State of Utah

GARY R. HERBERT
Governor

GREGORY S. BELL
Lt. Governor

Department of Administrative Services
KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management
DAVID G. BUXTON
Director

ADDENDUM NO. 2

Date: May 6, 2010

To: Contractors

From: Matthias Mueller

Reference: New Residential Life Building
Weber State University – Ogden, Utah
DFCM Project No. 09191810

Subject: **Addendum No. 2**

Pages	Addendum Cover Sheet	1	page
	Architect's Addendum (specs/drawings, etc)	42	pages
	LaSal Hall HazMat Survey/Assessment	96	pages
	Stansbury Hall HazMat Survey/Assessment	104	pages
	Total	243	pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

2.1 SCHEDULE CHANGES: There are no Project Schedule changes.

2.2 GENERAL ITEMS:

2.2.1 See attached Architect's Addendum No. 2 dated May 5, 2010.
2.2.2 LaSal Hall HazMat Survey/Assessment dated February 22, 2010
2.2.3 Stansbury Hall HazMat Survey/Assessment dated February 22, 2010

MHTN
ARCHITECTS

Addendum No. Two
for the
Weber State University
New Residential Life Building
DFCM Project No. 09191810
MHTN Project No. 2009566

All Contractors submitting proposals on the above captioned project shall be governed by the following addendum, changes and explanations to the construction documents dated April 27, 2010 and shall submit information in accordance therewith:

For Clarification: the following questions are addressed

A2.1 **Tour of the Project Site:** WSU personnel will conduct a one-hour tour to see the LaSal Hall and Stansbury Hall buildings for demolition review on Friday, May 7, 2010 at 9:00 am. Attendees should park in the lot east of Wasatch Hall, and meet at LaSal Hall. The tour will be led by Bruce Daley of WSU (cell: 801-678-7667).

A2.2 **Question #1:** Will a preliminary HAZ-mat report be available to bid the abatement or will the Owner provide a formal time that abatement companies can inspect the buildings prior to bid?

Answer: The Asbestos, Lead and Hazardous Materials Inspection, Survey and Assessment for the LaSal Hall and Stansbury Hall are included as attachments to this addendum.

A2.3 **Question #2:** Will the HAZ-mat abatement be DAQ or OSHA classified?

Answer: The abatement effort must meet all federal, state and local requirements.

A2.4 **Question #3:** Are there any issues with the metal wall panels being installed over 1.5” rigid insulation?

Answer: In the absence of a specific question no answer is given. The panel installation must meet all specified performance criteria and the noted warranty.

A2.5 **Question #4:** Per C5/AE503, are the metal wall panels structurally able to support the sun shades?

Answer: The support for the sun shades is behind the metal wall panel.

A2.6 **Question #5:** Are the metal wall panels to be designed with the Z clips or around the shade installation Z clips?

Answer: The support for the sun shades is behind the metal wall panel.

A2.7 **Question #6:** Per section 074243, 2.6, A, this section calls for a dry-joint system. Detail AE-501/A1, appears to detail a wet-joint system. Please clarify.

Answer: The sealant was inadvertently deleted from the details and should be included.

A2.8 **Question #7:** Please clarify the connection details of the curtain wall/aluminum window systems at the building "kinks" ? (see details C2, C3, B2 / AE 501 for example)

Answer: In the absence of a specific question no answer is given.

A2.9 **Question #8:** There is no "Plumbing" specification for the solar collectors nor are they shown on the Mechanical roof plans however this system is shown on the Plumbing roof plan and specified in the HVAC section 235500, should we comingle these scopes of work or will clarification be given to define individual responsibility?

Answer: Section 235500 - Solar Energy Devices has been deleted. Section 224450 - Plumbing Equipment has been revised in its entirety to include the Solar Collectors - See attached.

A2.10 **Question #9:** Will a building exterior mock up detail be provided in the Construction Documents? (see 011000-1, 1.2, C)

Answer: No detail will be provided. Refer to the attached Section 019116 - BUILDING ENVELOPE TEST PROTOCOL.

A2.11 **Question #10:** Sheet CU-300 has a note which states "Contractor also responsible for all Questar fees". We contacted Mike Kuhn with Questar on 5/3/10 and were informed that Questar does not have the design yet, and therefore cannot quote the fees for this project. Please provide direction on how these fees should be determined?

Answer: Mike Kunz with Questar has a copy of the civil gas plans and should be able to determine the fees for the gas work.

A2.12 **Question #11:** Please confirm that this project is exempt from sales tax.

Answer: As a state agency, sales taxes are not applicable.

A2.13 **Question #12:** In reference to the Geotechnical Study, Section 4.2, it states there is up to 6.5' of non-engineered fill. However, the Boring log shows 7.5' of non engineered fill. Shall we assume the Log is correct?

Answer: Section 4.2 does not say "there is up to 6.5' of non-engineered fill." It states that non-engineered fills were encountered "to depths of six and one-half feet and two feet, respectively," in Borings B-1 and B-2. There could be areas across the site where the fills are deeper.

The fill interface in Boring B-1 is shown at seven and one-half feet. Eighteen inches samples were taken at five to six and one-half feet and seven and one-half to nine feet. Based upon field data, we projected the interface between the fills and natural soil to be at seven and one-half feet. The log should be considered correct.

Please also reference to page 6 of our report "The lines designating the interface between soil types on the boring logs generally represent approximate boundaries. In-situ, the transition between soil types may be gradual."

A2.14 **Question #13:** Boring B4 shows 7' of non-recovery materials. Is it possible this is non-engineered fill? A possible solution to this lack of information would be to add a unit price on the base bid for removal of non-structural materials and import and placement of a granular barrow material per cubic yard.

Answer: Boring B-4 does not indicate "7' of non-recovery materials". The sample at five to six and one-half feet was not recovered. The drilling team immediately drilled to seven feet and recovered a full sample from seven to eight and one-half feet. The sample above and below the

"no recovery" sample are logged as natural silty clays. The sequence from approximately 0.8 feet to 14.0 feet consists of natural silty clays.

A2.15 **Question #14:** Boring B3 shows mottling. Is it possible there is could be a pinhole material? If the material is a pinhole type material, it would then a high risk material for collapse.

Answer: "Light mottling" is in reference to coloring. There was no evidence of potentially collapse soils at the boring locations.

A2.16 **Question #15:** Should the rock retaining wall have 140N and perforated pipe behind the wall, due to all the perched water onsite?

Answer: The footing drains will lower the water significantly. The use of the rock wall allows the excess pour water pressure to migrate through the geofabric and daylight around the rocks so a drainage pipe is not required. But make sure the geofabric and sand/gravel are installed.

A2.17 **Question #16:** After reviewing the site grading plans it appears that a portion of the building will sit on imported fill material and a portion will sit on native materials. Verify this is okay.

Answer: The discussions and recommendations presented in our report were developed with the understanding that portions of the building will be underlain by natural soils and other portions by structural fill. If the earthwork and foundation discussions and recommendations presented in our report are followed. This is acceptable.

A2.18 **Question #17:** Dump fees on the Alternate demo,: It is not possible to get dump fees for the. Will the DFCM allow a cost adjustment in 2011 if the prices of dump fees are shown for 2010 and backed-up with an invoice?

Answer: The Contractor shall coordinate the dump fees with their dump facility.

Changes to the Project Manual:

A2.19 SECTION 012200 - UNIT PRICES

A. Section 012200 - UNIT PRICES is incorporated into the Project Manual as an attachment to this Addendum.

A2.20 SECTION 019116 - BUILDING ENVELOPE TEST PROTOCOL

A. Section 019116 - BUILDING ENVELOPE TEST PROTOCOL is replaced in its entirety as an attachment to this Addendum.

A2.21 SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK

A. Paragraph 1.2.A, add the following:

" 4. Plastic Laminate Paneling in Public toilet rooms."

B. Paragraph 2.1.G, Adhesive for Plastic Laminate: containing no additional urea formaldehyde, and as recommended by fabricator

C. Add Article 2.9 PLASTIC LAMINATE PANELING as follows:

2.9 PLASTIC LAMINATE PANELING

A. General: High Pressure Decorative Laminate sheets adhesive mounted to wall substrates in areas shown..

1. Surface Finish: **Smooth – Color Pattern As selected by Architect from manufacturer's full range**.
1. Laminating Adhesive: Manufacturers standard adhesive that does not contain urea formaldehyde.

B ACCESSORIES

1. Trim Accessories: one-piece aluminum extrusions designed to retain and cover edges of panels . Provide division bars, inside corners, **outside corners,** and caps as needed to conceal edges.
   a. Color: As selected by Architect from manufacturer's full range.

2. Adhesive: As recommended by plastic laminate manufacturer.

   a. VOC Content: **50** g/L or less .

3. Sealant: **Single-component, mildew-resistant, neutral-curing silicone** recommended by manufacturer and complying with requirements in Division 07 Section "Joint Sealants."

   a. VOC Content: **250** g/L or less .

D. Add Paragraph 3.2. F as follows:

"F. Plastic Laminate Paneling: Install panels in full spread of adhesive

1 Install trim accessories with **adhesive and mechanical fastening Do not fasten through panels.**

2. Fill grooves in trim accessories with sealant before installing panels and bed inside corner trim in a bead of sealant.
3. Remove excess sealant and smears as paneling is installed. Clean with solvent recommended by sealant manufacturer and then wipe with clean dry cloths until no residue remains.

A2.22 SECTION 075419 - THERMOPLASTIC MEMBRANE ROOFING

A. Paragraph 2.2.A, add the following Manufacturer:

" Johns Manville."

A2.23 SECTION 084113 - ALUMINUM ENTRANCES AND STOREFRONTS

A. Paragraph 2.1.A, add the following Manufacturer:

" 7. Manko Window Systems, Inc."

A2.24 SECTION 084413 - GLAZED ALUMINUM CURTAIN WALLS

A. Paragraph 2.1.B, add the following Manufacturer:

" 9. Manko Window Systems, Inc."

A2.25 SECTION 085113 - ALUMINUM WINDOWS

A. Paragraph 1.4.B.2 revise Performance Grade to C-HC-40

B. Paragraph 2.1.A.1, add the following Manufacturer:

" h. Manko Window Systems, Inc."

C. Paragraph 2.1.B, revise Design standard to read as follows:

"B. Design Standard: Kawneer Glass Vent zero sight line project out window."

D. Paragraph 2.5.A.1 revise to C-HC40

A2.26 DIVISION 21, 22 AND 23

A. See attached Addendum No. 2 from Colvin Engineering, dated May 5, 2010.

A2.27 SECTION 312000 - EARTH MOVING

A. Paragraph 1.4.A, Delete Item 4 Geofoam.

B. Article 3.14, Delete Article 3.14 GEOFOAM FILL.

Changes to the Drawings:

A2.28 Structural Drawings

A. See attached Addendum No. 2 from ARW Engineers, dated May 5, 2010.

A2.29 Sheet LI101

A. Keynote 42 shall be revised to read:
" 42 Remodel the existing irrigation system this area as required to provide 100% coverage between the new and existing system.

A2.30 Sheet LI501

A. The aluminum enclosure for the filter shall be a custom sized backflow enclosure. Enclosure shall be weather and vandal resistant, manufactured of marine grade aluminum alloy 5052-H32 with a wall thickness of a minimum of 1/8". The mounting base shall be stainless steel. The main housing shall be of solid sheet construction with a minimum R-6 insulation on the top and sides. The enclosure shall have mounting brackets and a locking mechanism to meet the campus standard enclosure.

A2.31 Sheet AE101A

A. The Space east of the vending machines is identified as Games 101A. See attached Sheet AE101A.

A2.32 Sheet AE103A

A. The closet within RA Suite 332 has been renumbered to be Closet 332C.

B. Window Type 20 identifier has been added to the Enlarged Plan. See attached Sheet AE103A.

A2.33 Sheet AE304

A. Wall Section 2/AE304 has been revised to show the aluminum sun shade system at the head of the window system. See attached Sheet AE304.

A2.34 Sheet AE503

A. Detail C4/AE503 has been revised to show the aluminum sun shade system at the head of the window system. See attached Sheet AE503.

A2.35 Finish Schedules Sheets AE605, AE606, AE607 and AE608

A. Finishes have been revised. See attached Sheets AE605, AE606, AE607 and AE608.

A2.36 Mechanical Drawings

A. See attached Addendum No. 2 from Colvin Engineering, dated May 5, 2010.

A2.37 Electrical Drawings

A. See attached Addendum No. 2 from ECE, dated May 5, 2010.

Attachments:
Section 012200 - UNIT PRICES, 2 pages
Section 019116 - BUILDING ENVELOPE TEST PROTOCOL, 5 pages
Section 224450 - PLUMBING EQUIPMENT, 6 pages

Drawing Sheets: SG601, SB001, SB101A, SF102A, SF102B, SF103A, SF103B, AE101A, AE103A, AE304, AE503, AE605, AE606, AE607, AE608, and MH101A

Structural Addendum No. 2 from ARW Engineers, 1 page
Mechanical Addendum No. 2 from Colvin Engineering, 2 pages
Electrical Addendum No. 2 from ECE, 2 pages

Supplemental Drawings: AD02-E01 and AD02-E02

Asbestos, Lead and Hazardous Materials Inspection, Survey and Assessment for LaSal Hall, dated February 22, 2010, 96 pages

Asbestos, Lead and Hazardous Materials Inspection, Survey and Assessment for Stansbury Hall, dated February 22, 2010, 104 pages

End of Addendum No. 2

ADDENDUM #2

Project: WSU New Residential Life Building **Project No.:** 09298
Location: Ogden, Utah **Date:** 5 May 10
Addendum by: Jeremy Achter, S.E.

Sheet SG601
-The masonry jamb schedule has been revised. Please see the attached revised sheet.

Sheet SB001
-Masonry jamb callouts have been revised. Please see the attached revised sheet.

Sheet SB101A
-Masonry jamb callouts have been revised. Please see the attached revised sheet.

Sheet SF102A
-A masonry jamb callout has been revised. Please see the attached revised sheet.

Sheet SF102B
-Masonry jamb callouts have been revised. Please see the attached revised sheet.

Sheet SF103A
-Masonry jamb and masonry wall callouts have been revised. Please see the attached revised sheet.

Sheet SF103B
-Masonry wall callouts have been revised. Please see the attached revised sheet.

Filing:(x) project file () other
WSU Res. Life_Struct ADD02_050510

ECE
ELECTRICAL CONSULTING ENGINEERS

Addendum No. Two
for the
Weber State University New Residential Life Building
Construction Documents
DFCM Project No. 09191810

All Contractors submitting proposals on the above captioned project shall be governed by the following addendum, changes and explanations to the bidding documents dated 27 April, 2010 and shall submit their bids in accordance therewith:

CHANGES TO THE DRAWINGS: IN ORDER AS FOLLOWS:

E2.1 SHEET EE004

1. Refer to the attached drawing for revisions to the Mechanical Equipment Schedule. **See AD02-E01.**

E2.2 SHEET EE008

1. Panel "M", circuit 22 change to 70A, 3-pole circuit breaker for pump P-4.
2. Panel "M", circuit 27 change to 70A, 3-pole circuit breaker for pump P-5.

E2.3 SHEET ES101

1. Refer to the attached drawing for revisions to the site plan. **See AD02-E02.**

E2.4 SHEET EL101A

1. Tie the exterior under canopy T-12 light fixtures and the exterior wall mounted T-10 light fixtures to lighting circuit "ELP-30" through the time clock indicated in reference note.
2. Furnish and install an 8-pole time clock with photo cell (LCD CAT. # GR1408LT/PLO) in the electrical room next to panel "ELP". Install the photocell on the exterior of North wall. Coordinate the exact location with the Architect and Owner prior to rough in. Program the time clock per WSU requirements.
3. Refer to the following note for occupancy sensor in Entry 100A: "Furnish and install a dual technology occupancy sensor complete with integral power pack and light level sensor in the approximate location shown (Wattstopper type DT355 or approved equal). Tie the light futures in the vestibule through the motion sensor & photocell. Refer to the manufacturers wiring diagram for more information. Provide conduit & conductors for a complete installation."

E2.5 SHEET EL101B

1. Tie the exterior wall mounted T-10 light fixture to the emergency lighting circuit "ELP-30" through the time clock indicated in reference note.

E2.6 SHEET EL102A

1. Refer to note #8 on EL103A for the motion sensor in Lounge 203, Lounge 301 adjacent to the stair and for the motion sensor in Stair 199B, 199C, 299B, 299C & 399B.
2. Tie the exterior under canopy T-12 light fixtures to lighting circuit "ELP-30" through the time clock indicated in reference note.

E2.7 SHEET EL103B

1. Light fixtures in Stair 399B shall be T-3 type.

E2.8 SHEET EP101A

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ECE
ELECTRICAL CONSULTING ENGINEERS

1. In the typical Mechanical Room Layout, change the callout "Panel Schedules" to "Panel Clearance"

E1.9 SHEET EP103A

1. Refer to note #1 for all voice/data outlets in Dining 329.

E1.10 SHEET EY101A

1. Tie the new F/S damper located in 18" x 10" duct above door into Unisex 128 to circuit 1P2-6 through the fire alarm system. Refer to note #11 for more information.
2. The doors to IDF 328 shall have a card reader, door contacts similar to IDF 228. Refer to note #6 for more information.
3. Door 199D is being provided with electronic request to exit hardware and power transfer hinge. Refer to note #5 for more information.
4. Revise reference note #5 as follows: "Furnish and install j-box & raceway to the door contact, exit device and power transfer hinge for the security door. Run a 3/4" conduit from j-box to the security panel in the MDF room. Refer to the security door details for more information."

E1.11 SHEET EY101B

1. Door 199A is being provided with electronic request to exit hardware and power transfer hinge. Refer to note #2 for more information.
2. Revise reference note #5 as follows: "Furnish and install j-box & raceway to the door contact, exit device and power transfer hinge for the security door. Run a 3/4" conduit from j-box to the security panel in the MDF room. Refer to the security door details for more information."

END OF ADDENDUM No. 2

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Colvin Engineering Associates, Inc.
HIGH PERFORMANCE DESIGN

MECHANICAL ADDENDUM NO. 2

WSU New Residential Life Bldg, Ogden UT

CEA PROJECT NO. 2009-086.00

May 5, 2010

All contractors submitting proposals for this project shall be governed by the following addendum, changes, and explanations to the bidding documents. Bids shall be submitted in accordance with the following:

Item No.	Add, Delete or Clarify	Specification Section or Drawing No.	Reference / Description:
1	Clarify	235500	Deleted section and moved Solar Equipment to Section 224450.
2	Clarify	230900	(FMS) Facility Management System is the same system as (BMS) Building Management System.
3	Clarify	230900	1.6, Responsibility matrix, change Div. 15 to 23 & Div. 16 to 26.
4	Clarify	230900	Change all references of Butterfly Valve to Ball Valve
5	Add	MH101A	Add Fire/Smoke Damper to West Wall of Men's 128..

PRODUCT SUBSTITUTIONS / PRIOR APPROVALS

Item No.	Product Type	Alternate Manufacturers
1	Electronic Controls	Utah Yamas Controls
2	Linear Slot Diffusers, Fire, Smoke, Fire/Smoke, Control Dampers	Nailor
3	Electric Cabinet Heaters, Radiant Ceiling Panels, Unit Heaters	Redd-I (TPI)
4	Cabinet Heaters	Beacon-Morris
5	Condenser Water Treatment Equipment	Griswold
6	Flex Duct	Quietflex (www.quietflex.com)
7	Storage Tank ST-1	Ace/Ajax, Wessels
8	Expansion Joints	Twin City Hose
9	Cassette Style Ductless Splits	Sanyo
10	Lined Prefabricated Chimney	Ampco

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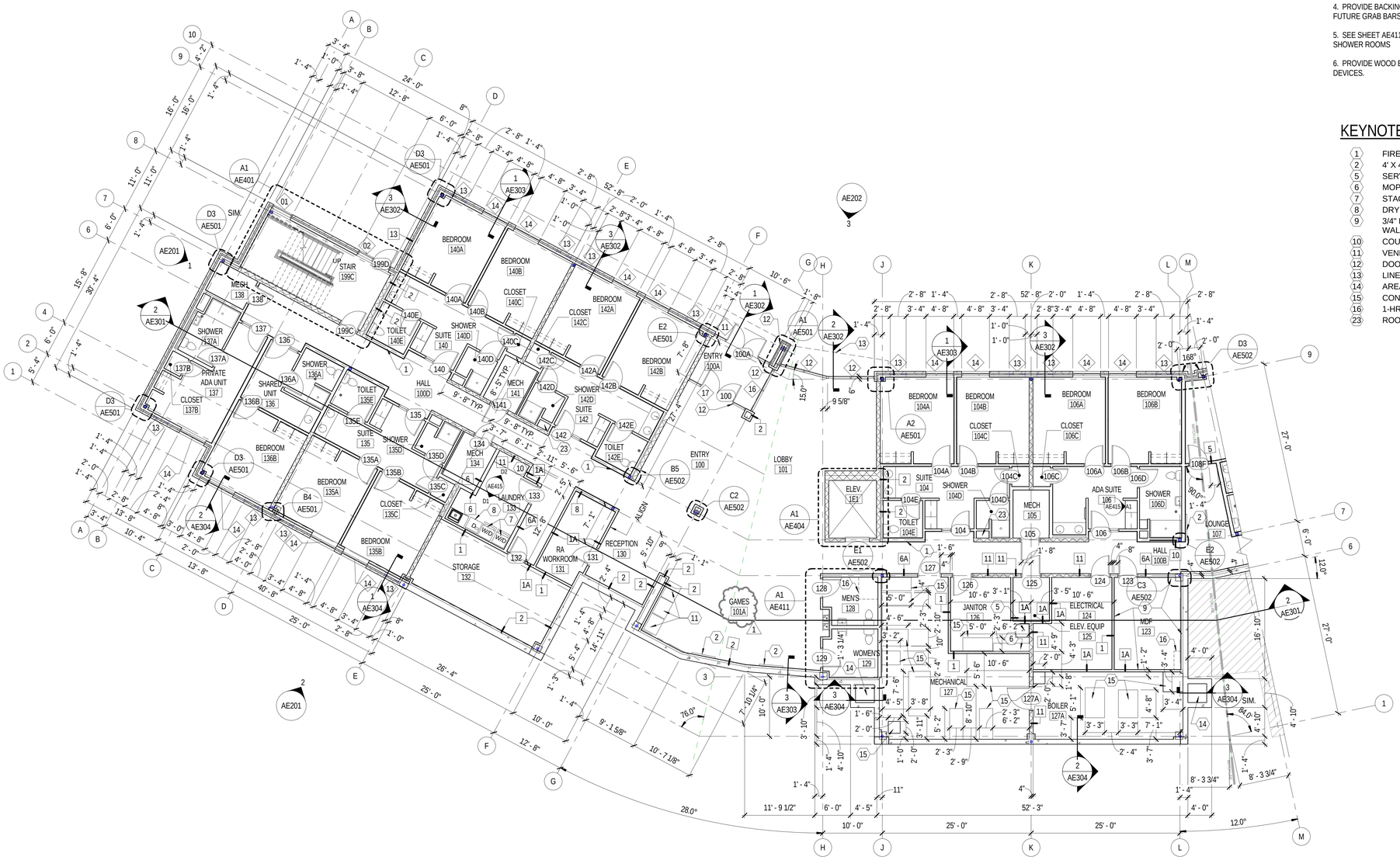
HVAC / Energy Efficient Solutions / CFD Modeling / Air Pollution Control
244 West 300 North, Suite 200 / Salt Lake City, Utah 84103-1147 / 801.322.2400 / FAX 801.322.2416

11	Fire Protection	Vanguard Fire Protection

The above named alternate equipment manufacturers stand approved in name only. Approval here in no way relieves the supplier from complying with all other engineering, weight spatial, and quality requirements of equipment indicated in the contract documents. Contractors using products from the above named alternate manufacturers shall refer to Specification Section 15010 for detailed contractor responsibilities related to the use of alternate brands not used as the Basis of Design.

END OF ADDENDUM NO. 2

HVAC / Energy Efficient Solutions / CFD Modeling / Air Pollution Control
244 West 300 North, Suite 200 / Salt Lake City, Utah 84103-1147 / 801.322.2400 / FAX 801.322.2416



1 LEVEL 1 FLOOR PLAN - AREA 'A'

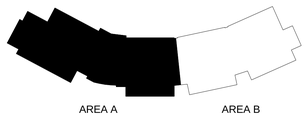
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. PLAN DIMENSIONS ARE TO FACE OF STUD, CMU, BRICK OR CONCRETE U.N.O.
2. REFER TO SHEETS AE001 AND GI002 FOR LOCATION OF FIRE RATED WALLS AND OTHER CODE AND LIFE SAFETY REQUIREMENTS.
3. SEE ENLARGED PLANS FOR PARTITION TYPE LOCATIONS
4. PROVIDE BACKING FOR WALL MOUNTED ITEMS, EQUIPMENT, CABINETS, AND FUTURE GRAB BARS, ETC. RE: ARCH, MECH & ELECT. SHEETS.
5. SEE SHEET AE411 FOR ENLARGED PLANS OF THE SUITE ENTRY / TOILET / SHOWER ROOMS
6. PROVIDE WOOD BLOCKING AT ALL WALL STOPS AND MAGNETIC HOLD OPEN DEVICES.

KEYNOTES

1. FIRE EXTINGUISHER CABINET
2. 4' X 4' TACKBOARD
5. SERVICE SINK
6. MOP HOLDER RACK AND SHELF (4'-0" LONG)
7. STACKED WASHER AND DRYER (N.I.C.)
8. DRYER (N.I.C.)
9. 3/4" FIRE TREATED PLYWOOD (4'-0" TALL), MOUNT ON WALL AT 3'-0" AFF
10. COUNTER TOP WITH WALL BRACKETS
11. VENDING MACHINE (N.I.C.)
12. DOOR OPERATOR ACTUATOR
13. LINE OF STRUCTURE ABOVE
14. AREAWAY WITH BAR GRATING
15. CONCRETE HOUSEKEEPING PADS
16. 1-HR CHASE ABOVE
23. ROOF DRAIN PLUMBING CHASE



KEY PLAN

MHTN ARCHITECTS
MHTN Architects, Inc.
420 East South Temple
Suite 100
Salt Lake City, Utah 84111
Telephone (801) 595-6700
Telefax (801) 595-6717
www.mhtn.com

WEBER STATE UNIVERSITY
NEW RESIDENTIAL LIFE BUILDING

DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408

SEAL

STATE OF UTAH
MICHAEL GAVIGLIO
4920978-0301
4-27-10
LICENSED ARCHITECT

MHTN PROJECT NO. 2009566.00

DRAWN BY: NW CHECKED BY: MG

ISSUED:

NO.	DATE	DESCRIPTION
1	29 MAR 2010	CONSTRUCTION DOCUMENTS
2	20 APR 2010	STATE REVIEW COMMENTS
3	27 APR 2010	CONSTRUCTION BID DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	05 MAY 2010	ADDENDUM #2

SHEET NAME

LEVEL 1 FLOOR PLAN - AREA 'A'

CONSTRUCTION BID DOCUMENTS
27 APRIL 2010

SHEET NUMBER

AE101A

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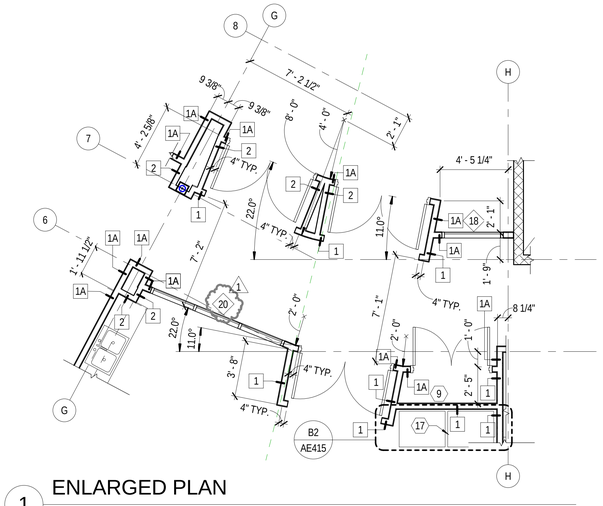
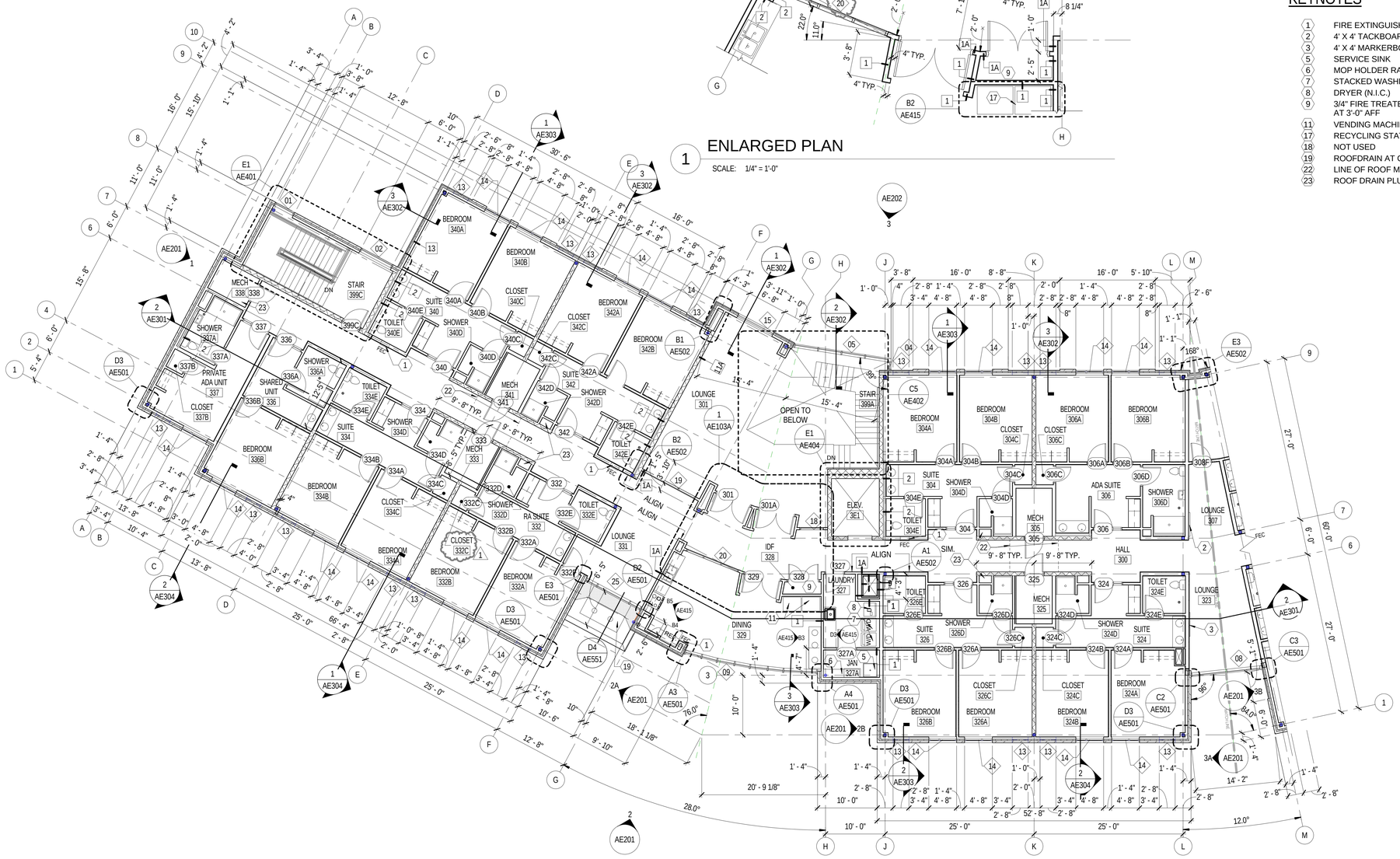


1 ENLARGED PLAN

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



2 LEVEL 3 FLOOR PLAN - AREA 'A'

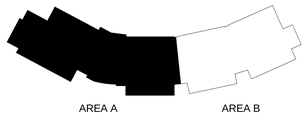
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. PLAN DIMENSIONS ARE TO FACE OF STUD, CMU, BRICK OR CONCRETE U.N.O.
2. REFER TO SHEETS AE001 AND GI002 FOR LOCATION OF FIRE RATED WALLS AND OTHER CODE AND LIFE SAFETY REQUIREMENTS.
3. SEE ENLARGED PLANS FOR PARTITION TYPE LOCATIONS
4. PROVIDE BACKING FOR WALL MOUNTED ITEMS, EQUIPMENT, CABINETS, AND FUTURE GRAB BARS, ETC. RE: ARCH, MECH & ELECT. SHEETS.
5. SEE SHEET AE411 FOR ENLARGED PLANS OF THE SUITE ENTRY / TOILET / SHOWER ROOMS
6. PROVIDE WOOD BLOCKING AT ALL WALL STOPS AND MAGNETIC HOLD OPEN DEVICES.

