



ADDENDUM #1

Project: PR004792 – CU Duane
Physics Labs Remodel

From: Pahl Architecture

Issue Date: 7/27/10

To: Bidder Distribution List

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents dated 7/21/10. It shall be the sole responsibility of the General Contractor to appropriately distribute this information to all concerned parties for inclusion into their price for the work.

This Addendum consists of 2 pages, the attached 10 pages and 0 reissued drawing sheets.

CHANGES TO THE BIDDING REQUIREMENTS:

1. Clarified bid opening time.
Re: 01-Advertisement for bids & 02 –Information for bidders

CHANGES TO THE SPECIFICATIONS:

2. Section 15300-1.05-A-7: Change to read, “NFPA-13; 2007” (attached).

CHANGES TO THE DRAWINGS:

3. Drawing P201: Refer to MX-1 & 2 (attached).
4. Drawing M001: Refer to MX-3 (attached).

SUPPLEMENTAL INFORMATION & CLARIFICATIONS:

5. Has the duct seal on the ductwork shown to be removed been tested for asbestos?

[Yes, the entire room was surveyed and tested for all components. See ESA report in specs.](#)

6. Will the exposed duct work be painted? If it is to be painted should it be constructed of paint lock instead of galvanized?

[Duct work, exposed piping and accessories to be painted. Duct work to be galvanized. Verify preparation and material specific primer outlined in div 09900 of the specs.](#)

7. Confirming that all core drills in walls and floors will require x-ray.

[Yes, core drills in walls and floors will require x-ray.](#)

8. Confirming that work shown to be in the Tunnel on P201 will need to be treated as a confined space.

[Yes, treat work in Tunnel as “Confined space” work.](#)

303 EAST 17TH AVENUE

SUITE FIVE FIFTY-FIVE

DENVER, CO 80203-1258

TELEPHONE 303-861-7147

FACSIMILE 303-861-7227

WEB WWW.PAHLARCH.COM

A PROFESSIONAL CORPORATION



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9. Can you please clarify whether or not the asbestos abatement will be under a separate contract, completed prior to the GC working onsite?

Yes

10. Will the GC be able to locate a dumpster for the project by the loading dock? If not, where is an acceptable location for the dumpster?

No, all debris will need to be removed daily.

Attachments:

1. 01-Advertisement for bids
2. 02 –Information for bidders
3. MX -1
4. MX- 2
5. MX- 3
6. Partial Spec section 15300 sec 1.05

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END OF ADDENDUM #1



ADVERTISEMENT FOR BIDS

State of Colorado
University of Colorado
Notice Number: 10- 22

Project No: PR 004792

Project Title: DUAN – RM C123/123A/123B/ & 123C Remodel

Estimated Construction Cost: \$289,000

Project Description

The University of Colorado at Boulder is upgrading three laboratory rooms at the Duane Physics Building. The work will include all demolition of existing RCP ceiling, block wall door units, and selected mechanical and electrical items. Install a new mechanical system and electrical lighting, and infill existing door location. Upgrade existing doors with ADA hardware, new floor tile and paint.

Project Information

1. The Principal Representative has determined that the entire project shall be substantially complete within 45 calendar days, from the date of the Notice to Proceed, and the project shall be finally complete, including the delivery of any or all guarantees and warranties, the submittal of sales and use tax payment forms, the completion of the final punch list and the calling for final inspection, within 10 calendar days, if applicable, from the date of substantial completion. In accordance with Article 46 of the General Conditions of the Contract, Time of Completion and Liquidated Damages, failure to complete the work within the agreed number of calendar days shall be considered breach of contract and subject the bidder to liquidated damages to the extent specified in Article 54D of the General Conditions of the Contract.
2. The right is reserved to waive informalities or irregularities and to reject any and all Bids.
3. **Bidders may procure Bidding Documents** at the mandatory prebid meeting July 21, 2010 at 10:00 AM. in Department of Facilities Management, Research Laboratory No. 2, 1540 30th Street, Room 321, Boulder, CO 80309
4. A \$50.00 is required for each complete set of Contract Documents. Make check payable to Pahl Architecture. This deposit shall be a guaranty that the documents will be returned in good condition. Such deposits will be returned to (1) Actual Bidders who return the documents before the termination of five (5) business days after the opening of the Bids, (2) Other interested parties who return the documents within five (5) business days after checking them out. Additional copies of any documents, drawings, or specifications will be supplied at the actual cost of reproduction. Bidders desiring the Architect/Engineer to mail bid documents will be required to pay the full cost of mailing. Such expenses will be non-refundable.
5. Each Bid shall be submitted on the required Bid Form and must be accompanied by a Bid Bond on State Buildings Programs Bid Bond Form Sc-6.14 in an amount not less than 5% of the total Bid. The Bid Bond may also be (1) a cashier's check or (2) a certified check made payable to the Treasurer of the State of Colorado in an amount not less than 5% of the total Bid. The Bid Bond is submitted as a guaranty that the Bid will be maintained in full force and effect for a period of thirty (30) days after the opening of the Bids for the project.

