1.1 PROJECT INFORMATION


1. Owner: CU Anschutz
2. Owner Project Number: 18-165529
3. Architect: Hord Coplan Macht (HCM)
4. Additional approved contractors for the project include the following:
   a. ADK Electric Corp, Englewood, Colorado
   b. Clear Creek Mechanical, Henderson Colorado
   c. Magee Electric, Inc., Denver, Colorado
5. Architect Project Number: 219189.00

Contractor to include all costs for Siemens building system controls work and integration in their bids. For all project scope related to building system controls, contact Siemens representatives below:
   Duane Ranski (Sales): Duane.ranski@siemens.com
   Heather Schultz (Project Manager): Heather.schultz@siemens.com

Siemens Industry, Inc.
7810 Shaffer Parkway, Suite 100
Littleton, CO 80127
Tel: +1 303-618-9240

1.2 NOTICE TO BIDDERS

A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract.

B. Incorporate the following modifications, corrections, additions and/or deletions into the Drawings, Specifications and Construction Documents issued for this project.

C. This Addendum is dated 11/19/2019 and will be attached to and become part of the Contract Documents dated 10/29/2019 and submitted with the Contract.

D. There have been occasions when the failure of a Contractor to acknowledge receipt of Addenda has cost him/her the award of a Contract. Please acknowledge receipt of this Addendum #2 and previous Addendum #1 on the Bid Form.

1.3 ATTACHMENTS

A. This Addendum includes the following information below:

B. This Addendum includes the following attached revised Sheets:
   1. G-101
   2. AD-111
   3. A-111
   4. A-410
5. E-112

1.4 REVISIONS TO DRAWING SHEETS

A. Revision to sheet G-101:
   1. Add General Note No. 01 as follows:
      a. “Revise building fire control panel plan to reflect new partition in room P15-11450D and impact to egress pathway. Recommended fire alarm system subcontractor for this work is Systems Group for plan revision. Chad Cahill. Phone: 303-298-7900. chad@systemsgroup.net. Address: 6510 Franklin St, Denver, CO 80229.”

B. Revision to sheet AD111:
   1. Color Legend for equipment relocation: All existing equipment indicated to be relocated will be relocated by owner. Contractor to coordinate all utility connections as indicated in drawings for owner provided equipment.
   2. Remove existing adhesive backed letters on door #P15-11460D that reads: “Emergency Exit Only”

C. Revision to sheet A-111:
   1. Add note to reference detail on sheet A-410 for wall penetration detail for nitrogen tank piping
   2. Clarify door hardware set to reference doors 11232 and 11243 and added additional hardware set information for door #11450C.
   3. Add information to note #1 to clarify hardware set for door #11450C is to be by contractor.

D. Revision to Sheet A-410:
   1. Revise elevation C1/A-410 to indicate a single sheet of 12mm tempered glass, clear.
   2. Revise detail A3 and C3 to indicate 12mm tempered glass module in lieu of 10mm.
   3. Add detail for wall penetration for nitrogen tank piping

1.5 REVISIONS TO PROJECT MANUAL

A. Specification Section 102219 Demountable Partitions.
   1. Add 2.2.D.1 to read as follows:
      a. Glazing Frame Finish: Clear Anodized Aluminum

1.6 BIDDER QUESTIONS

A. Are there parking costs required? If so, please indicate the typical daily and monthly rates. Yes. All parking costs for project are paid by Contractor. Contractor’s can either park in one of the daily visitor lots for $8/day, or secure a monthly parking permit in north rock lots at $35/month. Please refer to attached web link for other paid parking options on campus. http://www.ucdenver.edu/about/departments/FacilitiesManagement/ParkingMaps/Parking/Pages/PermitParking.aspx
B. Are there badging costs? Yes. CU Anschutz security access badges are $8/individual and are valid for one (1) year from date of issue. There are no costs for renewal of badges if they are not let to expire. Costs for badges are by Contractor.

C. Will we be able to set a dumpster if necessary? Yes. The University will work with selected Contractor to establish an acceptable dumpster location near the building.

D. Will be allowed to use the building sanitary facilities or do we need to include a temp toilet? This is a small project and project workers can utilize existing building facilities. Temporary facilities (porta-potties) are not required for this project. However, this privilege will be rescinded if building facilities are not respected (left in a mess)/or are damaged by any workers on this project.