KEYNOTES

1. FIRE EXTINGUISHER CABINET
2. 4' X 4' TACKBOARD
3. 4' X 4' MARKERBOARD
5. SERVICE SINK
6. MOP HOLDER RACK AND SHELF (4'-0" LONG)
7. STACKED WASHER AND DRYER (N.I.C.)
8. DRYER (N.I.C.)
9. 3/4" FIRE TREATED PLYWOOD (4'-0" TALL), MOUNT ON WALL AT 3'-0" AFF
11. VENDING MACHINE (N.I.C.)
17. RECYCLING STATION
18. NOT USED
19. ROOFDRAIN AT CANOPY
22. LINE OF ROOF MONITOR ABOVE, RE: D1/AE503
23. ROOF DRAIN PLUMBING CHASE



KEY PLAN

MHTN ARCHITECTS

MHTN Architects, Inc.
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WEBER STATE UNIVERSITY
NEW RESIDENTIAL LIFE BUILDING

DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408

SEAL

MHTN-PROJECT NO. 2009566.00

DRAWN BY: NW CHECKED BY: MG

ISSUED:

NO.	DATE	DESCRIPTION
1	29 MAR 2010	CONSTRUCTION DOCUMENTS
2	20 APR 2010	STATE REVIEW COMMENTS
3	27 APR 2010	CONSTRUCTION BID DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	05 MAY 2010	ADDENDUM #2

SHEET NAME

LEVEL 3 FLOOR PLAN - AREA 'A'

CONSTRUCTION BID DOCUMENTS
27 APRIL 2010

SHEET NUMBER

AE103A

C:\Users\Bobby\SDocuments\A10_2009566-WSU-RESIDENTIAL-LIFE_CENTRAL_Bobby5.rvt
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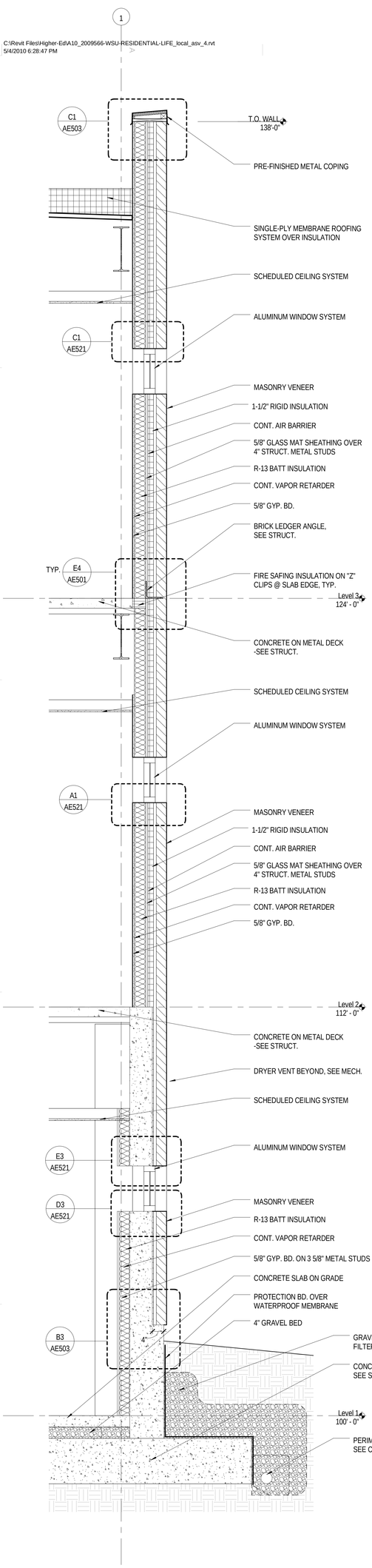

1 WALL SECTION
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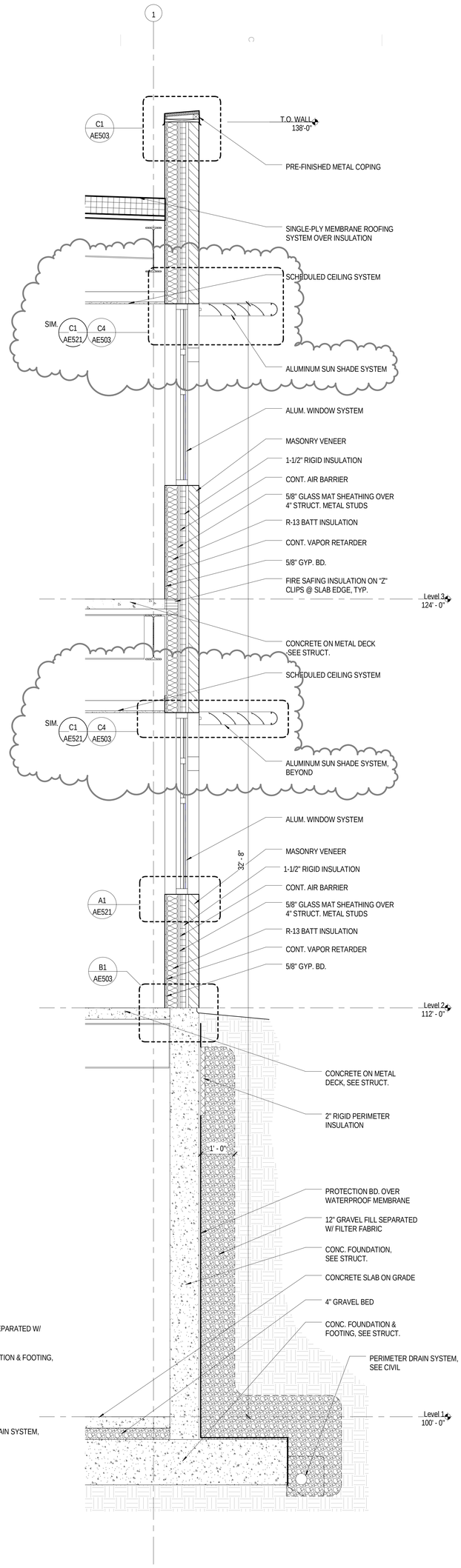

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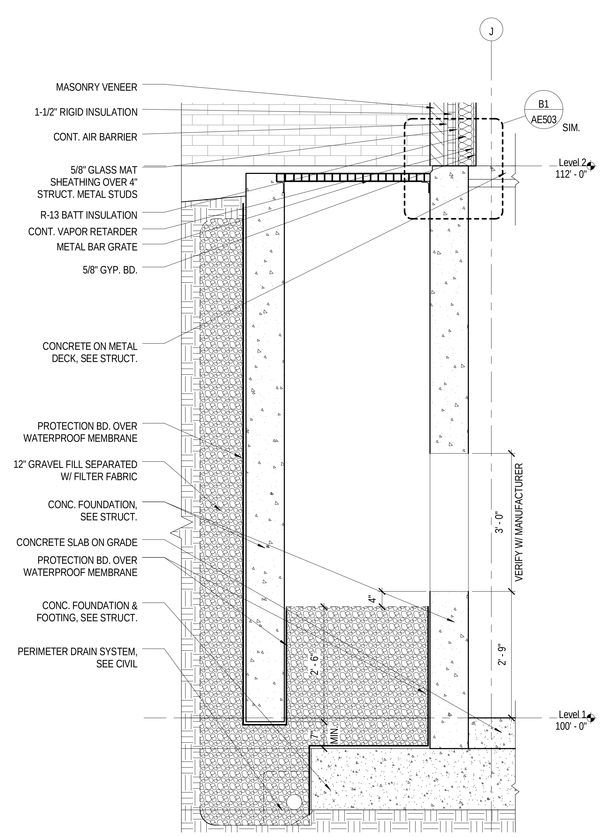

3 WALL SECTION
SCALE: 3/4" = 1'-0"

GENERAL NOTES

1. PROVIDE AIR BARRIER AT THE EXTERIOR OF GLASS MAT SHEATHING, TYP., FLASHED TO WALL OPENINGS AND TIED TO ROOF MEMBRANE.

2. PROVIDE VAPOR RETARDER AT INSIDE FACE OF STRUCTURAL STUD, TYP., TAPE ALL JOINTS AND PENETRATIONS.

3. PROVIDE WEEP HOLES IN BRICK VENEER AT 16" O.C. TYP. ABOVE ALL OPENINGS AND AT SHELF ANGLES.

4. BATT INSULATION AT WALLS SHALL BE R=13.

5. ABOVE DECK ROOF INSULATION SHALL BE R=35.

6. PROVIDE FOUNDATION DRAIN AT PERIMETER OF AREA WHERE FINISH FLOOR IS BELOW GRADE. REFER TO CIVIL FOR ELEVATIONS.

7. REFER TO REFLECTED CEILING PLANS FOR SCHEDULED CEILING INFORMATION.

8. REFER TO FLOOR PLANS FOR WINDOW SCHEDULE/ WINDOW TYPE DESIGNATIONS. REFER TO AE611 & AE612 FOR WINDOW TYPES.

9. REFER TO LIFE SAFETY PLAN SHEETS FOR EXTENT OF FIRE RATED EXTERIOR WALLS.

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STATE OF UTAH
MICHAEL G. GAVIGLIO
492978-0240
4-27-10
LICENSED ARCHITECT

SEAL

MHTN PROJECT NO. 2009566.00
DRAWN BY: AV CHECKED BY: MG
ISSUED:

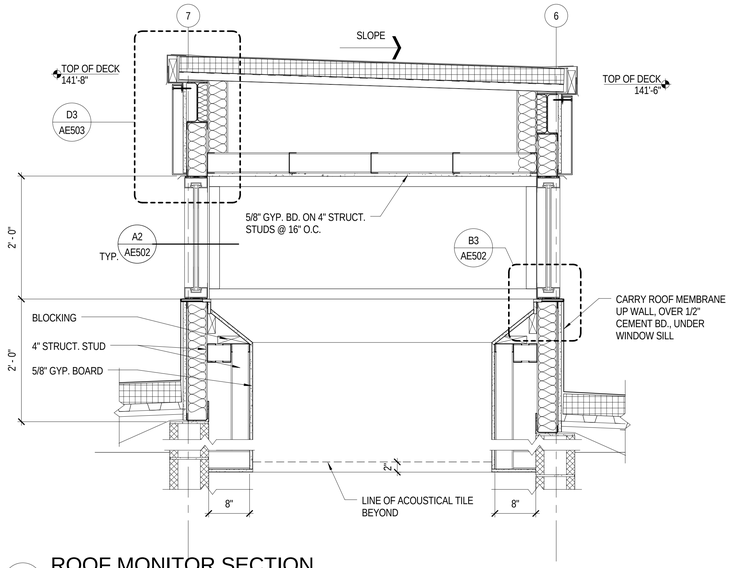
NO.	DATE	DESCRIPTION
1	26 MAR 2010	CONSTRUCTION DOCUMENTS
2	27 APR 2010	CONSTRUCTION DOCUMENTS
3	27 APR 2010	CONSTRUCTION DOCUMENTS

REVISIONS:
CONTRACTOR TO VERIFY DIMENSIONS IN FIELD. USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	05 MAY 2010	ADDENDUM #2

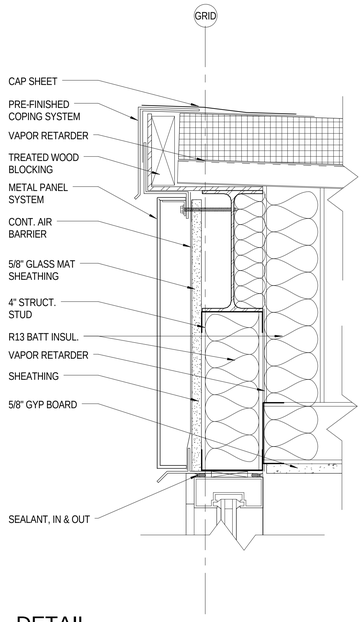
SHEET NAME
WALL SECTIONS

CONSTRUCTION BID DOCUMENTS
27 APRIL 2010
SHEET NUMBER
AE304



D1 ROOF MONITOR SECTION

SCALE: 1" = 1'-0"



D3 DETAIL

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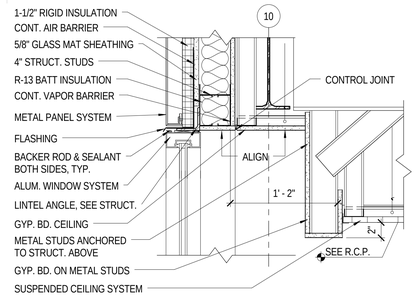

E4 DETAIL

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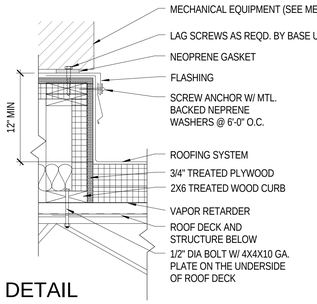

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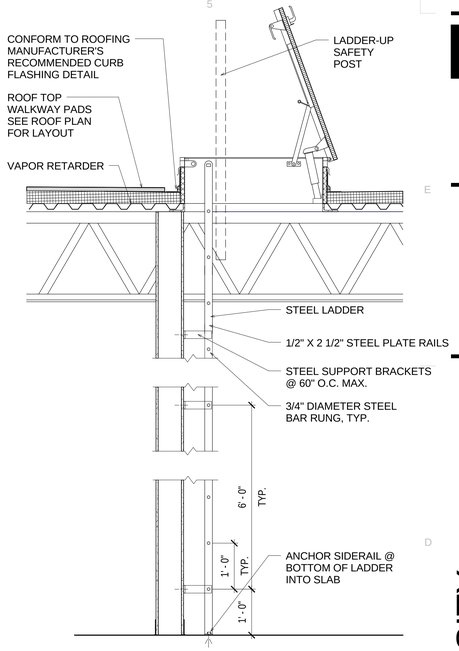

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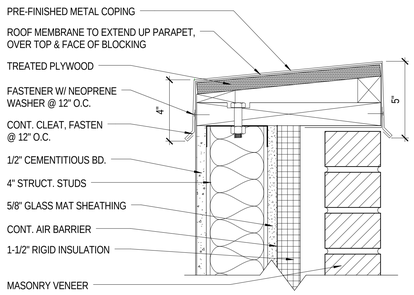

C1 DETAIL

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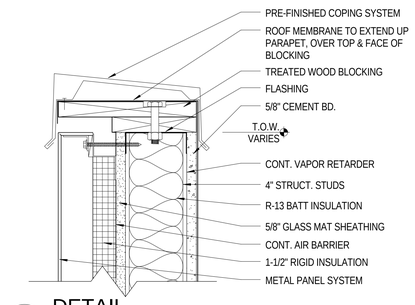

C2 DETAIL

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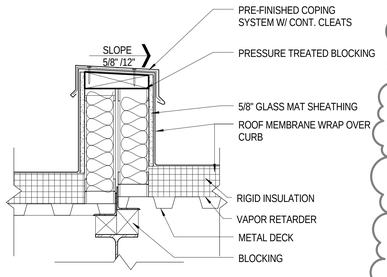

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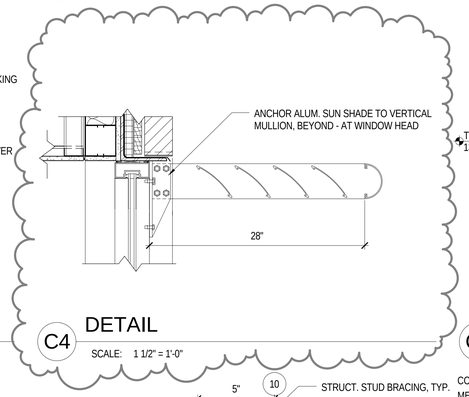

C4 DETAIL

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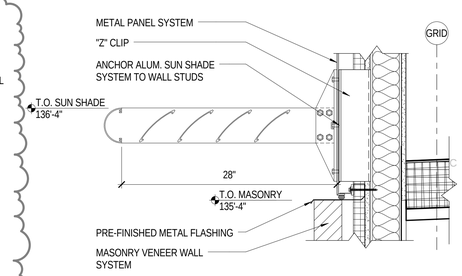

C5 DETAIL

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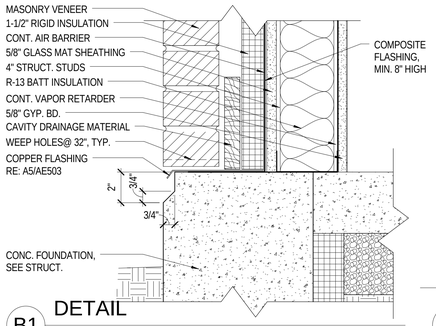

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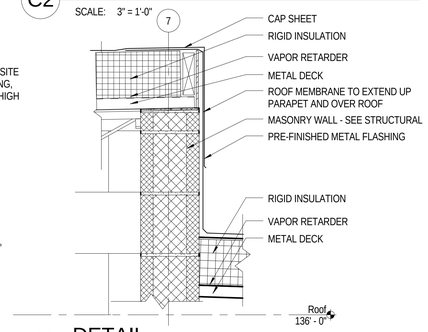

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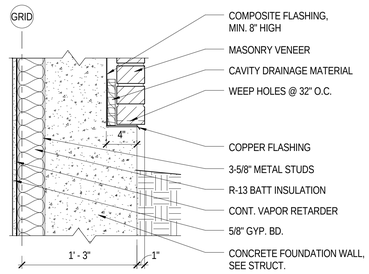

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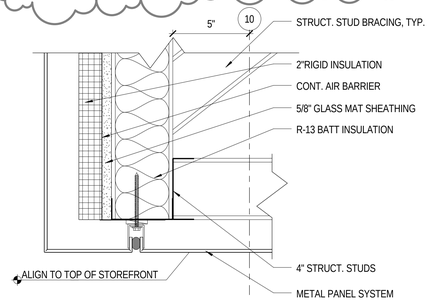

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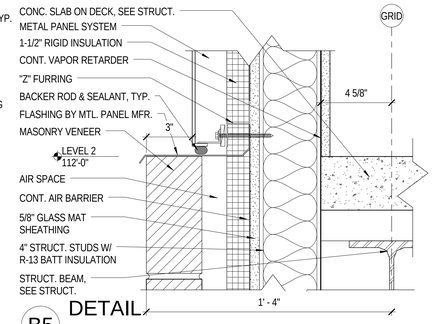

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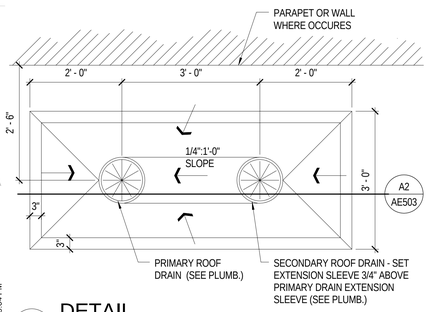
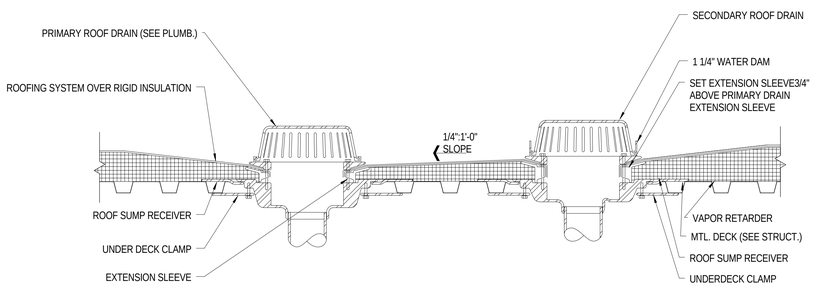


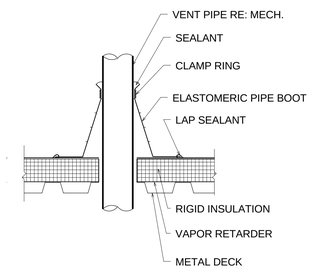
A1 DETAIL

SCALE: 3/4" = 1'-0"



A2 DETAIL

SCALE: 1 1/2" = 1'-0"



A4 DETAIL

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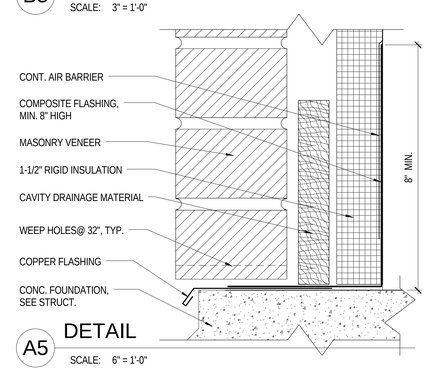

A5 DETAIL

SCALE: 6" = 1'-0"

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SEAL

STATE OF UTAH MICHAEL GAVIGLIO 4920978-0301 4-27-10 LICENSED ARCHITECT

MHTN PROJECT NO. 2009566.00

DRAWN BY: ASV CHECKED BY: MG

ISSUED:

NO.	DATE	DESCRIPTION
1	29 MAR 2010	CONSTRUCTION DOCUMENTS
2	20 APR 2010	STATE REVIEW COMMENTS
3	27 APR 2010	CONSTRUCTION BID DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE

NO.	DATE	DESCRIPTION
1	05 MAY 2010	ADDENDUM #2

SHEET NAME

DETAILS

CONSTRUCTION BID DOCUMENTS
27 APRIL 2010

SHEET NUMBER

AE503

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FINISH SCHEDULE 1

RM #	ROOM NAME	FLOOR: F1 CARPET TILE	F2 CARPET TILE	F3 CARPET TILE RANDOM	F4 LINOLEUM SHEET FLOORING	F5 RESILIENT TERRAZZO TILE	F6 SEALED CONCRETE	F7 WALK-OFF MAT	F8 INTEGRAL STAIR TREADS & RISERS	BASE: B1 RUBBER BASE	B2 INTEGRAL LINOLEUM BASE	NORTH WALL: W1 PAINT	W2 FRP	W3 CMU	W5 EXPOSED CONCRETE	W6 PLASTIC LAMINATE WAINSCOT	EAST WALL: W1 PAINT	W2 FRP	W3 CMU	W5 EXPOSED CONCRETE	W6 PLASTIC LAMINATE WAINSCOT	SOUTH WALL: W1 PAINT	W2 FRP	W3 CMU	W5 EXPOSED CONCRETE	W6 PLASTIC LAMINATE WAINSCOT	WEST WALL: W1 PAINT	W2 FRP	W3 CMU	W5 EXPOSED CONCRETE	CEILING: C1 GYP. BD.	C2 ACT 2' x 2'	C3 ACT 2' x 4'	C4 CURVED METAL	C5 GYP. BD.	C6 OPEN TO STRUCTURE - PAINTED	C7 OPEN TO STRUCTURE - NOT PAINTED	REMARKS	RM #
1E1	ELEV.		F2							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1E1
100	ENTRY		F2	F3						B1		W1					W1			1		W1							W3		C2							W1 @ GYP. BD. COL.	100
100A	ENTRY							F7		B1							W1					W1							W3		C2								100A
100B	HALL		F2							B1		W1, P2		W3			W1					W1, P2		W3			W1				C2								100B
100D	HALL		F2							B1		W1, P2		W3			W1					W1, P2		W3			W1				C2								100D
101	LOBBY		F2	F3						B1		W1							W3					W3			W1				C2								101
101A	GAMES		F2	F3						B1							W1					W1, P2					W1, P2				C2								101A
104	SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									104
104A	BEDROOM	F1								B1		W1					W1					W1					W1		W3	C1									104A
104B	BEDROOM	F1								B1		W1					W1		W3			W1					W1			C1									104B
104C	CLOSET	F1								B1		W1							W3			W1					W1			C1									104C
104D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				104D
104E	TOILET				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				104E
105	MECH						F6			B1		W1					W1					W1					W1										C7		105
106	ADA SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									106
106A	BEDROOM	F1								B1		W1					W1					W1					W1		W3	C1									106A
106B	BEDROOM	F1								B1		W1					W1					W1					W1			C1									106B
106C	CLOSET	F1								B1		W1					W1					W1							W3	C1									106C
106D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				106D
107	LOUNGE		F2	F3						B1		P2					P2					-					P2				C2								107
108	RA SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									108
108A	BEDROOM	F1								B1		W1					W1					W1					W1			C1									108A
108B	BEDROOM	F1								B1		W1					W1		W3			W1					W1			C1									108B
108C	CLOSET	F1								B1		W1							W3			W1					W1			C1									108C
108D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				108D
108E	TOILET				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				108E
109	MECH						F6			B1		W1					W1					W1					W1										C7		109
110	SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									110
110A	BEDROOM	F1								B1		W1					W1					W1					W1		W3	C1									110A
110B	BEDROOM	F1								B1		W1					W1					W1					W1			C1									110B
110C	CLOSET	F1								B1		W1					W1					W1							W3	C1									110C
110D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				110D
110E	TOILET				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				110E
111	LOUNGE		F2	F3						B1		P2					P2					-					P2				C2								111
112	SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									112
112A	BEDROOM	F1								B1		W1					W1					W1					W1			C1									112A
112B	BEDROOM	F1								B1		W1					W1		W3			W1					W1			C1									112B
112C	CLOSET	F1								B1		W1							W3			W1					W1			C1									112C
112D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				112D
112E	TOILET				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				112E
113	MECH						F6			B1		W1					W1					W1					W1										C7		113
114	SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									114
114A	BEDROOM	F1								B1		W1					W1					W1					W1		W3	C1									114A
114B	BEDROOM	F1								B1		W1					W1					W1					W1			C1									114B
114C	CLOSET	F1								B1		W1					W1					W1							W3	C1									114C
114D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				114D
114E	TOILET				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				114E
123	MDF						F6			B1		W1					W1					W1					W1										C7		123
124	ELECTRICAL						F6			B1		W1		W3			W1					W1					W1		W3							C7	STD CMU, NO PAINT	124
125	ELEV. EQUIP						F6			B1				W3			W1					W1					W1									C7		125
126	JANITOR						F6			B1		W1	W2	W3			W1	W2				W1					W1					C3					STD CMU, NO PAINT	126
127	MECHANICAL						F6			B1		W1					W1		W3						W5		W1			W5						C7	STD CMU, NO PAINT	127
127A	BOILER						F6			B1		W1								W5					W5		W1		W3							C7	STD CMU, NO PAINT	127A
128	MEN'S				F4						B2	W1, P5					W1, P5				W6	W1, P5				W6	W1, P5				C2								128
129	WOMEN'S				F4						B2	W1, P5				W6	W1, P5				W6	W1, P5					W1, P5				C2								129
130	RECEPTION		F2	F3						B1							W1, P2					W1, P2					W1				C2								130
131	RA WORKROOM				F4						B2	W1					W1					W1					W1					C3								131
132	STORAGE				F4						B2	W1					W1					W1							W3			C3								132
133	LAUNDRY				F4						B2	W1		W3			W1					W1					W1		W3		C2								133
134	MECH						F6			B1				W3			W1					W1					W1										C7		134
135	SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									135
135A	BEDROOM	F1								B1		W1					W1					W1					W1		W3	C1									135A
135B	BEDROOM	F1								B1		W1					W1		W3			W1					W1			C1									135B
135C	CLOSET	F1								B1		W1							W3			W1					W1			C1									135C
135D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				135D
135E	TOILET				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				135E
136	SHARED UNIT	F1			F4					B1	B2	W1					W1					W1					W1			C1									136
136A	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				136A
136B	BEDROOM	F1								B1		W1					W1		W3			W1					W1			C1									136B
137	PRIVATE ADA UNIT	F1								B1		W1					W1					W1					W1			C1									137
137A	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				137A
137B	CLOSET	F1								B1		W1					W1					W1					W1			C1									137B
138	MECH						F6			B1		W1		W3			W1					W1					W1										C7		138
140	SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									140
140A	BEDROOM	F1								B1		W1					W1					W1					W1			C1									140A
140B	BEDROOM	F1								B1		W1					W1		W3			W1					W1			C1									140B
140C	CLOSET	F1								B1		W1							W3			W1					W1			C1									140C
140D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				140D
140E	TOILET				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				140E
141	MECH						F6			B1		W1					W1					W1		W3			W1										C7		141
142	SUITE	F1			F4					B1	B2	W1					W1					W1					W1			C1									142
142A	BEDROOM	F1								B1		W1					W1					W1					W1		W3	C1									142A
142B	BEDROOM	F1								B1		W1					W1		W3			W1					W1			C1									142B
142C	CLOSET	F1								B1		W1					W1					W1							W3	C1									142C
142D	SHOWER				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				142D
142E	TOILET				F4						B2	W1, P5					W1, P5					W1, P5					W1, P5								C5				142E
199B	STAIR				F4				F8	B1		W1					W1					W1					W1				C2			C6		F4 AT FLOOR LEVEL	199B
199C	STAIR				F4				F8	B1				W3					W3			W1					W1				C2			C6		F4 AT FLOOR LEVEL	199C

REMARK NOTES

1. EXTENT OF F4 IS SHOWN ON SHEET AE411.
2. ALL ROOMS THIS SUITE TO BE FINISHED EARLY AS THE PROJECT MOCK-UP.

FINISH CODE CLEARIFICATION

F6 — LETTER REPRESENTS FINISH TYPE (E.G. FLOORING); NUMBER REPRESENTS SPECIFIC FINISH

W1, P2 — MULTIPLE FINISHES OCCUR IN THE SAME PLANE REFER TO ELEVATIONS, NOTES & FINISH LEGEND FOR MOUNTING HEIGHTS

GENERAL NOTES

1. ALL WINDOW SILLS TO BE SOLID SURFACE.
2. ALL MEN'S, WOMEN'S, TOILET & SHOWER ROOMS TO HAVE EPOXY PAINT.
3. ALL GYPSUM BOARD EXPOSED WALL CORNERS TO HAVE CORNER GUARDS, UNLESS OTHERWISE NOTED.
4. TRANSISTIONS BETWEEN CARPET & LINOLEUM SHEET OR RESILIENT TERRAZZO TILE TO BE RUBBER REDUCER, COLOR: TO BE SELECTED BY ARCHITECT.
5. SEE REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION RE: CEILING TYPE AND CONFIGURATION.
6. PAINT ALL STEEL HANDRAILS, STEEL GUARDRAILS, AND DOOR FRAMES 'P6' UNLESS OTHERWISE NOTED.
7. SEE C1/AE415 FOR ELEVATION OF CORRIDOR WALLS WHERE FIELD PAINT & ACCENT PAINT ARE CALLED OUT TOGETHER.
8. SEE A1, A2/AE541 & B1, C1, & C2/AE415 FOR ENLARGED PLAN OF ENTRY, STUDY & LOUNGE AREAS WHERE MULTIPLE FLOOR FINISHES, FIELD PAINT & ACCENT PAINT ARE CALLED OUT TOGETHER.
9. SEE A3, A4, C1 & C3/AE411 FOR ENLARGED SUITE ENTRY PLANS WHERE MULTIPLE FLOOR FINISHES ARE CALLED OUT TOGETHER.

FINISH LEGEND

FLOOR FINISHES

- F1 — CARPET TILE #1
- F2 — CARPET TILE #2
- F3 — CARPET TILE #3 INSTALLATION: WHEN INDICATED WITH F2, 50/50 RANDOM PLACEMENT
- F4 — LINOLEUM SHEET FLOORING
- F5 — RESILIENT TERRAZZO TILE
- F6 — SEALED CONCRETE
- F7 — WALK-OFF MAT
- F8 — INTEGRAL STAIR TREADS & RISERS WITH MATCHING LANDING TILE AT INTERMEDIATE LANDINGS COLOR: TBD

WALL FINISHES

- W1 — ALL GYPSUM BOARD WALL SURFACES TO BE PAINTED P1, U.N.O.
- P1 — PAINT - FIELD COLOR: TBD
- P2 — PAINT - ACCENT COLOR: TBD
- P3 — PAINT - ACCENT - TBD COLOR: TBD
- P4 — PAINT - ACCENT - TBD COLOR: TBD
- P5 — EPOXY PAINT, FIELD COLOR: TBD
- P6 — PAINT - ACCENT @ CEILING COLOR: TBD
- W2 — FIBERGLASS REINFORCED PANEL (FRP) 48" HIGH SIZE: 4'-0" X 4'-0" @ SINK COLOR: WHITE
- W3 — CMU FINISH: HONED, U.N.O. COLOR: TO BE SELECTED BY ARCHITECT
- W4 — TAPE & BED
- W5 — EXPOSED CONCRETE
- W6 — PLASTIC LAMINATE WAINSCOT SIZE: 48" HIGH X 58" WIDE (BEHIND & ADJACENT TO WATER CLOSET) TO BE M2 U.N.O.

CEILING FINISHES

- C1 — GYPSUM BOARD TO BE PAINTED P1, U.N.O.
- C2 — ACOUSTICAL CEILING TILE SIZE: 2'-0" X 2'-0" COLOR: WHITE
- C3 — ACOUSTICAL CEILING TILE SIZE: 2'-0" X 4'-0" COLOR: WHITE
- C4 — CURVED ACOUSTICAL METAL PANEL TILE SIZE: AS INDICATED ON RCP COLOR: TBD
- C5 — GYPSUM BOARD TO BE PAINTED P5
- C6 — OPEN TO STRUCTURE TO BE PAINTED P6, U.N.O.
- C7 — OPEN TO STRUCTURE NOT PAINTED

BASE FINISHES

- B1 — RUBBER BASE - TBD SIZE: 4" COVE COLOR: TBD
- B2 — INTEGRAL LINOLEUM BASE, 6" HIGH TO COORDINATE WITH F4 CAP W/ METAL TRIM

MISCELLANEOUS FINISHES

- M1 — SOLID SURFACE - TBD COLOR: TBD
- M2 — PLASTIC LAMINATE - TBD COLOR: TBD
- M3 — PLASTIC LAMINATE - TBD COLOR: TBD

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WEBER STATE UNIVERSITY
NEW RESIDENTIAL LIFE BUILDING
DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408

SEAL

STATE OF UTAH — MICHAEL GAVIGLIO — 6920978-0300 — 4-27-10 — LICENSED ARCHITECT

MHTN PROJECT NO. 2009566.00

DRAWN BY: BLS CHECKED BY: MG

ISSUED:

NO.	DATE	DESCRIPTION
1	29 MAR 2010	CONSTRUCTION DOCUMENTS
2	20 APR 2010	STATE REVIEW COMMENTS
3	27 APR 2010	CONSTRUCTION BID DOCUMENTS
4	03 MAY 2010	STATE REVIEW COMMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE:

NO.	DATE	DESCRIPTION
1	05 MAY 2010	ADDENDUM #2

SHEET NAME

FINISH SCHEDULE LEVEL 1

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

AE605

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FINISH SCHEDULE LEVEL 2

RM #	ROOM NAME	FLOOR F1 CARPET TILE	FLOOR F2 CARPET TILE	FLOOR F3 CARPET TILE RANDOM	FLOOR F4 LINOLEUM SHEET FLOORING	FLOOR F5 RESILIENT TERRAZZO TILE	FLOOR F6 SEALED CONCRETE	FLOOR F7 WALK-OFF MAT	FLOOR F8 INTEGRAL STAIR TREADS & RISERS	BASE B1 RUBBER BASE	BASE B2 INTEGRAL LINOLEUM BASE	NORTH WALL W1 PAINT	NORTH WALL W2 FRP	NORTH WALL W3 CMU	EAST WALL W1 PAINT	EAST WALL W2 FRP	EAST WALL W3 CMU	SOUTH WALL W1 PAINT	SOUTH WALL W2 FRP	SOUTH WALL W3 CMU	WEST WALL W1 PAINT	WEST WALL W2 FRP	WEST WALL W3 CMU	CEILING C1 GYP. BD.	CEILING C2 ACT 2' x 2'	CEILING C3 ACT 2' x 4'	CEILING C4 CURVED METAL	CEILING C5 GYP. BD.	CEILING C6 OPEN TO STRUCTURE - PAINTED	CEILING C7 OPEN TO STRUCTURE - NOT PAINTED	REMARKS	RM #
200	HALL		F2							B1		W1, P3		W3	W1			W1, P3		W3	W1				C2							200
200A	ENTRY							F7		B1		-			W1			W1			W1				C2							200A
203	LOUNGE		F2	F3						B1		W1					W3	W1			W1		W3	C1	C2							203
204	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								204
204A	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								204A
204B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								204B
204C	CLOSET	F1								B1		W1					W3	W1			W1			C1								204C
204D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				204D
204E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				204E
205	MECH						F6			B1		W1			W1					W3	W1									C7		205
206	ADA SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								206
206A	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								206A
206B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								206B
206C	CLOSET	F1								B1		W1			W1			W1					W3	C1								206C
206D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				206D
207	LOUNGE		F2	F3						B1		P3			P3			-			P3				C2							207
208	RA SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								208
208A	BEDROOM	F1								B1		W1			W1			W1			W1			C1								208A
208B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								208B
208C	CLOSET	F1								B1		W1					W3	W1			W1			C1								208C
208D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				208D
208E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				208E
209	MECH						F6			B1		W1			W1					W3	W1									C7		209
210	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								210
210A	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								210A
210B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								210B
210C	CLOSET	F1								B1		W1			W1			W1					W3	C1								210C
210D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				210D
210E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				210E
211	LOUNGE		F2	F3						B1		P3			P3			-			P3				C2							211
212	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								212
212A	BEDROOM	F1								B1		W1			W1			W1			W1			C1								212A
212B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								212B
212C	CLOSET	F1								B1		W1					W3	W1			W1			C1								212C
212D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				212D
212E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				212E
213	MECH						F6			B1		W1			W1					W3	W1									C7		213
214	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								214
214A	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								214A
214B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								214B
214C	CLOSET	F1								B1		W1			W1			W1					W3	C1								214C
214D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				214D
214E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				214E
216	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								216
216A	BEDROOM	F1								B1		W1			W1			W1			W1			C1								216A
216B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								216B
216C	CLOSET	F1								B1		W1			W1			W1					W3	C1								216C
216D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				216D
216E	TOILET				F4						B2	W1, P5			W1, P5			W1, P4			W1, P5							C5				216E
217	MECH						F6			B1				W3	W1			W1			W1									C7		217
218	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								218
218A	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								218A
218B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								218B
218C	CLOSET	F1								B1		W1					W3	W1			W1			C1								218C
218D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				218D
218E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				218E
219	STUDY		F2	F3						B1		-	-	-	P3			P3			P3				C2							219
220	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								220
220A	BEDROOM	F1								B1		W1			W1			W1			W1			C1								220A
220B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								220B
220C	CLOSET	F1								B1		W1			W1			W1					W3	C1								220C
220D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				220D
220E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				220E
221	MECH						F6			B1				W3	W1			W1			W1									C7		221
222	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								222
222A	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								222A
222B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								222B
222C	CLOSET	F1								B1		W1					W3	W1			W1			C1								222C
222D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				222D
222E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				222E
223	LOUNGE		F2	F3						B1		-			P3			P3			P3				C2							223
224	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								224
224A	BEDROOM	F1								B1		W1			W1			W1			W1			C1								224A
224B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								224B
224C	CLOSET	F1								B1		W1			W1			W1					W3	C1								224C
224D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				224D
224E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				224E
225	MECH						F6			B1				W3	W1			W1			W1									C7		225
226	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1								226
226A	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								226A
226B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								226B
226C	CLOSET	F1								B1		W1					W3	W1			W1			C1								226C
226D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				226D
226E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				226E
227	LAUNDRY				F4						B2	W1			W1			W1			W1				C2							227
227A	JAN						F6			B1		W1			W1	W2		W1	W2		W1					C3						227A
228	IDF						F6			B1		W1			W1			W1			W1									C7		228
229	DINING					F5				B1		P3			P3			P3			P3				C2							229

GENERAL NOTES

1. ALL WINDOW SILLS TO BE SOLID SURFACE.
2. ALL MEN'S, WOMEN'S, TOILET & SHOWER ROOMS TO HAVE EPOXY PAINT.
3. ALL GYPSUM BOARD EXPOSED WALL CORNERS TO HAVE CORNER GUARDS, UNLESS OTHERWISE NOTED.
4. TRANSISTIONS BETWEEN CARPET & LINOLEUM SHEET OR RESILIENT TERRAZZO TILE TO BE RUBBER REDUCER, COLOR: TO BE SELECTED BY ARCHITECT.
5. SEE REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION RE: CEILING TYPE AND CONFIGURATION.
6. PAINT ALL STEEL HANDRAILS, STEEL GUARDRAILS, AND DOOR FRAMES 'P6' UNLESS OTHERWISE NOTED.
7. SEE C1/AE415 FOR ELEVATION OF CORRIDOR WALLS WHERE FIELD PAINT & ACCENT PAINT ARE CALLED OUT TOGETHER.
8. SEE A1, A2/AE541 & B1, C1, & C2/AE415 FOR ENLARGED PLAN OF ENTRY, STUDY & LOUNGE AREAS WHERE MULTIPLE FLOOR FINISHES, FIELD PAINT & ACCENT PAINT ARE CALLED OUT TOGETHER.
9. SEE A3, A4, C1 & C3/AE411 FOR ENLARGED SUITE ENTRY PLANS WHERE MULTIPLE FLOOR FINISHES ARE CALLED OUT TOGETHER.

FINISH LEGEND

FLOOR FINISHES

- F1 CARPET TILE #1
- F2 CARPET TILE #2
- F3 CARPET TILE #3 INSTALLATION: WHEN INDICATED WITH F2, 50/50 RANDOM PLACEMENT
- F4 LINOLEUM SHEET FLOORING
- F5 RESILIENT TERRAZZO TILE
- F6 SEALED CONCRETE
- F7 WALK-OFF MAT
- F8 INTEGRAL STAIR TREADS & RISERS WITH MATCHING LANDING TILE AT INTERMEDIATE LANDINGS COLOR: TBD

WALL FINISHES

- W1 ALL GYPSUM BOARD WALL SURFACES TO BE PAINTED P1, U.N.O.
- P1 PAINT - FIELD COLOR: TBD
- P2 PAINT - ACCENT COLOR: TBD
- P3 PAINT - ACCENT - TBD COLOR: TBD
- P4 PAINT - ACCENT - TBD COLOR: TBD
- P5 EPOXY PAINT, FIELD COLOR: TBD
- P6 PAINT - ACCENT @ CEILING COLOR: TBD
- W2 FIBERGLASS REINFORCED PANEL (FRP) 48" HIGH SIZE: 4'-0" X 4'-0" @ SINK COLOR: WHITE
- W3 CMU FINISH: HONED, U.N.O. COLOR: TO BE SELECTED BY ARCHITECT
- W4 TAPE & BED
- W5 EXPOSED CONCRETE
- W6 PLASTIC LAMINATE WAINSCOT SIZE: 48" HIGH X 58" WIDE (BEHIND & ADJACENT TO WATER CLOSET) TO BE M2 U.N.O.