6. The Bidder promises, in submitting his Bid, that if issued a Notice of Award, he will, within the prescribed time, execute the required Agreement, furnish the required Performance Bond, Labor and Material Payment Bond, Insurance Policy and Certificates of Insurance, or forfeit his Bid Guaranty as Liquidated Damages.
7. Preference shall be given to Colorado resident bidders and for Colorado labor, as provided by law.

Pre-Bid Meeting

A mandatory Pre-Bid Meeting will be held on 07/21/10 at 10:30 AM. at the Department of Facilities Management, Research Laboratory No. 2, 1540 30th Street, Room 321, Boulder, CO 80309.

Sealed Bids will be received from qualified contractors until this date and time at this location:

Date & Time: 07/29/10 10:00 AM.

Address: Department of Facilities Management, Research Laboratory No. 2, 1540 30th Street,
Room 321, Boulder, CO 80309

Point of Contact

Name: Gil Fike, Project Manager
Agency: University of Colorado at Boulder
Phone: 303-735-0346
Fax: 303-492-4082
Email: gilfike@colorado.edu

This Notice is also available on the web at www.colorado.gov/dpa/dfp/sbrep

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Publication Dates: July 13, 2010

Note to Editor: Transmit one copy of the Affidavit of Publication, and invoice to:

University of Colorado at Boulder
Department of Facilities Management
Campus Box 453 UCB
Boulder, CO 80309-0453



STATE OF COLORADO
OFFICE OF THE STATE ARCHITECT
STATE BUILDINGS PROGRAMS

INFORMATION FOR BIDDERS

Institution or Agency: University of Colorado at Boulder
Project No./Name: PR004792 - DUAN – Rm C123/123A/123B/ & 123C Remodel

1. **BID FORM:** Bidders are required to use the Bid form attached to the bidding documents. Each bidder is required to bid on all alternates and indicate the time to substantial completion in calendar days, and if applicable because designated in the Advertisement For Bids, the bidder is required to indicate the period of time agreed to finally complete the project after the date of substantial completion, also in calendar days. Bids indicating times for substantial completion or final acceptance in excess of the number of days indicated in the Advertisement for Bids may be found non-responsive and may be rejected. The bid shall not be modified or conditioned in any manner. Bids shall be submitted in sealed envelopes bearing the address and information shown below. If a bid is submitted by mail, this aforementioned sealed envelope should be enclosed in an outer envelope and sent to the following addressee:

INSERT NAME OF AGENCY AND ADDRESS WHERE BID SHOULD BE DELIVERED

The outside of the sealed inner envelope should bear the following information:

Project # PR004792
Project Name DUAN Rm C123/123A/123B/ & 123C Remodel
Name and Address of Bidder _____
Date of Opening July 29, 2010
Time of Opening 10:00 AM

A bid with missing or inconsistent information may be considered non-responsive and may not be evaluated. The University will be the sole judge in determining the acceptability of an offer. **The University also reserves the right to reject any or all bids in part or in whole and to waive technicalities.** Any decision shall be considered final