E. Please identify the extent of repainting and painting of patches. As was discussed at the pre-bid walk through, any location where existing walls will be cut for security card access systems, or any other system requiring wall demolition, walls are to be patched and repaired, and painted from corner to corner and from floor base to a height aligned with the structure that supports existing light fixtures in hallways P15-11330B and P15-11340B where new card access readers are to be installed adjacent to existing doors, and at the existing card reader that is to be removed at hallway P15-11350A.

F. Please confirm if and how much backing in walls will be required per note #2 on A-111. Note #2 is a generic note, and backing is only required in locations where there will be a wall mounted system that can not tie into existing partition stud framing.

G. Please confirm what equipment, nitrogen bottles, water bath, incubators, cabinets, etc. will need to be moved by the GC vs. by the owner’s mover. All equipment is to be relocated by the CU Anschutz move team.

H. Please confirm “no fire sprinkler or alarm modifications are necessary”. Confirmed. Contractor to provide a revised plan for the fire control panel map that reflects the change in egress with the addition of the demountable partition per the added note on the code sheet G-101.

I. Will plastic or hard wall dust protection partitions be required? Either is acceptable

J. Please confirm permit costs will not need to be included. The CU Anschutz campus is its own Authority Having Jurisdiction/Code Authority. There are no building permit/inspection costs for this project.

K. Please provide specification and detail for the wall penetration for Liquid Nitrogen hose pass through at P15-11450F. See detail on sheet A-410

L. Is the white lettering on the glass of the Demountable Glass Partition to be furnished and installed by the general contractor? Letters can be supplied by the General Contractor or by the Teknion subcontractor.

M. Will the condensate line into the mop sink be surface mounted or do we need to figure for wall patching at this location? Exposed is acceptable provided it does not obstruct other items in the room. Pipe shall be properly supported using Unistrut with pipe clamps and EPDM isolation strips at the clamp.
N. Do we need to open the wall and install backing for the (2) coat hooks or just use hollow wall anchors? No backing is required to be placed in the wall as long as the hooks can be anchored to the metal studs.

O. Will the wall need to be opened up to install backing for the east side of the Demountable Glass Partition? Per the Teknion representative from Projex, backing will not be required in the east wall for the east jamb of the partition. Additionally, below is an image of the inside of the utility chase on the west side of the demountable partition. Anchoring the partition to the chase will require coordination with the location of existing utilities in the chase to assure anchoring does not penetrate utilities.

P. Per sheet AD-111, there are red colored items "to be relocated by Contractor/Roxanne" per the Color Legend. Per pre-bid conference held on 11/14/19, these items are to be relocated by Roxanne/CU Anschutz staff. Please confirm if GC's shall not include the relocation of these items within bids. Refer to 1.4.B.1 above.

Q. Per door hardware specification 08 71 00 section 3.06.B, there is not a door hardware schedule. Per sheet A-111, door hardware lists both electrified lockset and electrified strike. Per pre-bid conference held on 11/14/19, all doors within scope shall not apply to sheet A-111 door hardware. Please provide door hardware schedule for each door. The only door hardware to be provided by the contractor is the replacement non-lockable hardware for door P15-11450C as indicated by note #1 on sheet A-111. All other hardware is to be provided by owner, however, the contractor is to provide rough-in in doors and/or HM jambs for owner provided security card access equipment per diagrams on the electrical sheet E-001. Per the owner, contractor does not need to run conduit in existing walls for our low voltage cable unless it is a rated wall. A pull string will work for the owner to route cabling from the SJB to the point of termination. The following is to clarify the contractor vs owner scope for each door:
1. CU Anschutz will remove the existing card access at door 11450C for relocation, contractor to patch/repair wall and remove existing door hardware and turn over to owner. Contractor to provide new non-lockable lever hardware at door 11450C where card access system was removed.
   a. New lever hardware set to be as follows:
HARDWARE GROUP NO. 401
Provide each opening with the following:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Item No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>HINGE 5BB1 4.5 X 4.5 (QUANTITY AS REQUIRED)</td>
<td></td>
<td>652</td>
</tr>
<tr>
<td>1</td>
<td>PASSAGE SET 93K-0N14DS3</td>
<td></td>
<td>626</td>
</tr>
</tbody>
</table>

IF EXISTING HARDWARE IS TO REMAIN, GC TO FIELD VERIFY IT IS REUSABLE TO ACCOMPLISH THE NEEDED FUNCTIONALITY OF THE OPENING

2. Contractor to provide conduit and rough-in in existing walls and HM door frames for owner provided new card access systems at doors 11232 and 11243 (doors are wood with half lites), and provide rough-in at doors/jambs for owner provided electronic lock hardware sets. CU Anschutz to run all wiring between card access and hardware, and will install hardware.