CEILING FINISHES

- C1 GYPSUM BOARD TO BE PAINTED P1, U.N.O.
- C2 ACOUSTICAL CEILING TILE SIZE: 2'-0" X 2'-0" COLOR: WHITE
- C3 ACOUSTICAL CEILING TILE SIZE: 2'-0" X 4'-0" COLOR: WHITE
- C4 CURVED ACOUSTICAL METAL PANEL TILE SIZE: AS INDICATED ON RCP COLOR: TBD
- C5 GYPSUM BOARD TO BE PAINTED P5
- C6 OPEN TO STRUCTURE TO BE PAINTED P6, U.N.O.
- C7 OPEN TO STRUCTURE NOT PAINTED

BASE FINISHES

- B1 RUBBER BASE - TBD SIZE: 4" COVE COLOR: TBD
- B2 INTEGRAL LINOLEUM BASE, 6" HIGH TO COORDINATE WITH F4 CAP W/ METAL TRIM

MISCELLANEOUS FINISHES

- M1 SOLID SURFACE - TBD COLOR: TBD
- M2 PLASTIC LAMINATE - TBD COLOR: TBD
- M3 PLASTIC LAMINATE - TBD COLOR: TBD

REMARK NOTES

1. EXTENT OF F4 IS SHOWN ON SHEET AE411.
2. ALL ROOMS THIS SUITE TO BE FINISHED EARLY AS THE PROJECT MOCK-UP.

FINISH CODE CLEARIFICATION :

F6 — LETTER REPRESENTS FINISH TYPE (E.G. FLOORING); NUMBER REPRESENTS SPECIFIC FINISH

W1, P2 — MULTIPLE FINISHES OCCUR IN THE SAME PLANE REFER TO ELEVATIONS, NOTES & FINISH LEGEND FOR MOUNTING HEIGHTS

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WEBER STATE UNIVERSITY
NEW RESIDENTIAL LIFE BUILDING

DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408

SEAL

STATE OF UTAH — MICHAEL GAVIGLIO — 4920978-0300 — 4-27-10 — LICENSED ARCHITECT

MHTN PROJECT NO. 2009566.00

DRAWN BY: BS CHECKED BY: MG

ISSUED:

NO.	DATE	DESCRIPTION
1	29 MAR 2010	CONSTRUCTION DOCUMENTS
2	20 APR 2010	STATE REVIEW COMMENTS
3	27 APR 2010	CONSTRUCTION BID DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	05 MAY 2010	ADDENDUM #2

SHEET NAME

FINISH SCHEDULE LEVEL 2

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

AE606

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FINISH SCHEDULE LEVEL 2 + 3

RM #	ROOM NAME	FLOOR: F1 CARPET TILE	F2 CARPET TILE	F3 CARPET TILE RANDOM	F4 LINOLEUM SHEET FLOORING	F5 RESILIENT TERRAZZO TILE	F6 SEALED CONCRETE	F7 WALK-OFF MAT	F8 INTEGRAL STAIR TREADS & RISERS	BASE: B1 RUBBER BASE	B2 INTEGRAL LINOLEUM BASE	NORTH WALL: W1 PAINT	W2 FRP	W3 CMU	EAST WALL: W1 PAINT	W2 FRP	W3 CMU	SOUTH WALL: W1 PAINT	W2 FRP	W3 CMU	WEST WALL: W1 PAINT	W2 FRP	W3 CMU	CEILING: C1 GYP. BD.	C2 ACT 2' x 2'	C3 ACT 2' x 4'	C4 CURVED METAL	C5 GYP. BD.	C6 OPEN TO STRUCTURE - PAINTED	C7 OPEN TO STRUCTURE - NOT PAINTED	REMARKS	RM #
230	RA SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1 1	230
230A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1								230A
230B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								230B
230C	CLOSET	F1								B1		W1			W1			W1					W3	C1								230C
230D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				230D
230E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				230E
231	MECH						F6			B1		W1			W1			W1			W1									C7		231
232	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1 1	232
232A	BEDROOM	F1								B1	1	W1			W1		W3	W1			W1			C1								232A
232B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								232B
232C	CLOSET	F1								B1		W1					W3	W1			W1			C1								232C
232D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				232D
232E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				232E
234	SHARED UNIT	F1			F4 1					B1	B2	W1			W1			W1			W1			C1							1 1	234
234A	SHOWER				F4					1	B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				234A
234B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								234B
235	PRIVATE ADA UNIT	F1								B1		W1			W1			W1			W1			C1							1 1	235
235A	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				235A
235B	CLOSET	F1								B1		W1			W1			W1			W1			C1								235B
236	MECH						F6			B1		W1			W1			W1			W1									C7		236
238	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1 1	238
238A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1								238A
238B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								238B
238C	CLOSET	F1								B1		W1					W3	W1			W1			C1								238C
238D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				238D
238E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				238E
239	MECH						F6			B1		W1			W1		1	W1		W3	W1									C7		239
240	SUITE	F1			F4					B1	B2	W1			W1			W1		1	W1			C1							1 1	240
240A	BEDROOM	F1								B1	1	W1			W1			W1			W1		W3	C1								240A
240B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								240B
240C	CLOSET	F1								B1		W1			W1			W1					W3	C1								240C
240D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				240D
240E	TOILET				F4					1	B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				240E
299A	STAIR								F8			-		1			W3			W3		1					C4		C6			299A
299B	STAIR				F4				F8	B1		W1		1	W1			W1					W3		C2				C6	F4 AT FLOOR LEVEL	299B
299C	STAIR				F4				F8	B1		W1					W3 1	1	1	W3 1	W1		1		C2				C6	F4 AT FLOOR LEVEL	299C
300	HALL		F2							B1		W1, P4		W3	W1			W1, P4		W3	W1				C2							300
300A	LOUNGE		F2	F3						B1		P4			P4			-			P4			1	C2			1				300A
301	LOUNGE		F2	F3						B1		W1					W3	W1		W3	W1		W3	C1	C2		C4					301
304	SUITE	F1			F4					B1	B2	W1			W1 1			W1		1	W1			C1							1 1	304
304A	BEDROOM	F1								B1	1	W1			W1			W1			W1		W3	C1								304A
304B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								304B
304C	CLOSET	F1								B1		W1					W3	W1			W1			C1								304C
304D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				304D
304E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				304E
305	MECH						F6			B1	1	W1			W1		1	W1		W3	W1				1					C7		305
306	ADA SUITE	F1			F4					B1	B2	W1			W1			W1		1	W1			C1							1 1	306
306A	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								306A
306B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								306B
306C	CLOSET	F1								B1		W1			W1			W1					W3	C1								306C
306D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				306D
307	LOUNGE		F2	F3						B1		P4			P4			-			P4				C2							307
308	RA SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1 1	308
308A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1								308A
308B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								308B
308C	CLOSET	F1								B1		W1					W3	W1			W1			C1								308C
308D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				308D
308E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				308E
309	MECH						F6			B1		W1			W1		1	W1		W3	W1									C7		309
310	SUITE	F1			F4					B1	B2	W1			W1			W1		1	W1			C1							1	310
310A	BEDROOM	F1								B1	1	W1			W1			W1			W1		W3	C1							1	310A
310B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								310B
310C	CLOSET	F1								B1		W1			W1			W1					W3	C1								310C
310D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				310D
310E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				310E
311	ROOF ACCESS			1		F6				B1		W1			W1			W1			W1									C7		311
312	SUITE	F1			F4	1				B1	B2	W1			W1			W1			W1			C1							1 1	312
312A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1								312A
312B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								312B
312C	CLOSET	F1								B1		W1					W3	W1			W1			C1								312C
312D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				312D
312E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				312E
313	MECH						F6			B1		W1			W1		1	W1		W3	W1									C7		313
314	SUITE	F1			F4					B1	B2	W1			W1			W1		1	W1			C1								314
314A	BEDROOM	F1								B1	1	W1			W1			W1			W1		W3	C1								314A
314B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								314B
314C	CLOSET	F1								B1		W1			W1			W1					W3	C1								314C
314D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				314D
314E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				314E
316	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1 1	316
316A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1								316A
316B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								316B
316C	CLOSET	F1								B1		W1			W1			W1			W1			C1								316C
316D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				316D
316E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				316E
317	MECH						F6			B1			W3		W1			W1			W1									C7		317
318	SUITE	F1			F4					B1	B2	W1 1	1		W1	1		W1			W1			C1							1 1	318
318A	BEDROOM	F1								B1	1	W1			W1		W3	W1			W1			C1								318A
318B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								318B
318C	CLOSET	F1								B1		W1					W3	W1			W1			C1								318C
318D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				318D
318E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				318E
319	STUDY		F2	F3						B1		-			P4			P4			P4				C2							319

GENERAL NOTES

1. ALL WINDOW SILLS TO BE SOLID SURFACE.
2. ALL MEN'S, WOMEN'S, TOILET & SHOWER ROOMS TO HAVE EPOXY PAINT.
3. ALL GYPSUM BOARD EXPOSED WALL CORNERS TO HAVE CORNER GUARDS, UNLESS OTHERWISE NOTED.
4. TRANSISTIONS BETWEEN CARPET & LINOLEUM SHEET OR RESILIENT TERRAZZO TILE TO BE RUBBER REDUCER, COLOR: TO BE SELECTED BY ARCHITECT.
5. SEE REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION RE: CEILING TYPE AND CONFIGURATION.
6. PAINT ALL STEEL HANDRAILS, STEEL GUARDRAILS, AND DOOR FRAMES 'P6' UNLESS OTHERWISE NOTED.
7. SEE C1/AE415 FOR ELEVATION OF CORRIDOR WALLS WHERE FIELD PAINT & ACCENT PAINT ARE CALLED OUT TOGETHER.
8. SEE A1, A2/AE541 & B1, C1, & C2/AE415 FOR ENLARGED PLAN OF ENTRY, STUDY & LOUNGE AREAS WHERE MULTIPLE FLOOR FINISHES, FIELD PAINT & ACCENT PAINT ARE CALLED OUT TOGETHER.
9. SEE A3, A4, C1 & C3/AE411 FOR ENLARGED SUITE ENTRY PLANS WHERE MULTIPLE FLOOR FINISHES ARE CALLED OUT TOGETHER.

FINISH LEGEND

FLOOR FINISHES

- F1 CARPET TILE #1
- F2 CARPET TILE #2
- F3 CARPET TILE #3 INSTALLATION: WHEN INDICATED WITH F2, 50/50 RANDOM PLACEMENT
- F4 LINOLEUM SHEET FLOORING
- F5 RESILIENT TERRAZZO TILE
- F6 SEALED CONCRETE
- F7 WALK-OFF MAT
- F8 INTEGRAL STAIR TREADS & RISERS WITH MATCHING LANDING TILE AT INTERMEDIATE LANDINGS COLOR: TBD

WALL FINISHES

- W1 ALL GYPSUM BOARD WALL SURFACES TO BE PAINTED P1, U.N.O.
- P1 PAINT - FIELD COLOR: TBD
- P2 PAINT - ACCENT COLOR: TBD
- P3 PAINT - ACCENT - TBD COLOR: TBD
- P4 PAINT - ACCENT - TBD COLOR: TBD
- P5 EPOXY PAINT, FIELD COLOR: TBD
- P6 PAINT - ACCENT @ CEILING COLOR: TBD
- W2 FIBERGLASS REINFORCED PANEL (FRP) 48" HIGH SIZE: 4'-0" X 4'-0" @ SINK COLOR: WHITE
- W3 CMU FINISH: HONED, U.N.O. COLOR: TO BE SELECTED BY ARCHITECT
- W4 TAPE & BED
- W5 EXPOSED CONCRETE
- W6 PLASTIC LAMINATE WAINSCOT SIZE: 48" HIGH X 58" WIDE (BEHIND & ADJACENT TO WATER CLOSET) TO BE M2 U.N.O.

CEILING FINISHES

- C1 GYPSUM BOARD TO BE PAINTED P1, U.N.O.
- C2 ACOUSTICAL CEILING TILE SIZE: 2'-0" X 2'-0" COLOR: WHITE
- C3 ACOUSTICAL CEILING TILE SIZE: 2'-0" X 4'-0" COLOR: WHITE
- C4 CURVED ACOUSTICAL METAL PANEL TILE SIZE: AS INDICATED ON RCP COLOR: TBD
- C5 GYPSUM BOARD TO BE PAINTED P5
- C6 OPEN TO STRUCTURE TO BE PAINTED P6, U.N.O.
- C7 OPEN TO STRUCTURE NOT PAINTED

BASE FINISHES

- B1 RUBBER BASE - TBD SIZE: 4" COVE COLOR: TBD
- B2 INTEGRAL LINOLEUM BASE, 6" HIGH TO COORDINATE WITH F4 CAP W/ METAL TRIM

MISCELLANEOUS FINISHES

- M1 SOLID SURFACE - TBD COLOR: TBD
- M2 PLASTIC LAMINATE - TBD COLOR: TBD
- M3 PLASTIC LAMINATE - TBD COLOR: TBD

REMARK NOTES

1. EXTENT OF F4 IS SHOWN ON SHEET AE411.
2. ALL ROOMS THIS SUITE TO BE FINISHED EARLY AS THE PROJECT MOCK-UP.

FINISH CODE CLEARIFICATION

F6 — LETTER REPRESENTS FINISH TYPE (E.G. FLOORING); NUMBER REPRESENTS SPECIFIC FINISH

W1, P2 — MULTIPLE FINISHES OCCUR IN THE SAME PLANE REFER TO ELEVATIONS, NOTES & FINISH LEGEND FOR MOUNTING HEIGHTS

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OGDEN, UTAH 84408

SEAL

STATE OF UTAH — MICHAEL GAVIGLIO — 4920978-0301 — 4-27-10 — LICENSED ARCHITECT

MHTN PROJECT NO. 2009566.00

DRAWN BY: BS CHECKED BY: MG

ISSUED:

NO.	DATE	DESCRIPTION
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3	27 APR 2010	CONSTRUCTION BID DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	05 MAY 2010	ADDENDUM #2

SHEET NAME

FINISH SCHEDULE LEVEL 2+3

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

AE607

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FINISH SCHEDULE LEVEL 3

RM #	ROOM NAME	FLOOR: F1 CARPET TILE	F2 CARPET TILE	F3 CARPET TILE RANDOM	F4 LINOLEUM SHEET FLOORING	F5 RESILIENT TERRAZZO TILE	F6 SEALED CONCRETE	F7 WALK-OFF MAT	F8 INTEGRAL STAIR TREADS & RISERS	BASE: B1 RUBBER BASE	B2 INTEGRAL LINOLEUM BASE	NORTH WALL: W1 PAINT	W2 FRP	W3 CMU	EAST WALL: W1 PAINT	W2 FRP	W3 CMU	SOUTH WALL: W1 PAINT	W2 FRP	W3 CMU	WEST WALL: W1 PAINT	W2 FRP	W3 CMU	CEILING: C1 GYP. BD.	C2 ACT 2' x 2'	C3 ACT 2' x 4'	C4 CURVED METAL	C5 GYP. BD.	C5 OPEN TO STRUCTURE - PAINTED	C7 OPEN TO STRUCTURE - NOT PAINTED	REMARKS	RM #
320	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1 1	320
320A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1								320A
320B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								320B
320C	CLOSET	F1								B1		W1			W1			W1					W3	C1								320C
320D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				320D
320E	TOILET				F4						B2	W1, P5		1	W1, P5			W1, P5			W1, P5							C5				320E
321	MECH						F6			B1				W3	W1			W1			W1									C7		321
322	SUITE	F1			F4					B1	B2	W1	1		W1			W1			W1			C1							1 1	322
322A	BEDROOM	F1								B1	1	W1			W1		W3	W1			W1			C1								322A
322B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								322B
322C	CLOSET	F1								B1		W1					W3	W1			W1			C1								322C
322D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				322D
322E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				322E
323	LOUNGE		F2	F3						B1		-			P4			P4			P4				C2							323
324	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1	324
324A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1							1	324A
324B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								324B
324C	CLOSET	F1								B1		W1			W1			W1					W3	C1								324C
324D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				324D
324E	TOILET				F4						B2	W1, P5		1	W1, P5			W1, P5			W1, P5							C5				324E
325	MECH						F6			B1				W3	W1			W1			W1									C7		325
326	SUITE	F1			F4					B1	B2	W1	1		W1			W1			W1			C1							1 1	326
326A	BEDROOM	F1								B1	1	W1			W1		W3	W1			W1			C1								326A
326B	BEDROOM	F1								B1		W1			W1			W1			W1			C1								326B
326C	CLOSET	F1								B1		W1					W3	W1			W1			C1								326C
326D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				326D
326E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5		1		1			C5				326E
327	LAUNDRY				F4				1		B2	W1			W1			W1			W1				C2							327
327A	JAN				F4						B2	W1			W1	W2		W1	W2		W1		1			C3						327A
328	IDF					F6	1			B1	1	W1			W1			W1			W1					1				C7		328
329	DINING				1	F5				B1		P4			P4			P4			P4				C2							329
331	LOUNGE		F2	F3						B1		P4			P4			P4			P4				C2							331
332	RA SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1 1	332
332A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1								332A
332B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								332B
332C	CLOSET	F1								B1		W1			W1			W1					W3	C1								332C
332D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				332D
332E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5				1			C5				332E
333	MECH						F6			B1				W3	W1			W1			W1									C7		333
334	SUITE	F1			F4					B1	B2	W1	1		W1			W1			W1			C1							1	334
334A	BEDROOM	F1								B1	1	W1		1	W1		W3	W1			W1			C1							1	334A
334B	BEDROOM	F1								B1		W1			W1			W1			W1		W3	C1								334B
334C	CLOSET	F1								B1		W1					W3	W1			W1			C1								334C
334D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				334D
334E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				334E
336	SHARED UNIT	F1			F4	1				B1	B2	W1			W1			W1			W1			C1							1 1	336
336A	SHOWER				F4					1	B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				336A
336B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								336B
337	PRIVATE ADA UNIT	F1								B1		W1			W1			W1			W1			C1								337
337A	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				337A
337B	CLOSET	F1								B1		W1			W1			W1			W1			C1								337B
338	MECH						F6			B1		W1			W1			W1			W1									C7		338
340	SUITE	F1			F4					B1	B2	W1			W1			W1			W1			C1							1 1	340
340A	BEDROOM	F1								B1	1	W1			W1			W1			W1			C1								340A
340B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								340B
340C	CLOSET	F1								B1		W1					W3	W1			W1			C1								340C
340D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				340D
340E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5	1		W1, P5				1			C5				340E
341	MECH						F6			B1		W1			W1					W3	W1									C7		341
342	SUITE	F1			F4					B1	B2	W1			W1			W1	1		W1			C1							1 1	342
342A	BEDROOM	F1								B1	1	W1			W1			W1			W1		W3	C1								342A
342B	BEDROOM	F1								B1		W1			W1		W3	W1			W1			C1								342B
342C	CLOSET	F1								B1		W1			W1			W1					W3	C1								342C
342D	SHOWER				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				342D
342E	TOILET				F4						B2	W1, P5			W1, P5			W1, P5			W1, P5							C5				342E
399A	STAIR								F8	B1		W1					W3			W3							C4		C6			399A
399B	STAIR				F4				F8	B1		W1			W1			W1					W3		C2						F4 AT FLOOR LEVEL	399B
399C	STAIR				F4				F8	B1		W1			W3			W3			W1	1	1		C2						F4 AT FLOOR LEVEL	399C

1 1 1 1

GENERAL NOTES

1. ALL WINDOW SILLS TO BE SOLID SURFACE.
2. ALL MEN'S, WOMEN'S, TOILET & SHOWER ROOMS TO HAVE EPOXY PAINT.
3. ALL GYPSUM BOARD EXPOSED WALL CORNERS TO HAVE CORNER GUARDS, UNLESS OTHERWISE NOTED.
4. TRANSISTIONS BETWEEN CARPET & LINOLEUM SHEET OR RESILIENT TERRAZZO TILE TO BE RUBBER REDUCER, COLOR: TO BE SELECTED BY ARCHITECT.
5. SEE REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION RE: CEILING TYPE AND CONFIGURATION.
6. PAINT ALL STEEL HANDRAILS, STEEL GUARDRAILS, AND DOOR FRAMES 'P6' UNLESS OTHERWISE NOTED.
7. SEE C1/AE415 FOR ELEVATION OF CORRIDOR WALLS WHERE FIELD PAINT & ACCENT PAINT ARE CALLED OUT TOGETHER.
8. SEE A1, A2/AE541 & B1, C1, & C2/AE415 FOR ENLARGED PLAN OF ENTRY, STUDY & LOUNGE AREAS WHERE MULTIPLE FLOOR FINISHES, FIELD PAINT & ACCENT PAINT ARE CALLED OUT TOGETHER.
9. SEE A3, A4, C1 & C3/AE411 FOR ENLARGED SUITE ENTRY PLANS WHERE MULTIPLE FLOOR FINISHES ARE CALLED OUT TOGETHER.

FINISH LEGEND

FLOOR FINISHES

- F1 CARPET TILE #1
- F2 CARPET TILE #2
- F3 CARPET TILE #3 INSTALLATION: WHEN INDICATED WITH F2, 50/50 RANDOM PLACEMENT
- F4 LINOLEUM SHEET FLOORING
- F5 RESILIENT TERRAZZO TILE
- F6 SEALED CONCRETE
- F7 WALK-OFF MAT
- F8 INTEGRAL STAIR TREADS & RISERS WITH MATCHING LANDING TILE AT INTERMEDIATE LANDINGS COLOR: TBD

WALL FINISHES

- W1 ALL GYPSUM BOARD WALL SURFACES TO BE PAINTED P1, U.N.O.
- P1 PAINT - FIELD COLOR: TBD
- P2 PAINT - ACCENT COLOR: TBD
- P3 PAINT - ACCENT - TBD COLOR: TBD
- P4 PAINT - ACCENT - TBD COLOR: TBD
- P5 EPOXY PAINT, FIELD COLOR: TBD
- P6 PAINT - ACCENT @ CEILING COLOR: TBD
- W2 FIBERGLASS REINFORCED PANEL (FRP) 48" HIGH SIZE: 4'-0" X 4'-0" @ SINK COLOR: WHITE
- W3 CMU FINISH: HONED, U.N.O. COLOR: TO BE SELECTED BY ARCHITECT
- W4 TAPE & BED
- W5 EXPOSED CONCRETE
- W6 PLASTIC LAMINATE WAINSCOT SIZE: 48" HIGH X 58" WIDE (BEHIND & ADJACENT TO WATER CLOSET) TO BE M2 U.N.O.

CEILING FINISHES

- C1 GYPSUM BOARD TO BE PAINTED P1, U.N.O.
- C2 ACOUSTICAL CEILING TILE SIZE: 2'-0" X 2'-0" COLOR: WHITE
- C3 ACOUSTICAL CEILING TILE SIZE: 2'-0" X 4'-0" COLOR: WHITE
- C4 CURVED ACOUSTICAL METAL PANEL TILE SIZE: AS INDICATED ON RCP COLOR: TBD
- C5 GYPSUM BOARD TO BE PAINTED P5
- C6 OPEN TO STRUCTURE TO BE PAINTED P6, U.N.O.
- C7 OPEN TO STRUCTURE NOT PAINTED

BASE FINISHES

- B1 RUBBER BASE - TBD SIZE: 4" COVE COLOR: TBD
- B2 INTEGRAL LINOLEUM BASE, 6" HIGH TO COORDINATE WITH F4 CAP W/ METAL TRIM

MISCELLANEOUS FINISHES

- M1 SOLID SURFACE - TBD COLOR: TBD
- M2 PLASTIC LAMINATE - TBD COLOR: TBD
- M3 PLASTIC LAMINATE - TBD COLOR: TBD

REMARK NOTES

1. EXTENT OF F4 IS SHOWN ON SHEET AE411.
2. ALL ROOMS THIS SUITE TO BE FINISHED EARLY AS THE PROJECT MOCK-UP.

FINISH CODE CLEARIFICATION

F6 — LETTER REPRESENTS FINISH TYPE (E.G. FLOORING); NUMBER REPRESENTS SPECIFIC FINISH

W1, P2 — MULTIPLE FINISHES OCCUR IN THE SAME PLANE REFER TO ELEVATIONS, NOTES & FINISH LEGEND FOR MOUNTING HEIGHTS

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WEBER STATE UNIVERSITY
NEW RESIDENTIAL LIFE BUILDING

DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408

SEAL

STATE OF UTAH — MICHAEL GAVIGLIO — 4920978-0301 — 4-27-10 — LICENSED ARCHITECT

MHTN PROJECT NO. 2009566.00

DRAWN BY: BS CHECKED BY: MG

ISSUED:

NO.	DATE	DESCRIPTION
1	29 MAR 2010	CONSTRUCTION DOCUMENTS
2	20 APR 2010	STATE REVIEW COMMENTS
3	27 APR 2010	CONSTRUCTION BID DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	05 MAY 2010	ADDENDUM #2

SHEET NAME

FINISH SCHEDULE LEVEL 3

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

AE608

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SECTION 019116 - BUILDING ENVELOPE TEST PROTOCOL

PART 1 - GENERAL

1.1 Related Documents

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

B. The contractor shall participate fully in commissioning as specified in Division 019113 "Commissioning". See Div 019113 for a specific list of equipment and systems to be covered by the commissioning process.

C. Envelope testing, including all associated testing of the air barrier will be carried out by an independent, approved envelope testing agency, retained by the Owner. All testing activities, documentation, and reports by the testing agency will be witnessed by and accepted/rejected by the project's primary Commissioning Authority, CxA (E Cube, Inc.).

D. All cost incurred by any repair, inspections, or retest of the building envelope will be carried by the GC, including any additional cost incurred by the envelope testing agency. E Cube, Inc. will be available for two attempts of any Envelope Commissioning Procedure (one initial and one re-try) with minimal follow-up where necessary (due to deficiencies, systems not ready, etc.) to try to accomplish each checkout as part of the contract. When additional work is required because systems are not ready or because they do not successfully pass Commissioning Procedures after they have been indicated as ready, the contractor will be charged for the additional costs. Additional fees will be paid to the CxA by the Owner and shall be reimbursed by the Contractor.

1.2 Mock-up Test Requirements

A. The mock-up will be constructed by the GC and tested prior to commencing installation of envelope components on the building. The mock-up will also be constructed such that each component of the building envelope is represented (including finish materials: brick, metal panels, storefront, operable metal windows, curtainwall, etc.) and can be commissioned per the requirements below. Constructed per the project documents, the mock-up is to be a free standing sample of the building that is supported by steel framing and built on a concrete pad. The intent of the mock-up is to create a box or chamber on the interior of the mock-up that can be pressurized to perform the specified performance testing outlined below. The mock-up shall consist of a concrete slab, which represents one of the six sides of the chamber, an L-shaped façade and roof that form three additional sides of the chamber. The remaining two sides need to be framed out, sheathed and covered with an air tight barrier which must be sealed tight or otherwise integrated with the façade to form a complete and continuous barrier facilitating the required pressurization for the performance testing. Provide a removable, gasketed access panel (typically made of weatherproofed wood) such that personnel can enter the chamber.

B. The design of the mock-up shall be submitted to the architect for review and acceptance, as a project submittal. The size of the mock-up shall be such that it will incorporate one of each storefront window type in its actual size, and a section of curtainwall large enough to provide acceptable testing as defined in the specification. It is anticipated that the completed mock-up might be approx. 10' long x 5' wide x 14' tall at a minimum.

C. The coordination and completion of mock-up construction, including the chamber allowing pressurization, and the testing of the mock-up, including any resulting adjustments to the project team's understanding of the system installation, should be completed by the General

Contractor. The General Contractor shall permit inspections of the mock-up to the project team throughout construction and testing.

D. The following testing shall be completed by the owner's envelope testing agency prior to installation of batt insulation and interior finishes. Additionally, this testing shall be considered a pretest, which is performed after installation of the air barriers, exterior thermal blanket, all flashings, fenestration assemblies and all penetrations through the air barrier but not the exterior cladding and finishes themselves. Each wall component is to be photographed as it is installed for future reference. The photographic documentation is critical to the success of the mock-up of the building envelope for setting the standard of quality for the project.

1. ASTM E1186-03, Standard Practices for Air Leakage Site Detection in Building Envelopes and Air Barrier Systems; Use pressurization, 1.57 lb/sf., and smoke to identify leak locations through the mockup chamber and the face of the mock-up. All leaks through the mock-up chamber will be sealed and documented prior to commencing ASTM E 783 testing. There is no pass or fail criteria for this test, but significant leak locations through the mock-up area will be noted.

    A. Chamber depressurization using detection liquids, "Bubble Gun Testing": Test at seams and penetrations. Perform testing on a representative sample of the population for each 600 sq. ft. of wall area, as selected by the CxA. If leakage is detected, perform additional test as required and approved by the CxA.

    B. Smoke pencil with pressurization or depressurization: All test locations shall include a window, and at least one location shall include a slab edge and relieving angle. Perform testing on (10% for high performance buildings, 5% for moderated performance buildings) of the total number of window units at locations selected by the CxA. The chambers used for quantitative ASTM E783 tests may be utilized for this test. If leakage is detected, perform additional tests as directed by the Commissioning Authority.

2. Membrane Substrate Adhesion Testing: Test in accordance with ASTM D4541 to demonstrate pull adhesion to concrete block, 35 psi minimum for fluid-applied air barrier membrane, and 16 psi minimum for modified-bitumen transition materials. Perform at least one test, consisting of a minimum of three 'pulls' for each 600 sq. ft. of wall area, and as selected by the Commissioning Authority. If test fails, perform additional tests as required and approved by the Owner's representative.

    A. Each test sample shall be scored to isolate it from the remainder of the membrane material. Patching of the test area will be required by the installing contractor.

    B. In the event that the specified tensile-adhesion requirement may exceed the tensile strength of the substrate over which the membrane has been applied, alternate test methods may be used in conjunction with ASTM D4541 if approved by the CxA.

3. Quantitative Air Testing – Performance for both opaque wall air barriers and penetrations such as fenestration openings can be quantified using ASTM E 783. ASTM E 779 can be used to quantify whole building air infiltration rates.

E. Perform any repairs as necessary to successfully complete the testing identified above prior to proceeding to the testing of the completed mock-up. For the completed mock-up testing, the

General Contractor is to install all cladding and exterior finishes, but not install the interior batt insulation or finishes.

1. ASTM E1186-03, Standard Practices for Air Leakage Site Detection in Building Envelopes and Air Barrier Systems; Performance requirements are as listed in the above section.

2. ASTM E1105, Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference

F. Upon successful completion of mock-up testing, the Contractor is to complete installation of the batt insulation and vapor barrier across the interior, including typical accessories and penetrations of the vapor barrier. Members of the project team will inspect the vapor barrier prior to acceptance of the mock-up.

1.3 Field tests

A. Air infiltration of the opaque wall and penetrations (i.e. fenestration components) should be quantitatively measured along with the air infiltration rate for the whole building to ensure performance requirements as set forth in the Construction Documents are met. All performance tests shall be conducted to project performance requirements as stated in the Construction Documents. Where tests indicate that performance requirements are not met the subcontractor responsible will repair or replace the failed section and a re-test must be conducted. Any repairs and re-tests should be conducted with inspection by the CxA and costs associated with the repair and re-test shall be the responsibility of the installing subcontractor.

B. Air Infiltration (Complete air testing prior to installation of exterior cladding and interior finishes (except for ASTM E779 testing)

1. ASTM E783-02, Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors (2 locations); For both liquid applied and sheet applied air barrier materials, the air permeability of the assembly shall not exceed 0.01 cfm x sq. ft. of surface area at 1.57 lb/sq. ft .

2. ASTM E1186-03, Standard Practices for Air Leakage Site Detection in Building Envelopes and Air Barrier Systems (60 locations bubble gun).

3. ASTM E779, Standard Test Method for Determining Air Leakage Rate by Fan Pressurization; For the entire structure, which includes opaque wall air barriers, fenestration products, roofing materials and below grade barriers, the air permeability of the whole building should not exceed 0.1 cfm x sq. ft. of surface area at 1.57 lb/sq. ft.;

C. Membrane Substrate Adhesion Testing: Test in accordance with ASTM D4541 to demonstrate pull adhesion to concrete block, 35 psi minimum for fluid-applied air barrier membrane, and 16 psi minimum for modified-bitumen transition materials. Perform at least one test, consisting of a minimum of three ‘pulls’ for each 600 sq. ft. of wall area, and as selected by the Commissioning Agent. If test fails, perform additional tests as required and approved by the Owner’s representative.

1. Each test sample shall be scored to isolate it from the remainder of the membrane material.

2. In the event that the specified tensile-adhesion requirement may exceed the tensile strength of the substrate over which the membrane has been applied, alternate test methods may be used in conjunction with ASTM D4541 if approved by the CxA.

D. Water Penetration (Complete water penetration testing prior to installation of interior finishes or vapor barrier but after exterior claddings are installed).

1. Pass/fail criteria for the following field test methods include no uncontrolled water leakage under the performance requirements described in the Construction Documents.

A. ASTM E1105, Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors and Curtain Walls by Uniform or Cyclic Static Air Pressure Difference (5 locations)

B. Spray Test: AAMA 501.2 (200 linear feet)

C. Fenestration Water Penetration: AAMA 501.1 Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors using Dynamic Pressure (12 locations);

Envelope Commissioning Responsibility Matrix

Spec Section	Description	GC	Envelope Testing Agency	E Cube, Inc.	WSU, DFCM	Scope / Comments
01 91 13 1.3 B.	**Cx Covered Systems**	A	P	O/R	O	Div. 07 Thermal and Moisture Protection Div. 08 Openings
01 91 13 3.6	**Building Envelope Commissioned Systems**	A	P	O/R	O	Air Barrier, Vapor Barrier, Exterior window and doors, rain screens, roof sytem, below grade waterproofing, sealants, flashing and material transitions
01 91 16 1.2	**Mockup Tests**	A	P	O/R	O	ASTM E 1186 Air Leakage Site Detection ASTM E 283 Fenestration Air Leakage ASTM E 331 Fenestration Water Penetration AAMA 501.1 Fenestration Water Penetration ASTM D 4541 Adhesion Testing
01 91 16 1.3	**Field Tests**					
B.1	ASTM E783 Air Barrier Air Leakage	A	P	O/R	O	
B.2	ASTM E 1186 Air Leakage (Bubble Gun)	A	P	O/R	O	
B.3	ASTM E 779 Whole Building Air Leakage	A	P	O/R	O	Add Alternate #1
C	ASTM D 4541 Adhesion Testing	A	P	O/R	O	
D.1.A	ASTM E 1105 Fenestration Water Penetration	A	P	O/R	O	
D.1.B	AAMA 501.2 Spray Test	A	P	O/R	O	
D.1.C	AAMA 501.1 Fenestration Water Penetration	A	P	O/R	O	Add Alternate #2
07 13 26	**Self Adhering Sheet Waterproofing**					
C.1	ASTM E 1186 Qualitative Air Leakage Testing	A	P	O/R	O	
C.2	ASTM E 783 Quantitative Air Leakage Testing	A	P	O/R	O	
07 27 26	**Fluid Applied Air Barrier Field Testing**					
C.1	ASTM E 1186 Qualitative Air Leakage Testing	A	P	O/R	O	
C.2	ASTM E 783 Quantitative Air Leakage Testing	A	P	O/R	O	
07 42 43	**Metal Wall Systems**					
	ASTM E 1105 Fenestration Water Penetration	A	P	O/R	O	
07 54 19 3.8.A	**PVC Membrane Roof**					
07 92 00	**Joint Sealants**					
3.3.B.1	ASTM E 783 Air Infiltration	A	P	O/R	O	
3.3.B.2	ASTM E 1105 Fenestration Water Penetration	A	P	O/R	O	
08 41 13	**Aluminum Entrances and Storefronts**					
3.3.B.1	ASTM E 783 Air Infiltration	A	P	O/R	O	
3.3.B.2	ASTM E 1105 Fenestration Water Penetration	A	P	O/R	O	
08 44 13	**Glazed Aluminum Curtain Walls**					
3.3.B.1	ASTM E 783 Air Infiltration	A	P	O/R	O	
3.3.B.2	ASTM E 1105 Fenestration Water Penetration	A	P	O/R	O	
08 51 13	**Aluminum Windows**					
3.3.B.1	ASTM E 783 Air Infiltration	A	P	O/R	O	
3.3.B.1 / 1.4.F	ASTM E 1105 Fenestration Water Penetration	A	P	O/R	O	

P Primary Responsibility
A Assists
O Observes
R Reviews and Comments

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION (Not Used)

END OF SECTION - BUILDING ENVELOPE TEST PROTOCOL 019116

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements for unit prices.

B. Related Sections include the following:

1. Division 1 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
2. Division 1 Section "Quality Requirements" for general testing and inspecting requirements.

1.3 DEFINITIONS

A. Unit price is **an amount proposed by bidders, stated on the Bid Form, as** a price per unit of measurement for materials or services added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, overhead, and profit.

B. Measurement and Payment: Refer to individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.

C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

D. List of Unit Prices: A list of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 LIST OF UNIT PRICES

Add a unit price per ton to remove soft spots as directed by the architect or soils engineer. The Unit price per ton should be for all excavation, trucking, hauling, dumping fees, etc to remove soft spots. Weight tickets will be required for all material removed under this unit price to receive payment.