2. **INCONSISTENCIES AND OMISSIONS:** Bidders may request clarification of any seeming inconsistencies, or matters seeming to require explanation, in the bidding documents at least three (3) business days prior to the time set for the opening of Bids. Decisions of major importance on such matters will be issued in the form of addendum.
3. **APPLICABLE LAWS AND REGULATIONS:** **APPLICABLE LAWS AND REGULATIONS:** The bidder's attention is called to the fact that all work under this Contract shall comply with the provisions of all state and local laws, approved state building codes, ordinances and regulations which might in any manner affect the work to be done or those to be employed in or about the work. Attention is also called to the fact that the use of labor for work shall be governed by the provisions of Colorado law which are hereinafter set forth in Articles 27 and 52E of the GENERAL CONDITIONS.
4. Note that the Special Provisions of the General Conditions of the Contract includes the following language: UNAUTHORIZED IMMIGRANTS – PUBLIC CONTRACTS FOR SERVICES - CRS 8-17.5-101 and 24-76.5-101. The Contractor certifies that the Contractor shall comply with the provisions of CRS 8-17.5-101 et seq. The Contractor shall not knowingly employ or contract with an illegal alien to perform work under this contract or enter into a contract with a subcontractor that fails to certify to the Contractor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this contract. The Contractor represents, warrants, and agrees that it (i) has verified that it does not employ any illegal aliens, through participation in the Basic Pilot Employment Verification Program administered by the Social Security Administration and Department of Homeland Security, and (ii) otherwise will comply with the requirements of CRS 8-17.5-102(2)(b). The Contractor shall comply with all reasonable requests made in the course of an investigation under CRS 8-17.5-102 by the Colorado Department of Labor and

A Contractor that operates as a sole proprietor hereby swears or affirms under penalty of perjury that the Contractor (i) is a citizen of the United States or otherwise lawfully present in the United States pursuant to federal law, (ii) shall comply with the provisions of CRS 24-76.5-101 et seq, and (iii) shall produce one of the forms of identification required by CRS 24-76.5-103 prior to the effective date of this Contract. Except where exempted by federal law and except as provided in CRS 24-76.5-103(3), a Contractor that receives federal or state funds under this contract must confirm that any individual natural person eighteen years of age or older is lawfully present in the United States pursuant to CRS 24-76.5-103(4) if such individual applies for public benefits provided under this contract.

5. **TAXES:** The bidder's attention is called to the fact that the Bid submitted shall exclude all applicable federal excise or manufacturers' taxes and all state sales and use taxes as hereinafter set forth in Article 9C of the GENERAL CONDITIONS.
6. **OR EQUAL:** The words "OR EQUAL" are applicable to all specifications and drawings relating to materials or equipment specified. Any material or equipment that will fully perform the duties specified, will be considered "equal", provided the bid submits proof that such material or equipment is of equivalent substance and function and is approved, in writing. Requests for the approval of "or equal" shall be made in writing at least five (5) business days prior to bid opening. During the bidding period, all approvals shall be issued by the Architect/Engineer in the form of addenda at least two (2) business days prior to the bid opening date.
7. **ADDENDA:** Owner/architect initiated addenda shall not be issued later than two (2) business days prior to bid opening date. All addenda shall become part of the Contract Documents and receipt must be acknowledged on the Bid form.
8. **METHOD OF AWARD - LOWEST RESPONSIBLE BIDDER:** If the bidding documents for this project require alternate prices, additive and/or deductible alternates shall be listed on the alternates bid form provided by the Principal Representative. Bidders should note the Method of Award is applicable to this Bid as stated below.
 - A. **DEDUCTIBLE ALTERNATES:** The lowest responsible Bid, taking into account the Colorado resident bidder preference provision of Colorado law, will be determined by and the contract will be awarded on the base bid combined with deductible alternates, deducted in numerical order in which they are listed in the alternates bid form provided by the Principal Representative. The subtraction of alternates shall result in a sum total within available funds. If this bid exceeds such amount, the right is reserved to reject all bids. An equal number of alternates shall be subtracted from the base bid of each bidder within funds available for purposes of determining the lowest responsible bidder.
 - B. **ADDITIVE ALTERNATES:** The lowest responsible Bid, taking into account the Colorado resident bidder preference provision of Colorado law, will be determined by and the contract will be awarded on the base bid plus all additive alternates added in the numerical order in which they are listed in the alternates bid form provided by the Principal Representative. The addition of alternates shall result in a sum total within available funds. If this bid exceeds such amount, the right is reserved to reject all bids. An equal number of alternates shall be added to the base bid of each bidder within funds available for purposes of determining the lowest responsible bidder.
 - C. **DEDUCTIBLE AND ADDITIVE ALTERNATES:** Additive alternates will not be used if deductible alternates are used and deductible alternates will not be used if additive alternates are used.

