UNIVERSITY OF OREGON

ADDENDUM #2

Project Management Group
Facilities Services

Prepared by: Kevin Spahn

ADDENDUM #2
January 19th, 2012

Project: Molecular Biology Renovation

Bidders (To): Lee Construction
Chambers Construction
Preferred Construction
Turner Construction

Owner (From): University of Oregon, Capital Construction

The following items are hereby made a part of the Bidding and Contract Documents.

Specifications

OUS Contract Form B-5 – Bid Form
Revised Bid Form is enclosed, adding Alternate 2 and 3

Section 08 11 13 – Hollow Metal Doors and Frames
Delete Section 2.03 Steel Doors. All new doors to be wood to match existing doors.

Section 08 71 00 – Door Hardware
Add hardware schedule, enclosed

Section 08 80 00 – Glazing
Delete Section 2.01 in its entirety, replace with:

2.01 Glazing Types
A. Safety Glass (Type SG-A): Clear; fully tempered with horizontal tempering
1. Laminated with 0.030 inch thick plastic interlayer, comply with ASTM C1172
2. Provide this type of glazing at Frame F02

Section 23 31 00 – HVAC Duct Cleaning and TU Filter Housing
Add this section, enclosed

Section 23 40 00 – HVAC Air Cleaning Devices
Add this section, enclosed

Drawings

Drawing A001
Add General Note 6: Patch all existing holes from existing brackets, fasteners and unused junction boxes to provide smooth, clean finish ready for paint. Assume 20 sq ft of patching in addition to patching required from plumbing abatement.

Drawing A002
Keyed Note 4 not used.

Drawings A101
Keyed Note 2, add the following: Hauser Shade Co, White / White, Sheerweave 2360, E Screen 10% open, manual pull chain, right hand side, white valance housing.

Drawing A102
Add General Note 3: Acoustical Units to be by Armstrong World Industries or approved equal. Acoustical Tile Type Fine Fissured: Painted mineral fiber, ASTM E 1264 Type III, with the following characteristics:Size 24x48, Thickness ¾", Edge Beveled, Surface Color White, Type #512 Second Look I

In office 273A and 273B, change Keyed Note to 3.

Upgrade ceiling grid in room 269A to comply with seismic requirements as outlined on A502.

Drawing A103
PGP panels in office 269A have been lowered. Revised drawing enclosed. Contact Office World for revised quote

Install blocking for Herman Miller Partitions as part of Base Bid

Drawing A104
PGP panels in office 269A have been lowered. Revised drawing enclosed. Contact Office World for revised quote

Install blocking for Herman Miller Partitions as part of Base Bid

Drawing A501
Door Schedule, for door 269, 269A, 269B and 273, change finish to "P".

Room Finish Schedule, for room 269 and 269A, change base material to "R". Base to be Type TS rubber, top set style B, Cove, 4" height, finish satin, by Roppe or equal.

Drawing M101
Revised Drawing enclosed, including notes for Alternate 3

OREGON UNIVERSITY SYSTEM

RETAINER CONTRACT

BID FORM

OUS CAMPUS: University of Oregon

PROJECT: Molecular Biology Renovation

BID CLOSING: Tuesday, January 24th, 2012 at 3:00 PM

FROM: _____
Name of Contractor

TO: Oregon State Board of Higher Education
University of Oregon – Capital Construction Office
1295 Franklin Blvd.
1-541-346-8292

1. The Undersigned (*check one of the following and insert information requested*):

____a. An individual doing business under an assumed name registered under the laws of the State of _____; or

____b. A partnership registered under the laws of the State of _____; or

____c. A corporation organized under the laws of the State of _____; or

____d. A limited liability corporation organized under the laws of the State of _____;

hereby proposes to furnish all material and labor and perform all work hereinafter indicated for the above project in strict accordance with the Contract Documents for the Basic Bid as follows:

_____ Dollars ($_____)

and the Undersigned agrees to be bound by the following documents:

- NOPI – Contract Opportunity
- OUS Retainer Supplement Form
- OUS General Conditions
- Prevailing Wage Rates
- Plans and Specifications
- Instructions to Bidders
- Performance Bond and Payment Bond
- Supplemental General Conditions
- Payroll and Certified Statement Form
- Drawings and Details

• ADDENDA numbered ____ through____, inclusive *(fill in blanks)*

2. The Undersigned proposes to add or to deduct from the Base Bid indicated above the items of work relating to the following Alternates as designated in the Specifications:

ALTERNATE #1 Provide and install furniture as noted on sheet A104

ADD or DEDUCT: $_____

3. The Undersigned proposes to add or to deduct from the Base Bid indicated above the items of work relating to the following Alternates as designated in the Specifications:

ALTERNATE #2 Terminal Unit and Duct Cleaning, refer to Spec Section 233100 for scope of work

ADD or DEDUCT: $_____

4. The Undersigned proposes to add or to deduct from the Base Bid indicated above the items of work relating to the following Alternates as designated in the Specifications:

ALTERNATE #3 Add a prefilter rack to the Terminal Units, see drawing M101-A which includes revisions to the scope of work, see Spec Sections 233100 and 234000

ADD or DEDUCT: $_____

5. The work shall be completed within the time stipulated and specified in Division 1, Section 01 10 00, of the Specifications.

6. The Undersigned agrees, if awarded the Contract, to execute and deliver to the Oregon State Board of Higher Education, within twenty (20) calendar days after receiving the Contract forms, an Agreement Form, and a satisfactory Performance Bond and Payment Bond each in an amount equal to one hundred (100) percent of the Contract sum, using forms provided by the Owner. The surety requested to issue the Performance Bond and Payment Bond will be:
_____.
(name of surety company - not insurance agency)
The Undersigned hereby authorizes said surety company to disclose any information to the Owner concerning the Undersigned's ability to supply a Performance Bond and Payment Bond each in the amount of the Contract.

7. The Undersigned certifies that: (1) This Bid has been arrived at independently and is being submitted without collusion with and without any agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment or services described in the invitation to bid designed to limit independent bidding or competition; and (2) The contents of the Bid have not been communicated by the Undersigned or its employees or agents to any person not an employee or agent of the Undersigned or its surety and will not be communicated to such person prior to the official opening of the Bid.

8. The undersigned **HAS, HAS NOT** (*circle applicable status*) paid unemployment or income taxes in Oregon within the past 12 months and **HAS, HAS NOT** (*circle applicable status*) a business address in Oregon.

9. The Undersigned agrees, if awarded a contract, to comply with the provisions of ORS 279C.800 through 279C.870 pertaining to the payment of the prevailing rates of wage.

10. Contractor's CCB registration number is _____. As a condition to submitting a bid, a Contractor must be registered with the Oregon Construction Contractors Board in accordance with ORS 701.035 to 701.055, and disclose the registration number. Failure to register and disclose the number will make the bid unresponsive and it will be rejected, unless contrary to federal law.

11. The successful Bidder hereby certifies that all subcontractors who will perform construction work as described in ORS 701.005(2) were registered with the Construction Contractors Board in accordance with ORS 701.035 to 701.055 at the time the subcontractor(s) made a bid to work under the contract.

12. The successful Bidder hereby certifies that, in compliance with the Worker's Compensation Law of the State of Oregon, its Worker's Compensation Insurance provider is _____, Policy No. _____, and that Contractor shall submit Certificates of Insurance as required.

13. Contractor's Project Manager for this project is: _____, Office Phone: _____ Cell Phone: _____.

14. The Undersigned certifies that it has not discriminated against minority, women, or emerging small businesses in obtaining any subcontracts for this project.
By signature below, Contractor agrees to be bound by this Bid.