Add a unit price per ton to replace material removed above with course gravels, cobbles, and large gravels as directed by the architect or soils engineer. Weight tickets will be required for all material imported under this unit price to receive payment.

END OF SECTION 012200

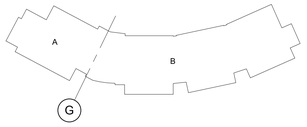
ROOF DECK SCHEDULE (L)

AREA	DECK DEPTH	DECK TYPE	DECK GA.	ATTACHMENT SUPPORTS DIA WELD	ATTACHMENT SUPPORTS PATTERN	ATTACHMENT SIDE SEAMS #12 TEK SCREWS	ATTACHMENT SIDE SEAMS TOP SEAM WELD	ATTACHMENT SIDE SEAMS PUNCH LOCK	ATTACHMENT SUPPORTS PARALLEL TO FLUTES DIA. WELD	ATTACHMENT SUPPORTS PARALLEL TO FLUTES SPA.	MIN. SHEAR CAPACITY
A	1 1/2	B	22	3/4	36/7	---	---	18"	3/4"	24"	620 plf
B	1 1/2	B	22	3/4	36/7	---	---	8"	3/4"	24"	713 plf

FASTENING PATTERNS

WELD PATTERN - 36/7

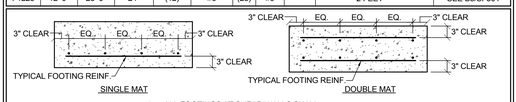
NOTES :
1. TOP SEAM WELDS SHALL BE 1-1/2" LONG AND SHALL BE ACCORDING TO SDI STANDARDS.
2. MIN. SHEAR CAPACITY IS THE CAPACITY REQUIRED FOR ALTERNATE SYSTEMS.
3. USE NESTABLE (OVERLAPPING) SIDE SEAMS AT SCREW ATTACHMENTS AND INTERLOCKING SIDE SEAMS AT WELDS.
4. ALL DECK WITH A PROFILE DEPTH OF 2" OR LESS SHALL HAVE NESTED OR TELESCOPED END LAPS.
5. SUBMIT CURRENT ICC APPROVAL FOR ALL DECKS.
6. OTHER PNUEMATIC FASTENING SYSTEMS MUST MEET MIN. SHEAR CAPACITY SHOWN IN SCHEDULE. ALL ALTERNATE SYSTEMS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW & APPROVAL.



KEY PLAN

FOOTING SCHEDULE (L)

MARK	WIDTH	LENGTH	THICK	LENGTHWISE REINF. NO.	LENGTHWISE REINF. SIZE	CROSSWISE REINF. NO.	CROSSWISE REINF. SIZE	CROSSWISE REINF. SPA.	MIN. THICKNESS OF REPLACEMENT GRANULAR FILL	REMARKS
FC2	2'-0"	CONT.	12"	(2)	#5	--	--	--	O FEET	
FC2.5	2'-6"	CONT.	12"	(2)	#5	--	--	--	O FEET	
FC3	3'-0"	CONT.	14"	(3)	#6	--	#3	24"	O FEET	
FC3.5	3'-6"	CONT.	12"	(3)	#5	--	#3	24"	O FEET	
FC4	4'-0"	CONT.	14"	(4)	#5	--	#3	24"	O FEET	
FC4.5	4'-6"	CONT.	16"	(4)	#5	--	#3	24"	O FEET	
FC5	5'-0"	CONT.	16"	(5)	#5	--	#3	24"	O FEET	
FC5.5	5'-6"	CONT.	16"	(5)	#5	--	#3	24"	O FEET	
FC6	6'-0"	CONT.	18"	(6)	#5	--	#5	16"	O FEET	
FC7	7'-0"	CONT.	18"	(7)	#5	--	#4	24"	O FEET	
FC7.5	7'-6"	CONT.	22"	(8)	#5	--	#4	12"	O FEET	
FC8	8'-0"	CONT.	16"	(8)	#6	--	#3	12"	O FEET	
FC8.5	8'-6"	CONT.	18"	(8)	#5	--	#4	24"	O FEET	
F3	3'-0"	3'-0"	12"	(3)	#4	(3)	#4	--	O FEET	
F3.5	3'-6"	3'-6"	12"	(3)	#5	(3)	#5	--	O FEET	
F4	4'-0"	4'-0"	12"	(4)	#5	(4)	#5	--	O FEET	
F4.5	4'-6"	4'-6"	12"	(4)	#5	(4)	#5	--	O FEET	
F5	5'-0"	5'-0"	12"	(5)	#5	(5)	#5	--	O FEET	
F5.5	5'-6"	5'-6"	12"	(5)	#5	(5)	#5	--	1 FEET	SEE B3/SF501
F6	6'-0"	6'-0"	14"	(6)	#5	(6)	#5	--	1 FEET	SEE B3/SF501
F6.5	6'-6"	6'-6"	14"	(6)	#6	(6)	#6	--	1 FEET	SEE B3/SF501
F7	7'-0"	7'-0"	16"	(7)	#6	(7)	#6	--	1 FEET	SEE B3/SF501
F7.5	7'-6"	7'-6"	16"	(7)	#6	(7)	#6	--	2 FEET	SEE B3/SF501
F8	8'-0"	8'-0"	18"	(8)	#6	(8)	#6	--	2 FEET	SEE B3/SF501
F8.5	8'-6"	8'-6"	18"	(8)	#6	(8)	#6	--	2 FEET	SEE B3/SF501
F9	9'-0"	9'-0"	20"	(9)	#6	(9)	#6	--	2 FEET	SEE B3/SF501
F9.5	9'-6"	9'-6"	20"	(9)	#7	(9)	#7	--	2 FEET	SEE B3/SF501
F118	11'-0"	8'-0"	18"	(8)	#6	(11)	#5	--	2 FEET	SEE B3/SF501
F1228	12'-0"	28'-0"	24"	(12)	#6	(28)	#6	--	2 FEET	SEE B3/SF501



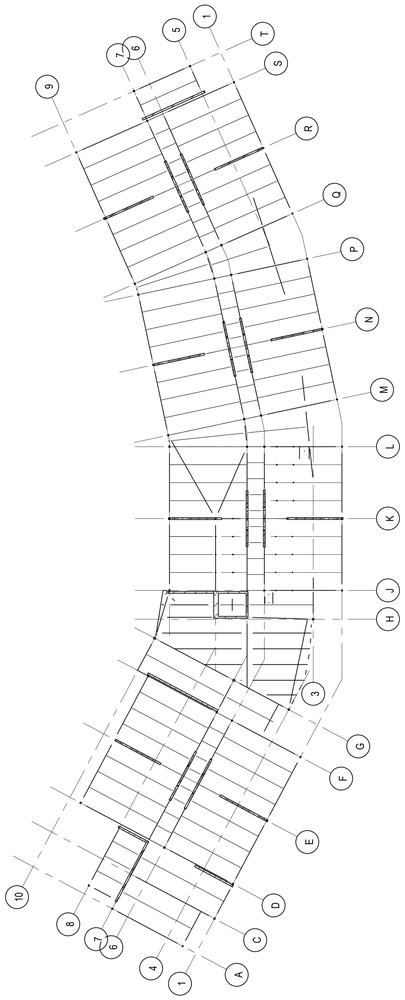
1. ALL FOOTINGS AT SHEAR WALLS SHALL HAVE A DOUBLE MAT OF REINFORCINGS.
2. REFERENCE THE SOILS REPORT FOR MORE INFORMATION.

QUALITY ASSURANCE PLAN (L)

ESTABLISHED PER 2006 IBC SECTION 1705.2

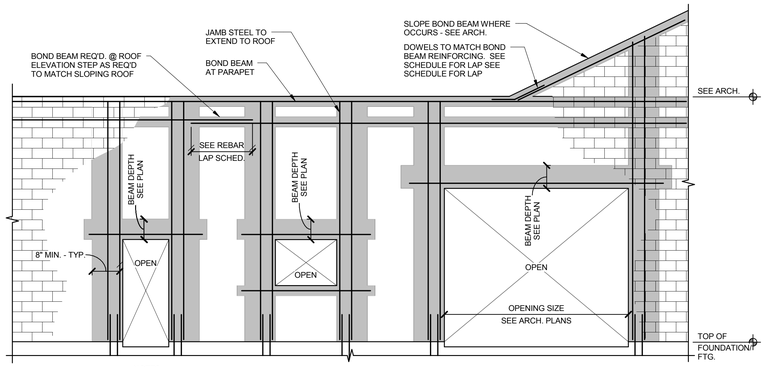
ITEM	DESCRIPTION
SPECIAL INSPECTIONS & TESTING	REFER TO SPECIAL INSPECTION SCHEDULE
STRUCTURAL OBSERVATIONS	OBSERVATION VISITS SHALL BE PERFORMED AS NEEDED TO VERIFY THE CONSTRUCTION OF CRITICAL BUILDING ELEMENTS, SUCH AS: FOOTINGS, MOMENT FRAMES, COLLECTORS, AND FLOOR & ROOF DIAPHRAGMS. OBSERVATION REPORTS FOR EACH VISIT SHALL BE SENT DIRECTLY TO THE ARCHITECT FOR DISTRIBUTION TO THE CONTRACTOR AND BUILDING OFFICIAL.

DESIGNATED SIESMIC & MAIN WIND-FORCE-RESISTING SYSTEM



SHEAR WALL KEY PLAN

TYPICAL MASONRY / JAMB REINFORCING SCHEDULE



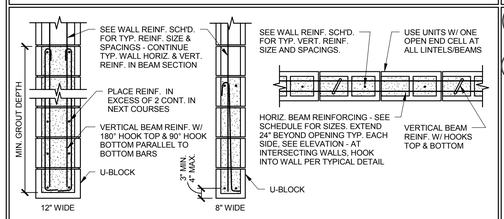
NOTES:

1. USE OPEN-END UNITS AT INTERSECTIONS OF BEAMS AND JAMBS.
2. TYPICAL HORIZONTAL BOND BEAMS MAY BE ADJUSTED UP OR DOWN BY ONE COURSE PROVIDED THE OVERALL NUMBER OF REQUIRED BOND BEAMS ARE INSTALLED.
3. TYPICAL HORIZONTAL AND VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY, SEE PLAN AND SCHEDULE FOR TYPICAL WALL REINFORCING.
4. JAMB REINFORCING SHOWN IS SCHEMATIC. SEE SCHEDULE & DETAILS FOR ACTUAL JAMB REINF.
5. ALL MASONRY SHALL CONFORM TO F'M = 2500 PSI PER THE STRUCTURAL NOTES.

MASONRY BEAM SCHEDULE (L)

MARK	NOMINAL THICKNESS	BOTTOM REINF.	TOP REINF.	VERTICAL REINF.	MIN. GROUT DEPTH	COMMENTS
MB-1	8"	(4) #5	(4) #5	#4 @ 8"	56"	
MB-2	8"	(4) #5	(4) #5	(2) #4 @ 8"	56"	'U' SHAPED BAR
MB-3	8"	(4) #5	(4) #5	#6 @ 8"	56"	
MB-4	8"	(2) #5	(2) #5	N/A	16"	
MB-5	10"	(2) #5	(2) #5	N/A	16"	

NOTES:
1. WHERE SPECIFIC BEAMS ARE NOT NOTED ON THE PLANS USE MB-1
2. FIRST VERTICAL BAR TO BE WITHIN 8" OF END OF BEAM.
3. SEE TYPICAL ELEVATION - VIEW OF BEAM.
4. VERTICAL REINFORCING SHALL HAVE HOOKS TOP AND BOTTOM.



SECTION

NOTE: SEE TYPICAL DETAIL FOR LINTELS W/ BRICK VENEER

PLAN

MASONRY WALL SCHEDULE (L)

MARK	THICK.	VERT. REINF. SIZE	VERT. REINF. SPACE	HORIZ. REINF. NO.	HORIZ. REINF. SIZE	HORIZ. REINF. SPACE	BOND BEAM REINF. @ ROOF	BOND BEAM REINF. @ FLOOR	COMMENTS
MW-1	8"	#5	32"	(2)	#4	48"	(2) #4	(2) #4	
MW-2	8"	#5	32"	(2)	#4	32"	(2) #4	(2) #4	SEE NOTE 6
MW-3	8"	#5	32"	(2)	#4	24"	(2) #4	(2) #4	SOLID GROUT - SEE NOTE 6
MW-4	8"	#5	32"	(2)	#4	40"	(2) #4	(2) #4	SEE NOTE 6
MW-5	8"	#5	32"	(2)	#4	24"	(2) #4	(2) #4	SOLID GROUT - SEE NOTE 6
MW-6	8"	#5	32"	(2)	#4	16"	(2) #4	(2) #4	SOLID GROUT - SEE NOTE 6
MW-7	10"	#5	32"	(2)	#5	32"	(2) #5	(2) #5	SEE NOTE 6
MW-8	10"	#5	32"	(2)	#5	16"	(8) #8	(2) #5	SOLID GROUT - SEE NOTE 6
MW-9	20"	(2) #4	8"	(4)	#5	48"	(8) #7	(4) #5	DOUBLE 10" WALL - SOLID GROUT SEE NOTE 6 - SEE A5/SF502
MW-10	20"	(2) #4	8"	(4)	#5	40"	(4) #5	(4) #5	

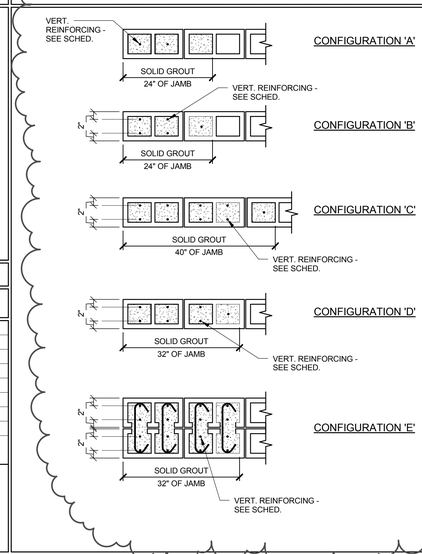
NOTES:

1. FOR ANY CMU WALLS NOT SPECIFICALLY CALLED OUT IN PLANS, USE MW1
2. VERT. REINFORCING TO BE @ CL OF WALL UNLESS OTHERWISE NOTED.
3. SOLID GROUTING OF WALLS IS UNACCEPTABLE EXCEPT WHERE SPECIFICALLY NOTED.
4. SEE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
5. WALL MARKS SHOWN ON PLAN OCCUR ABOVE THE LEVEL ON WHICH THEY ARE SHOWN.
6. HORIZ. BOND BEAM REINFORCING SHALL BE HOOKED AROUND VERTICAL END OF WALL REINFORCING. THIS NOTE ONLY APPLIES WHERE SPECIFICALLY NOTED ABOVE.

MASONRY JAMB SCHEDULE (L)

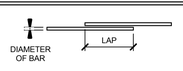
MARK	NOMINAL THICKNESS	VERTICAL REINF.	TIES	CONFIG.	COMMENTS
MJ-1	8"	(2) #5	N/A	A	
MJ-2	10"	(4) #6	N/A	B	
MJ-3	10"	(9) #6	N/A	C	
MJ-4	8"	(5) #5	N/A	B	
MJ-5	8"	(7) #5	N/A	D	
MJ-6	(2) 10"	(17) #7	#3 @ 8"o.c.	E	
MJ-7	(2) 10"	(8) #7	#3 @ 8"o.c.	E, SIM.	JAMB IS ONLY 16" LONG

NOTES:
1. WHERE SPECIFIC JAMBS ARE NOT NOTED ON THE PLANS USE MJ-1 WHERE INDICATED BY THE FILLED REGION.
2. ALL VERT. REINFORCING SHALL HAVE MATCHING DOWELS CAST INTO FOUNDATIONS.
3. HORIZONTAL REINFORCING NOT SHOWN.
4. JAMBS TO BE GROUTED SOLID.
5. JAMB MARKS SHOWN ON THE PLAN OCCUR ABOVE THE LEVEL ON WHICH THEY ARE SHOWN.



2006 IBC REBAR LAP SPLICE SCHEDULE

FOR CONCRETE APPLICATIONS (ACI 318 - 05)



BAR SIZE NO.	BAR SIZE DIA.	f'c = 3000 PSI TYP. SPLICES CLASS 'A'	f'c = 3000 PSI TYP. SPLICES CLASS 'B'	f'c = 3000 PSI TOP BAR SPLICES CLASS 'A'	f'c = 3000 PSI TOP BAR SPLICES CLASS 'B'	f'c = 4000 PSI TYP. SPLICES CLASS 'A'	f'c = 4000 PSI TYP. SPLICES CLASS 'B'	f'c = 4000 PSI TOP BAR SPLICES CLASS 'A'	f'c = 4000 PSI TOP BAR SPLICES CLASS 'B'
2	0.250	12"	16"	15"	19"	12"	16"	13"	17"
3	0.375	17"	22"	22"	28"	15"	19"	19"	25"
4	0.500	22"	29"	29"	38"	19"	25"	25"	33"
5	0.625	28"	36"	36"	47"	24"	31"	31"	41"
6	0.750	33"	43"	43"	56"	29"	37"	37"	49"
7	0.875	48"	63"	63"	81"	42"	54"	54"	71"
8	1.000	55"	72"	72"	93"	48"	62"	62"	81"
9	1.128	62"	80"	80"	105"	54"	70"	70"	91"
10	1.270	69"	89"	89"	116"	60"	78"	78"	101"
11	1.410	76"	98"	98"	128"	66"	85"	85"	111"

NOTES :-
1. ALL LAP SPLICE LENGTHS ARE CLASS 'A' UNLESS NOTED OTHERWISE.
2. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24".
3. CONCRETE LAP LENGTHS SHALL BE INCREASED BY 20% WHERE EPOXY COATING IS USED.
4. TOP BAR IS ANY HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW IT.

2006 IBC REBAR LAP SPLICE SCHEDULE

FOR MASONRY APPLICATIONS (ACI 530 - 05) (USING f'm = 2500 PSI)

(POSSIBLE APPLICATIONS)

(1) BAR AT ℄ OF WALL (VERTICAL OR HORIZONTAL) BAR SIZE NO.	DIA.	8" WALL	10" WALL	BARS AT EACH FACE OF WALL (VERTICAL OR HORIZONTAL) BAR SIZE NO.	DIA.	8" WALL	10" WALL
2	0.250	12"	12"	2	0.250	12"	12"
3	0.375	12"	12"	3	0.375	12"	12"
4	0.500	16"	16"	4	0.500	22"	22"
5	0.625	20"	20"	5	0.625	36"	36"
6	0.750	33"	30"	6	0.750	54"	54"
7	0.875	46"	35"	7	0.875	63"	63"
8	1.000	MECH. COUPLER	MECH. COUPLER	8	1.000	MECH. COUPLER	MECH. COUPLER
9	1.128	MECH. COUPLER	MECH. COUPLER	9	1.128	MECH. COUPLER	MECH. COUPLER

NOTES:

1. MECHANICAL COUPLERS ARE REQUIRED FOR BARS IN MASONRY AS NOTED IN THE SCHEDULE.
2. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN IN SCHEDULE.
3. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITIES.

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WEBER STATE UNIVERSITY
NEW RESIDENTIAL LIFE BUILDING

DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408

SEAL

MHTN PROJECT NO. 2009566.00

DRAWN BY: BLP CHECKED BY: JLA

ISSUED:

NO.	DATE	DESCRIPTION
1	29 MARCH 2010	CONSTRUCTION DOCUMENTS
2	20 APRIL 2010	STATE REVIEW COMMENTS
3	27 APRIL 2010	CONSTRUCTION BID DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	5 MAY 2010	ADDENDUM #2

SHEET NAME

SCHEDULES

CONSTRUCTION BID DOCUMENTS
27 APRIL 2010

SHEET NUMBER

SG601

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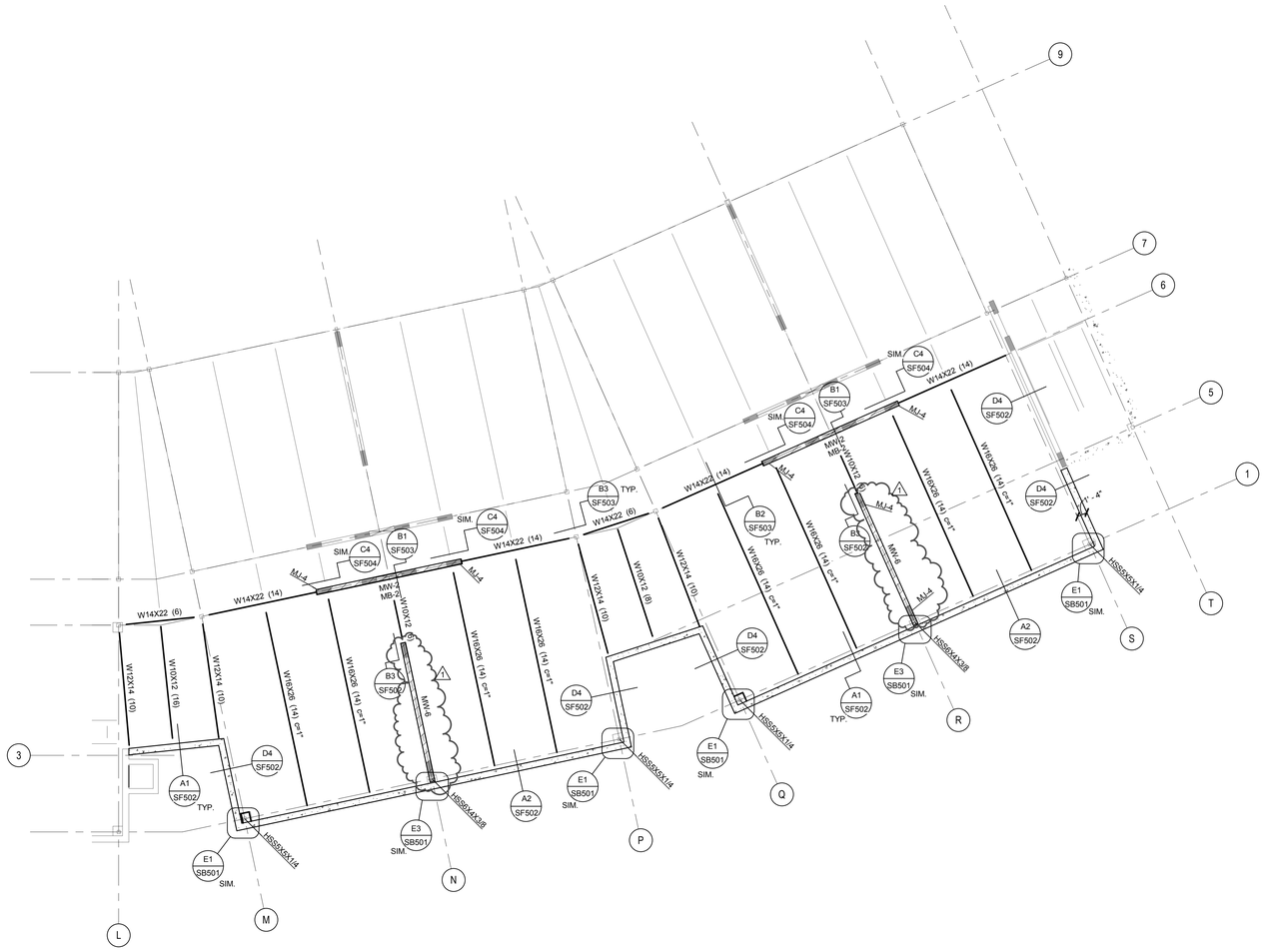
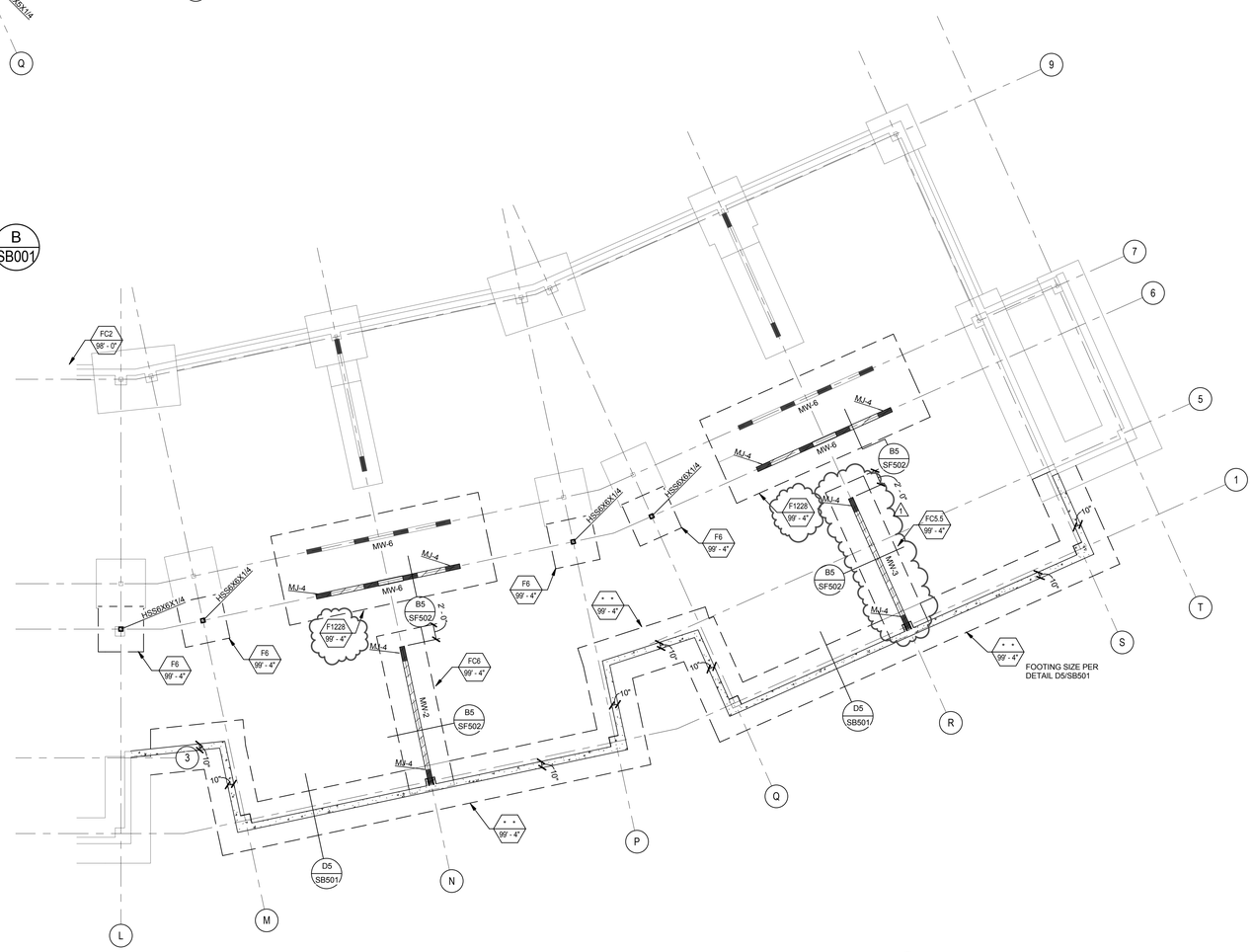


ADD ALTERNATE SECOND FLOOR FRAMING PLAN

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

B
SB001



ADD ALTERNATE FOOTING FOUNDATION PLAN

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

A
SB001

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SHEET NAME

ADD ALTERNATE #1

CONSTRUCTION BID DOCUMENTS
27 APRIL 2010

SHEET NUMBER

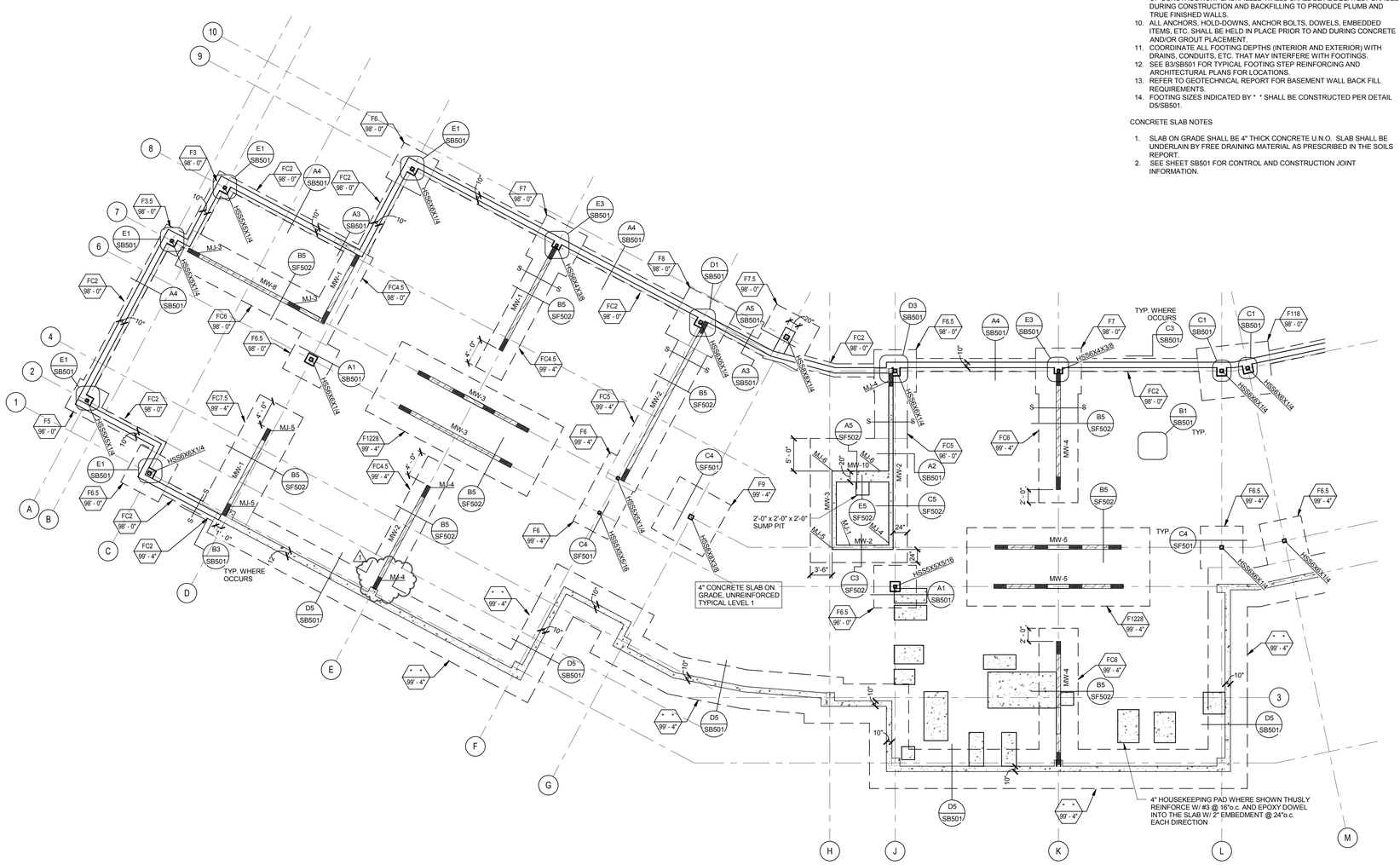
SB001

FOOTING & FOUNDATION NOTES

1. SEE SHEET SG001FOR GENERAL STRUCTURAL NOTES.
2. ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED PER THE SOILS REPORT FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES.
3. ALL COLUMN FOOTINGS SHALL BE CENTERED BELOW COLUMNS U.N.O.
4. VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.
5. SEE SHEET SG601FOR FOOTING SCHEDULE.
6. PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
7. SEE SHEET SB501FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
8. ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
9. FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
10. ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
11. COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS.
12. SEE B3/SB501 FOR TYPICAL FOOTING STEP REINFORCING AND ARCHITECTURAL PLANS FOR LOCATIONS.
13. REFER TO GEOTECHNICAL REPORT FOR BASEMENT WALL BACK FILL REQUIREMENTS.
14. FOOTING SIZES INDICATED BY * * SHALL BE CONSTRUCTED PER DETAIL D5/SB501.

CONCRETE SLAB NOTES

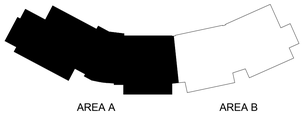
1. SLAB ON GRADE SHALL BE 4" THICK CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY FREE DRAINING MATERIAL AS PRESCRIBED IN THE SOILS REPORT.
2. SEE SHEET SB501 FOR CONTROL AND CONSTRUCTION JOINT INFORMATION.



FOOTING & FOUNDATION PLAN - AREA 'A'

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

1
SB101A



KEY PLAN

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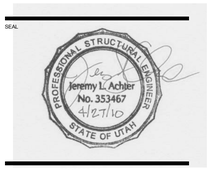

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NO.	DATE	DESCRIPTION
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SHEET NAME

FOOTING & FOUNDATION PLAN

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

SB101A

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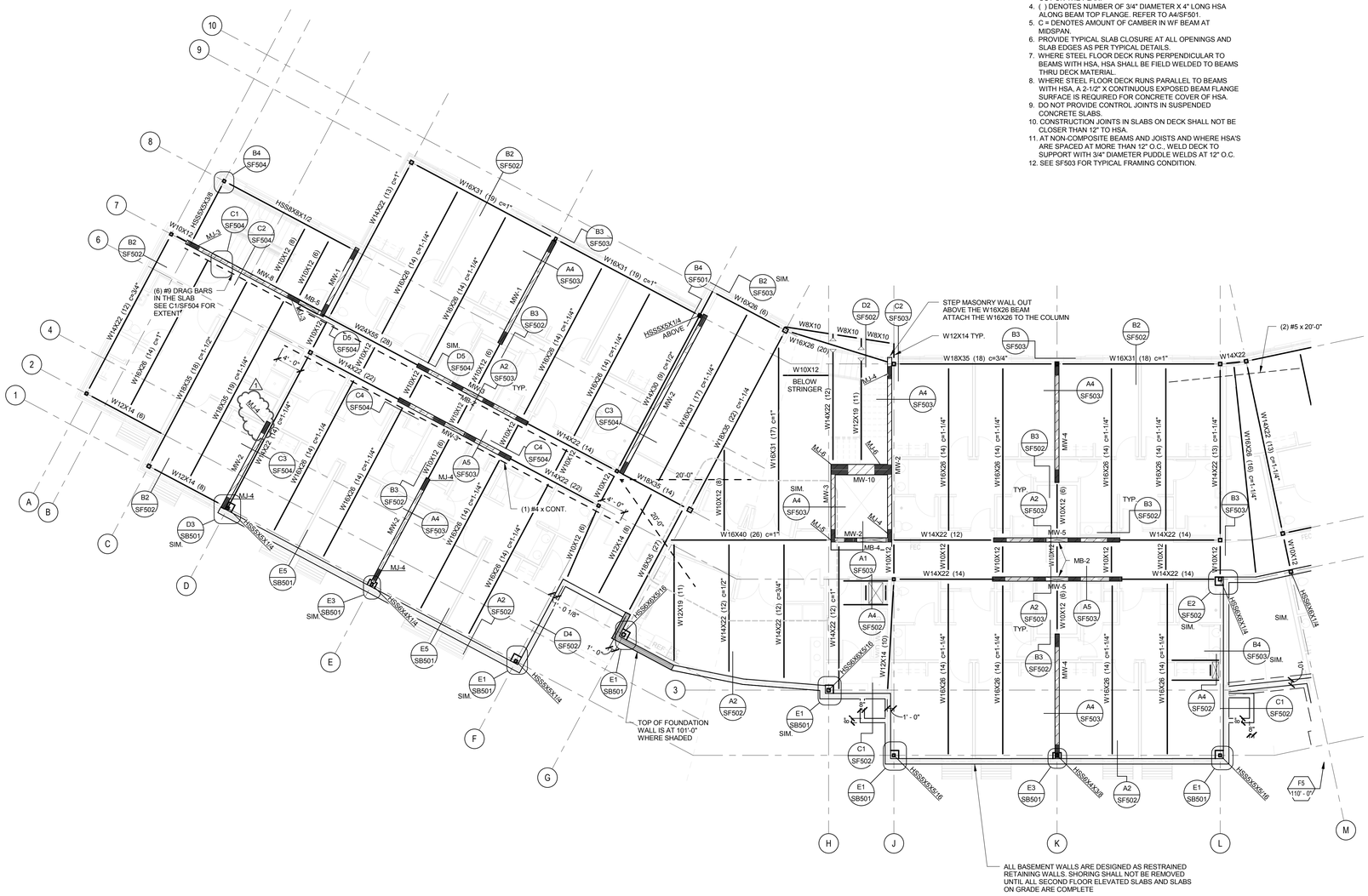
FLOOR FRAMING NOTES :

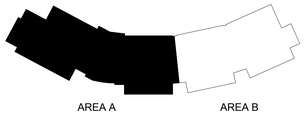
1. SEE SHEET SG001 FOR GENERAL STRUCTURAL NOTES
2. CONCRETE FLOOR SLABS TO BE 5 1/2" THICK ON 20 GAUGE "W2" DECK REINFORCED WITH FIBERMESH UNLESS NOTED OTHERWISE.
3. THE LEVEL 2 FLOOR SLAB ON METAL DECK SHALL BE REINFORCED W/ #4 @ 24"o.c. EACH DIRECTION. THE LEVEL 3 FLOOR SLAB SHALL BE REINFORCED WITH FIBERMESH THROUGHOUT AND REBAR WHERE SPECIFICALLY CALLED OUT ON THE PLAN.
4. ( ) DENOTES NUMBER OF 3/4" DIAMETER X 4" LONG HSA ALONG BEAM TOP FLANGE, REFER TO A4/SF501.
5. C = DENOTES AMOUNT OF CAMBER IN WF BEAM AT MIDSPAN.
6. PROVIDE TYPICAL SLAB CLOSURE AT ALL OPENINGS AND SLAB EDGES AS PER TYPICAL DETAILS.
7. WHERE STEEL FLOOR DECK RUNS PERPENDICULAR TO BEAMS WITH HSA, HSA SHALL BE FIELD WELDED TO BEAMS THRU DECK MATERIAL.
8. WHERE STEEL FLOOR DECK RUNS PARALLEL TO BEAMS WITH HSA, A 2-1/2" X CONTINUOUS EXPOSED BEAM FLANGE SURFACE IS REQUIRED FOR CONCRETE COVER OF HSA.
9. DO NOT PROVIDE CONTROL JOINTS IN SUSPENDED CONCRETE SLABS.
10. CONSTRUCTION JOINTS IN SLABS ON DECK SHALL NOT BE CLOSER THAN 12" TO HSA.
11. AT NON-COMPOSITE BEAMS AND JOISTS AND WHERE HSA'S ARE SPACED AT MORE THAN 12" O.C., WELD DECK TO SUPPORT WITH 3/4" DIAMETER PUDDLE WELDS AT 12" O.C.
12. SEE SF503 FOR TYPICAL FRAMING CONDITION.