The Advertisement for Bids can be located at the web site: www.colorado.gov/dpa/dfp/sbrep/constructdesign.htm
(Click on the link below the second paragraph Colorado Construction and Design Notices)

9. **CONTRACTOR QUALIFICATIONS:**

A. Prime Contractors:

- a. Prime Contractors bidding this project must complete "University of Colorado (UCB) Contractor Statement of Experience," and submit it with their Bid.
- b. The Prime Contractor must meet the following minimum requirements and provide written information substantiating their qualifications for evaluation. A Bidder may be found to be non-responsive and their bid rejected if the minimum requirements are not met.
 - (1) The Prime Contractor must have successfully completed three (3) projects of \$250,000.00 (or larger) in the last five (5) years which were similar in complexity and type to this project. For each project list:
 - Name and location of project, along with a brief description of the project (include size & function).
 - Name, address and phone number of client/ owner and their representative.
 - Contract value and type of contract (prime or subcontract).
 - Year in which work was completed.
 - (2) The Contractor must have successfully completed an aggregate of \$750,000.00 of projects in the last five (5) years which were similar in complexity and type on which he acted as the prime contractor (may be the same projects listed in item (1), if applicable).
 - (3) The firm must have been in business as a Contractor for the last five (5) years.

B. Subcontractors

- a. The Prime Contractor is required to provide subcontractors which meet minimum qualifications for the trades listed below.

The right is reserved to reject subcontractors that do not meet the minimum requirements. The Prime Contractor will be required to replace rejected subcontractor(s) with one(s) that meet the minimum requirements with no increase in the Bid Amount prior to the Award of Contract.

Prime Contractor and Subcontractor(s) are advised that there are conditions within the Contract Documents requiring special knowledge and experience to properly execute. The University will require verification of experience to adequately provide materials and perform labor required for the following:

- Electrical
- Mechanical

- b. For the trades listed (subcontractors) above, the apparent low bidder must submit, within 72 hours of receipt of bids except for holidays and weekends, the "University of Colorado Contractor's Statement of Experience.
- c. In addition to the information requested in Item (1), the Subcontractor must meet the following minimum requirements and provide written information substantiating their qualifications for evaluation. A Bidder may be found to be non-responsive and their bid rejected if the minimum requirements are not met
 - (1) The firm must have been in business for the last five (5) years as trade proposed for this work.
 - (2) The firm must have successfully completed at least two (2) projects of similar size, type, and complexity in the last five (5) years. The information must include the following:
 - (a) Building type description (function use)
 - (b) Building gross square footage
 - (c) Subcontract description (be specific)
 - (d) Subcontract amount
 - (e) Subcontract change orders
 - (f) Building owner representative and current telephone number

- (g) Building architect name and current telephone number
- (h) General contract name and current telephone number

(3) This firm shall give evidence of being able to be bonded up to the value of his work for this project. A letter shall be provided by the bonding agency assuring capability of bonding this subcontract amount.