NAME OF FIRM _____

ADDRESS _____

_____

FEDERAL TAX ID _____

TELEPHONE NO _____

FAX NO _____

SIGNATURE 1) _____
Sole Individual

or 2) _____
Partner

or 3) _____

Authorized Officer of Corporation

(SEAL)

_____

Attested: Secretary of Corporation

Payment information will be reported to the IRS under the name and taxpayer ID # provided above. Information not matching IRS records could subject Contractor to 31 percent backup withholding.

***** END OF BID *****

KLAMATH HALL REMODEL
ROOMS 269 &273

Hardware Schedule

Group 1
Doors 273A &272B
3070 HM x WD

3	**Butts**	**5BB1 4.5 x 4.5**	**652**	**Ives**
1	**Lockset**	**ND 53JD x RHO**	**626**	**Sch**
1	**Wall stop**	**407.5**	**630**	**Ives**

Group 2
Existing Doors

269, 269A , 268B , 273

1	**Lockset**	**Doors to receive new Schlage RHO lever sets** **We will coordinate with user for correct function**

SECTION 23 31 00

HVAC DUCT CLEANING & TU FILTER HOUSING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Duct cleaning.

B. Terminal Unit Cleaning

C. Terminal Unit Filter Housings

1.02 REFERENCE STANDARDS

A. SMACNA (DCS) - HVAC Duct Construction Standards - Metal and Flexible; Sheet Metal and Air Conditioning Contractors' National Association; 2005.

1.03 SUBMITTALS

A. Shop Drawings: shop fabricated filter housing for terminal units TU-113, TU-134, TU-XXX, showing particulars such as gauges, sizes, welds, and configuration prior to start of work.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing the type of work specified in this section, with minimum five years of documented experience.

PART 2 PRODUCTS

2.01 MATERIALS

A. Galvanized Steel Filter Housing: Hot-dipped galvanized steel sheet, ASTM A 653/A 653M FS Type B, with G60/Z180 coating.

B. Joint Sealers and Sealants: Non-hardening, water resistant, mildew and mold resistant.

1. Type: Heavy mastic or liquid used alone or with tape, suitable for joint configuration and compatible with substrates, and recommended by manufacturer for pressure class of ducts.
2. VOC Content: Not more than 250 g/L.
3. Surface Burning Characteristics: Flame spread of zero, smoke developed of zero, when tested in accordance with ASTM E 84.
4. Acceptable Products:
   a. Tremco; www.tremcosealants.com
   b. Substitutions: See Section 01 60 00 (01600) - Product Requirements.

C. Hanger Rod: ASTM A 36/A 36M; steel, galvanized; threaded both ends, threaded

one end, or continuously threaded.

D. Hanger Wire: 12 gauge, anchored to ceiling and attached to steel ducting or hanger strap around flex duct.

2.02 FILTER HOUSINGS

A. Fabricate filter housings in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible. Provide material, gauges, reinforcing, and sealing for medium pressure systems (6”wc).

PART 3 EXECUTION

3.01 INSTALLATION

A. Install and seal filter housings in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible at locations shown on mechanical drawings.

B. Use double nuts and lock washers on threaded rod supports.

3.02 CLEANING

A. Clean terminal units TU-113, TU-134, TU-XXX as follows:

1. Remove terminal unit, transport to contractor’s shop for cleaning.
2. Install sealed bearing damper at medium pressure duct branch connection to close off branch duct while terminal unit is down for cleaning.
3. Thoroughly clean reheat coils and unit interior
4. Reseal all unit cabinet seams with suitable duct sealant.
5. Repair or replace liner in unit. Attach liner with spray adhesive, Duro Dyne RPG or similar.
6. Replace gasket on medium pressure inlet and access door.
7. Consultant to inspect and accept cleaned unit prior to reinstallation.
8. Reinstall terminal unit using existing hangers
9. Replace medium pressure flex duct between terminal unit and main duct branch using Thermaflex SLP-10 or similar.

