTIONS. MOUNT FAN FROM BOTTOM OF STRUCTURAL PURLINS. PROVIDE WITH HANGING KIT, EXTENSION TUBE AND ACCESSORIES AS REQUIRED TO MOUNT FAN AS INDICATED IN SECTION VIEW ON SHEET M4.02. FANS TO BE TIED TO SINGLE FAN CONTROLLER. FAN TO BE TIED TO BUILDING BAS. CONTRACTOR TO COORDINATE FAN LOCATIONS WITH NETTING FOR BATTING CAGES, LIGHTING STRUCTURAL, AND ALL OTHER TRADES WORKING WITHIN PHASE. FIELD PRIOR TO INSTALLATION. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCES.

M12 ALL DUCTWORK WITHIN PHASE. FIELD TO REMAIN AS DOUBLE WALL INSULATION AND PAINTED PER SPEC FOR BASE BID AND ALTERNATE 7.

M13 MOUNT TRANSFER GRILLES 96" AFF. TYPICAL.

M22 ALL DIFFUSERS SHOWN IN PRACTICE FIELD TO BE ANGLED 45 DEGREES DOWNWARD. REFER SIDEWALL DETAIL FOR MORE INFORMATION. TYPICAL.

M23 MOUNT VRU 50" AFF. VRU TO SERVE DOAS SUPPLY FAN, RETURN FAN AND ENERGY RECOVERY WHEEL.

M24 FLOOR MOUNTED CONSOLE HEAT PUMP.

M30 DDC CONTROL PANEL.

M37 VERTICAL HEAT PUMP. ALL VHP-#07'S AND SMALLER TO BE PLACED ON 2X2 METAL STAND. ALL HP'S LARGER THAT 7.5 TO BE PLACED ON 4" HOUSEKEEPING PAD AS SHOWN. REFER TO HEAT PUMP DETAIL FOR MORE INFORMATION.

M48 DOAS UNIT TO BE MOUNTED ON 4" HOUSEKEEPING PAD TO BE SIZED FOR FOOTPRINT +6" ON ALL SIDES. REFER TO DOAS SECTION OR TAG FOR MORE INFORMATION.

M55 ALL DUCT WORK TO BE EXPOSED ON PROJECT. DUCTWORK TO BE DOUBLE WALL CONSTRUCTION AND PAINTED PER BASE BID. REFER TO SPEC SECTION 233200 - SHEET METAL FOR MORE INFORMATION. ARCHITECT TO SELECT PAINT COLOR. KEEP DUCTWORK AS TIGHT AS POSSIBLE TO CEILING. IF ALTERNATE 7 IS ACCEPTED, ALL DUCTWORK ON PROJECT TO BE STANDARD DUCTWORK PER SPEC WITH 2" RIGID FIBERGLASS INDUSTRIAL BOARD INSULATION WITH FOIL SCRIM AND CANVAS JACKET FOR SMOOTH FINISH. DUCTWORK TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT. REFER TO SPEC SECTION 230700 - INSULATION FOR MORE INFORMATION. TYPICAL FOR ALL DUCTWORK.

M56 AHU TO BE MOUNTED ON 4" HOUSEKEEPING PAD. PAD TO BE SIZED FOR FOOTPRINT OF UNIT +6" ON ALL SIDES. REFER TO AHU SECTION DETAIL FOR MORE INFORMATION.

M57 (2) 120"X72" WALL MOUNTED LOUVERS. LOUVERS TO BE VERTICALLY STACKED. LOUVER HOLE TO BE UTILIZED TO BRING IN LARGE MECHANICAL EQUIPMENT. REFER TO SECTION VIEWS ON M4.01 FOR MORE INFORMATION.

M61 (2) 60"X120" WALL MOUNTED LOUVERS. LOUVERS TO BE MOUNTED HORIZONTALLY. REFER TO SECTION VIEWS ON M4.01 FOR MORE INFORMATION.

- DENOTES MODIFIED DUCTWORK WALL PENETRATION

DUCT ROUTING FOR 30X26 AND 30X35 DUCTS ARE ONLY CLOUDED TO SHOW VISUAL CLARITY TO CONTRACTOR. NO COST CHANGE IS PERMITTED FOR 30X26 AND 30X16 DUCT RUN.

NOTE TO SPRINKLER CONTRACTOR: RED DASHED AREA TO HAVE UPRIGHT HEADS ABOVE DUCTWORK.