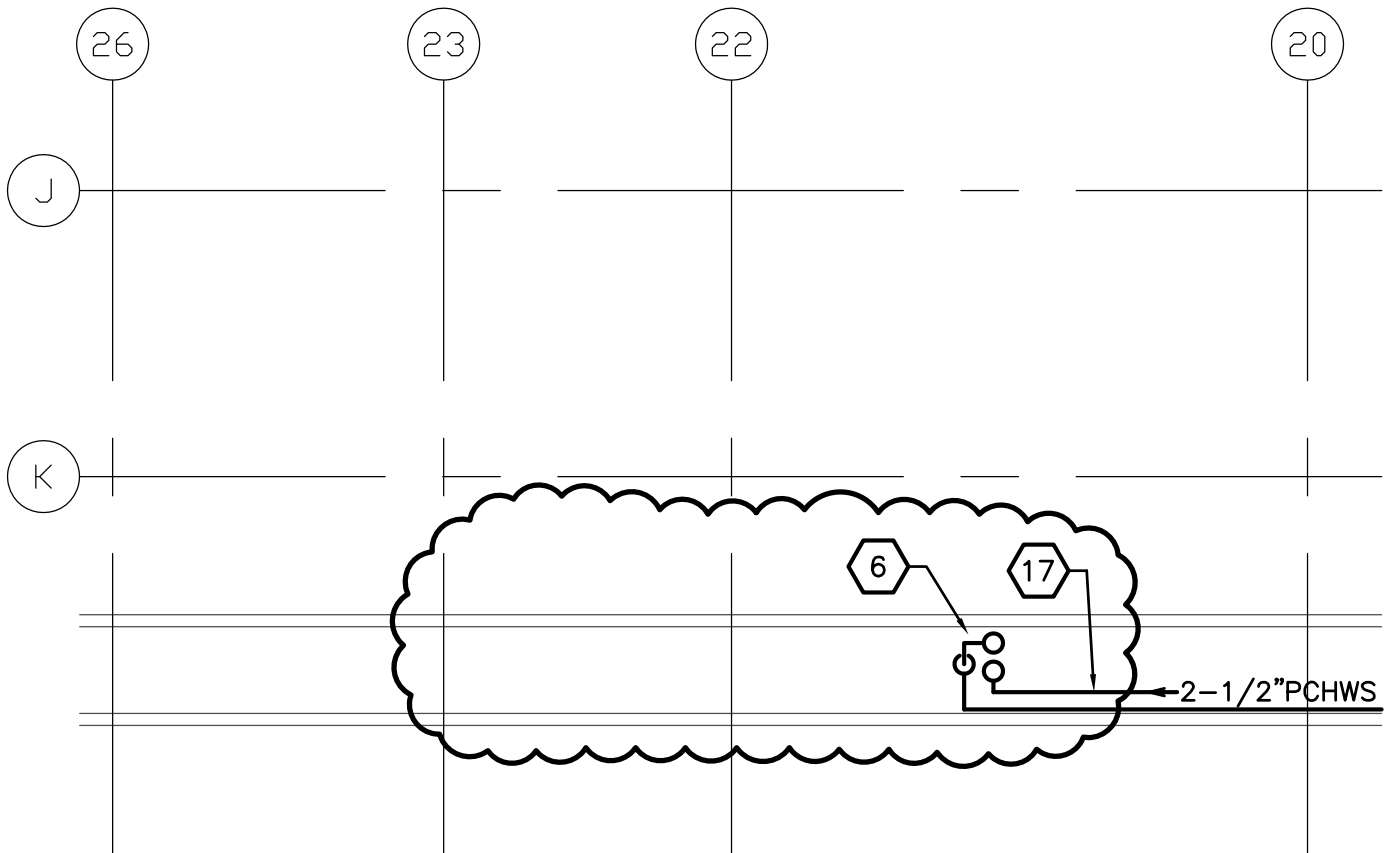
10. **SITE ACCESS:** Contractors / Bidders may schedule a time subsequent to the Site Inspection / Pre-bid Conference to take measurements or further observe existing conditions by contacting:

Gil Fike, Project Manager
University of Colorado at Boulder
Department of Facilities Management
(303) 735-0346

11. **BID SCHEDULE:**

Publication date:	July 13, 2010
Plans specification available:	July 21, 2010 10:30 AM at pre-bid meeting
Mandatory pre-bid conference:	July 21, 2010 10:30
Last day for questions:	July 23, 2010 4:00 PM
Last day for addenda issue:	July 27, 2010 4:00 PM
Bid date:	July 29, 2010 10:00 AM

END



1 DUANE/LASP 2B PIPING FITUP PLAN

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



DETAIL NOTES

- 6** ROUTE PIPE FROM FLOOR UP TIGHT TO EXISTING PIPING AND AROUND CABLE TRAY. 2-1/2" PCHWS/R UP THROUGH FLOOR. RE: 2/P201.
- 17** PROVIDE UNISTRUT SUPPORT FOR TUNNEL PIPING.

Engineered Solutions, Inc.