B. Clean duct downstream of terminal unit with high power vacuum machines. Protect equipment that could be harmed by excessive dirt with filters, or bypass during cleaning. Provide adequate access into ductwork for cleaning purposes.

END OF SECTION

SECTION 23 40 00
HVAC AIR CLEANING DEVICES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Disposable panel filters.

1.02 REFERENCE STANDARDS

A. ARI 850 - Commercial and Industrial Air Filter Equipment; Air-Conditioning and Refrigeration Institute; 2004.

B. ASHRAE Std 52.2 - Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size; American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.; 2007.

1.03 SUBMITTALS

A. Product Data: Provide data on filter media and filter performance

B. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. Extra Filters: One set of each type and size.

PART 2 PRODUCTS

2.01 FILTER MANUFACTURERS

A. Flanders PrePleat-40 LPD air filter or owner approved alternative.

2.02 DISPOSABLE PANEL FILTERS

A. Minimum Efficiency Reporting Value (MERV): 8, when tested in accordance with ASHRAE 52.2.

B. Media: UL 900 Class 2, fiber blanket, factory sprayed with flameproof, non-drip, non-volatile adhesive.
   1. Nominal Size: as required to fit existing terminal units.
   2. Thickness: 2 inch (51 mm).
   3. Initial resistance at 500 FPM face velocity: 0.19 inch WG

C. Casing: Cardboard or moisture resistant chipboard frame.

2.03 FILTER FRAMES AND HOUSINGS

A. Filter frames: Shop fabricated to fit existing terminal unit inlet

PART 3 EXECUTION

3.01 INSTALLATION

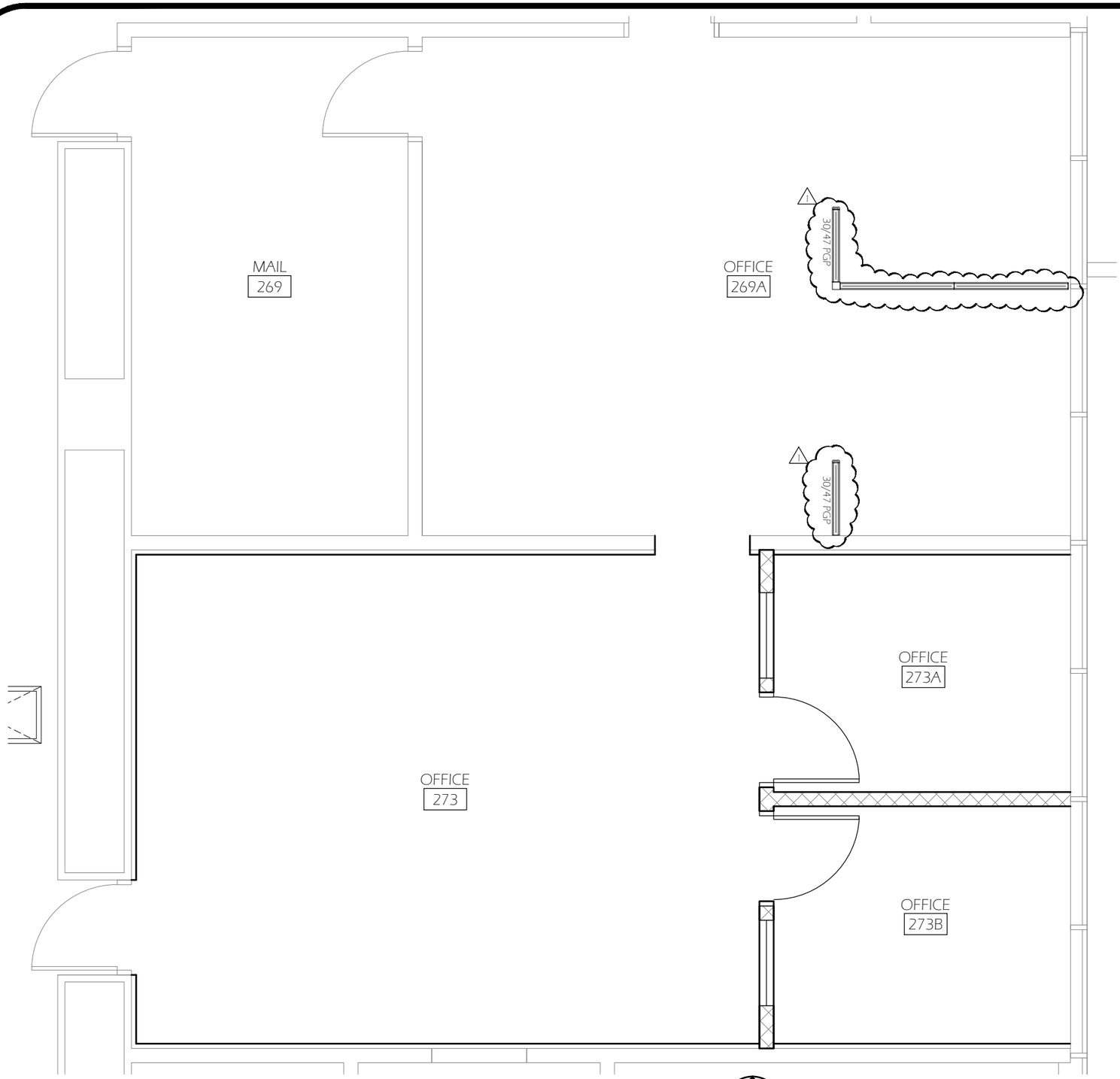
A. Install air cleaning devices in accordance with manufacturer's instructions.