SECOND FLOOR FRAMING PLAN - AREA 'A'

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

1 SF102A



KEY PLAN

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DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408

SEAL

PROFESSIONAL STRUCTURAL ENGINEER
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No. 353467
4/27/10
STATE OF UTAH

MHTN PROJECT NO: 2009566.00

DRAWN BY: BLP CHECKED BY: JLA

ISSUED:

NO.	DATE	DESCRIPTION
1	29 MARCH 2010	CONSTRUCTION DOCUMENTS
2	20 APRIL 2010	STATE REVIEW COMMENTS
3	27 APRIL 2010	CONSTRUCTION BID DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	5 MAY 2010	ADDENDUM #2

SHEET NAME

SECOND FLOOR FRAMING PLAN - AREA 'A'

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

SF102A

X:\DRAWINGS 2009\09298 - WSU Res Life\09298 - WSU Residential Life Building_benjaminp.rvt
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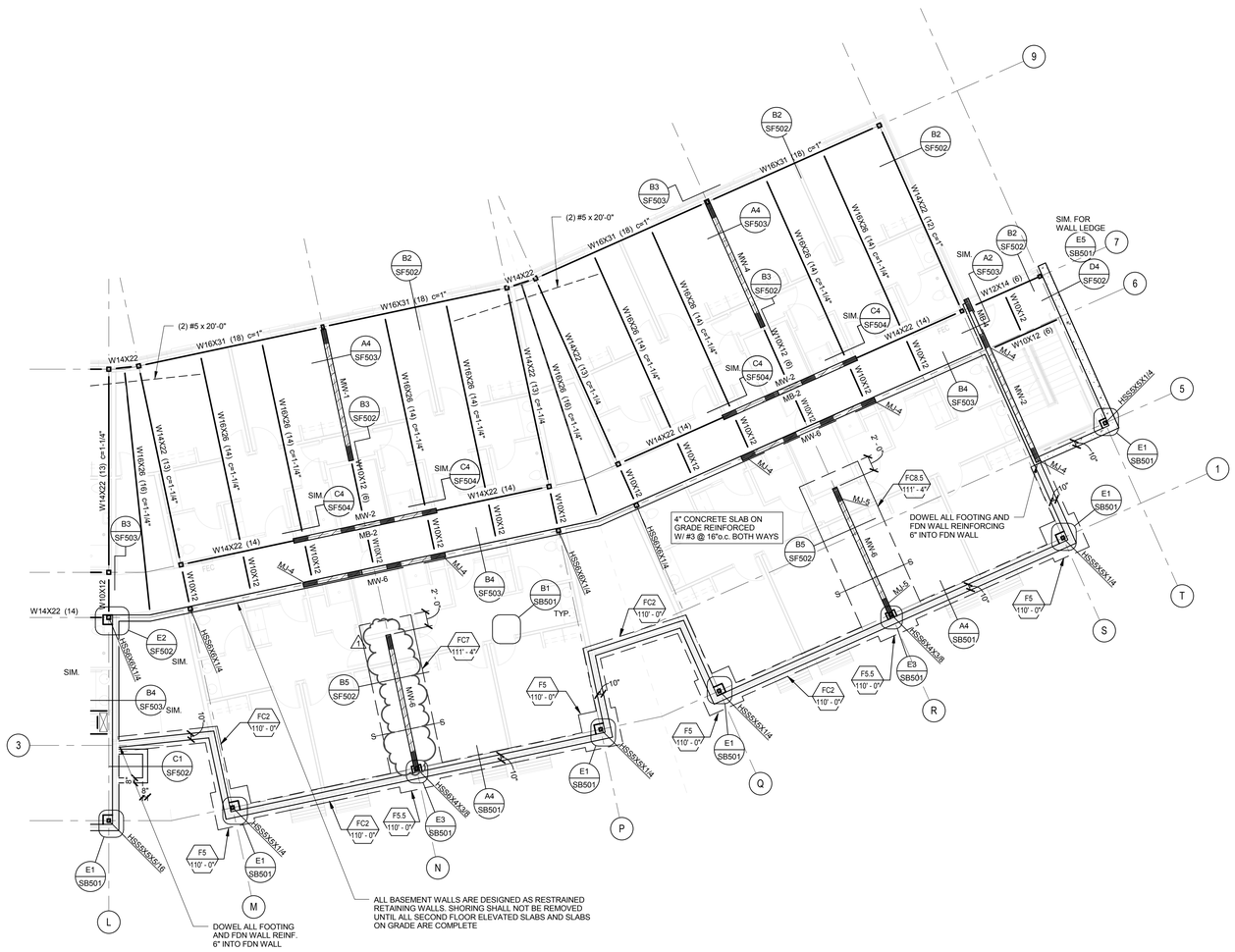
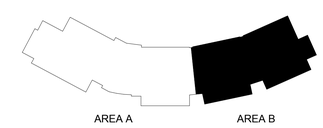
SEE SHEET SF102A FOR FLOOR FRAMING NOTES.



SECOND FLOOR FRAMING PLAN - AREA 'B'

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

1 / SF102B



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CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	5 MAY 2010	ADDENDUM #2

SHEET NAME

SECOND FLOOR FRAMING PLAN - AREA 'B'

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

SF102B

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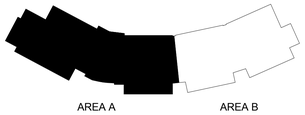
5/4/2010 8:51:14 AM

SEE SHEET SF102A FOR FLOOR FRAMING NOTES.

THIRD FLOOR FRAMING PLAN - AREA 'A'

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

1
SF103A



KEY PLAN

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DRAWN BY: BLP CHECKED BY: JLA

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NO.	DATE	DESCRIPTION
1	5 MAY 2010	ADDENDUM #2

SHEET NAME

THIRD FLOOR FRAMING PLAN - AREA A

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

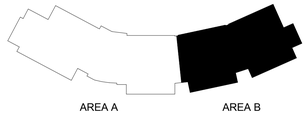
SF103A

SEE SHEET SF102A FOR FLOOR FRAMING NOTES.

THIRD FLOOR FRAMING PLAN - AREA 'B'

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

1
SF103B



KEY PLAN

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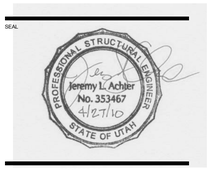
SEAL



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SHEET NAME

THIRD FLOOR FRAMING PLAN - AREA 'B'

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

SF103B

SECTION 224450 - PLUMBING EQUIPMENT

PART 1 - GENERAL

1.1 WORK INCLUDED

A. Storage Tanks

B. Water Softener

C. Solar Collectors

1.2 RELATED WORK

A. Requirements: Provide Plumbing Equipment in accordance with the Contract Documents.

Section 221410 - Plumbing Piping.
Section 221430 - Plumbing Specialties.
Section 224440 - Plumbing Fixtures
Section 230500 - Basic Mechanical Requirements.
Section 230529 - Basic Mechanical Materials and Methods.
Section 230540 - Mechanical Sound and Vibration Control.
Section 230548 - Mechanical Seismic Control.
Section 230593 - Testing, Adjusting and Balancing
Section 230700 - Mechanical Insulation
Section 230900 - Controls
Section 231123- Natural Gas Systems.
Section 232113 - HVAC Piping & Specialties
Section 232123 - HVAC Pumps
Section 232500 - Chemical Water Treatment
Section 235100 - Breechings, Chimneys, Stacks and Flues.

1.3 SYSTEM DESCRIPTION

A. The work includes, but is not limited to providing the following:

1. Liquid Flat Plate Collectors

1.4 REFERENCES

A. Reference Standards: Except as modified by governing codes and by the Contract Documents, comply with the applicable provisions and recommendations of the following:

1. Comply with ASHRAE 93-77 (ANSI B198.1) Methods of Testing TO DETERMINE THE THERMAL PERFORMANCE OF SOLAR COLLECTORS.

1.5 SUBMITTALS

A. Shop Drawings: Submit Shop Drawings and Product Data for the following items in accordance with the General Conditions of the Contract:

1. Solar Collectors

B. Test Reports: Submit certified test data for the Collector assembly by an independent lab showing compliance with ASHRAE 93-77 and in accordance with General Conditions of the Contract.

1.6 WARRANTIES

A. Provide original warranties for specific equipment of term specified and in accordance with Section 230500.

B. Solar Collector Warranty: Provide written warranty signed by manufacturer, agreeing to replace/repair defective units where materials or workmanship failures have resulted in leakage of liquid, obstruction of liquid flow, excessive internal soiling, significant loss of efficiency, abnormal aging or deterioration of materials or finishes, or other failures of units or forms of deterioration causing units to not perform as initially required; warranty includes disconnection, removal, reinstallation and reconnection of units.

C. Solar collector product warranty period shall be for a period of 5 years from date of substantial completion as defined in the General Conditions of the Contract

PART 2 - PRODUCTS

2.1 PRODUCT ACCEPTANCE

A. Acceptable Manufacturers are listed for each product, and manufacturers shall submit products that are in fact equivalent in all respects of material, design, function, size, and appearance to the manufacturer specified. Deviations of any type will not be acceptable.

B. Where acceptable manufacturers are not listed, only the manufacturer specified will be accepted.

C. All equipment of like use and nomenclature shall be supplied by one manufacturer only.

2.2 HOT WATER STORAGE TANK

A. Acceptable Manufacturers:

1. American Steel and Iron Works Denver, Co.
2. Western Filter Co., Denver Co.
3. Lochinvar
4. Weben-Jarco
5. Wessels
6. A.O. Smith
7. Adamson
8. Bradford White
9. Hansen Tank

10. Hamilton
11. Rheem
12. PVI
13. Heat Transfer Products
14. Ace/Ajax
15. Laars

B. Provide an ASME certified and labeled and National Board Certified tank, NSF approved epoxy phenolic or polyamide lined, domestic hot water storage tank for 150 psig working pressure. Tank manufacturer to provide tappings of sizes, type and locations required by the contract documents. Provide stratification baffle guarantee 80% draw down without drop in outlet temperature.

C. Provide ASME temperature and Pressure relief valves, tank drain valve, and dielectric unions for all piping connections at tank.

D. Factory paint tank with rust inhibitor primer and finish with two coats of heat resistant black epoxy enamel.

2.3 DOMESTIC HOT WATER CIRCULATING PUMPS

A. Acceptable Manufacturers:

1. Taco
2. Bell and Gossett
3. Grundfos
4. Armstrong
5. Patterson

B. Provide in-line type circulating pumps, all bronze construction, <cast iron> <bronze> face bracket, cast bronze one piece enclosed type impeller hydraulically and dynamically balanced, alloy steel shaft with cupro-nickel shaft sleeve, carbon/ceramic mechanical shaft seal, non metalic noiseless coupler, resilient mounted dry proof motor with sleeve bearings and over load protection, pump bearing and seal assembly shall be replaceable cartridge design, one cartridge and seal to fit all pumps supplied, provide two extra cartridges and seals, oil level dip sticks (one for each pump), and oil drain plug, 125 psig @ 240 deg.F rating.

C. Provide one aquastat pump operating switch for remote mounting as shown on drawings. (One switch per pump).

D. Schedule: See Drawings.

2.4 LIQUID FLAT PLAT COLLECTORS

A. Acceptable Manufacturers: Heat Transfer, Viessmann, Solar Twin, Novan, Silicon Solar inc., Integrated Solar, Apricus.

B. General: Provide manufacturer's standard or custom fabricated liquid solar collector units of the sizes and shapes indicated, complying with the following requirements for materials, finishes, performances, and fabrication details, complete with provisions for installation/anchorage in the positions indicated.

C. The flat plate collector modules from the top to the bottom in cross-section shall consist of the following layers:

1. A tempered single glass cover plate, double strength and 1/8 inch minimum thickness, low iron content. Edges to be swiped.
2. An inner air space.
3. An absorber plate, coated with selective surface film, containing passage ways for circulating water.
4. A backside layer of insulation.

D. These layers shall be supported with a frame and covered with a backside cover plate. The housing for the collector modules shall be weatherproof to avoid water condensation when exposed to outdoor weather conditions. The collector modules shall be identical in size and appearance.

E. Absorber plate shall be metal and shall be soldered or mechanically bonded to the collector fluid passages. The contact areas of the absorber plate with the fluid passage shall be 50% of the exterior area of the fluid passage tube. Effective absorber area shall not be less than 85% of total frontal area.

F. Selective surface shall be black chrome with a minimum absorbitivity of 0.90 and a maximum emissivity of 0.15.

G. Fluid passage tube shall be a maximum of 6 inches on center. Tubes and manifold shall be connected in a reverse return flow pattern within each panel. Manifold and tubes shall be pressure tested to 150 PSI working pressure, manifold and tubes shall be copper. Pressure drops thru panel with water is not to exceed 0.5 psig at 0.03 gpm flow per square foot of absorber.

H. Insulation: The back of the absorber panel shall be insulated with a material to meet the following:

1. Minimum "U" factor 0.10 BTU/sq. ft./deg. F. for total thickness.
2. Insulation shall withstand temperatures up to 450 deg. F. without "outgassing" or thermal resistance degradation.

I. The edge and ends of the absorber panel shall be thermally insulated or isolated from the casing.

J. Casing: The exterior casing of the panel shall be sheet metal or extruded aluminum bolted, screwed or welded together. Tape shall not be used to hold frame together. The casing shall be rigid enough to support total unit including glass in handling and shipping without undue deflection. Casing shall have mounting brackets at easily accessible points for ease of installation. Casing and glazing frame shall allow for removal and replacement of cover glass without removing the collector panel. Casing must be totally weatherproof without additional housing or flashing.

K. Materials used in casing, gasketing, glazing, mounting and finishing shall not "outgas" at temperatures up to 450 deg. F. All materials and assemblies must be capable of operating over an ambient temperature range from -40 deg. F. to 130 deg. F.

L. Collectors shall not exceed 7.5 lbs/sq. ft. of total frontal area.

M. Collector assembly shall be tested by an independent lab in accordance with the latest procedures as outlined in ASHRAE 93-77. This test data is to be submitted with the shop drawings for the collector.

N. Mounting Provision: The sided and/or ends of the collector casing shall be designed to allow for easy mounting of collectors to support frame. Manufacturer to furnish all supports, bracing and cross-bracing to withstand 90 mph winds from any direction.

O. Piping connections to the collector shall be as shown on the drawing. Alternate piping connections may be submitted with a complete array piping layout and details. Alternate piping connections and layouts shall be submitted to the Engineer for acceptance. Provide all required fittings, O-rings, etc. for complete operational system.

P. If collectors of a different size are submitted, the contractor and/or manufacturer shall submit F-Chart data indicating equal or greater energy output than the collector specified and shown. This performance verification shall use the ASHRAE 93-77 efficiency curve and the net aperture area of the total array of the collector specified.

Q. The F-Chart run shall be based on the following:

1. Collector Inlet Temperature: 40°F
2. Flow Rate: 0.8 gpm/ft^2
3. Tilt: 42°F
4. Azimuth: 180°F
5. Location: Roof

R. The F-Chart run shall be for a full year by months. The contractor and/or manufacturer shall provide additional structure, piping and other items necessary for a complete and working system caused by a change from the base specified collector.

PART 3 - EXECUTION

3.1 HOT WATER STORAGE OR ACCUMULATOR TANK

A. Provide structural 2" dia schedule 40 black steel welded pipe stand with 2" pipe cross bracing, 6" x 6" x 1/8" steel leg support plates, 3" wide rolled steel (to tank diameter) saddles with 1/8" plate stiffners, 3" wide x 1/4" thick neoprene pads between saddles and tank.

B. Set stand level and absolutely plumb, slope tank slightly using saddles as shim mechanism, to drain valve at one end of tank to facilitate complete draindown.

C. Provide unions and gate valves for complete isolation of the tank from the system.

D. Provide relief valve with drain extension air gapped to appropriate receptacle.

E. Tank tappings shall be provided as detailed or appropriate, ASME welded tank flanges or nipples.

3.2 DOMESTIC HOT WATER CIRCULATING PUMPS

A. Coordinate wall mounted "on-off" toggle switch for pump and electrical power requirements with Division 26 Contractor in accordance with Section 230529 - Basic Mechanical Materials and Methods.

B. Set pump level, plumb and square where indicated on contract documents on vertical pipe leg extended to and supported by floor, provide floor plate and capped leg at floor.

C. Provide drain valve on pump support leg at 18" above floor.

D. Anchor vertical pump leg pipe so as to prevent movement and vibration.

3.3 INSTALLATION OF LIQUID FLAT PLATE COLLECTORS

A. General: Except as otherwise indicated, install liquid solar collectors including components required, in accordance with manufacturer's instructions.

B. Locate each unit accurately in the position indicated in relation to other work. Position unit with sufficient clearance for installation of piping and for normal service and maintenance, including clearance for removal.

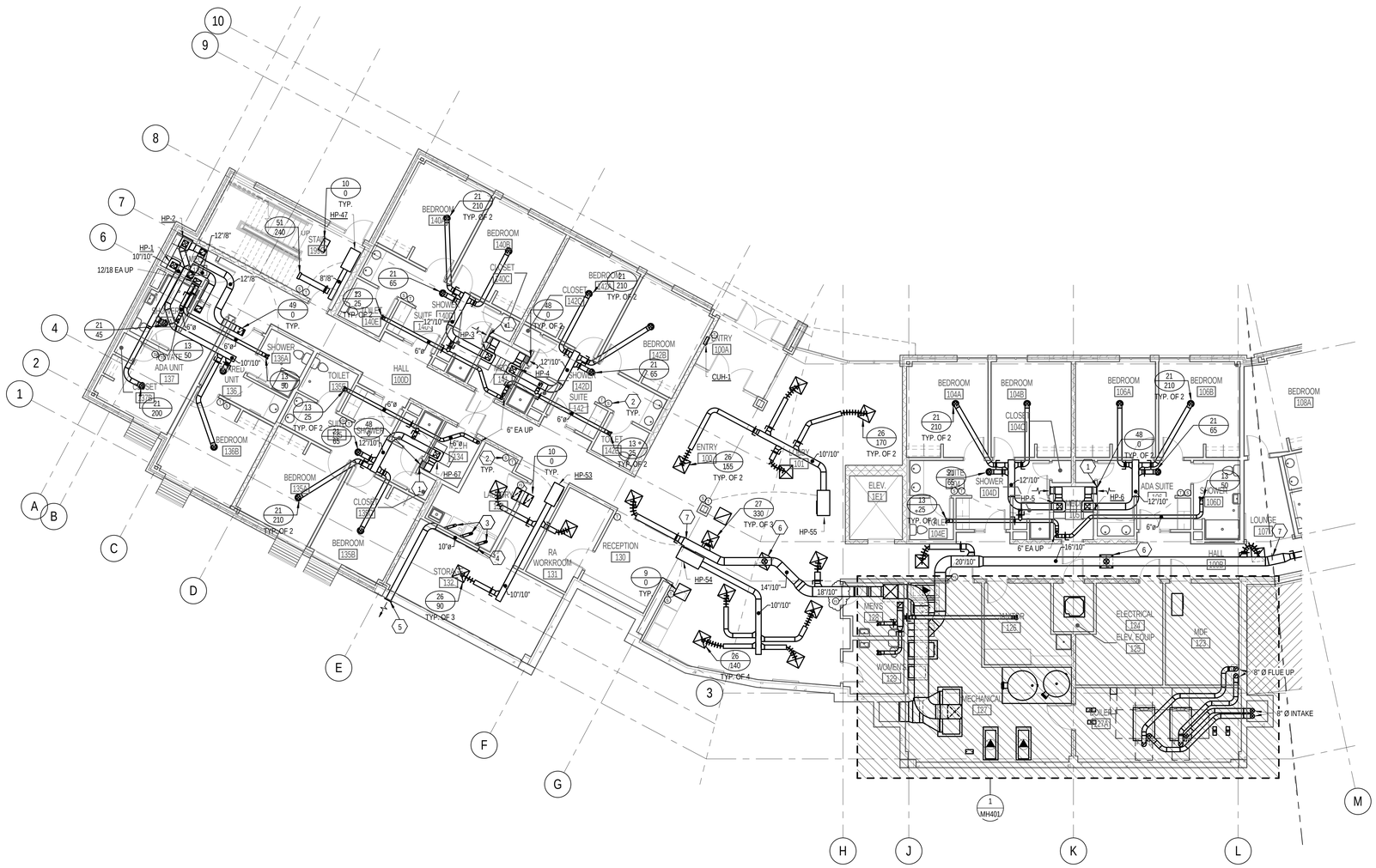
C. Pitch units to the indicated angle, within indicated tolerances. Install shims as required. Anchor securely to supporting structure or substrate as indicated, installing manufacturer's standard recommended support and anchorage system, designed to withstand maximum wind pressures at project site.

D. Installation of piping including hydrostatic testing of completed installation shall be in accordance with Section 232113 - HVAC Piping.

3.4 FIELD QUALITY CONTROL

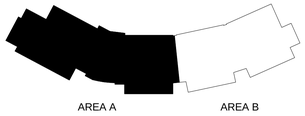
A. Repair or replace solar collector units which leak or fail to perform as indicated, or are damaged or have broken their seals.

END OF SECTION 224450



1 LEVEL 1 MECHANICAL FLOOR PLAN - AREA "A"

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



KEYED NOTES

1. MMOUNT GRILLE AS HIGH AS POSSIBLE BELOW CEILING. DROP RETURN DUCT DOWN AND CONNECT TO HEAT PUMP. (TYPICAL).
2. CO2 SENSOR (TYP.)
3. PROVIDE AND INSTALL BACKDRAFT DAMPER IN 4"Ø DRYER VENT RISE AS REQUIRED BY MANUFACTURER.
4. PROVIDE CLEANOUT AT END OF DRYER VENT DUCT.
5. PROVIDE DRYER VENT WEATHER HOOD WITH 10"Ø NECK FLUSH WITH WALL.
6. DIFFUSER TO TAP OFF BOTTOM OF DUCT. PROVIDE WITH MANUAL VOLUME DAMPER.
7. DUCT SLICE BELOW BEAM.

GENERAL NOTES

A. PROVIDE A WATER TIGHT PAN THAT IS 2" DEEP AND 6" LARGER THAN ANY PLUMBING, MECHANICAL PIPING, OR MECHANICAL EQUIPMENT INSTALLED OVER ANY ELECTRICAL EQUIPMENT OR GEAR.

B. FIRE/SMOKE DAMPER MOTORS TO BE MOUNTED TO SIDE OF NEAREST CEILING ACCESS HATCH OR OPEN CEILING AREA. PROVIDE DUCT ACCESS AS REQUIRED. TYPICAL.

C. ALL RECTANGULAR SUPPLY AND RETURN DUCT TO BE INTERNALLY LINED WITH 1" LINER.

D. COORDINATE DUCTWORK AND EQUIPMENT WITH ALL TRADES.

E. DIFFUSER DUCT RUNOUTS SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE.

F. PROVIDE 18" X 18" ACCESS DOOR TO ALL FIRE/SMOKE AND MOTORIZED DAMPERS.

G. DASHED LINES AROUND MECHANICAL EQUIPMENT SHOWN AS CLEARANCE AREA. KEEP DASHED AREAS CLEAR. TYPICAL.

H. SUPPLY DIFFUSERS FROM BOTTOM OF DUCT TO HAVE DAMPERS.

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MHTN PROJECT NO. 2009566.00

DRAWN BY: TCF CHECKED BY: BRC

ISSUED:

NO.	DATE	DESCRIPTION
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2	20 APR 2010	STATE REVIEW COMMENTS
3	27 APR 2010	CONSTRUCTION BID DOCUMENTS
4	03 MAY 2010	STATE REVIEW COMMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

SHEET NAME

LEVEL 1 MECHANICAL PLAN - AREA "A"

CONSTRUCTION BID DOCUMENTS

27 APRIL 2010

SHEET NUMBER

MH101A

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3/4 HP	10 HP	10 HP	10 HP	10 HP	1 1/2 HP	1/2 HP	1.5 HP
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3	3	3	3	3	3	3	3
3.22	32.2	32.2	31	31	5.75	2.3	5.75
3#12	3#6	3#6	3#6	3#6	3#12	3#12	3#12
1#12	1#10	1#10	1#10	1#10	1#12	1#12	1#12
3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
–	60	60	--	–	30	--	30
–	45	45	--	–	7.5	--	7.5
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4	3	3	4	4	3	4	3

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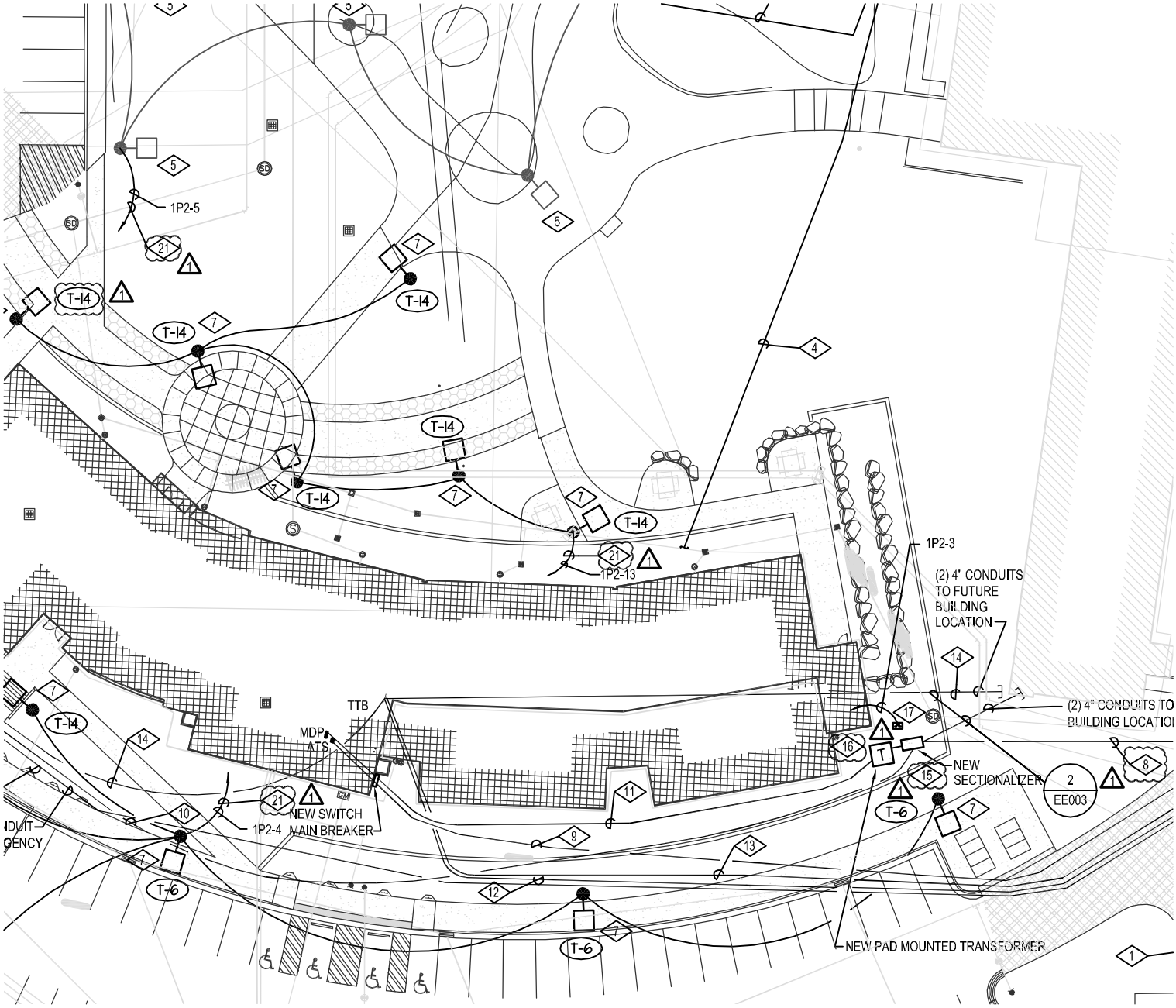
NEW RESIDENTIAL LIFE BUILDING

ECE PROJECT NO. 3889

DATE: 05-05-10

SHEET NUMBER
AD02-E01

SHEET REFERENCE
EE004



REFERENCE NOTES:

21 TIE EXTERIOR LIGHTS TO THE CIRCUIT INDICATED THROUGH THE TIME CLOCK.

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ECE PROJECT NO. 3889

DATE: 05-05-10

SHEET NUMBER
AD02-E02

SHEET REFERENCE
ES101

ASBESTOS, LEAD AND HAZARDOUS MATERIALS
INSPECTION, SURVEY AND ASSESSMENT
FOR THE

LA SAL HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

ASBESTOS SURVEY AND ASSESSMENT
FOR THE

LA SAL HALL
CAMPUS STUDENT HOUSING

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DFCM PROJECT NUMBER: 09030300

WEBER STATE UNIVERSITY

February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
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ASBESTOS SURVEY AND ASSESSMENT
LASAL HALL
WEBER STATE UNIVERSITY

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1.0 EXECUTIVE SUMMARY

Asbestos Survey and Assessment
La Sal Hall
Weber State University
Ogden, Utah 84322

An asbestos survey was conducted at the subject facility during December 2009.

The building was visually inspected to identify building materials that might contain asbestos. Bulk samples were collected from suspect materials and analyzed to determine if they contained asbestos. All asbestos-containing materials (ACM) were assessed for damage and the potential for exposure. This survey was requested and approved by Mr. Robert J. Anderson, Hazardous Materials Manager, State of Utah, Division of Facilities Construction and Management.

The following table lists all ACM that were identified in the building. Information specific to the building concerning inaccessible areas / materials and recommended response actions can be found in this report. There is important information in these sections that is not included in this executive summary. This report should be read in its entirety, including detailed information that is contained in other sections and appendices of this report.

Asbestos-Containing Materials by Homogeneous Area
La Sal Hall
Weber State University

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Tan with Brown Streaks; Black Tar Mastic Rooms: 102, 103, 104, 105, 106, 107, 109, 111, 117, 118, 125, 126	7% Chrysotile (tile) None Detected (mastic)	2,502 SF	$9,563.70
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Cream with White and Brown Streaks; Black Tar Mastic Rooms: 114, 122	> 1% Chrysotile (tile) > 1% Chrysotile (mastic)	293 SF	$1,274.55
M03	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Green with White and Green Streaks; Brown Resin Mastic Rooms: 235	8% Chrysotile (tile) None Detected (mastic)	102 SF	$290.70

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
M13	**Tar Sealant – Radiators** Black Tar Sealant with Limestone Rooms: 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	15% Chrysotile	63 Units	$13,230.00
M	**Cinderblock Filler** Off-white Binder with Mica and Limestone Rooms: 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435	> 1% Chrysotile	22,013 SF	$198,117.00
S03	**Plaster Surfacing – Popcorn** White Plaster with Vermiculite Rooms: 199, 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 299, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 399, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435, 499	Up to 7% Chrysotile	9,017 SF	$32,461.20
T01	**Thermal System Insulation – Mudded Fitting** Gray Plaster with Mineral Wool Rooms: Tunnels, 113, 114, 122, 123, 124, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Up to 3% Chrysotile	495 Fittings	$23,760.00
T02	**Thermal System Insulation – Tank Jacket** Gray Plaster with Mineral Wool Rooms: 124	5% Chrysotile	85 SF	$3,060.00

Notes:
1. Homogeneous Area Number (Not related to building room numbers.)
2. Cost Estimates include asbestos removal costs only; abatement design and management fees and replacement costs are not included. Please refer to Section 7.0 for more details.

Asbestos Survey and Assessment
La Sal Hall
Weber State University

2.0 INTRODUCTION

During December 2009, R & R Environmental, Inc., conducted an asbestos survey of the LaSal Hall located at Weber State University, Ogden, Utah. The purpose of this survey was to identify the existence, extent, and condition of both friable and non-friable asbestos-containing materials (ACM) within the facility. Bulk samples were collected from suspect materials and analyzed for asbestos content. Each occurrence of ACM was assessed for damage and friability.

The following accredited and certified inspectors performed the inspection, collected the samples and made assessment:

February 22, 2010

Jon R. Craig
State of Utah, Division of Air Quality Inspector
Certification Number: ASB-2934

Date

This report was reviewed by:

February 22, 2010

David C. Roskelley, MSPH, CIH, CSP
State of Utah, Division of Air Quality Inspector
Certification Number: ASB-1370
AHERA Inspector #5 PSI 65451 I
Certified Safety Professional #15774
Certified Industrial Hygienist #8529

Date

3.0 BUILDING DESCRIPTION

Building Identification

Building Name ..... LaSal Hall
Building Address .....Weber State University, Ogden, Utah 84322

Building Construction

Building Construction Date ..... ~1965
Building Type .....Apartments
Building Total Sq. Ft..... ~26,400
Structural System .....Steel, reinforced concrete
Exterior Wall Construction ..... Brick, concrete
Floor Deck Construction..... Concrete
Roof Construction..... Flat, Built-up Tar
Floors Above Grade 4
Floors Below Grade 0

Interior Finishes

Floors .....Concrete, ceramic tile, vinyl floor tile, rolled vinyl, carpet
Walls ..... Plaster, cinderblock, concrete
Attic.....No
Crawl space .....Yes (Tunnels)

Building Mechanical

Heating Plant..... Boiler
Main Heating Distribution ..... Radiant
Cooling Plant ..... A/C Units
Main A / C Distribution ..... Forced Air

4.0 SURVEY PROCEDURES

4.1 Building Survey

All accessible areas of the facility were visually inspected to identify suspect asbestos containing materials (ACM.) All accessible surfaces, structures, and mechanical systems within these areas were examined and all suspected ACM was touched to determine friability.

Suspect ACM was identified and assessed in homogeneous areas. A homogeneous area is defined as a single material, uniform in texture and appearance, installed at one time, and unlikely to consist of more than one type, or formulation, of material. In cases where joint compound and / or tape has been applied to wallboard (gypsum board) and cannot be visually distinguished from the wallboard, it is considered an integral part of the wallboard and in effect becomes one material forming a wall or ceiling "system."

Each homogeneous area was given a unique material identification number. Each ID number begins with a letter: "S" for surfacing materials, "T" for thermal system insulation, or "M" for miscellaneous materials. This letter is followed by a two-digit number, assigned in consecutive order. This number is used to identify the homogeneous area throughout the inspection report.

4.2 Bulk Sample Collection

Bulk samples were collected from all accessible homogeneous areas of suspect ACM for subsequent laboratory analysis to determine actual asbestos content. Sampling was conducted in a manner that minimized damage to the building, did not leave any unsightly marks, and did not create a health hazard for the inspectors.

The number of samples collected from each homogeneous area generally followed the EPA AHERA regulations (40 CFR 763.86). Friable surfacing materials were sampled using the random sampling scheme given in the EPA publication 560 / 5-85-30a, titled "Asbestos in buildings: Simplified Sampling Scheme for Friable Surfacing Materials."" Between three and seven samples were collected from friable surfacing materials, depending on the size of the homogeneous area.

4.3 Bulk Sample Analysis

Bulk samples were analyzed using polarized light microscopy (PLM) and visual estimation in accordance with the EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA-600 / M4-82-020. Samples were analyzed by Dixon Information, Inc., 78 West 2400 South, Salt Lake City, Utah 84115. The laboratory is accredited under the National Institute of Standards and Technology – National voluntary Laboratory Accreditation Program (NIST-NVLAP) for bulk-asbestos sample analysis and is also accredited by the American Industrial Hygiene Association (AIHA).

Federal EPA's NESHAP and AHERA regulations define ACM as material containing greater than 1% asbestos by weight; materials containing less than 1% asbestos are not considered regulated ACM.

Further, the NESHAP regulations state that any sample found to contain less than 10% asbestos but greater than "none detected," by visual estimation, must be assumed to contain greater than 1% asbestos unless confirmed to be less than 1.0% asbestos by point counting analysis. Any samples found to contain asbestos in this concentration range were assumed to contain greater than 1.0% asbestos and are listed in Section 5.8 of this report. All samples that have been point counted are identified as such in the sample result tables.

The laboratories reports can be found in Appendix D of this report.