3. Contractor to provide conduit and rough-in in existing walls and HM door frame for relocated card access system at door 11460D (door is HM with full height glass lite), and provide rough-in at door/frame for owner provided electronic strike hardware set. CU Anschutz to run all wiring between card access and hardware, and will install hardware.

R. Per pre-bid conference held on 11/14/19, Owner shall provide door hardware, access readers, and all associated cabling. GC to provide electrical infrastructure. Please indicate which items GC shall provide per new door hardware schedule, per #2 above. See response to item ‘1.6.Q’ above.

S. Per sheet P-111 note 2, GC shall provide "new wall drop with wall turret to match (E) in building or relocate one of the removed turrets from Large Lab". Please confirm if Owner will provide new turret from Large Lab or please provide spec to match existing. Please coordinate during the demolition phase to retain the removed turrets and relocate it to the Procedure Room.

T. There are currently no notes per sheet A-111 nor in door hardware specification that reflect GC to provide new doors or frames.
A) Please confirm GC does not need to provide new doors or frames. Confirmed.
B) Please confirm if GC shall modify existing doors and frames per door hardware schedule per #2 above. Contractor to provide rough-in at existing doors and frames for new owner provided card reader access system hardware as indicated in item ‘1.6.Q’ above.

U. FCU-P15-003,004 models currently show dimensions of 32.3 x 25. Existing acoustical ceiling tile grid spacing will not allow this sizing without modifications. Please confirm if existing acoustical ceiling tile and grid shall be removed and reinstalled to match existing at the new fan coil locations per sheets M-111 and M-211. Confirmed. Adjust ceiling tiles/grid as necessary to install equipment and replace in kind if damaged during construction.

V. Per sheet E-112, the new fan coil units are currently shown to connect to electrical panels LRP11-7 and LRP11-9. Per pre-bid conference held on 11/14/19, electrical panels SBRP11G, LRP11-13, SBRP11D, and SBRP11E are located in a chase between rooms 11257 and 11261.
A) Please confirm if there are enough spare circuits on electrical panels SBRP11G, LRP11-13, SBRP11D, or SBRP11 in order to reduce conduit raceways
to electrical panels LRP11-7 or LRP11-9. The panel schedule shows spare circuits. Refer to revised sheet E-112 which clarifies locations for panels LRP11-7 or LRP11-9.

B) If there are not enough spares within the panels per #7A above, please provide location of electrical panels LRP11-7 and LRP11-9. See above

W. Please provide daily parking rates for (1) parking stall. Refer to 1.6A above

X. Are there any proprietary vendors?
   • fire protection? No fire protection required
   • voice/data/communications cabling? Voice/data devices and cabling by owner, rough-in by contractor.
   • fire alarm? No fire alarm scope of work required with exception of updates to fire alarm system graphical interface map.

Y. Is the project subject to Liquidated Damages? if so, what is the amount (per calendar day)? No

Z. Are there any building rules/work hour restrictions? No. Contractor can complete all work on this project during normal business hours. Owner would prefer that construction work that produces much noise/disturbance be completed before 8:00 a.m, or after 5:00 p.m. M-F

AA. Is a direct employed full-time on-site Superintendent required? Yes. A superintendent is required to be present on job site whenever work is taking place on site.

BB. Are bid clarifications/qualifications and/or VE alternates allowed? No, not allowed unless approved in addenda prior to bidding.

CC. Can the wiring for the electronic locksets be surface mounted to the existing procedure room doors? Refer to response 1.6.Q above

DD. Will all equipment labeled “to be relocated by contractor/Roxanne” be done by CU? Refer to 1.6.G above

EE. Doors/Frames/Hardware:
   a) Drwg A-111, Hardware schedule: We believe the intent is that the Owner provides all the hardware in this schedule. Please confirm. Refer to 1.6.Q above.
   b) We understand the Owner installs all access control equipment (Contractor just provides backboxes, conduit, framing if necessary); who installs the remaining hardware, Owner or Contractor? By owner
   c) We understand from the site visit that the Contractor provides two lock set (non-electrified). Please clarify if this is correct, and specify the lock set required. Refer to 1.6.Q above.
   d) Please clarify if there is any other door hardware to be provided by the Contractor. Refer to 1.6.Q above.
   e) Drwg A-111, notes 2 and 3 seem to indicate the Contractor is to provide HM door frames. We understand from the site visit that the intent is to reuse doors in existing door frames, rather than to provide new frames. Please confirm. Both notes refer to existing walls and frames. No new frames are required.
FF. We understand from the site visit that the Owner will move all lab equipment. Please confirm. Confirmed

GG. We understand from the site visit that there is no disconnection of vacuum, electrical lines, or other utilities required for moving any of the lab equipment including the Bio-Safety Cabinets. Please confirm. Confirmed for anything moved by owner.