1 Bullitt East - Air Distribution - Second Floor
SCALE: 1/8" = 1'-0"

4 North Catwalk - Ductwork Elevation
SCALE: 1/4" = 1'-0"

2 PE Locker Room - Ductwork Elevation
SCALE: 1/4" = 1'-0"

3 Mechanical Room - Ductwork Elevation
SCALE: 1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS – ISSUED FOR BID

studio bruner architects
1231 S 3rd St Louisville KY 40203
ph: 502.416.7100 fax: 502.416.7101

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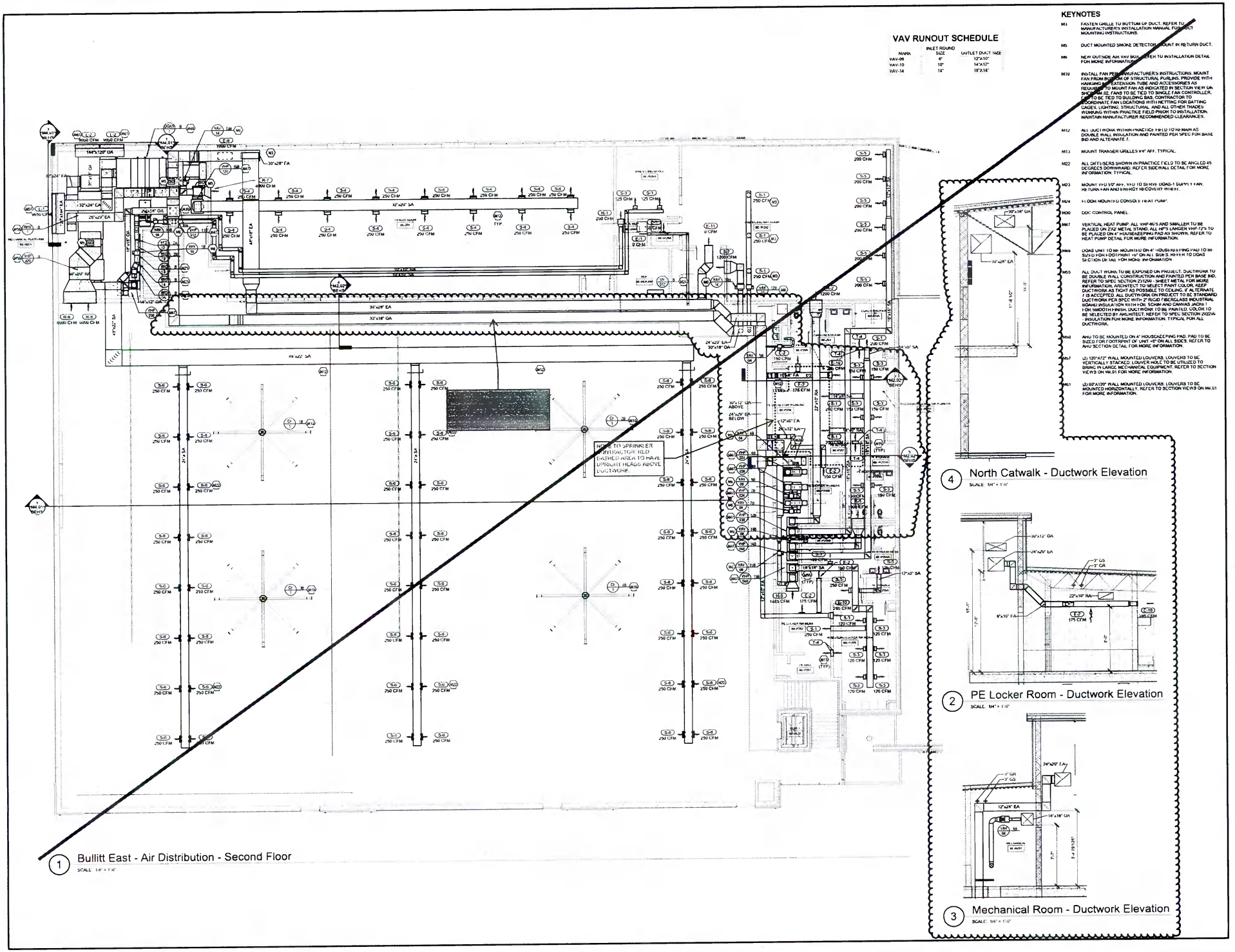
BARNHART
MOVING FORWARD

FIELD HOUSE FLOOR PLAN - AIR DISTRIBUTION - BEHS - LEVEL 2
PHASE III | PHYSICAL SCIENCE CENTER
BULLITT COUNTY PUBLIC SCHOOLS
Bid 25-145

BC# 25-145
DATE 05.21.2025
DRAWN BY SB
CHECKED BY JAK
REVISIONS

2023-50.1

M2.02
BEHS



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FIELD HOUSE FLOOR PLAN – AIR DISTRIBUTION – BEHS – LEVEL 2
PHASE III | PHYSICAL SCIENCE CENTER
BULLITT COUNTY PUBLIC SCHOOLS
BID 23-04

BC# 25-145
DATE 05.21.2025
DRAWN BY MB
CHECKED BY JML
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M2.02
BEHS