B. Prevent passage of unfiltered air around filters with felt, rubber, or neoprene gaskets.

3.02 AIR FILTER SCHEDULE

A. For locations see drawings M101

END OF SECTION



1 FURNISHED FLOOR PLAN
Scale: 1/4" = 1'-0"

GENERAL NOTES

1. BASE BID WORK TO INCLUDE CFCI PARTITIONS AS NOTED. SECURE PARTITIONS TO WALL, NO ELECTRICAL OR DATA SERVICE TO BE INCORPORATED INTO PANELS. REFERENCE OFFICE WORLD PRICE QUOTE 10387, DATED 12/05/2011. REVISED 01/19/2012. CONTACT 541-687-9704

General Notes

No	Revision/Issue	Date
1	ADDENDUM 2	01/19/12

REGISTERED ARCHITECT
KEVIN SPAHN
EUGENE, OREGON
5432
STATE OF OREGON

DRAWING TITLE: FURNISHED FLOOR PLAN

UNIVERSITY OF OREGON

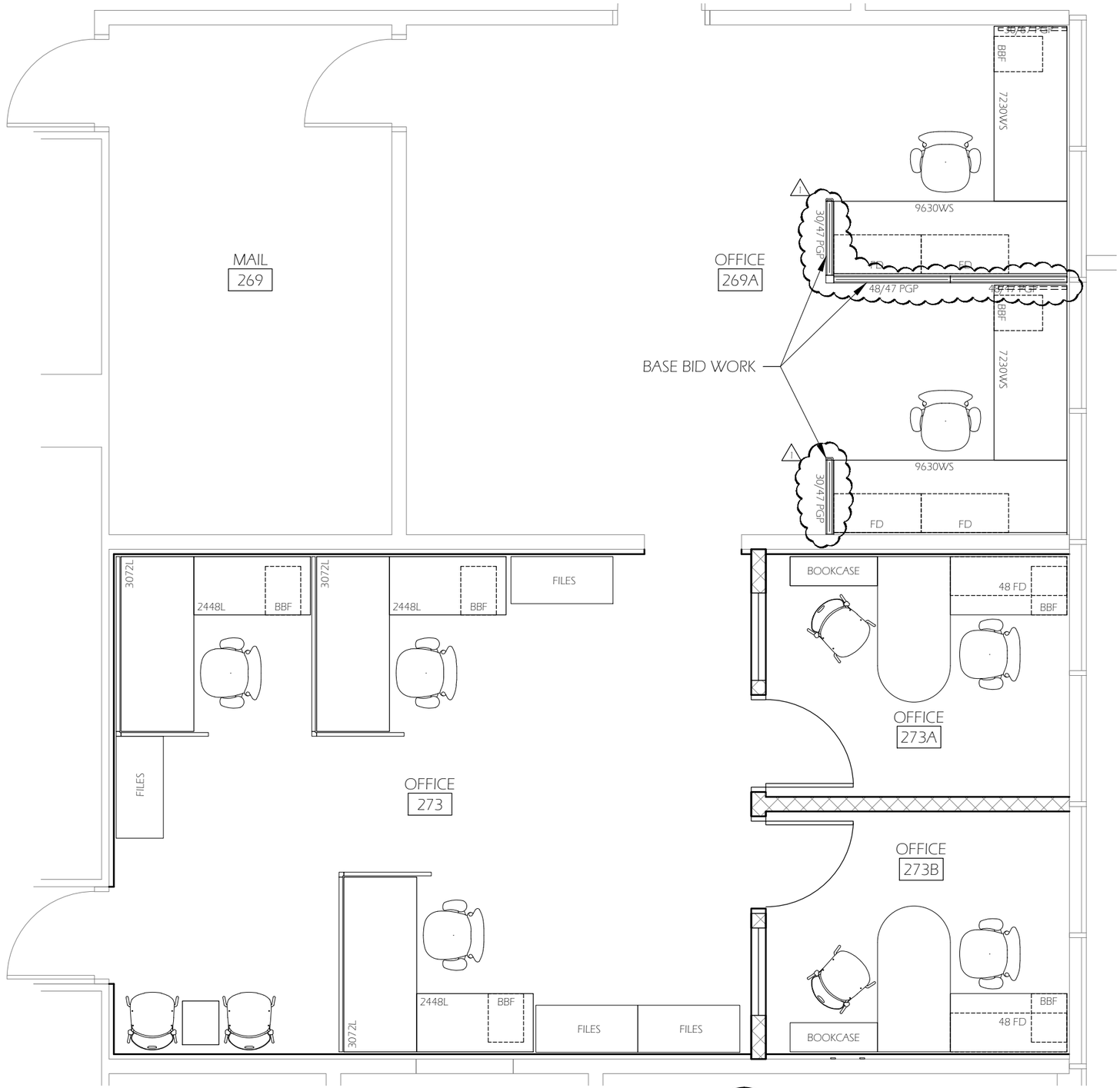
DESIGN SERVICES GROUP
1295 FRANKLIN BOULEVARD
541-346-2220

FACILITIES SERVICES
1276 UNIVERSITY OF OREGON
EUGENE, OREGON 97403-1276

PROJECT NAME:
MOLECULAR BIOLOGY RENOVATION

PROJECT NO.: WK175278
DATE: 01/05/2012
DRAWN BY: MNL
DESIGN BY: KS
SCALE: AS NOTED

DRAWING NO.: A103



1 FURNISHED FLOOR PLAN - ALTERNATE
Scale: 1/4" = 1'-0"

N

GENERAL NOTES

1. NOTE PANELS IN ROOM 269A ARE PART OF BASE BID WORK. REMAINDER OF FURNITURE TO BE ALTERNATE 1; REFERENCE OFFICE WORLD PRICE QUOTE 10387, DATED 12/05/2011. REVISED 01/19/2012. CONTACT 541-687-9704