575 UNION BLVD. STE 200
LAKEWOOD, CO 80228
(303) 421-1116
(303) 421-3070 - fax

DATE: 7 /26/10

DESIGNED BY: BGS

DRAWN BY: WFW

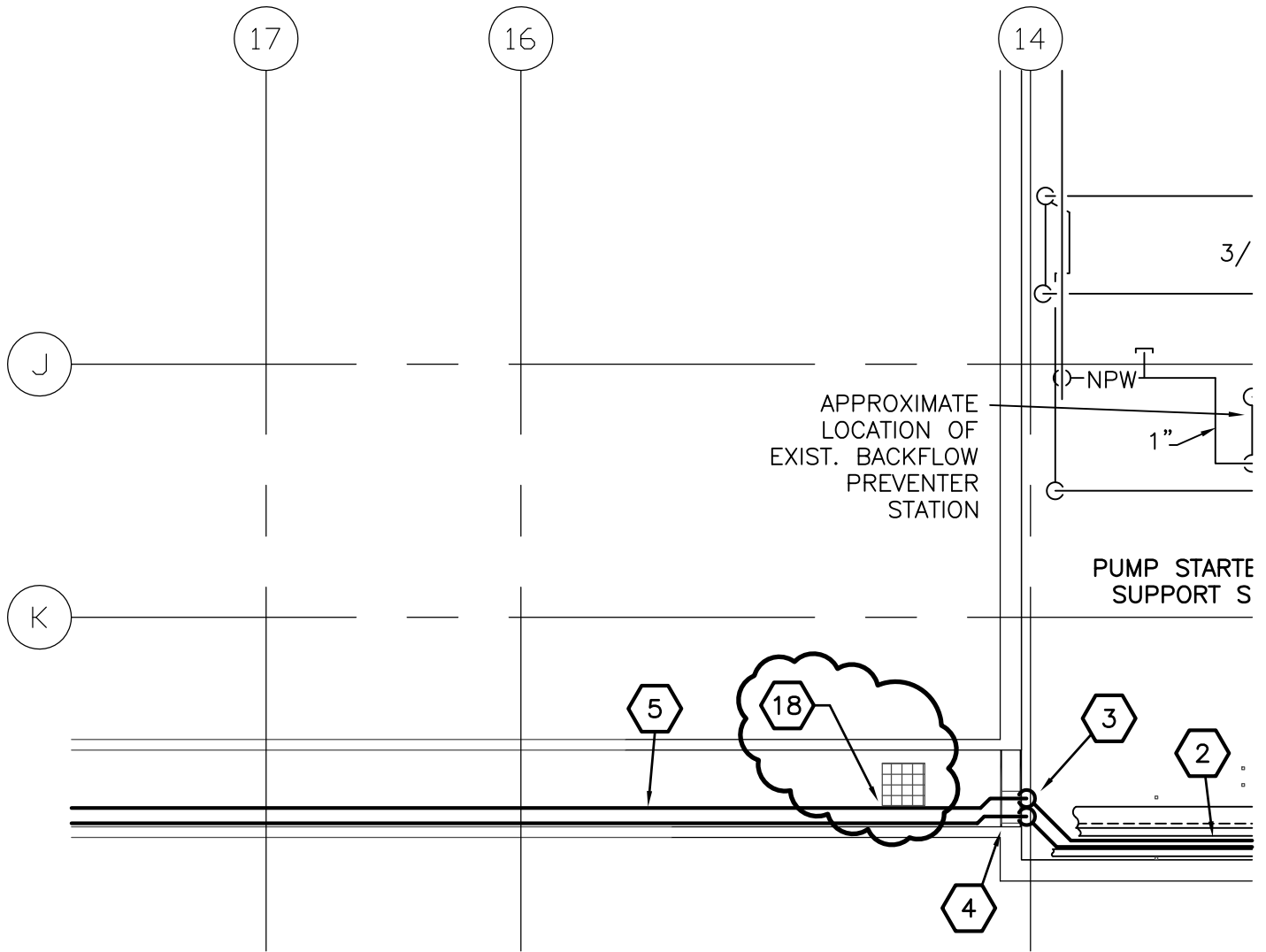
CHECKED BY: BGT

CLIENT NAME: UNIVERSITY OF COLORADO AT BOULDER

PROJECT NAME: DUANE RMS C-119 - C-127 LAB FITUP PR004792

DRAWING TITLE: LEVEL 2B MECHANICAL ROOM REVISIONS TO SHEET P201

Engineered Solutions # 10-017	CLIENT PROJ NUMBER
DRAWING NO. MX 1	
REV. A	SHEET NO. OF



1 DUANE/LASP 2B PIPING FITUP PLAN
 SCALE: 1/8"=1'-0"



DETAIL NOTES

18 ROUTE PIPE TIGHT TO WALL TO AVOID ROUTING ABOVE FLOOR GRATE 12" FROM WALL.

Engineered Solutions, Inc.
 575 UNION BLVD. STE. 200
 LAKEWOOD, CO 80228
 (303) 421-1116
 (303) 421-3070 - fax