5.0 SURVEY RESULTS

5.1 Asbestos-Containing Materials

Homogeneous areas of suspect ACM are identified as being ACM if the laboratory analysis shows the material to contain any detectable asbestos, unless subsequent TEM analysis resulted in less than 0.1% asbestos being detected. Table 1 of the Executive Summary and in Appendix A lists all homogeneous areas that were found to be ACM. Each material is described by type of material, friability and visual appearance.

Friability is defined in accordance with EPA's NESHAP regulations.

> "Friable ACM" is any material containing more than 1% asbestos (as determined by PLM) that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure and also includes non-friable ACM that may become friable during building demolition.
>
> "Non-friable ACM" is any material containing more than 1% asbestos (as determined by PLM) that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
>
> "Category I non-friable ACM" are asbestos-containing resilient floor coverings (commonly known as vinyl asbestos tile (VAT), asphalt roofing products, packings, and gaskets.
>
> "Category II non-friable ACM" encompasses all other non-friable ACM.
>
> "Non-friable RACM" is used to denote thermal system insulation that is in good condition but would become friable during renovation or demolition and therefore is "regulated asbestos containing material" (RACM).

5.2 Non-Asbestos-Containing Materials

Homogeneous areas of suspect ACM are identified as non-ACM if the laboratory analysis shows the material to contain no detectable asbestos. Table 2, located in Appendix A of this report, lists all homogeneous areas that were found to be non-ACM.

5.3 Bulk Sample Analytical Results

Table 3, located in Appendix A of this report, lists all of the bulk samples in order by sample number, that were collected from homogeneous areas of suspect ACM, along with the laboratory analytical results. Each sample was given a unique sample number. There may be more than one sample number for the same homogeneous area of suspect ACM. The homogeneous areas of suspect ACM are identified on this table by their material identification numbers. The sample location listed on this table provides a brief, but specific, description of the location where the sample was collected. This is different

than the homogeneous area location provided on Tables 1 and 2. Table 4 is the same as Table 3 except the entries has been sorted by homogeneous area number.

5.4 Damage and Hazard Assessment

Each homogeneous area of ACM has been assessed for existing damage, accessibility, and potential for future damage, and this information is presented in Table 5, located in Appendix A of this report. This table also lists the substrate present beneath each homogeneous area of ACM.

Each homogeneous area of friable ACM and asbestos-containing building material (ACBM) was classified into one of the following seven categories, as specified in EPA's AHERA regulations (40 CFR 763.88):

(1) Damaged or significantly damaged thermal system insulation ACM.
(2) Damaged friable surfacing ACM.
(3) Significantly damaged friable surfacing ACM.
(4) Damaged or significantly damaged friable miscellaneous ACM.
(5) ACBM with potential for damage.
(6) ACBM with potential for damage.
(7) Any remaining friable ACBM or friable suspected ACBM.

The damage categories are defined as follows:

> "Undamaged" means the material had no visible damage, or extremely minor damage or surface marring (i.e., a room full of floor tile with only two or three small corners chipped off on the tile).
>
> "Damaged" means the material had visible damage evenly distributed over less than 10% of its surface, or localized over less than 25% of its surface.
>
> "Significantly Damaged" means the material had visible damage that is evenly distributed over 10% or more of its surface, or localized over 25% or more if its surface.

Each homogeneous area of ACM was evaluated for accessibility to the building occupants and the general public, assuming the building was fully occupied, using the following assessment categories.

> "Inaccessible" means the material was located in an area that people had no reason to enter and could not access without special measures. One example would be above a solid ceiling.
>
> "Rarely Accessed" identifies a material that was in a location that could be accessed but wasn't unless there was a specific need. An example would be a

pipe tunnel. Another example would be a high ceiling that is out of reach and not subject to any specific disturbance.

"Periodic Access" identifies a material that was in a location that was accessible, was not occupied full time, but was accessed on a routine basis. An example would be a mechanical room or boiler room.

"Continuous Access" identifies a material that was in a location that was occupied full time and was within reach of the occupants, or was frequently subject to direct disturbance. Examples would be exposed floor tile or a normal height ceiling.

5.5 Hazard Ranking

A hazard ranking has been determined for every ACM, in each functional space (room), and is listed in Table 7, Appendix A. The Hazard Rank is derived from the material's current condition and potential for future disturbance.

The DFCM required hazard assessment process used here produces seven hazard Ranks. The rankings of potential hazard range from 7, most hazardous, to 1, least hazardous, and are used to determine abatement priority. The highest ranking is reserved for ACM that is "significantly damaged". Hazard rankings 6 to 4 reflect ACM that is "damaged" (slight damage is the term used in Table 7), with a ranking of 6 indicating a "potential for significant damage", and a ranking of 5 indicating a "potential for damage." Hazard rankings of 3 to 1 are reserved for materials currently in good condition, but with a range of moderate to low in the likelihood for future disturbance.

Note that these seven rankings are different from, and should not be confused with, the seven AHERA categories of damage and potential damage described in Section 5.4, above, and listed in Table 5. This hazard assessment scheme is also completely reversed from the current EPA Management Planner hazard assessment scheme where a hazard rank of 1 is the most hazardous.

5.6 Homogeneous Areas with Special Considerations

None

5.7 Suspect Materials Presumed to be Asbestos-Containing Materials without Laboratory Analysis

None

5.8 Inaccessible Areas

Interstitial spaces between the ceiling tile or plaster finished ceilings and the deck on the first floor. These areas may contain ACM Thermal System Insulation.

5.9 Material(s) assumed to contain >1.0% asbestos without subsequent TEM or Point Count Analysis

None

6.0 RESPONSE ACTION COMMENTS

6.1 EPA Requirements

Asbestos is regulated as a hazardous air pollutant by the Environmental Protection Agency (EPA) under the authority of the Clean Air Act. The asbestos regulations are included in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) and referenced as 40 CFR 61, Subpart M. ACMs identified in this report are subject to those regulations. Those regulations, and state and local regulations, should be carefully examined prior to renovation, demolition, cleanup, or any other activity which could disturb the ACMs, to ensure that all activities are in compliance with applicable requirements.

ACM is defined by the EPA, as any material containing greater than one precedent of asbestos. ACMs are categorized as being either friable or non-friable. Friable ACMs are those materials that can be easily crumbled, pulverized, or otherwise broken up using hand or finger pressure when dry, and are materials considered more likely to produce airborne asbestos fibers. Non-friable ACMs are materials that do not meet the above test, and are considered less likely to produce airborne asbestos fibers. Not all ACMs are regulated under NESHAP. Regulated ACM (RACM) means (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of regulated demolition or renovation operations. Regulated demolition and renovation operations are those where the quantity of ACM affected is 260 linear feet or more on pipes, 160 square feet or more on other components, or 35 cubic feet or more in volume. There are certain notification requirements for demolition projects involving less than the above quantities.

Briefly, EPA requires that RACM be removed from facilities scheduled for demolition or renovation before any activity begins that would break up, dislodge, or similarly disturb the materials or preclude access to the materials for subsequent removal. Category I non-friable ACM that is not in poor condition and is not friable does not have to be removed prior to demolition of a facility. **However, these materials are exempt from mandatory removal only during demolition, not renovation. Removal is mandated when renovation activities are expected to disturb these ACMs and render them friable.** Category II non-friable ACM also does not have to be removed prior to demolition if the probability is low that the material will become crumbled, pulverized, or reduced to powder (made friable) during demolition. However, state regulations may require the removal of these materials. Additionally, Category I non-friable ACM that has not become crumbled, pulverized, or reduced to powder during demolition activities may be disposed of as ordinary construction waste.

In any situation where ACM remains in a building, it should be managed under a comprehensive operations and maintenance program (O&M). The procedures and

guidelines described in an O&M program should be followed whenever building maintenance activities may disturb any ACMs present in the building.

6.2 Renovation Options

The mastic is non-friable ACMs. NESHAP regulations require the removal of non-friable ACMs before they are **disturbed and made friable** during renovation activities. Therefore, we recommend that all of these materials be removed and properly disposed of by a licensed asbestos abatement contractor before renovation activities begin **which have the potential of disturbing and making these materials friable.** The removal project must follow the requirements of the OSHA regulation outlined in 29 CFR 1926.1101. While these materials remain in place, a comprehensive asbestos O&M program should be implemented when the building is occupied to reduce human exposure to airborne asbestos fibers.

7.0 COST ESTIMATES

A breakdown of the estimated removal costs by homogeneous area can be found in the Table 6, Appendix A. These cost estimates are provided for use in long-term budgeting and planning only, and do not have a level of accuracy sufficient to be used as a construction design cost estimate. The actual cost of asbestos removal is highly dependent on a number of factors such as the size of the project, the required time frame for removal, the time of year the job is conducted, the regulatory climate at the time, etc., therefore, actual abatement costs could vary significantly from these estimates. Replacement costs have not been included in these figures.

The cost for abatement design and management services is not included in these figures. These additional fees can range from 15% of the estimated abatement costs for large projects to greater than 50% for very small projects. The design and management fees cover the cost of preparing plans and specifications, conducting the bidding process as well as third-party oversight during abatement.

8.0 LIMITATIONS AND EXCLUSIONS OF WARRANTY

This asbestos survey and assessment was performed using procedures and a level of diligence typically exercised by professional consultants performing similar services. However, asbestos-containing material (ACM) can be present in a structure, but not identified using ordinary investigative procedures.

No asbestos survey can completely eliminate uncertainty regarding the presence of ACM. R & R Environmental, Inc. level of diligence and investigative procedures are intended to reduce, but not eliminate, potential uncertainty regarding the presence of ACM. The procedures used for this survey attempt to establish a balance between the competing goals of limiting investigative costs, time, and building damage, and reducing the uncertainty about unknown conditions. Therefore, the determinations in this report should not be construed as a guarantee that all ACM present in the subject property has been included in this report.

This report presents R & R Environmental, Inc.'s professional determinations, which are dependent upon information obtained during performance of consulting services. R &R Environmental, Inc. assumes no responsibility for omissions or errors resulting from inaccurate information provided by sources outside of R & R Environmental, Inc.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report. The limitations presented above supersede the requirements or provisions of all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herein.

Appendix A

Data Tables

Table 1

Asbestos-containing Materials by Homogeneous Area
LaSal Hall
Weber State University

Homogeneous Area Number	Material Description / Location	Friability	Asbestos Content	Quantity
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Tan with Brown Streaks; Black Tar Mastic Rooms: 102, 103, 104, 105, 106, 107, 109, 111, 117, 118, 125, 126	Category 1 Non-Friable	7% Chrysotile (tile) None Detected (mastic)	2,502 SF
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Cream with White and Brown Streaks; Black Tar Mastic Rooms: 114, 122	Category 1 Non-Friable	> 1% Chrysotile (tile) > 1% Chrysotile (mastic)	293 SF
M03	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Green with White and Green Streaks; Brown Resin Mastic Rooms: 235	Category 1 Non-Friable	8% Chrysotile (tile) None Detected (mastic)	102 SF
M13	**Tar Sealant – Radiators** Black Tar Sealant with Limestone Rooms: 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Category 1 Non-Friable	15% Chrysotile	63 Units
M16	**Cinderblock Filler** Off-white Binder with Mica and Limestone Rooms: 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435	Category 1 Non-Friable	> 1% Chrysotile	22,013 SF

Homogeneous Area Number	Material Description / Location	Friability	Asbestos Content	Quantity
S03	**Plaster Surfacing – Popcorn** White Plaster with Vermiculite Rooms: 199, 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 299, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 399, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435, 499	Friable ACM	Up to 7% Chrysotile	9,017 SF
T01	**Thermal System Insulation – Mudded Fitting** Gray Plaster with Mineral Wool Rooms: Tunnels, 113, 114, 122, 123, 124, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Friable ACM	Up to 3% Chrysotile	495 Fittings
T02	**Thermal System Insulation – Tank Jacket** Gray Plaster with Mineral Wool Rooms: 124	Friable ACM	5% Chrysotile	85 SF

Table 2

Homogeneous Areas That Do Not Contain Asbestos
LaSal Hall
Weber State University

Homogeneous Area Number	Material Description	Material Location
M04	**Rolled Vinyl Flooring – Under Glued Carpet** Tan and Beige Speckle Pattern	205, 209, 217, 222, 228, 232, 238, 242, 305, 309, 317, 322, 328, 332, 338, 342, 405, 409, 417, 422, 428, 332, 338, 342
M05	**Rolled Vinyl Flooring – Under Glued Carpet** Tan over Canvas	201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 226, 227, 233, 234, 236, 237, 243, 244, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314, 315, 316, 318, 321, 323, 324, 325, 326, 327, 333, 334, 336, 337, 343, 344, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414, 415, 416, 418, 421, 423, 424, 425, 426, 427, 428, 433, 434, 436, 437, 443, 444
M06	**Rolled Vinyl Flooring – Exposed** Grey Tile Pattern	108
M07	**Cove Base and Mastic** 4" Brown Rubber with Limestone; Yellow Resin Mastic	114, 117, 118, 122, 125, 201,
M08	**Cove Base and Mastic** 3" Light Brown Rubber with Limestone; Yellow Resin Mastic	103, 126
M09	**Cove Base and Mastic** 4" Gray Rubber with Limestone; Off-white and Brown Resin Mastic	202, 203, 204, 204, 205, 208 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 226, 227, 243, 244, 301, 302, 303, 304, 304, 305, 308 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 326, 327, 343, 344, 401, 402, 403, 404, 404, 405, 408 409, 411, 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425, 426, 427, 443, 444

Homogeneous Area Number	Material Description	Material Location
M10	**Cove Base and Mastic** 4” Ivory Rubber with Limestone; Off-white Resin Mastic	409
M11	**Ceiling Tile and Mastic** 12” White Ceiling Tile Large Crevasses, Small Irregular Holes	101, 117, 118, 125
M12	**Sink Undercoat** Black Binder with Limestone	108
M14	**Vibration Damper** Gray Cotton Cloth with Gray Binder	124
M15	**Plaster** White Gypsum Plaster, Off-white Plaster with Sand and Perlite	103, 112, 113, 114, 115 116, 119, 121, 122, 123, 126
S01	**Plaster Surfacing – Peaked** White Gypsum Plaster with fine Mica	205, 209, 217, 222, 305, 309, 317, 322, 405, 409, 417, 422
S02	**Plaster Surfacing – Troweled** White Gypsum Plaster with fine Mica	102, 104, 105, 106, 107, 108, 109 111

Table 3

Bulk Sample Analytical Results by Sample Number
LaSal Hall
Weber State University

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSULSH-01	M01	Vinyl Floor Tile & Mastic	118	7% Chrysotile (tile) None Detected (mastic)
WSULSH-02	M02	Vinyl Floor Tile & Mastic	122	> 1% Chrysotile (tile) > 1% Chrysotile (mastic)
WSULSH-03	M03	Vinyl Floor Tile & Mastic	235	8% Chrysotile (tile) None Detected (mastic)
WSULSH-04	M04	Rolled Vinyl Flooring & Mastic	222	None Detected
WSULSH-05	M04	Rolled Vinyl Flooring & Mastic	408	None Detected
WSULSH-06	M05	Rolled Vinyl Flooring & Mastic	221	None Detected
WSULSH-07	M05	Rolled Vinyl Flooring & Mastic	409	None Detected
WSULSH-08	M06	Rolled Vinyl Flooring & Mastic	108	None Detected
WSULSH-09	M07	Cove Base & Mastic	122	None Detected
WSULSH-10	M08	Cove Base & Mastic	126	None Detected
WSULSH-11	M09	Cove Base & Mastic	102	None Detected
WSULSH-12	M11	Ceiling Tile & Mastic	117	None Detected
WSULSH-13	M12	Sink Undercoat	222	None Detected
WSULSH-14	M13	Tar Sealant - Radiator	222	15% Chrysotile
WSULSH-15	M14	Vibration Damper	124	None Detected
WSULSH-16	M15	Plaster	115	None Detected
WSULSH-17	M15	Plaster	121	None Detected
WSULSH-18	S01	Plaster Surfacing - Trowel	209	None Detected
WSULSH-19	S01	Plaster Surfacing - Trowel	317	None Detected
WSULSH-20	S01	Plaster Surfacing - Trowel	405	None Detected
WSULSH-21	M10	Cove Base & Mastic	409	None Detected
WSULSH-22	S02	Plaster Surfacing - Peaked	108	None Detected
WSULSH-23	S02	Plaster Surfacing - Peaked	108	None Detected
WSULSH-24	S02	Plaster Surfacing - Peaked	108	None Detected
WSULSH-25	S03	Plaster Surfacing - Popcorn	199	6% Chrysotile
WSULSH-26	S03	Plaster Surfacing - Popcorn	212	6% Chrysotile
WSULSH-27	S03	Plaster Surfacing - Popcorn	301	7% Chrysotile
WSULSH-28	S03	Plaster Surfacing - Popcorn	308	7% Chrysotile
WSULSH-29	S03	Plaster Surfacing - Popcorn	235	7% Chrysotile
WSULSH-30	S03	Plaster Surfacing - Popcorn	335	7% Chrysotile
WSULSH-31	S03	Plaster Surfacing - Popcorn	411	7% Chrysotile
WSULSH-32	S03	Plaster Surfacing - Popcorn	425	7% Chrysotile
WSULSH-33	T01	Thermal System Insulation – Mudded Fittings	122	3% Chrysotile
WSULSH-34	T01	Thermal System Insulation – Mudded Fittings	124	3% Chrysotile
WSULSH-35	T01	Thermal System Insulation – Mudded Fittings	124	2% Chrysotile
WSULSH-36	T01	Thermal System Insulation – Mudded Fittings	124	2% Chrysotile
WSULSH-37	T01	Thermal System Insulation – Mudded Fittings	222	3% Chrysotile

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSULSH-38	T01	Thermal System Insulation – Mudded Fittings	409	3% Chrysotile
WSULSH-39	T02	Thermal System Insulation – Tank Jacket	124	5% Chrysotile
WSULSH-40	M16	Cinderblock Filler	226	1.2% Chrysotile; 1.1% Chrysotile by Point Count
WSULSH-41	M16	Cinderblock Filler	122	1.2% Chrysotile
WSULSH-42	M16	Cinderblock Filler	123	1.2% Chrysotile
WSULSH-43	M16	Cinderblock Filler	102	1.2% Chrysotile
WSULSH-44	M16	Cinderblock Filler	114	1.2% Chrysotile
WSULSH-45	M16	Cinderblock Filler	215	1.2% Chrysotile
WSULSH-46	M16	Cinderblock Filler	308	1.2% Chrysotile
WSULSH-47	M16	Cinderblock Filler	314	1.2% Chrysotile
WSULSH-48	M16	Cinderblock Filler	224	1.2% Chrysotile
WSULSH-49	M16	Cinderblock Filler	401	1.2% Chrysotile
WSULSH-50	M16	Cinderblock Filler	435	1.2% Chrysotile
WSULSH-51	M16	Cinderblock Filler	215	1.2% Chrysotile

Table 4

Bulk Sample Analytical Results by Homogeneous Area Number
LaSal Hall
Weber State University

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSULSH-01	M01	Vinyl Floor Tile & Mastic	118	7% Chrysotile (tile) None Detected (mastic)
WSULSH-02	M02	Vinyl Floor Tile & Mastic	122	> 1% Chrysotile (tile) > 1% Chrysotile (mastic)
WSULSH-03	M03	Vinyl Floor Tile & Mastic	235	8% Chrysotile (tile) None Detected (mastic)
WSULSH-04	M04	Rolled Vinyl Flooring & Mastic	222	None Detected
WSULSH-05	M04	Rolled Vinyl Flooring & Mastic	408	None Detected
WSULSH-06	M05	Rolled Vinyl Flooring & Mastic	221	None Detected
WSULSH-07	M05	Rolled Vinyl Flooring & Mastic	409	None Detected
WSULSH-08	M06	Rolled Vinyl Flooring & Mastic	108	None Detected
WSULSH-09	M07	Cove Base & Mastic	122	None Detected
WSULSH-10	M08	Cove Base & Mastic	126	None Detected
WSULSH-11	M09	Cove Base & Mastic	102	None Detected
WSULSH-21	M10	Cove Base & Mastic	409	None Detected
WSULSH-12	M11	Ceiling Tile & Mastic	117	None Detected
WSULSH-13	M12	Sink Undercoat	222	None Detected
WSULSH-14	M13	Tar Sealant - Radiator	222	15% Chrysotile
WSULSH-15	M14	Vibration Damper	124	None Detected
WSULSH-16	M15	Plaster	115	None Detected
WSULSH-17	M15	Plaster	121	None Detected
WSULSH-40	M16	Cinderblock Filler	226	1.2% Chrysotile; 1.1% Chrysotile by Point Count
WSULSH-41	M16	Cinderblock Filler	122	1.2% Chrysotile
WSULSH-42	M16	Cinderblock Filler	123	1.2% Chrysotile
WSULSH-43	M16	Cinderblock Filler	102	1.2% Chrysotile
WSULSH-44	M16	Cinderblock Filler	114	1.2% Chrysotile
WSULSH-45	M16	Cinderblock Filler	215	1.2% Chrysotile
WSULSH-46	M16	Cinderblock Filler	308	1.2% Chrysotile
WSULSH-47	M16	Cinderblock Filler	314	1.2% Chrysotile
WSULSH-48	M16	Cinderblock Filler	224	1.2% Chrysotile
WSULSH-49	M16	Cinderblock Filler	401	1.2% Chrysotile
WSULSH-50	M16	Cinderblock Filler	435	1.2% Chrysotile
WSULSH-51	M16	Cinderblock Filler	215	1.2% Chrysotile
WSULSH-18	S01	Plaster Surfacing - Trowel	209	None Detected
WSULSH-19	S01	Plaster Surfacing - Trowel	317	None Detected
WSULSH-20	S01	Plaster Surfacing - Trowel	405	None Detected
WSULSH-22	S02	Plaster Surfacing - Peaked	108	None Detected
WSULSH-23	S02	Plaster Surfacing - Peaked	108	None Detected
WSULSH-24	S02	Plaster Surfacing - Peaked	108	None Detected
WSULSH-25	S03	Plaster Surfacing - Popcorn	199	6% Chrysotile
WSULSH-26	S03	Plaster Surfacing - Popcorn	212	6% Chrysotile
WSULSH-27	S03	Plaster Surfacing - Popcorn	301	7% Chrysotile
WSULSH-28	S03	Plaster Surfacing - Popcorn	308	7% Chrysotile
WSULSH-29	S03	Plaster Surfacing - Popcorn	235	7% Chrysotile

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSULSH-30	S03	Plaster Surfacing - Popcorn	335	7% Chrysotile
WSULSH-31	S03	Plaster Surfacing - Popcorn	411	7% Chrysotile
WSULSH-32	S03	Plaster Surfacing - Popcorn	425	7% Chrysotile
WSULSH-33	T01	Thermal System Insulation – Mudded Fittings	122	3% Chrysotile
WSULSH-34	T01	Thermal System Insulation – Mudded Fittings	124	3% Chrysotile
WSULSH-35	T01	Thermal System Insulation – Mudded Fittings	124	2% Chrysotile
WSULSH-36	T01	Thermal System Insulation – Mudded Fittings	124	2% Chrysotile
WSULSH-37	T01	Thermal System Insulation – Mudded Fittings	222	3% Chrysotile
WSULSH-38	T01	Thermal System Insulation – Mudded Fittings	409	3% Chrysotile
WSULSH-39	T02	Thermal System Insulation – Tank Jacket	124	5% Chrysotile

Table 5

Damage and Hazard Assessment by Homogeneous Area
LaSal Hall
Weber State University

Area Number	Material Type	Substrate	Assessment Category	Damage	Accessibility	Disturbance Potential
M01	**Floor Tile – Exposed and Under Glued Carpet**	Concrete	X	Undamaged	Rarely Accessed	Low
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	Concrete	X	Undamaged	Continuous Access	Low
M03	**Floor Tile – Exposed and Under Glued Carpet**	Cinderblock	X	Undamaged	Rarely Accessed	Low
M13	**Tar Sealant – Radiators**	Concrete	X	Undamaged	Rarely Accessed	Low
M16	**Cinderblock Filler**	Cinderblock	X	Undamaged	Continuous Access	Moderate
S03	**Plaster Surfacing – Popcorn**	Concrete	5	Undamaged	Continuous Access	Moderate
T01	**Thermal System Insulation – Mudded Fitting**	Metal	5	Damaged	Rarely Accessed	Low
T02	**Thermal System Insulation – Tank Jacket**	Metal	5	Undamaged	Rarely Accessed	Low

Note: Assessment Categories:
1-Damaged or significantly damaged thermal system insulation ACM
2-Damaged friable surfacing ACM
3-Significantly damaged friable surfacing ACM
4-Damaged or significantly damaged friable miscellaneous ACM
5-ACM with potential for damage
6-ACM with potential for significant damage
7-Any remaining friable ACM or friable suspect ACM
X-Not applicable (material is non-friable surfacing or miscellaneous material)

Table 6

Estimated Abatement Costs by Homogeneous Area
LaSal Hall
Weber State University

Homogeneous Area Number	Material	Quantity	Average Unit Cost	Abatement Cost
M01	**Floor Tile – Exposed and Under Glued Carpet**	2,502 SF	$3.82	$9,563.70
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	293 SF	$4.35	$1,274.55
M03	**Floor Tile – Exposed and Under Glued Carpet**	102 SF	$2.85	$290.70
M13	**Tar Sealant – Radiators**	63 Units	$210.00	$13,230.00
M16	**Cinderblock Filler**	22,013 SF	$9.00	$198,117.00
S03	**Plaster Surfacing – Popcorn & Filler**	9,017 SF	$3.60	$54,102.00
T01	**Thermal System Insulation – Mudded Fitting**	495 Fittings	$48.00	$23,760.00
T02	**Thermal System Insulation – Tank Jacket**	85 SF	$36.00	$3,060.00
TOTAL ESTIMATED ABATEMENT COST				**$302,487.95**

Notes:
1. Estimated abatement costs do not include replacement costs or costs for a consultant to manage the abatement (see section 7.0).

Table 7

Abatement Cost and Hazard Rank by Functional Space
La Sal Hall
Weber State University

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
102	M01	Vinyl Floor Tile (under glued carpet)	129 SF	496.65	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
103	M01	Vinyl Floor Tile (under glued carpet)	34 SF	130.90	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
104	M01	Vinyl Floor Tile (under glued carpet)	134 SF	515.90	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
105	M01	Vinyl Floor Tile (under glued carpet)	6 SF	23.10	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
106	M01	Vinyl Floor Tile (under glued carpet)	6 SF	23.10	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
107	M01	Vinyl Floor Tile (under glued carpet)	143 SF	550.55	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
109	M01	Vinyl Floor Tile (under glued carpet)	137 SF	527.45	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
111	M01	Vinyl Floor Tile (under glued carpet)	55 SF	211.75	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
112	M02	Vinyl Floor Tile & Mastic	143 SF	622.05	> 1% Chrysotile (tile); > 1% Chrysotile (mastic)	Undamaged	Low	1
113	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
113	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
114	M02	Vinyl Floor Tile & Mastic	150 SF	652.50	> 1% Chrysotile (tile); > 1% Chrysotile (mastic)	Undamaged	Low	1
114	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
114	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
117	M01	Vinyl Floor Tile (under glued carpet)	782 SF	3,010.70	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
118	M01	Vinyl Floor Tile (under glued carpet)	882 SF	3,395.70	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
122	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
122	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
123	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
123	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
124	T01	Thermal System Insulation - Mudded Fitting	52 MF	2,496.00	Up to 3% Chrysotile	Damaged	Low	2
124	T02	Tank Jacket	85 SF	3,060.00	5% Chrysotile	Undamaged	Low	1
125	M01	Vinyl Floor Tile (under glued carpet)	125 SF	481.25	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
126	M01	Vinyl Floor Tile	69 SF	196.65	7% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
199	S03	Plaster Surfacing - Popcorn	99 SF	594.00	Up to 7% Chrysotile	Undamaged	Moderate	3
201	S03	Plaster Surfacing - Popcorn	109 SF	654.00	Up to 7% Chrysotile	Undamaged	Moderate	3
202	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
202	S03	Plaster Surfacing - Popcorn	167 SF	1,002.00	Up to 7% Chrysotile	Undamaged	Moderate	3
202	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
203	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
203	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
203	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
204	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
204	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
204	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
205	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
205	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
206	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
206	S03	Plaster Surfacing - Popcorn	171 SF	1,026.00	Up to 7% Chrysotile	Undamaged	Moderate	3
206	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
208	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
208	S03	Plaster Surfacing - Popcorn	167 SF	1,002.00	Up to 7% Chrysotile	Undamaged	Moderate	3
208	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
209	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
209	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
211	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
211	S03	Plaster Surfacing - Popcorn	164 SF	984.00	Up to 7% Chrysotile	Undamaged	Moderate	3
211	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
212	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
212	S03	Plaster Surfacing - Popcorn	171 SF	1,026.00	Up to 7% Chrysotile	Undamaged	Moderate	3
212	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
213	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
213	S03	Plaster Surfacing - Popcorn	169 SF	1,014.00	Up to 7% Chrysotile	Undamaged	Moderate	3
213	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
214	S03	Plaster Surfacing - Popcorn	164 SF	984.00	Up to 7% Chrysotile	Undamaged	Moderate	3
215	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
215	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
215	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
216	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
216	S03	Plaster Surfacing - Popcorn	164 SF	984.00	Up to 7% Chrysotile	Undamaged	Moderate	3
216	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
217	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
217	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
218	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
218	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
218	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
221	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
221	S03	Plaster Surfacing - Popcorn	168 SF	1,008.00	Up to 7% Chrysotile	Undamaged	Moderate	3
221	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
222	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
222	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
223	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
223	S03	Plaster Surfacing - Popcorn	161 SF	966.00	Up to 7% Chrysotile	Undamaged	Moderate	3
223	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
224	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
224	S03	Plaster Surfacing - Popcorn	167 SF	1,002.00	Up to 7% Chrysotile	Undamaged	Moderate	3
224	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
225	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
225	S03	Plaster Surfacing - Popcorn	167 SF	1,002.00	Up to 7% Chrysotile	Undamaged	Moderate	3
225	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
235	M03	Vinyl Floor Tile	102 SF	290.70	8% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
235	S03	Plaster Surfacing - Popcorn	102 SF	612.00	Up to 7% Chrysotile	Undamaged	Moderate	3
299	S03	Plaster Surfacing - Popcorn	99 SF	594.00	Up to 7% Chrysotile	Undamaged	Moderate	3
301	S03	Plaster Surfacing - Popcorn	112 SF	672.00	Up to 7% Chrysotile	Undamaged	Moderate	3
302	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
302	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
302	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
303	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
303	S03	Plaster Surfacing - Popcorn	168 SF	1,008.00	Up to 7% Chrysotile	Undamaged	Moderate	3
303	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
304	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
304	S03	Plaster Surfacing - Popcorn	165 SF	990.00	Up to 7% Chrysotile	Undamaged	Moderate	3
304	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
305	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
305	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
306	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
306	S03	Plaster Surfacing - Popcorn	171 SF	1,026.00	Up to 7% Chrysotile	Undamaged	Moderate	3
306	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
308	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
308	S03	Plaster Surfacing - Popcorn	167 SF	1,002.00	Up to 7% Chrysotile	Undamaged	Moderate	3
308	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
309	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
309	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
311	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
311	S03	Plaster Surfacing - Popcorn	165 SF	990.00	Up to 7% Chrysotile	Undamaged	Moderate	3
311	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
312	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
312	S03	Plaster Surfacing - Popcorn	170 SF	1,020.00	Up to 7% Chrysotile	Undamaged	Moderate	3
312	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
313	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
313	S03	Plaster Surfacing - Popcorn	168 SF	1,008.00	Up to 7% Chrysotile	Undamaged	Moderate	3
313	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
314	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
314	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
314	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
315	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
315	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
315	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
316	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
316	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
316	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
317	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
317	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
318	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
318	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
318	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
321	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
321	S03	Plaster Surfacing - Popcorn	168 SF	1,008.00	Up to 7% Chrysotile	Undamaged	Moderate	3
321	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
322	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
322	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1

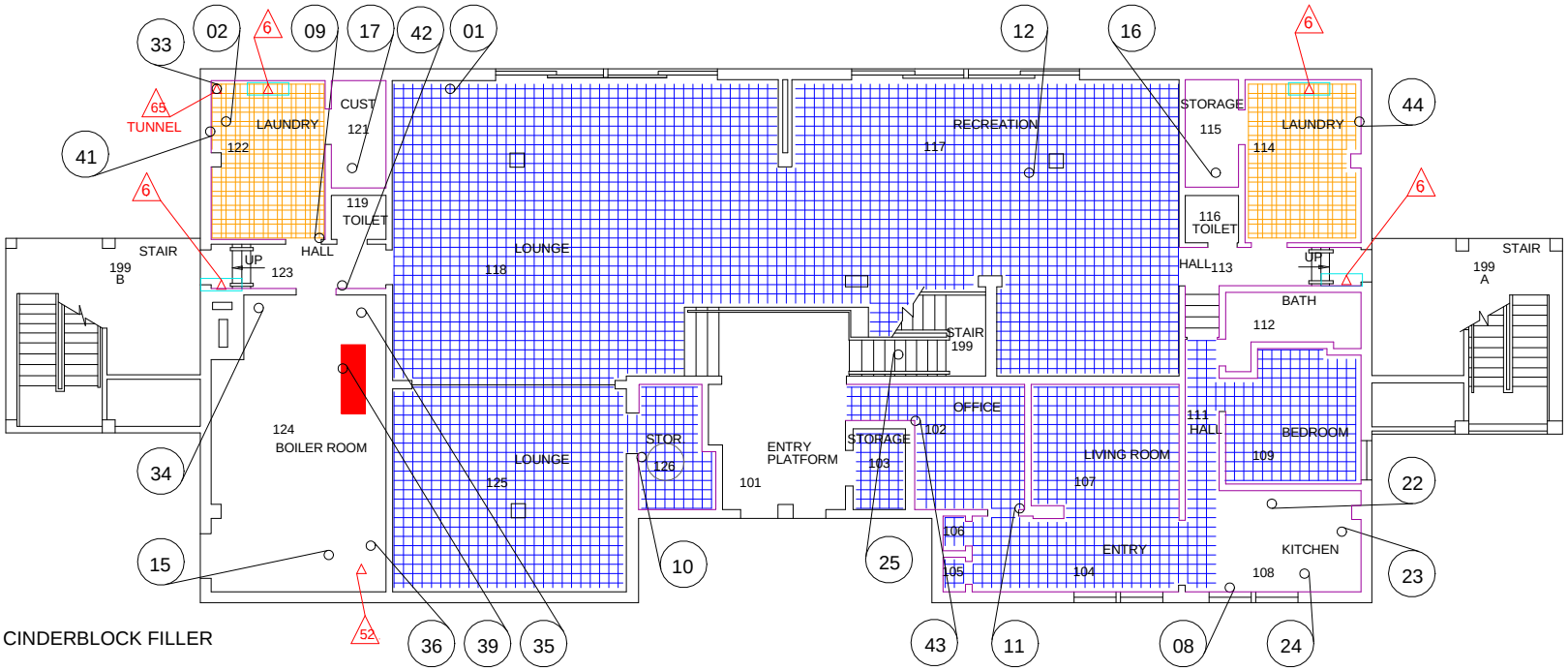
Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
323	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
323	S03	Plaster Surfacing - Popcorn	162 SF	972.00	Up to 7% Chrysotile	Undamaged	Moderate	3
323	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
324	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
324	S03	Plaster Surfacing - Popcorn	165 SF	990.00	Up to 7% Chrysotile	Undamaged	Moderate	3
324	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
325	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
325	S03	Plaster Surfacing - Popcorn	167 SF	1,002.00	Up to 7% Chrysotile	Undamaged	Moderate	3
325	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
335	S03	Plaster Surfacing - Popcorn	101 SF	606.00	Up to 7% Chrysotile	Undamaged	Moderate	3
399	S03	Plaster Surfacing - Popcorn	103 SF	618.00	Up to 7% Chrysotile	Undamaged	Moderate	3
401	S03	Plaster Surfacing - Popcorn	111 SF	666.00	Up to 7% Chrysotile	Undamaged	Moderate	3
402	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
402	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
402	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
403	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
403	S03	Plaster Surfacing - Popcorn	166 SF	996.00	Up to 7% Chrysotile	Undamaged	Moderate	3
403	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
404	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
404	S03	Plaster Surfacing - Popcorn	164 SF	984.00	Up to 7% Chrysotile	Undamaged	Moderate	3
404	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
405	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
405	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
406	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
406	S03	Plaster Surfacing - Popcorn	171 SF	1,026.00	Up to 7% Chrysotile	Undamaged	Moderate	3
406	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
408	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
408	S03	Plaster Surfacing - Popcorn	167 SF	1,002.00	Up to 7% Chrysotile	Undamaged	Moderate	3
408	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
409	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
409	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
411	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
411	S03	Plaster Surfacing - Popcorn	162 SF	972.00	Up to 7% Chrysotile	Undamaged	Moderate	3
411	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
412	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
412	S03	Plaster Surfacing - Popcorn	170 SF	1,020.00	Up to 7% Chrysotile	Undamaged	Moderate	3
412	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
413	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
413	S03	Plaster Surfacing - Popcorn	168 SF	1,008.00	Up to 7% Chrysotile	Undamaged	Moderate	3
413	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
414	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
414	S03	Plaster Surfacing - Popcorn	168 SF	1,008.00	Up to 7% Chrysotile	Undamaged	Moderate	3
414	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
415	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
415	S03	Plaster Surfacing - Popcorn	162 SF	972.00	Up to 7% Chrysotile	Undamaged	Moderate	3
415	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
416	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
416	S03	Plaster Surfacing - Popcorn	163 SF	978.00	Up to 7% Chrysotile	Undamaged	Moderate	3
416	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
417	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
417	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
418	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
418	S03	Plaster Surfacing - Popcorn	168 SF	1,008.00	Up to 7% Chrysotile	Undamaged	Moderate	3
418	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
421	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
421	S03	Plaster Surfacing - Popcorn	168 SF	1,008.00	Up to 7% Chrysotile	Undamaged	Moderate	3
421	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
422	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
422	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
423	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
423	S03	Plaster Surfacing - Popcorn	160 SF	960.00	Up to 7% Chrysotile	Undamaged	Moderate	3
423	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
424	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
424	S03	Plaster Surfacing - Popcorn	164 SF	984.00	Up to 7% Chrysotile	Undamaged	Moderate	3
424	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
425	M13	Tar Sealant - Radiator	1 U	210.00	15% Chrysotile	Undamaged	Low	1
425	S03	Plaster Surfacing - Popcorn	167 SF	1,002.00	Up to 7% Chrysotile	Undamaged	Moderate	3
425	T01	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 3% Chrysotile	Undamaged	Low	1
435	S03	Plaster Surfacing - Popcorn	101 SF	606.00	Up to 7% Chrysotile	Undamaged	Moderate	3
499	S03	Plaster Surfacing - Popcorn	96 SF	576.00	Up to 7% Chrysotile	Undamaged	Moderate	3
Tunnels	T01	Thermal System Insulation - Mudded Fitting	65 MF	3,120.00	Up to 3% Chrysotile	Damaged	Low	2
Cinderblock Walls T/O	M16	Cinderblock Filler	22,013 SF	198,117.00	> 1% Chrysotile	Undamaged	Moderate	3

ote: SF = Square Feet
LF = Linear Feet
MF = Mudded Fittings
U = Units

Appendix B

Building Floor Plans



= CINDERBLOCK FILLER

= VINYL FLOOR TILE AND MASTIC

= VINYL FLOOR TILE

= THERMAL SYSTEM INSULATION - TANK JACKET

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE

LASAL HALL

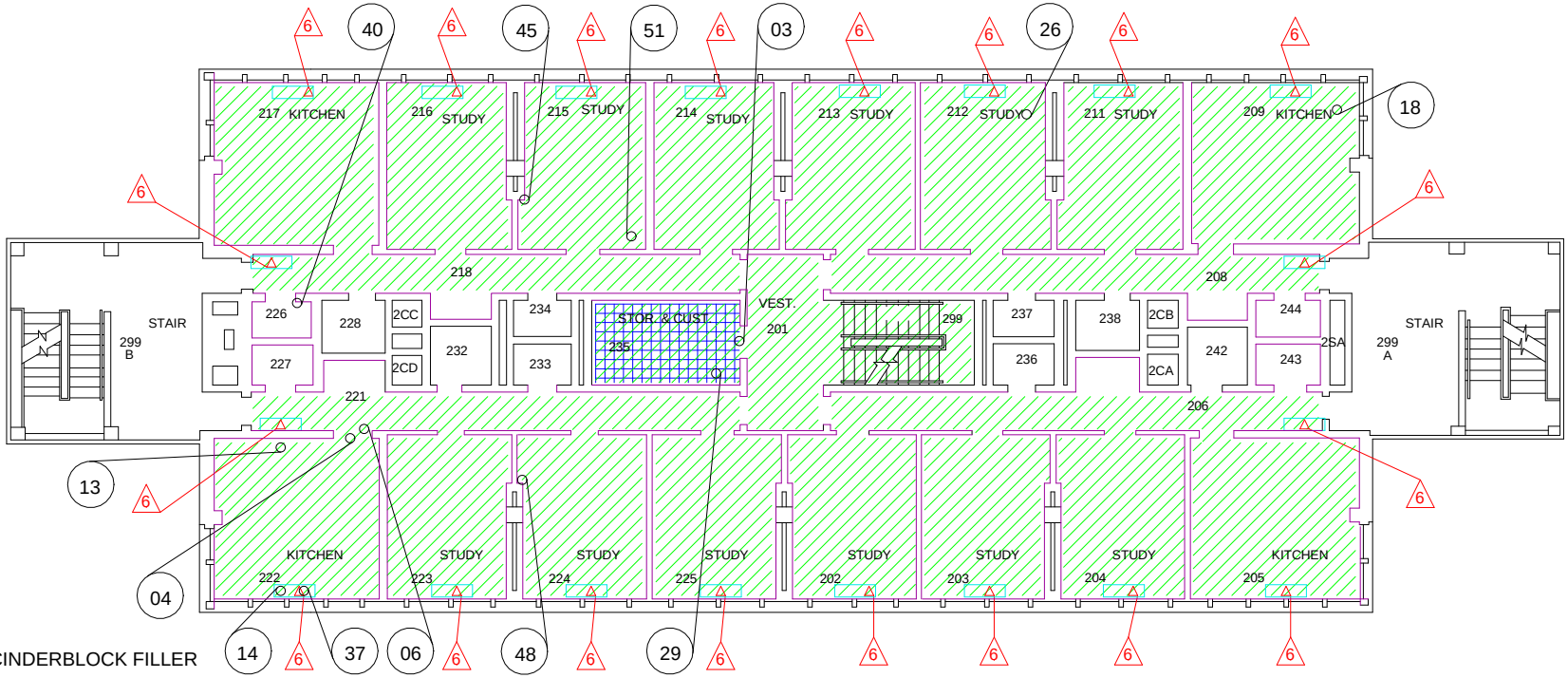
FIRST FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= CINDERBLOCK FILLER