General Notes

No	Revision/Issue	Date
1	ADDENDUM 2	01/19/12

REGISTERED ARCHITECT
KEVIN SPAHN
EUGENE, OREGON
5432
STATE OF OREGON

DRAWING TITLE: FURNISHED FP - ALTERNATE 1

UNIVERSITY OF OREGON

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DESIGN SERVICES GROUP
1295 FRANKLIN BOULEVARD
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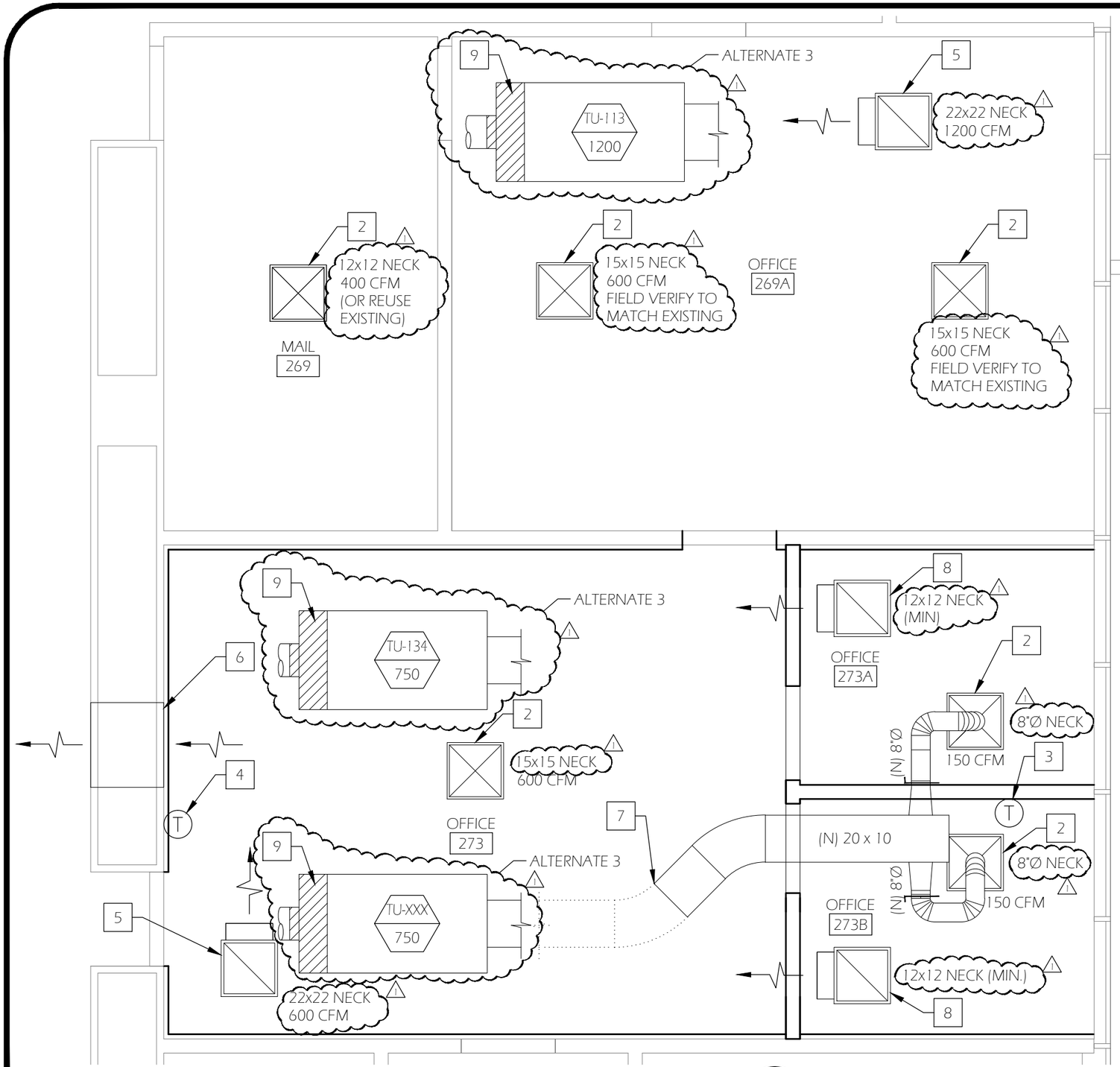
PROJECT NAME:
MOLECULAR BIOLOGY RENOVATION