HH. Please confirm that all the bio-safety cabinets and any other equipment will be properly disinfected and green-tagged by the Owner prior to start of construction. Confirmed. Contractor will not be required to move any equipment, as mentioned above CU Anschutz moving team will relocate all equipment.

II. Demo and replace all wall plates, AD-111 note 12. This not is not applicable and has been deleted along with notes # 5,6,11 and 13

JJ. We understand R2 was built within the last 10 or 12 years. Can an Architect’s letter be provided indicating there were no asbestos containing materials used in the building?
   1. If an Architect’s letter cannot be provided, please provide the asbestos survey for the building. The building has been verified to have no asbestos containing material per the attached letter from M.A. Mortenson, the building contractor.
   2. If an Architect’s letter cannot be provided, and there is no asbestos survey, please confirm the Contractor needs to include asbestos sampling and analysis in the bid price.

KK. The specifications include pollution insurance. We believe no pollution insurance is required for this project. Please confirm. Confirmed

LL. Drwg E-112: In the lower right area (P15-11450F, P15-11460A, P15-11460C) there are several bolded labels indicating REF/FRZ, BIOcab, -80 FRZ, etc. which do not have an associated new (bold) receptacle. We believe these labels are mistakenly bolded, and that there is not a new receptacle required in those locations. Please advise. The bold device tags are tracking where equipment will be plugged in and are bold even if the devices are existing. New devices and circuiting are indicated in bold.

MM. We understand the project intent includes not fire alarm. If the fire alarm schematic needs to be updated due to the new glass partition, that work will be done by the Owner. Please confirm. Fire alarm system graphical interface map needs to be updated by a fire alarm subcontractor. Recommend that General Contractor contact Systems Group to complete this work.

END OF DOCUMENT 009113.01
June 12, 2008

Kent Shepard  
UC Denver  
Anschutz Campus -Campus Services Bld  
3rd floor - T-36-364  
1945 N. Wheeling Street  
Aurora, CO 80045-0508

RE: Research Complex 2  
Issue No. 02078: Asbestos Free Letter  
M.A. Mortenson Company Job No. 036030

Dear Mr. Shepard:

This letter is to certify all materials used on the Research Complex 2 project are free of asbestos based on the attached letters from subcontractors and suppliers certifying the absence of asbestos within the Research Complex 2 project.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

[Signature]

Tony Shieh  
Field Engineer

CC: File 71.01, Issue#02078
PLUMBING COUNTS

PLUMBING COUNTS

LAB

P15-11410B

LINEAR

P15-11310B

ROOM

P15-11410C

P15-11400F

ALCOVE

P15-11310A

LINEAR

P15-11400B

P15-11400E

P15-11400C

P15-11400D

OFFICE

AREA SEPARATIONS:

GOVERNING CODES:

LAB

P15-11200e

P15-11203

P15-11202m

CLOSET

P15-11L01

P15-11420B

ALCOVE

P15-11320A

ROOM

ELEVATOR

ELEVATOR

P15-11006

LAB

P15-11008

P15-11010

OFFICE

P15-11012

PROCEDURE

P15-11221

P15-11222

LAB

ROOM

ALCOVE

P15-11105

LAB

BREAK

P15-11S01

ROOM

STAIR

177'

PROCEDURE

P15-11232

P15-11233

P15-11234

P15-11235

ELEVATOR

OFFICE

OFFICE

P15-11015

P15-ELV-002

ELEVATOR

3'-1 1/2"7'-3"

6.9

CRITICAL DEFINITIONS:

portions of the building where incidental work entailed by the intended work must be

WORK AREA. That portion or portions of a building consisting of all reconfigured

707.1 Minimum requirements.

to the primary function area shall be accessible. The accessible route to the primary function area

requirements of the International Energy Conservation Code as they relate to new construction only.

ENERGY CONSERVATION

compliance with this section is technically infeasible, the alteration shall provide access to the

705.1.1 through

705.2 Alterations affecting an area containing a primary function.

Where an alteration affects the accessibility to a, or contains an area of, primary function, the route

1. Contractor to revise building fire control panel plan to reflect new partition in room

13'-3"

4'-6"