= VINYL FLOOR TILE

= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE

LASAL HALL

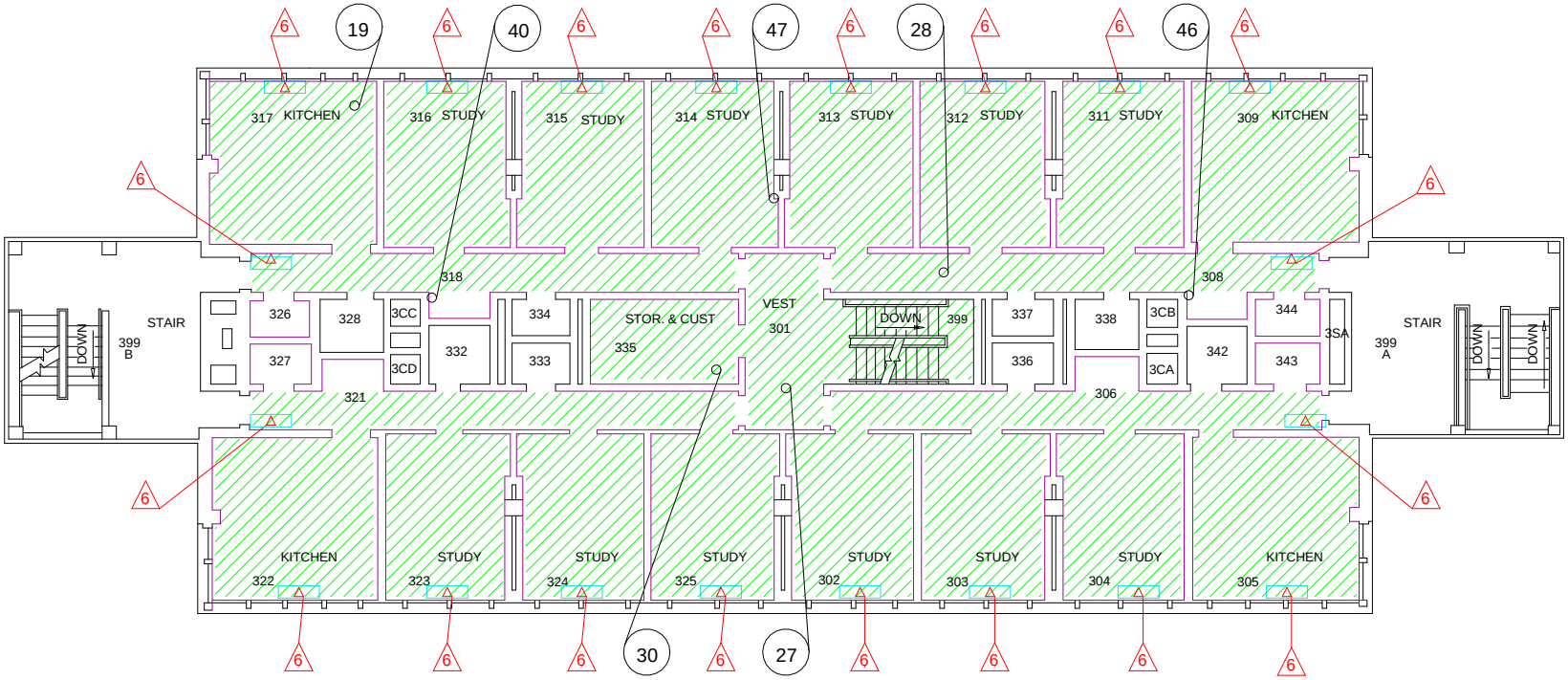
SECOND FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= CINDERBLOCK FILLER

= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite 63 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381 : Fax

LASAL HALL

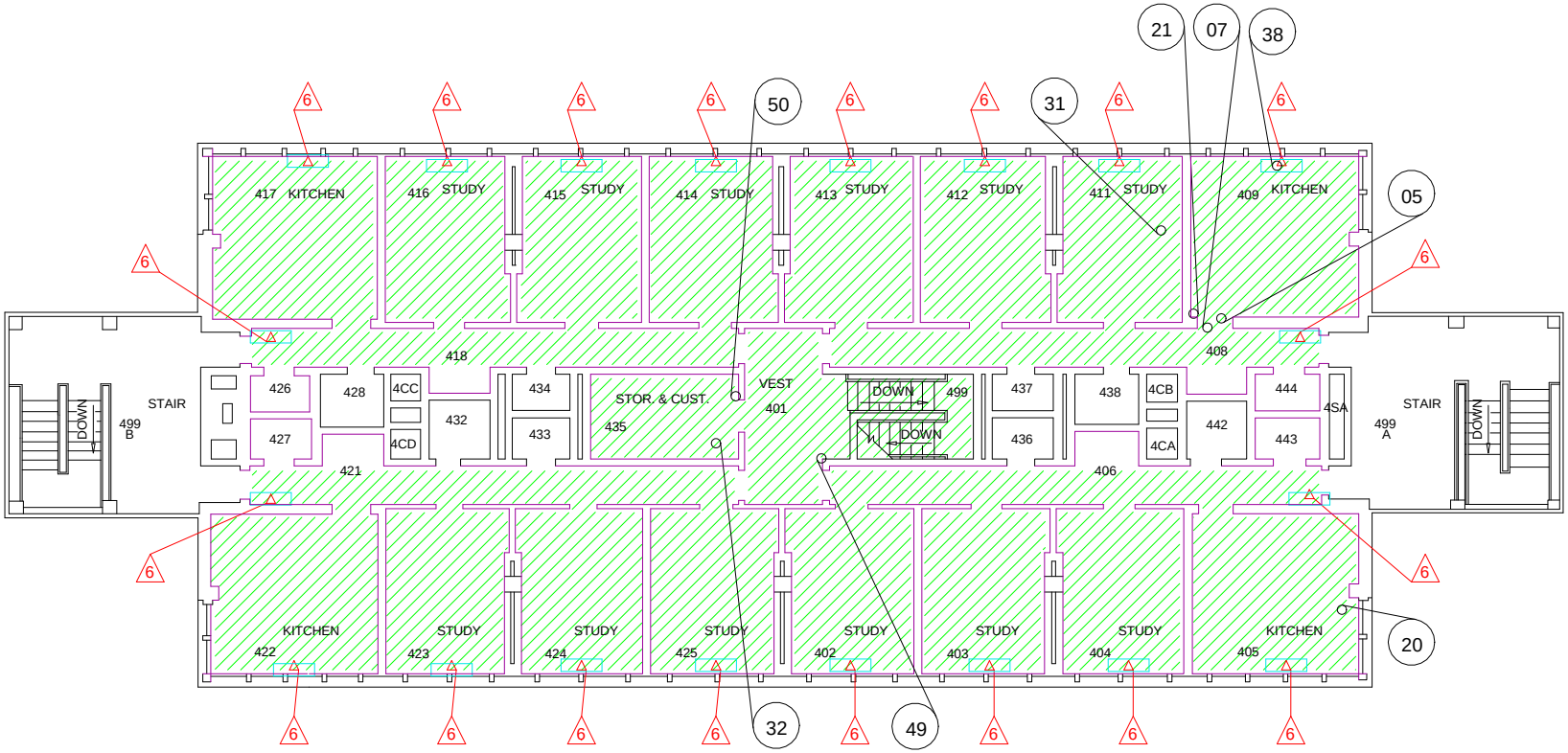
THIRD FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= CINDERBLOCK FILLER

= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE

LASAL HALL

FOURTH FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300

Appendix C

Photograph Log

Photograph Log
La Sal Hall
Weber State University

1. Exterior Northeast elevation.

2. Vinyl Floor Tile contains asbestos. Homogeneous Area M01

3. Vinyl Floor Tile and Mastic contains asbestos. Homogeneous Area M02

4. Vinyl Floor Tile contains asbestos. Homogeneous Area M03

5. Tar Sealant - Radiator contains asbestos. Homogeneous Area M13

6. Plaster Surfacing - Popcorn contains asbestos. Homogeneous Area S03

7. Thermal System Insulation – Mudded Fittings contains asbestos. Homogeneous Area T01

8. Thermal System Insulation – Tank Jacket contains asbestos. Homogeneous Area T02

PHOTO 1

PHOTO 2

PHOTO 3

PHOTO 4

R & R Environmental, Inc.
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PROJECT NO:		
DESIGNED BY:	SCALE:	REVIEWED BY:
DRAWN BY:	DATE:	FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

LA SAL HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

PHOTO 5

PHOTO 6

PHOTO 7

PHOTO 8

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PROJECT NO:

DESIGNED BY: SCALE: REVIEWED BY:

DRAWN BY: DATE: FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

LA SAL HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

PHOTO 9

R & R Environmental, Inc.
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PROJECT NO:

DESIGNED BY: SCALE: REVIEWED BY:

DRAWN BY: DATE: FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

LA SAL HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

Appendix D

Laboratory Analytical Reports

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

December 21, 2009

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 87435, Lab # RR25232 - RR25270
Received December 10, 2009
Test report
DFCM-WSU-LaSal Hall
Sampled by Jon Craig

Dear Mr. Roskelley:

Samples RR25232 through RR25270 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR25232, Field WSULSH-01 9" VFT #1, 118
This sample contains three types of material: The first type is yellow resin mastic; the second type is **7% chrysotile asbestos** in tan plastic and limestone; the third type is black tar mastic. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 97% of the sample. The third type is 1% of the sample.

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Lab RR25233, Field WSULSH-02 12" VFT #1, 122
This sample contains two types of material: The first type is **less than 1% chrysotile asbestos** [1] in a tan plastic and limestone tile; the second type is **greater than 1% chrysotile asbestos** in black tar. This sample is non-homogeneous.

The first type is 99% of the sample. The second type is 1% of the sample.

[1]**Note**: The morphology of the fibers in the plastic and limestone tile are consistent with chrysotile asbestos. Fiber size is too small for confirmation by dispersion staining. Transmission Electron Microscopy (TEM) is recommended for final confirmation that this is chrysotile asbestos.

Note: TEM is strongly recommended.

Lab RR25234, Field WSULSH-03 12" VFT #2, 235
This sample contains two types of material: The first type is **8% chrysotile asbestos** in a gray and green plastic and limestone tile; the second type is brown resin mastic. This sample is non-homogeneous.

The first type is 98% of the sample. The second type is 2% of the sample.

Lab RR25235, Field WSULSH-04 RVF #1, 222
This sample has a top layer of off-white plastic and limestone with yellow resin mastic on one side and a bottom layer of 30% plant fiber, 5% synthetic fiber, 5% fiberglass, and 5% wollastonite in gray binder with brown resin mastic and debris on one side. **Asbestos is none detected.**

The top layer is 70% of the sample. The bottom layer is 30% of the sample.

Lab RR25236, Field WSULSH-05 RVF #1, 408
This sample has a top layer of off-white plastic and limestone with yellow resin mastic on one side and a bottom layer of 30% plant fiber, 5% synthetic fiber, 5% fiberglass, and 5% wollastonite in gray binder. **Asbestos is none detected.**

The top layer is 65% of the sample. The bottom layer is 35% of the sample.

Lab RR25237, Field WSULSH-06 RVF #2, 221
This sample contains three types of material: The first type is 5% plant fiber in tan plastic and limestone with yellow resin mastic on one side; the second type is 90% cross-woven organic fiber in brown resin binder; the third type is 50% organic fiber in black tar felt. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 95% of the sample. The second type is 1% of the sample. The third type is 4% of the sample.

Lab RR25238, Field WSULSH-07 RVF #2, 409
This sample contains three types of material: The first type is 5% plant fiber in tan plastic and limestone with yellow resin mastic on one side; the second type is 10% cross-woven organic fiber in brown resin binder; the third type is 50% organic fiber in black tar felt. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 90% of the sample. The second type is 1% of the sample. The third type is 9% of the sample.

Lab RR25239, Field WSULSH-08 RVF #3, 108
This sample has a top layer of gray plastic, a middle layer of white foam plastic, and a bottom layer of 30% plant fiber, and 5% fiberglass in gray binder with yellow resin mastic one side. **Asbestos is none detected.**

The top layer is 20% of the sample. The middle layer is 30% of the sample. The bottom layer is 50% of the sample.

Lab RR25240, Field WSULSH-09 Cove Base #1, 122
This sample contains two types of material: The first type is brown rubber and limestone; the second type is yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 99% of the sample. The second type is 1% of the sample.

Lab RR25241, Field WSULSH-10 Cove Base #2, 126
This sample contains two types of material: The first type is brown rubber and limestone; the second type is yellow resin mastic with debris. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 99% of the sample. The second type is 1% of the sample.

Lab RR25242, Field WSULSH-11 Cove Base #4, 102
This sample contains two types of material: The first type is gray rubber and limestone; the second type is off-white and brown resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 98% of the sample. The second type is 2% of the sample.

Lab RR25243, Field WSULSH-12 12"CT #1, 117
This sample contains two types of material: The first type is 70% mineral wool in white resin binder with a white coating on one side; the second type is brown resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 60% of the sample. The second type is 40% of the sample.

Lab RR25244, Field WSULSH-13 Sink Undercoat, 222
This is black tar with limestone. **Asbestos is none detected.**

Lab RR25245, Field WSULSH-14 Radiator Jar Sealant, 222
This is **15% chrysotile asbestos** in black tar sealant with limestone.

Lab RR25246, Field WSULSH-15 Vibration Damper, 124
This sample contains two types of material: The first type is gray binder; the second type is gray cotton cloth. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25247, Field WSULSH-16 Plaster, 115
This sample contains three types of material: The first type is tan paint; the second type is white plaster with sand; the third type is off-white plaster with sand, perlite, and less than 1% fiberglass. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 2% of the sample. The second type is 28% of the sample. The third type is 70% of the sample.

Lab RR25248, Field WSULSH-17 Plaster, 121
This sample contains three types of material: The first type is tan paint; the second type is white plaster with sand; the third type is off-white plaster with sand, perlite, and less than 1% fiberglass. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 2% of the sample. The second type is 23% of the sample. The third type is 75% of the sample.

Lab RR25249, Field WSULSH-18 Plaster Surfacing PK, 2009
This sample contains two types of material: The first type is off-white paint; the second type is white gypsum plaster with mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25250, Field WSULSH-19 Plaster Surfacing-PK, 317
This sample contains two types of material: The first type is off-white paint; the second type is white gypsum plaster with mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25251, Field WSULSH-20 Plaster Surfacing-PK, 405
This sample contains two types of material: The first type is off-white paint; the second type is white gypsum plaster with mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25252, Field WSULSH-21 Cove Base #5, 409
This sample contains two types of material: The first type is off-white resin mastic with debris; the second type is gray rubber and filler. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 1% of the sample. The second type is 99% of the sample.

Lab RR25253, Field WSULSH-22 Plaster Surfacing-TR, 108
This sample contains two types of material: The first type is off-white paint; the second type is white gypsum plaster with mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25254, Field WSULSH-23 Plaster Surfacing-TR, 108
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 95% of the sample.

Lab RR25255, Field WSULSH-24 Plaster Surfacing-TR, 108
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 95% of the sample.

Lab RR25256, Field WSULSH-25 Plaster Surfacing-Popcorn, 199
This is **6% chrysotile asbestos** in white limestone plaster with vermiculite.

Lab RR25257, Field WSULSH-26 Plaster Surfacing-Popcorn, 212
This is **6% chrysotile asbestos** in white limestone plaster with vermiculite.

Lab RR25258, Field WSULSH-27 Plaster Surfacing-Popcorn, 301
This is **7% chrysotile asbestos** in white limestone plaster with vermiculite.

Lab RR25259, Field WSULSH-28 Plaster Surfacing-Popcorn, 308
This is **7% chrysotile asbestos** in white limestone plaster with vermiculite.

Lab RR25260, Field WSULSH-29 Plaster Surfacing, Popcorn, 235
This is **7% chrysotile asbestos** in white limestone plaster with vermiculite.

Lab RR25261, Field WSULSH-30 Plaster Surfacing-Popcorn, 335
This is **7% chrysotile asbestos** in white limestone plaster with vermiculite.

Lab RR25262, Field WSULSH-31 Plaster Surfacing-Popcorn, 411
This is **7% chrysotile asbestos** in white limestone plaster with vermiculite.

Lab RR25263, Field WSULSH-32 Plaster Surfacing-Popcorn, 435
This is **7% chrysotile asbestos** in white limestone plaster with vermiculite.

Lab RR25264, Field WSULSH-33 TSI-MF, 122
This is **3% chrysotile asbestos** in white plaster with 20% mineral wool.

Lab RR25265, Field WSULSH-34 TSI-MF, 124
This sample contains two types of material: The first type is a green cotton cloth; the second type is **3% chrysotile asbestos** in white plaster with 20% mineral wool. This sample is non-homogeneous.

The first type is 3% of the sample. The second type is 97% of the sample.

Lab RR25266, Field WSULSH-35 TSI-MF, 124
This sample contains two types of material: The first type is a green cotton cloth; the second type is **2% chrysotile asbestos** in white plaster with 20% mineral wool. This sample is non-homogeneous.

The first type is 4% of the sample. The second type is 96% of the sample.

Lab RR25267, Field WSULSH-36 TSI-MF, 124
This sample contains two types of material: The first type is a green cotton cloth; the second type is **2% chrysotile asbestos** in white plaster with 20% mineral wool. This sample is non-homogeneous.

The first type is 4% of the sample. The second type is 96% of the sample.

Lab RR25268, Field WSULSH-37 TSI-MF, 222
This is **3% chrysotile asbestos** in white plaster with 20% mineral wool.

Lab RR25269, Field WSULSH-38 TSI-MF, 409
This is **3% chrysotile asbestos** in white plaster with 20% mineral wool.

Lab RR25270, Field WSULSH-39 TSI-Tank, 124
This is **5% chrysotile asbestos** in white binder with 60% mineral wool.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Jaron D. Dixon Jaron D. Dixon

Analyst: Bruce P. Thorne Bruce P. Thorne

Analyst: Steve H. Dixon _____ Date Analyzed: December 18, 2009

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381: Fax

87435

Bulk Analytical Request Form

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM - WSU - LaSal Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: R+R / DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R+R / DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSULSH-01	9" VFT #1, 118		25232
-02	12" VFT #1, 122		25233
-03	12" VFT #2, 235		25234
-04	RVF #1, 222		25235
-05	RVF #1, 408		25236
-06	RVF #2, 221		25237
-07	RVF #2, 409		25238
-08	RVF #3, 108		25239
-09	Cove Base #1, 122		25240
-10	Cove Base #2, 126		25241
-11	Cove Base #4, 102		25242
-12	12" CT #1, 117		25243
-13	Sink Undercoat, 222		25244
-14	Radiator Tar Sealant, 222		25245
-15	Vibration Damper, 124		25246
-16	Plaster, 115		25247

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/10/09 Time 13:30
Received by Lab [signature] Date 12/10/09 Time 1500
Received by Analyst [signature] Date 12/10/09 Time 11:15
Returned by Lab Date Time

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381: Fax

Bulk Analytical Request Form

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM-WSU-LaSal Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSULSH-17	Plaster, 121		25248
-18	Plaster Surfacing-PK, 209		25249
-19	Plaster Surfacing-PK, 317		25250
-20	Plaster Surfacing-PK, 405		25251
-21	~~Plaster Surfacing~~ Cove Base #5, 409		25252
-22	Plaster Surfacing-TR, 108		25253
-23	Plaster Surfacing-TR, 108		25254
-24	Plaster Surfacing-TR, 108		25255
-25	Plaster Surfacing-Popcorn, 199		25256
-26	Plaster Surfacing-Popcorn, 212		25257
-27	Plaster Surfacing-Popcorn, 301		25258
-28	Plaster Surfacing-Popcorn, 308		25259
-29	Plaster Surfacing-Popcorn, 235		25260
-30	Plaster Surfacing-Popcorn, 335		25261
-31	Plaster Surfacing-Popcorn, 411		25262
-32	Plaster Surfacing-Popcorn, 435		25263

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/10/09 Time 1830
Received by Lab [signature] Date 12/10/09 Time 1500
Received by Analyst [signature] Date 12-18-09 Time 8:00
Returned by Lab Date Time

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381: Fax

Bulk Analytical Request Form

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM-WSU-LaSal Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSULSH-33	TSI-MF, 122		25264
-34	TSI-MF, 124		25265
-35	TSI-MF, 124		25266
-36	TSI-MF, 124		25267
-37	TSI-MF, 222		25268
-38	TSI-MF, 409		25269
-39	TSI-Tank, 124		25270
			~~25271~~

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/10/09 Time 1330
Received by Lab [signature] Date 12/10/09 Time 1500
Received by Analyst [signature] Date 12-21-09 Time 8:00
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 13, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88050, Lab # RR26691
Received January 13, 2010
Test report
DFCM-WSU-LaSal Hall
Sampled by Jon Craig, 1/13/10

Dear Mr. Roskelley:

Sample RR26691 has been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR26691, Field USULSH-40 Cove Base, 226
This sample contains five types of material: The first type is gray rubber and limestone cove base; the second type is off white mastic with limestone; the third type is greater than 1% talc fiber and **less than 1% tremolite** cleavage fragments in brown resin mastic; the fourth type is white paint ; the fifth type is **1.2% chrysotile asbestos** in green binder with mica flakes. This sample is non-homogeneous.

The analysis sensitivity is limited in the fifth material type due to small sample size.

The first type is 94% of the sample. The second type is 1% of the sample. The third type is 3% of the sample. The fourth type is 1% of the sample. The fifth type is 1% of the sample.

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PHONE 801-486-0800 • FAX 801-486-0849 • RES. 801-571-7695

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst:Ofir A. Sosa _____ Date Analyzed: January 13, 2010

R & R
ENVIRONMENTAL, INC.
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47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381: Fax

RUSH
2 Hr.
1215

Bulk Analytical Request Form

Page 1 of 1

88050

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: 2 hr **Rush** **Non-Rush**

Location sample was taken DEEM-WSU-LaSal Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 1/13/10

Report to be sent to:
Name: R&R/DCP
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R/DCP
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSULSH-40	Core Base, 226		06691

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 1/13/10 Time 1000
Received by Lab [signature] Date 1-13-10 Time 1015
Received by Analyst [signature] Date 1-13-10 Time 1100
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

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A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 20, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88159, Lab # RR26933 - RR26943
Received January 19, 2010
Test report
DFCM-WSU-LaSal Hall
Sampled by Jon Craig, 1/19/10

Dear Mr. Roskelley:

Samples RR26933 through RR26943 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR26933, Field WSULSH-41 CMU Binder-122
This sample contains three types of material: The first type is beige paint; the second type is **1.2% chrysotile asbestos** in green binder with limestone and mica; the third type is sandy gray cement. This sample is non-homogeneous.

The first type is less than 1% of the sample. The second type is less than 1% of the sample. The third type is 99% of the sample.

The analysis sensitivity is limited in the second material type due to pigment and binder.

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Lab RR26934, Field WSULSH-42 CMU Binder-123
This sample contains three types of material: The first type is white and off-white paint; the second type is **1.2% chrysotile asbestos** in white binder with mica and limestone; the third type is sandy gray cement. This sample is non-homogeneous.

The first type is less than 1% of the sample. The second type is less than 1% of the sample. The third type is 99% of the sample.

The analysis sensitivity is limited in the second material type due to pigment and binder.

Lab RR26935, Field WSULSH-43 CMU Binder-102
This sample contains three types of material: The first type is white paint; the second type is **1.2% chrysotile asbestos** in white binder with limestone and mica; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 2% of the sample. The third type is 96% of the sample.

The analysis sensitivity is limited in the second material type due to pigment and binder.

Lab RR26936, Field WSULSH-44 CMU Binder-114
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in green binder with limestone and mica; the third type is sandy gray cement. This sample is non-homogeneous.

The first type is 1% of the sample. The second type is 1% of the sample. The third type is 98% of the sample.

The analysis sensitivity is limited in the second material type due to pigment and binder.

Lab RR26937, Field WSULSH-45 CMU Binder-215
This sample contains three types of material: The first type is off-white paint; the second type is white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 1% of the sample. The second type is less than 1% of the sample. The third type is greater than 98% of the sample.

Chrysotile asbestos was detected by morphology in the second material type. There was limited analysis sensitivity due to thin layer, binder and pigment interference. TEM is recommended for asbestos confirmation.

Lab RR26938, Field WSULSH-46 CMU Binder-308
This sample contains three types of material: The first type is white paint; the second type is **1.2% chrysotile asbestos** in white binder with limestone and mica; the third type is sandy gray cement. This sample is non-homogeneous.

The first type is 1% of the sample. The second type is less than 1% of the sample. The third type is greater than 98% of the sample.

The analysis sensitivity is limited in the second material type due to pigment and binder.

Lab RR26939, Field WSULSH-47 CMU Binder-314
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in white binder with limestone and mica; the third type is sandy gray cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 97% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size.

Lab RR26940, Field WSULSH-48 CMU Binder-224
This sample contains three types of material: The first type is white paint; the second type is **1.2% chrysotile asbestos** in white binder with limestone and mica; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 97% of the sample.

The analysis sensitivity is limited in the second material type due to small sample.

Lab RR26941, Field WSULSH-49 CMU Binder-401
This sample contains three types of material: The first type is white paint; the second type is **1.2% chrysotile asbestos** in white binder with limestone and mica; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is less than 1% of the sample. The third type is greater than 97% of the sample.

The analysis sensitivity is limited in the second material type due to pigment and binder.

Lab RR26942, Field WSULSH-50 CMU Binder-435
This sample contains three types of material: The first type is white, blue and green paint; the second type is **1.2% chrysotile asbestos** in green binder with limestone and mica; the third type is sandy gray cement and plaster. This sample is non-homogeneous.

The first type is 30% of the sample. The second type is 5% of the sample. The third type is 65% of the sample.

The analysis sensitivity is limited in the second material type due to pigment and binder.

Lab RR26943, Field WSULSH-51 Concrete Sealant-215
This sample contains two types of material: The first type is white paint; the second type is **1.2% chrysotile asbestos** in white binder with limestone and mica. This sample is non-homogeneous.

The first type is 50% of the sample. The second type is 50% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size, pigment and binder.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Steve H. Dixon _____ Date Analyzed: January 19, 2010

RUSH

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381: Fax

88159

Bulk Analytical Request Form

Page_____of_____

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: Rush Non-Rush

Location sample was taken DFCM-WSH-LaSal Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 1/19/10

Report to be sent to:
Name: RHR/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: RHR/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSHLSH-41	CMU Binder - 122		9879 26933
-42	- 123		9880 26934
-43	-102		9881 26935
-44	-114		9882 26936
-45	-215		9883 26937
-46	- 308		9884 26938
-47	-314		9885 26939
-48	-224		9886 26940
-49	-401		9887 26941
-50	-435		9888 26942
-51	Caulk & Sealant - 215		9889 26943

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 1/19/10 Time 1240
Received by Lab [signature] Date 1-19-10 Time 1240
Received by Analyst [signature] Date 1-19-10 Time 1300
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 30, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88328, Lab # RR26985
Previous Batch #: 88050, Lab #: RR26691
Received January 29, 2010
Test report
DFCM-WSU - LaSal Hall
Sampled by Jon Craig on 1/13/10

Dear Mr. Roskelley:

Sample RR26985 has been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

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PHONE 801-486-0800 • FAX 801-486-0849 • RES. 801-571-7695

Lab RR26985, (RR26691) Field USULSH-40 Cove Base, 226
By visual estimation this sample contains five types of material: The first type is gray rubber and limestone cove base; the second type is off white mastic with limestone; the third type is greater than 1% talc fiber and **less than 1% tremolite** cleavage fragments in brown resin mastic; the fourth type is white paint ; the fifth type is **1.2% chrysotile asbestos** in green binder with mica flakes. This sample is non-homogeneous.

The analysis sensitivity is limited in the fifth material type due to small sample size.

The first type is 94% of the sample. The second type is 1% of the sample. The third type is 3% of the sample. The fourth type is 1% of the sample. The fifth type is 1% of the sample.

By point count this is **1.1% chrysotile asbestos**. 10 asbestos points were counted. 817 non-asbestos particle points were counted.

The slides were prepared from a 91% ash recovery of the fifth material type.

The analysis sensitivity is limited in the fifth material type due to pigment and binder interference.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Bruce P. Thorne Date Analyzed: January 30, 2010

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381: Fax

RUSH
2 Hr.
1215

Bulk Analytical Request Form

Page 1 of 1

88050

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

2 hr

Turnaround Time: Rush **Non-Rush**

Location sample was taken DECM-WSU-LaSal Hall
Street address where sample was taken
Sampled by Don Craig Date of Collection 1/13/10

Report to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSULSH-40	Core Base, 226		06691

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 1/13/10 Time 1000
Received by Lab [signature] Date 1-13-10 Time 1015
Received by Analyst [signature] Date 1-13-10 Time 1100
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA"

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the results may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small size and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1% OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, when possible, chemical treatments will be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

LEAD-BASED PAINT INSPECTION
FOR THE
LA SAL HALL
CAMPUS STUDENT HOUSING
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

WEBER STATE UNIVERSITY

February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building/Salt Lake City, Utah 84114/538-3018

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Hazardous Materials Manager
State of Utah
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LEAD-BASED PAINT INSPECTION
LASAL HALL
WEBER STATE UNIVERSITY

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- Table 1 – Building Component with Lead Levels at 0.3 mg/cm^2 and above
- Table 2 – Building Component with Lead Levels below 0.3 mg/cm^2

Lead-Based Paint Inspection

LaSal Hall
Weber State University

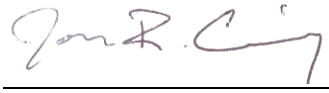
1.0 INTRODUCTION

During December 2009, a lead-based paint (LBP) survey was conducted for the LaSal Hall, Weber State University. The purpose of the survey was to identify lead in paint on interior and exterior surfaces of the building. Measurements for lead in paint were made using a Niton XLp 300 X-ray Fluorescence (XRF) Spectrum Analyzer. No chip sampling or laboratory analysis was performed for confirmation of XRF measurements.

The survey work was overseen by David Roskelley with R & R Environmental, Inc. in Sandy, Utah. David Roskelley has completed Lead Inspector Training through the University of Utah, Rocky Mountain Center for Occupational and Environmental Health (RMCOEH), an EPA-sponsored Regional Lead Training Center, and is certified by the State of Utah, Division of Environmental Quality, as a Lead Inspector.

The U.S. Department of housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in housing* (HUD Guidelines), Chapter7: Lead-Based Paint Inspection, 1997 Revision, was generally followed for this survey, with modifications appropriate for a non-residential building.

The following accredited and certified inspector oversaw the inspection, collection of samples and made assessment:



February 22, 2010

Jon R. Craig
Lead-Based Paint Inspector
RMCOEH Certification #100208

Date

February 22, 2010

David C. Roskelley
Lead-Based Paint Inspector
State of Utah, Division of Air Quality
Certification Number: PB-1041
Certified Safety Professional #15774
Certified Industrial Hygienist #8529

Date

BUILDING DESCRIPTION

4.0 BUILDING DESCRIPTION

Building Identification

Building Name ..... LaSal Hall
Building Address .....Weber State University, Ogden, Utah 84322

Building Construction

Building Construction Date ..... ~1965
Building Type .....Apartments
Building Total Sq. Ft..... ~26,400
Structural System .....Steel, reinforced concrete
Exterior Wall Construction ..... Brick, concrete
Floor Deck Construction..... Concrete
Roof Construction..... Flat, Built-up Tar
Floors Above Grade 4
Floors Below Grade 0

Interior Finishes

Floors .....Concrete, ceramic tile, vinyl floor tile, rolled vinyl, carpet
Walls ..... Plaster, cinderblock, concrete
Attic.....No
Crawl space .....Yes (Tunnels)

Building Mechanical

Heating Plant..... Boiler
Main Heating Distribution ..... Radiant
Cooling Plant ..... A/C Units
Main A / C Distribution ..... Forced Air

2.0 LEAD-BASED PAINT DEFINITIONS

HUD defines "lead-based paint" as any coating that has a lead concentration of 1.0 milligram of lead per square centimeter (1.0 mg/cm^2) or greater, or if the lead concentration is greater than 0.5% by weight. The Consumer Product Safety Commission (CPSC) currently considers paint to be lead-containing if the concentration of lead exceeds 600 ppm (0.06% by weight). In 1978, the CPSC banned the sale of lead-based paint to consumers, and banned its application in areas where consumers have direct access to painted surfaces. Both the CPSC and HUD definitions of lead-containing paint are aimed at protecting the general population from exposure to lead in the residential setting.