PROJECT NO.: WK175278
DATE: 01/05/2012
DRAWN BY: MNL DESIGN BY: KS
SCALE: AS NOTED

DRAWING NO.: A104



1 MECHANICAL NEW WORK PLAN

Scale: 1/4" = 1'-0"

GENERAL NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF DIFFUSERS AND GRILLES IN CEILINGS
2. COORDINATE WITH ELECTRICAL CONTRACTOR TO MAINTAIN CLEARANCES FOR TERMINAL. UNIT PIPING AND FILTERS
3. THE LOCATION AND IDENTIFICATION OF DUCTS AND PIPING SHOWN ON THE DRAWINGS IS BASED ON EXISTING RECORD DRAWINGS AND LIMITED FIELD VERIFICATION. THE MECHANICAL CONTRACTOR WILL BE REQUIRED TO FIELD VERIFY THE EXACT LOCATION AND IDENTIFICATION OF EACH SERVICE PRIOR TO STARTING DEMOLITION OR NEW WORK IN THE AREAS UNDER THIS SCOPE OF WORK.
4. BALANCING OF THE AIR SYSTEM WILL BE COMPLETED BY AIR, INC. THROUGH UNIVERSITY OF OREGON. CONTRACTOR WILL INCLUDE TIME TO ASSIST IN THE BALANCING OF THE DUCTWORK SYSTEM IN THE BASE BID.
5. SUPPLY DIFFUSER TO BE TITUS, OR EQUAL, #PAS WITH 24x24 FACE FOR LAY-IN CEILING AND NO OPPOSED BLADE DAMPERS.
6. RETURN GRILLES TO BE TITUS OR EQUAL #PAR WITH 24x24 FACE FOR LAY-IN CEILING AND NO OPPOSED BLADE DAMPER.

KEYED NOTES

1	NOT USED
2	NEW SUPPLY GRILLS
3	NEW THERMOSTAT TO CONTROL 273A AND 273B
4	NEW THERMOSTAT TO CONTROL 273
5	(N) LINED DIFFUSER BOX WITH 20 x 20 SIDE OUTLET WITH NEW RETURN GRILL
6	(N) 36x10 TRANSFER GRILL/DUCT. COORDINATE ELEVATION WITH NEW CEILING HEIGHT
7	CONNECT TO EXISTING 20x10
8	(N) RETURN GRILL WITH LINED DIFFUSER BOX WITH 10x8 MIN. SIDE OUTLET
9	ALTERNATE 3 PROVIDE NEW SHOP FABRICATED PRE-FILTER RACK ON EXISTING T.U. PROVIDE T.U. AND DUCT CLEANING. SEE SPECIFICATIONS 23 3100 & 23 400

General Notes		
1	ADDENDUM 2	01/18/12
No	Revision/Issue	Date

REGISTERED ARCHITECT
KEVIN SPAHN
EUGENE, OREGON
5432
STATE OF OREGON

DRAWING TITLE: MECH. NEW WORK PLAN

UNIVERSITY OF OREGON

DESIGN SERVICES GROUP
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FACILITIES SERVICES
1276 UNIVERSITY OF OREGON
EUGENE, OREGON 97403-1276

PROJECT NAME: MOLECULAR BIOLOGY RENOVATION

PROJECT NO.: WK175278

DATE: 01/05/2012

DRAWN BY: MNL DESIGN BY: KS

SCALE: AS NOTED

DRAWING NO.: M101