DATE: 10/26/10
 DESIGNED BY:
 BGS
 DRAWN BY:
 WFW
 CHECKED BY:
 BGT

CLIENT NAME: UNIVERSITY OF COLORADO AT BOULDER
 PROJECT NAME: DUANE RMS C-119 - C-127 LAB FITUP PR004792
 DRAWING TITLE: LEVEL 2B MECHANICAL ROOM REVISIONS TO SHEET P201

Engineered Solutions # 10-017	CLIENT PROJ NUMBER
DRAWING NO.	
MX 2	
REV. A	SHEET NO. OF

SOUND ATTENUATOR SCHEDULE

PLAN CODE	MFG/MODEL	SYSTEM	DIMENSIONS	MAX P.D. IN W.C. @ S.L.	
					63
SA-1	VIBRO-ACOUSTICS RED-LV-FJ	FCU-1 SUPPLY	24Wx24Hx60L	0.17	14
SA-2	VIBRO-ACOUSTICS RD-MLV-FJ	FCU-1 RETURN	24Wx24Hx60L	0.24	6
SA-3	VIBRO-ACOUSTICS RED-MLV-FJ	FCU-2 SUPPLY	24Wx24Hx60L	0.26	11
SA-4	VIBRO-ACOUSTICS RD-LV-FJ	FCU-2 RETURN	24Wx24Hx36L	0.18	10
SA-5	VIBRO-ACOUSTICS RD-MLV-FJ	FCU-3 SUPPLY	24Wx24Hx60L	0.15	13
SA-6	VIBRO-ACOUSTICS RD-MLV-FJ	FCU-3 RETURN	24Wx18Hx36L	0.12	6

NOTES:

1. FAN COIL SOUND DATA, SEE SPEC SECTION 15880.

Engineered
Solutions, Inc.

575 UNION BLVD, STE 200
LAKEWOOD, CO 80228
(303) 421-1116
(303) 421-3070 - fax

DATE:

7 /26/10

DESIGNED BY:

BGS

DRAWN BY:

WFW

CHECKED BY:

BGT

CLIENT NAME:

UNIVERSITY OF COLORADO AT BOULDER

PROJECT NAME:

DUANE RMS C-119 - C-127 LAB FITUP PR004792

DRAWING TITLE:

LEGEND, SCHEDULES, AND DETAILS
REVISIONS TO SHEET M001

Engineered
Solutions #
10-017

CLIENT PROJ
NUMBER

DRAWING NO.

MX 3

REV.
A

SHEET NO.
OF

2. IFC, 2006
3. IMC, 2006
4. IPC, 2006
5. UL Fire Resistance Directory
6. UL Fire Protection Equipment Directory
7. NFPA-13; 2007
8. Other NFPA Standards as applicable
9. Colorado Department of Public Safety, Division of Fire Safety 8 CCR 1507-11
10. Colorado Revised Statutes Section 24-33.5 - 1202 through 1208

1.06 STANDARDS

- A. Comply with the recommendations of the following:
 1. Factory Mutual
 2. National Fire Protection Association
 3. National Institute for Certified Engineering Technicians

1.07 DESIGN

- A. General Requirements:
 1. Provide fire protection systems to protect all areas of the project in accordance with NFPA Standards 13 and 14, except areas which are specifically excluded on the drawings.
 2. Design shall allow for proper and adequate clearances for lighting, filter access, and other equipment that will be provided in proximity to the fire protection systems. Remove and relocate piping not meeting this requirement at no cost to the owner. Design system to allow other trades to install their equipment without removing fire protection equipment.
 3. Maintain fire-resistive ratings at all penetrations of fire rated surfaces and assemblies.
 4. Provide guards for sprinkler heads that are subject to damage or that are located below 7 feet AFF, or that protect mechanical or electrical rooms.
 5. All valves shall be accessible and operable from the floor.
 6. Velocity in above-ground sprinkler system piping shall not exceed 20 feet per second.
 7. The "small room rule" shall not be used in the design of sprinkler systems.

1.08 WARRANTY

- A. All material and workmanship shall be warranted for a minimum period of one (1) year beginning with the date of final acceptance by the Owner.
- B. The Contractor shall be responsible during the design, installation, testing and guarantee periods for any damage caused by Contractors or by defects in the Contractors work, materials or equipment.

1.09 EMERGENCY SERVICES

- A. During the installation and warranty period, the Contractor shall provide emergency repair service for the sprinkler system within four (4) hours of a request by the Owner.
- B. Service shall be available twenty-four (24) hours per day, seven (7) days per week.