By contrast, the mission of the Occupational Safety and Health Administration (OSHA) with respect to lead-containing paint, is to protect workers during construction activities that may generate elevated airborne lead concentrations. OSHA states that construction work (including renovation, maintenance, and demolition) carried-out on structures coated with paint have lead concentrations lower than the HUD or CPSC can still result in airborne lead concentrations in excess of regulatory limits. For this reason, OSHA has not defined lead-containing paint, but states that paint having any measurable level of lead may pose a substantial exposure hazard during construction work, depending upon the work performed.

3.0 PROCEDURES

3.1 Paint Sampling Methodologies

Direct measurements of lead in paint were made using a Niton 300 XLp Series X-ray Fluorescence (XRF) Spectrum Analyzer. The Niton 300 XLp Lead Paint Analyzer non-destructively measures lead concentrations of painted surfaces, regardless of the number of layers present. These instruments were developed specifically for addressing lead-based paint issues in housing and their use in identifying potential exposure hazards for renovation or construction work must be augmented by selective collection and analysis of physical paint chip samples.

The newer XRF instruments are capable of identifying lead in paint at concentrations of about 0.3 milligram per square centimeter (mg/cm^2) or greater. When lead concentrations are lower than this, the instruments are not capable of making accurate, reliable measurements, and the reported lead concentration may underestimate or overestimate the actual lead concentration in the paint. Therefore, an XRF readings of 0.4 mg/cm^2 or greater may be considered lead-containing from an OSHA perspective, and any readings of 0.3 mg/cm^2 or less should be confirmed by the collection and laboratory analysis of paint chip samples, or assumed to be positive for lead.

Where paint chip samples are necessary, samples are collected according to the protocol specified in the HUD Guidelines. The samples are then submitted to a laboratory recognized under the EPA's National Lead Laboratory Accreditation Program (NLLAP)

for analysis by flame atomic absorption spectrophotometry according to American Society of Testing and Materials (ASTM) method ASTM E 1645.

3.2 XRF Calibration

Before beginning the testing and after the testing was completed, the internal calibration of the Niton XLp 300 was checked by taking three consecutive measurements on a National Institute for Standards and Technology (NIST) standard with a known concentration of lead. These calibration checks are reported within the XRF data tables found in Appendix A of this report and are maintained in a file at R & R Environmental, Inc. to detect changes in instrument performance over time.

3.3 Lead Paint Inspection Data Tables

The XRF instrument generates a unique set of data tables for each inspection and can be exported into Microsoft Excel Spreadsheet format .xls. The Sequential Report lists the measurements made throughout the property in sequential order, from the first measurement to the last. The Data table is maintained in a file at R & R Environmental, Inc.

4.0 FINDINGS

The XRF instrument indicated that lead is present on some interior and exterior surfaces. These surfaces are listed in Table 1 "positive" building components (Measurements of 0.3 mg/cm^2 and above) in Appendix A of this report:

Interior

- Door Frames, Ceramic Tile Walls, Ceramic Tile Baseboards, Miscellaneous Components

Exterior

- Some Door Frames, Some Doors

Because lead has been detected in some of the building's painted surfaces, the OSHA Lead in Construction Standard (29 CFR 1926.62) applies to any construction work (including renovation and demolition) that may disturb those surfaces. The standard requires, among other things, the following:

- Initial training on the hazards of lead exposure, proper work practices, respiratory protection, and other topics;

- An initial exposure assessment, by air monitoring, to determine the lead exposure assessment, until sample analysis indicates exposures below the Permissible Exposure Limit;

- Hand washing facilities, designated clean change areas, and designated eating areas.

In addition to the above considerations, the presence of lead in demolition debris has the potential to impose limitations on where and how the debris may be disposed. The Resource Conservation and Recovery Act (RCRA), Subtitles C and D, require that the waste must be analyzed to determine the amount of leachable lead present. The type of test to be performed on the waste is the Toxicity Characteristic Leaching Procedure (TCLP) for lead, and the results of this test will determine whether the material must be handled and disposed of as hazardous waste. For structures containing large amounts of lead-containing paint, significant potential for failing the TCLP exists.

5.0 RESULTS AND RECOMMENDATIONS

Lead-based paint was found on various interior and exterior components. The lead-based paint on these components is intact. These components should be left undisturbed in place.

6.0 LIMITATIONS AND EXCLUSIONS OF WARRANTY

This lead inspection was performed using procedures and a level of diligence typically exercised by professional consultants performing similar services. However, lead-based paint (LBP) can be present in a surface, but not identified using ordinary investigative procedures.

No lead inspection can completely eliminate uncertainty regarding the presence of LBP. R & R Environmental, Inc. level of diligence and investigative procedures are intended to reduce, but not eliminate, potential uncertainty regarding the presence of LBP. The procedures used for this survey attempt to establish a balance between the competing goals of limiting investigative costs, time, and building damage, and reducing the uncertainty about unknown conditions. Therefore, the determinations in this report should not be construed as a guarantee that all LBP present in the subject property has been included in this report.

This report presents R & R Environmental, Inc.'s professional determinations, which are dependent upon information obtained during performance of consulting services. R &R Environmental, Inc. assumes no responsibility for omissions or errors resulting from inaccurate information provided by sources outside of R & R Environmental, Inc.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report. The limitations presented above supersede the requirements or provisions of all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herein.

Appendix A

Lead Paint Inspection Data Tables

Table 1

Building Components with Lead Levels at 0.3 mg/cm^2 and Above
LaSal Hall
Weber State University

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
Calibrate		1	1							
Calibrate		2	1							
Calibrate		3	1.1							
122	First	12	0.3	Door Frame	B	Metal	Gray	Intact		
122	First	21	0.4	Pipe	C	Metal	Off-White	Intact		
122	First	23	15.5	Window Sill	C	Ceramic	Tan	Intact		
121	First	25	0.3	Door Frame	C	Metal	Gray	Intact		
119	First	34	0.3	Door Frame	B	Metal	Gray	Intact		
119	First	36	7.9	Wall	D	Ceramic	Blue	Intact		
124	First	42	0.4	Door	D	Metal	Tan	Intact		
124	First	56	0.3	Motor	A	Metal	Red	Intact		
124	First	58	0.6	Motor	A	Metal	Gray	Intact		
124	First	76	0.5	Motor	C	Metal	Red	Intact		
124	First	86	2.6	Pipe	Center	Metal	Yellow	Intact		
118	First	97	0.5	Baseboard	D	Ceramic	Tan	Intact		
125	First	100	0.5	Baseboard	C	Ceramic	Tan	Intact		
126	First	114	0.6	Baseboard	D	Ceramic	Tan	Intact		
114	First	144	0.3	Door Frame	B	Metal	Gray	Intact		
114	First	152	12.9	Window Sill	A	Ceramic	Tan	Intact		
111	First	165	0.3	Door Frame	D	Metal	Off-White	Intact		
112	First	170	0.5	Door Frame	C	Metal	Off-White	Intact		
112	First	172	6.4	Wall	A	Ceramic	Tan	Intact		
109	First	175	0.5	Door Frame	C	Metal	Off-White	Intact		
Shutter Cal		201	8.11							
235	Second	208	0.4	Door Frame	A	Metal	Tan	Intact		
203	Second	230	0.4	Door Frame	D	Metal	Off-White	Intact		
204	Second	238	0.4	Door Frame	D	Metal	Off-White	Intact		
213	Second	286	0.4	Door Frame	B	Metal	Off-White	Intact		
244	Second	313	0.4	Door Frame	D	Metal	Off-White	Intact		
244	Second	317	0.3	Door Frame	D	Metal	Off-White	Intact		
244	Second	319	3.9	Wall	D	Ceramic	Off-White	Intact		
214	Second	333	0.5	Door Frame	B	Metal	Off-White	Intact		
215	Second	342	0.3	Door Frame	B	Metal	Off-White	Intact		
217	Second	362	0.4	Door Frame	B	Metal	Off-White	Intact		
228	Second	377	3.3	Wall	B	Ceramic	Off-White	Intact		
234	Second	382	0.4	Door Frame	A	Metal	Off-White	Intact		
225	Second	392	0.3	Door Frame	D	Metal	Off-White	Intact		
222	Second	420	0.3	Door Frame	D	Metal	Off-White	Intact		
227	Second	431	0.4	Shelf	D	Wood	Off-White	Intact		
232	Second	435	7.9	Wall	D	Ceramic	Off-White	Intact		
301	Third	442	0.3	Wall	D	Cinderblock	Off-White	Intact		
302	Third	462	0.4	Door Frame	D	Metal	Off-White	Intact		
303	Third	473	0.4	Door Frame	D	Metal	Off-White	Intact		
304	Third	483	0.4	Door Frame	D	Metal	Off-White	Intact		
Shutter Cal		503	8.11							
343	Third	505	0.4	Door Frame	B	Metal	Off-White	Intact		
342	Third	513	5.4	Wall	D	Ceramic	Off-White	Intact		
336	Third	515	0.3	Door Frame	B	Metal	Off-White	Intact		
308	Third	518	0.3	Door Frame	A	Metal	Off-White	Intact		
311	Third	547	0.3	Door Frame	B	Metal	Off-White	Intact		
344	Third	565	0.3	Door Frame	D	Metal	Off-White	Intact		
338	Third	569	0.3	Door Frame	D	Metal	Off-White	Intact		
338	Third	571	5	Wall	B	Ceramic	Off-White	Intact		
318	Third	579	0.3	Door Frame	C	Metal	Off-White	Intact		
315	Third	596	0.3	Door Frame	B	Metal	Off-White	Intact		
326	Third	625	0.3	Shelf	B	Wood	Off-White	Intact		
328	Third	630	4.6	Wall	B	Ceramic	Off-White	Intact		
321	Third	634	0.3	Door Frame	A	Metal	Off-White	Intact		
321	Third	636	0.3	Door Frame	C	Metal	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
325	Third	644	0.3	Door Frame	D	Metal	Off-White	Intact		
322	Third	673	0.3	Door Frame	D	Metal	Off-White	Intact		
332	Third	688	6.6	Wall	B	Ceramic	Off-White	Intact		
443	Fourth	756	0.3	Door Frame	B	Metal	Off-White	Intact		
442	Fourth	761	0.3	Door Frame	B	Metal	Off-White	Intact		
442	Fourth	763	6	Wall	D	Ceramic	Off-White	Intact		
408	Fourth	769	0.3	Door Frame	A	Metal	Off-White	Intact		
412	Fourth	788	0.3	Door Frame	B	Metal	Off-White	Intact		
409	Fourth	809	0.4	Door Frame	B	Metal	Off-White	Intact		
409	Fourth	812	0.3	Wall	C	Cinderblock	Off-White	Intact		
438	Fourth	821	0.3	Door Frame	D	Metal	Off-White	Intact		
438	Fourth	823	3.5	Wall	D	Ceramic	Off-White	Intact		
418	Fourth	830	0.3	Door Frame	C	Metal	Off-White	Intact		
414	Fourth	843	0.3	Shelf	A	Wood	Clear	Intact		
415	Fourth	849	0.3	Wall	C	Cinderblock	Off-White	Intact		
417	Fourth	867	0.3	Wall	A	Cinderblock	Off-White	Intact		
428	Fourth	881	4	Wall	B	Ceramic	Off-White	Intact		
434	Fourth	883	0.3	Door Frame	D	Metal	Off-White	Intact		
421	Fourth	889	0.3	Wall	D	Cinderblock	Off-White	Intact		
424	Fourth	906	0.3	Wall	D	Cinderblock	Off-White	Intact		
427	Fourth	931	0.4	Door Frame	B	Metal	Off-White	Intact		
432	Fourth	936	0.3	Door Frame	B	Metal	Off-White	Intact		
432	Fourth	937	0	Wall	D	Plaster	Off-White	Intact		
432	Fourth	938	6.9	Wall	D	Ceramic	Off-White	Intact		
Exterior	First	950	0.3	Door Frame	B	Metal	Brown	Intact		
Exterior	First	953	0.3	Door	C Right	Metal	Brown	Intact		
Exterior	First	954	0.4	Door Frame	C Right	Metal	Brown	Intact		
Exterior	Second	957	0.3	Door Frame	C	Metal	Brown	Intact		

Note 1: A=North, B=East, C=South, D=West

Table 2

Building Components with Lead Levels Below 0.3 mg/cm^2
LaSal Hall
Weber State University

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
123	First	4	0.24	Door Frame	A	Metal	Gray	Intact		
123	First	5	0.07	Door Frame	C	Metal	Gray	Intact		
123	First	6	0	Door	C	Metal	Gray	Intact		
123	First	7	0.01	Wall	B	Cinderblock	Off-White	Intact		
123	First	8	0.01	Wall	D	Cinderblock	Off-White	Intact		
123	First	9	0.01	Ceiling	Center	Plaster	Off-White	Intact		
123	First	10	0.02	Floor	Center	Concrete	Clear	Intact		
122	First	11	0	Door	B	Wood	Clear	Intact		
122	First	13	0.11	Wall	A	Cinderblock	Off-White	Intact		
122	First	14	0.1	Wall	B	Cinderblock	Off-White	Intact		
122	First	15	0.13	Wall	C	Cinderblock	Off-White	Intact		
122	First	16	0.12	Wall	D	Cinderblock	Off-White	Intact		
122	First	17	0.11	Ceiling	Center	Plaster	Off-White	Intact		
122	First	18	0.06	Shelf	A	Wood	Off-White	Intact		
122	First	19	0.04	Sink	A	Metal	Off-White	Intact		
122	First	20	0.14	Pipe	C	Paper	Off-White	Intact		
122	First	22	0	Radiator	D	Metal	Tan	Intact		
121	First	24	0.04	Door	C	Wood	Clear	Intact		
121	First	26	0.13	Wall	A	Cinderblock	Off-White	Intact		
121	First	27	0.17	Wall	C	Cinderblock	Off-White	Intact		
121	First	28	0.25	Ceiling	Center	Plaster	Off-White	Intact		
121	First	29	0.02	Radiator	A	Metal	Tan	Intact		
121	First	30	0.16	Pipe	A	Paper	Off-White	Intact		
121	First	31	0	Rack	B	Wood	Off-White	Intact		
121	First	32	0	Shelf	D	Wood	Off-White	Intact		
119	First	33	0.01	Door	B	Wood	Clear	Intact		
119	First	35	0.01	Wall	D	Plaster	Off-White	Intact		
119	First	37	0.03	Floor	Center	Ceramic	Blue	Intact		
119	First	38	0.02	Ceiling	Center	Plaster	Off-White	Intact		
124	First	39	0.22	Door	C	Metal	Tan	Intact		
124	First	40	0.26	Door Frame	C	Metal	Tan	Intact		
124	First	41	0.2	Door Frame	D	Metal	Tan	Intact		
124	First	42	0.4	Door	D	Metal	Tan	Intact		
124	First	43	0	Comp. Tank	A	Metal	Blue	Intact		
124	First	44	0	Comp. Motor	A	Metal	Blue	Intact		
124	First	45	0	Comp. Motor	A	Metal	Blue	Intact		
124	First	46	0.09	Tank	A	Cloth	Green	Intact		
124	First	47	0.09	Base	A	Metal	Green	Intact		
124	First	48	0.03	Control Box	A	Metal	Tan	Intact		
124	First	49	0.12	Motor	A	Metal	Tan	Intact		
124	First	50	0.01	Motor	A	Metal	Tan	Intact		
124	First	51	0	Motor	A	Metal	Tan	Intact		
124	First	52	0.15	Motor	A	Metal	Tan	Intact		
124	First	53	0.05	Pipe	A	Cloth	Green	Intact		
124	First	54	0.06	Pipe	A	Cloth	Green	Intact		
124	First	55	0	Motor	A	Metal	Red	Intact		
124	First	57	0.22	Motor	A	Metal	Red	Intact		
124	First	59	0	Control Box	A	Metal	Gray	Intact		
124	First	60	0.08	Air Handler	B	Metal	Green	Intact		
124	First	61	0.02	Air Handler	B	Metal	Green	Intact		
124	First	62	0	Motor	B	Metal	Blue	Intact		
124	First	63	0	Control Box	B	Metal	Beige	Intact		
124	First	64	0.01	Pipe	B	Metal	Gray	Intact		
124	First	65	0	Breaker Panel	C	Metal	Gray	Intact		
124	First	66	0	Conduit Box	C	Metal	Gray	Intact		
124	First	67	0	Conduit Box	C	Metal	Gray	Intact		
124	First	68	0	Switch	C	Metal	Gray	Intact		
124	First	69	0.01	Breaker Panel	C	Metal	Gray	Intact		
124	First	70	0.06	Conduit	C	Metal	Green	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
124	First	71	0	Switch	C	Metal	Gray	Intact		
124	First	72	0	Switch	C	Metal	Gray	Intact		
124	First	73	0	Control Box	C	Metal	Gray	Intact		
124	First	74	0	Switch	C	Metal	Gray	Intact		
124	First	75	0	Switch	C	Metal	Gray	Intact		
124	First	77	0	Tank	C	Metal	Red	Intact		
124	First	78	0	Control Box	C	Metal	Tan	Intact		
124	First	79	0	Control Box	C	Metal	Tan	Intact		
124	First	80	0.06	Pipe	C	Cloth	Green	Intact		
124	First	81	0	Breaker Panel	D	Metal	Gray	Intact		
124	First	82	0.19	Control Box	D	Metal	Red	Intact		
124	First	83	0	Boiler	Center	Metal	Blue	Intact		
124	First	84	0	Control Box	Center	Metal	Blue	Intact		
124	First	85	0	Motor	Center	Metal	Blue	Intact		
124	First	87	0	Pipe	Center	Metal	Black	Intact		
124	First	88	0.06	Tank	Center	Metal	Silver	Intact		
124	First	89	0	Wall	A	Cinderblock	Green	Intact		
124	First	90	0	Wall	B	Cinderblock	Green	Intact		
124	First	91	0.09	Wall	C	Cinderblock	Green	Intact		
124	First	92	0.01	Wall	D	Cinderblock	Green	Intact		
124	First	93	0	Ceiling	Center	Concrete	Green	Intact		
118	First	94	0.07	Door	D	Metal	Tan	Intact		
118	First	95	0.07	Door Frame	D	Metal	Tan	Intact		
118	First	96	0.01	Wall	D	Brick	Clear	Intact		
118	First	98	0.08	Column	Center	Concrete	Tan	Intact		
125	First	99	0.09	Column	Center	Concrete	Tan	Intact		
126	First	101	0	Door	C	Wood	Clear	Intact		
126	First	102	0.13	Door Frame	C	Metal	Tan	Intact		
126	First	103	0.02	Wall	A	Cinderblock	Cream	Intact		
126	First	104	0.01	Wall	C	Cinderblock	Cream	Intact		
126	First	105	0.01	Ceiling	Center	Plaster	Cream	Intact		
126	First	106	0	Cabinet	A	Wood	Clear	Intact		
126	First	107	0.2	Pipe	A	Paper	Off-White	Intact		
126	First	108	0.01	Box	C	Metal	Gray	Intact		
126	First	109	0.25	Door	D	Metal	Tan	Intact		
126	First	110	0.09	Door Frame	D	Metal	Tan	Intact		
126	First	111	0.07	Column	Center	Concrete	Tan	Intact		
126	First	112	0.04	Column	B	Concrete	Tan	Intact		
126	First	113	0.06	Column	B	Concrete	Tan	Intact		
101	First	115	0.16	Door	B	Metal	Tan	Intact		
101	First	116	0.12	Door	B	Metal	Tan	Intact		
101	First	117	0.21	Door Frame	B	Metal	Tan	Intact		
101	First	118	0.28	Door Frame	B	Metal	Tan	Intact		
101	First	119	0.04	Column	B	Concrete	Tan	Intact		
101	First	120	0	Floor	Center	Ceramic	Beige	Intact		
101	First	121	0	Control Box	C	Metal	Black	Intact		
101	First	122	0	Control Box	C	Metal	Black	Intact		
101	First	123	0	Control Box	C	Metal	Red	Intact		
101	First	124	0	Display Cab	C	Metal	Black	Intact		
103	First	125	0.01	Door	C	Wood	Clear	Intact		
103	First	126	0.16	Door Frame	C	Metal	Off-White	Intact		
103	First	127	0.08	Wall	A	Cinderblock	Off-White	Intact		
103	First	128	0.01	Wall	C	Cinderblock	Off-White	Intact		
103	First	129	0.01	Ceiling	Center	Plaster	Off-White	Intact		
103	First	130	0	Mount	D	Wood	Off-White	Intact		
103	First	131	0	Cabinet	D	Metal	Black	Intact		
113	First	132	0	Door	A	Metal	Gray	Intact		
113	First	133	0.26	Door Frame	A	Metal	Gray	Intact		
113	First	134	0.24	Door Frame	C	Metal	Gray	Intact		
113	First	135	0.02	Wall	B	Cinderblock	Off-White	Intact		
113	First	136	0.01	Wall	D	Cinderblock	Off-White	Intact		
113	First	137	0.01	Ceiling	D	Plaster	Off-White	Intact		
113	First	138	0	Floor	Center	Concrete	Clear	Intact		
113	First	139	0.04	Radiator	B	Metal	Gray	Intact		
113	First	140	0.05	Fire Ext Box	B	Metal	Gray	Intact		
113	First	141	0.01	Access Panel	B	Metal	Gray	Intact		
113	First	142	0.01	Access Panel	B	Metal	Gray	Intact		
114	First	143	0.01	Door	B	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
114	First	145	0.09	Wall	A	Cinderblock	Off-White	Intact		
114	First	146	0.11	Wall	B	Cinderblock	Off-White	Intact		
114	First	147	0.2	Wall	C	Cinderblock	Off-White	Intact		
114	First	148	0.14	Wall	D	Cinderblock	Off-White	Intact		
114	First	149	0.05	Ceiling	Center	Plaster	Off-White	Intact		
114	First	150	0.14	Pipe	A	Metal	Off-White	Intact		
114	First	151	0.24	Pipe	A	Paper	Off-White	Intact		
114	First	153	0.05	Shelf	C	Wood	Off-White	Intact		
114	First	154	0.01	Sink	C	Metal	Off-White	Intact		
114	First	155	0.01	Radiator	D	Metal	Tan	Intact		
114	First	156	0.01	Door	A	Wood	Clear	Intact		
114	First	157	0.16	Door Frame	A	Metal	Tan	Intact		
114	First	158	0.1	Wall	A	Cinderblock	Cream	Intact		
114	First	159	0.11	Wall	C	Cinderblock	Cream	Intact		
114	First	160	0.13	Ceiling	Center	Plaster	Cream	Intact		
114	First	161	0	Cabinet	B	Wood	Clear	Intact		
114	First	162	0.04	Radiator	C	Metal	Tan	Intact		
114	First	163	0.12	Pipe	C	Paper	Off-White	Intact		
111	First	164	0	Door	D	Wood	Clear	Intact		
111	First	166	0.04	Wall	A	Cinderblock	Off-White	Intact		
111	First	167	0.13	Wall	C	Cinderblock	Off-White	Intact		
111	First	168	0	Ceiling	Center	Plaster	Off-White	Intact		
112	First	169	0.02	Door	C	Wood	Clear	Intact		
112	First	170	0.5	Door Frame	C	Metal	Off-White	Intact		
112	First	171	0.13	Wall	B	Concrete	Off-White	Intact		
112	First	173	0.12	Ceiling	Center	Plaster	Off-White	Intact		
109	First	174	0	Door	C	Wood	Clear	Intact		
109	First	176	0.09	Wall	A	Cinderblock	Off-White	Intact		
109	First	177	0	Wall	C	Cinderblock	Off-White	Intact		
109	First	178	0.02	Ceiling	Center	Plaster	Off-White	Intact		
109	First	179	0.05	Cabinet	Center	Wood	Clear	Intact		
108	First	180	0.06	Wall	B	Cinderblock	Off-White	Intact		
108	First	181	0	Wall	D	Wallboard	Off-White	Intact		
108	First	182	0.03	Ceiling	Center	Plaster	Off-White	Intact		
108	First	183	0	Cabinet	D	Wood	Clear	Intact		
107	First	184	0	Wall	C	Wood	Clear	Intact		
107	First	185	0.11	Wall	D	Cinderblock	Off-White	Intact		
107	First	186	0.09	Ceiling	Center	Plaster	Off-White	Intact		
106	First	187	0	Door	A	Wood	Clear	Intact		
106	First	188	0.21	Door Frame	A	Metal	Off-White	Intact		
106	First	189	0.17	Wall	C	Cinderblock	Off-White	Intact		
106	First	190	0.06	Shelf	C	Wood	Clear	Intact		
106	First	191	0.01	Door	B	Wood	Clear	Intact		
106	First	192	0.03	Door	C	Wood	Clear	Intact		
106	First	193	0.26	Door Frame	C	Metal	Off-White	Intact		
106	First	194	0.2	Door Frame	B	Metal	Off-White	Intact		
102	First	195	0.04	Wall	A	Cinderblock	Off-White	Intact		
102	First	196	0.02	Wall	D	Cinderblock	Off-White	Intact		
102	First	197	0.09	Control Box	B	Metal	Red	Intact		
102	First	198	0.02	Ceiling	Center	Plaster	Off-White	Intact		
199	First	199	0.01	Ceiling	Center	Plaster	Off-White	Intact		
199	First	200	0.01	Stair Structure	Center	Metal	Black	Intact		
201	Second	202	0	Wall	A	Cinderblock	Off-White	Intact		
201	Second	203	0	Wall	B	Cinderblock	Off-White	Intact		
201	Second	204	0.15	Wall	C	Cinderblock	Off-White	Intact		
201	Second	205	0	Wall	D	Cinderblock	Off-White	Intact		
201	Second	206	0.08	Ceiling	Center	Plaster	Off-White	Intact		
235	Second	207	0	Door	A	Wood	Clear	Intact		
235	Second	209	0.21	Wall	A	Cinderblock	Off-White	Intact		
235	Second	210	0	Wall	B	Cinderblock	Off-White	Intact		
235	Second	211	0	Cabinet	B	Wood	Red	Intact		
235	Second	212	0	Ceiling	Center	Plaster	Off-White	Intact		
206	Second	213	0	Door	A	Metal	Off-White	Intact		
206	Second	214	0.2	Door Frame	A	Metal	Off-White	Intact		
206	Second	216	0.04	Wall	B	Cinderblock	Off-White	Intact		
206	Second	217	0	Wall	D	Cinderblock	Off-White	Intact		
206	Second	218	0.04	Ceiling	Center	Plaster	Off-White	Intact		
206	Second	219	0.09	Radiator	B	Metal	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
206	Second	220	0	Door	D	Wood	Clear	Intact		
206	Second	221	0.29	Door Frame	D	Metal	Off-White	Intact		
206	Second	222	0	Wall	A	Cinderblock	Off-White	Intact		
206	Second	223	0	Wall	B	Cinderblock	Off-White	Intact		
206	Second	224	0.05	Wall	D	Cinderblock	Off-White	Intact		
206	Second	225	0.06	Ceiling	Center	Plaster	Off-White	Intact		
206	Second	226	0	Cabinet	D	Wood	Clear	Intact		
206	Second	227	0	Shelf	C	Wood	Clear	Intact		
206	Second	228	0	Radiator	B	Metal	Off-White	Intact		
203	Second	229	0	Door	D	Wood	Clear	Intact		
203	Second	231	0	Radiator	B	Metal	Off-White	Intact		
203	Second	232	0	Wall	B	Cinderblock	Off-White	Intact		
203	Second	233	0	Wall	C	Cinderblock	Off-White	Intact		
203	Second	234	0.04	Wall	D	Cinderblock	Off-White	Intact		
203	Second	235	0	Shelf	A	Wood	Clear	Intact		
203	Second	236	0	Cabinet	D	Wood	Clear	Intact		
204	Second	237	0	Door	D	Wood	Clear	Intact		
204	Second	239	0	Radiator	B	Metal	Off-White	Intact		
204	Second	240	0.05	Wall	A	Cinderblock	Off-White	Intact		
204	Second	241	0.03	Wall	B	Cinderblock	Off-White	Intact		
204	Second	242	0	Wall	C	Cinderblock	Off-White	Intact		
204	Second	243	0	Wall	D	Cinderblock	Off-White	Intact		
204	Second	244	0	Shelf	C	Wood	Clear	Intact		
204	Second	245	0	Cabinet	D	Wood	Clear	Intact		
205	Second	246	0	Door	D	Wood	Clear	Intact		
205	Second	247	0.1	Door Frame	D	Metal	Off-White	Intact		
205	Second	248	0.04	Wall	A	Cinderblock	Off-White	Intact		
205	Second	249	0	Wall	C	Cinderblock	Off-White	Intact		
205	Second	250	0	Wall	B	Metal	Off-White	Intact		
205	Second	252	0	Radiator	B	Metal	Off-White	Intact		
205	Second	253	0	Cabinet	D	Wood	Clear	Intact		
243	Second	254	0	Door	B	Wood	Clear	Intact		
243	Second	256	0.08	Wall	B	Cinderblock	Off-White	Intact		
243	Second	257	0.01	Ceiling	Center	Plaster	Off-White	Intact		
243	Second	258	0	Shelf	D	Wood	Off-White	Intact		
242	Second	259	0	Door	B	Wood	Clear	Intact		
242	Second	260	0.27	Door Frame	B	Metal	Off-White	Intact		
242	Second	261	0	Wall	C	Cinderblock	Off-White	Intact		
242	Second	262	0.01	Wall	C	Ceramic	Off-White	Intact		
236	Second	263	0	Door	B	Wood	Clear	Intact		
236	Second	264	0	Door Frame	B	Metal	Off-White	Intact		
236	Second	265	0	Wall	A	Plaster	Off-White	Intact		
208	Second	266	0	Door	A	Metal	Off-White	Intact		
208	Second	268	0.24	Door Frame	C	Metal	Off-White	Intact		
208	Second	269	0.06	Wall	B	Cinderblock	Off-White	Intact		
208	Second	270	0	Wall	D	Cinderblock	Off-White	Intact		
208	Second	271	0	Radiator	D	Metal	Off-White	Intact		
208	Second	272	0	Access Panel	D	Metal	Off-White	Intact		
208	Second	273	0.09	Ceiling	Center	Plaster	Off-White	Intact		
208	Second	274	0	Wall	B	Wood	Clear	Intact		
208	Second	275	0.07	Access Panel	B	Metal	Off-White	Intact		
213	Second	276	0	Door	B	Wood	Clear	Intact		
213	Second	277	0.15	Door Frame	B	Metal	Off-White	Intact		
213	Second	278	0	Wall	A	Cinderblock	Off-White	Intact		
213	Second	279	0.06	Wall	C	Cinderblock	Off-White	Intact		
213	Second	280	0.05	Wall	B	Cinderblock	Off-White	Intact		
213	Second	281	0	Wall	D	Metal	Off-White	Intact		
213	Second	282	0	Radiator	D	Metal	Off-White	Intact		
213	Second	283	0	Shelf	A	Wood	Clear	Intact		
213	Second	284	0	Cabinet	B	Wood	Clear	Intact		
213	Second	285	0	Door	B	Wood	Clear	Intact		
213	Second	287	0.2	Wall	A	Cinderblock	Off-White	Intact		
213	Second	288	0.03	Wall	B	Cinderblock	Off-White	Intact		
213	Second	289	0.07	Wall	C	Cinderblock	Off-White	Intact		
213	Second	290	0	Wall	D	Metal	Off-White	Intact		
213	Second	291	0.01	Radiator	D	Metal	Off-White	Intact		
213	Second	292	0.02	Ceiling	Center	Plaster	Off-White	Intact		
213	Second	293	0	Shelf	C	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
213	Second	294	0	Cabinet	B	Wood	Clear	Intact		
211	Second	295	0	Door	B	Wood	Clear	Intact		
211	Second	297	0.04	Wall	A	Cinderblock	Off-White	Intact		
211	Second	298	0	Wall	B	Cinderblock	Off-White	Intact		
211	Second	299	0.09	Wall	D	Metal	Off-White	Intact		
211	Second	300	0.04	Radiator	D	Metal	Off-White	Intact		
211	Second	301	0	Ceiling	Center	Plaster	Off-White	Intact		
211	Second	302	0.01	Shelf	A	Wood	Clear	Intact		
211	Second	303	0	Cabinet	B	Wood	Clear	Intact		
209	Second	304	0.02	Door	B	Wood	Clear	Intact		
209	Second	306	0.24	Radiator	D	Metal	Off-White	Intact		
209	Second	307	0.05	Wall	A	Wallboard	Off-White	Intact		
209	Second	308	0.01	Wall	C	Cinderblock	Off-White	Intact		
209	Second	309	0.05	Wall	D	Metal	Off-White	Intact		
209	Second	310	0.06	Ceiling	Center	Plaster	Off-White	Intact		
209	Second	311	0	Cabinet	A	Wood	Clear	Intact		
244	Second	312	0	Door	D	Wood	Clear	Intact		
244	Second	314	0.06	Wall	C	Cinderblock	Off-White	Intact		
244	Second	315	0	Shelf	B	Wood	Off-White	Intact		
244	Second	316	0	Door	B	Wood	Clear	Intact		
244	Second	318	0	Wall	D	Plaster	Off-White	Intact		
244	Second	320	0	Ceiling	Center	Plaster	Off-White	Intact		
238	Second	321	0	Door	D	Wood	Clear	Intact		
238	Second	322	0.18	Door Frame	D	Metal	Off-White	Intact		
238	Second	323	0.08	Wall	B	Plaster	Off-White	Intact		
218	Second	324	0.24	Door Frame	A	Metal	Off-White	Intact		
218	Second	325	0	Door	C	Metal	Off-White	Intact		
218	Second	326	0.27	Door Frame	C	Metal	Off-White	Intact		
218	Second	327	0.17	Wall	B	Cinderblock	Off-White	Intact		
218	Second	328	0.12	Wall	D	Cinderblock	Off-White	Intact		
218	Second	329	0	Ceiling	Center	Plaster	Off-White	Intact		
218	Second	330	0	Radiator	D	Metal	Off-White	Intact		
218	Second	331	0	Wall	B	Wood	Clear	Intact		
214	Second	332	0	Door	B	Wood	Clear	Intact		
214	Second	334	0	Wall	A	Cinderblock	Off-White	Intact		
214	Second	335	0.02	Wall	B	Cinderblock	Off-White	Intact		
214	Second	336	0	Wall	C	Cinderblock	Off-White	Intact		
214	Second	337	0.06	Wall	D	Metal	Off-White	Intact		
214	Second	338	0.2	Radiator	D	Metal	Off-White	Intact		
214	Second	339	0	Shelf	C	Wood	Clear	Intact		
214	Second	340	0.01	Cabinet	B	Wood	Clear	Intact		
215	Second	341	0	Door	B	Wood	Clear	Intact		
215	Second	343	0.01	Wall	A	Cinderblock	Off-White	Intact		
215	Second	344	0	Wall	B	Cinderblock	Off-White	Intact		
215	Second	345	0	Wall	C	Cinderblock	Off-White	Intact		
215	Second	346	0.02	Wall	D	Metal	Off-White	Intact		
215	Second	347	0	Radiator	D	Metal	Off-White	Intact		
215	Second	348	0.02	Ceiling	Center	Plaster	Off-White	Intact		
215	Second	349	0	Shelf	A	Wood	Clear	Intact		
215	Second	350	0	Cabinet	B	Wood	Clear	Intact		
216	Second	351	0	Door	B	Wood	Clear	Intact		
216	Second	352	0.23	Door Frame	B	Metal	Off-White	Intact		
216	Second	353	0.01	Wall	A	Cinderblock	Off-White	Intact		
216	Second	354	0.03	Wall	B	Cinderblock	Off-White	Intact		
216	Second	355	0	Wall	C	Cinderblock	Off-White	Intact		
216	Second	356	0.02	Wall	D	Metal	Off-White	Intact		
216	Second	357	0	Radiator	D	Metal	Off-White	Intact		
216	Second	358	0.01	Ceiling	C	Plaster	Off-White	Intact		
216	Second	359	0	Shelf	C	Wood	Clear	Intact		
216	Second	360	0	Cabinet	B	Wood	Clear	Intact		
217	Second	361	0.11	Door	B	Wood	Clear	Intact		
217	Second	363	0	Wall	A	Cinderblock	Off-White	Intact		
217	Second	364	0.07	Wall	C	Wallboard	Off-White	Intact		
217	Second	365	0.05	Wall	D	Metal	Off-White	Intact		
217	Second	366	0.02	Radiator	D	Metal	Off-White	Intact		
217	Second	367	0.08	Ceiling	Center	Plaster	Off-White	Intact		
217	Second	368	0	Cabinet	B	Wood	Clear	Intact		
226	Second	369	0.01	Door	D	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
226	Second	370	0.18	Door Frame	D	Metal	Off-White	Intact		
226	Second	371	0.09	Wall	A	Cinderblock	Off-White	Intact		
226	Second	372	0.09	Wall	B	Cinderblock	Off-White	Intact		
226	Second	373	0	Shelf	B	Wood	Off-White	Intact		
228	Second	374	0.02	Door	D	Wood	Clear	Intact		
228	Second	375	0.22	Door Frame	D	Metal	Off-White	Intact		
228	Second	376	0.02	Wall	B	Plaster	Off-White	Intact		
228	Second	378	0.09	Ceiling	Center	Plaster	Off-White	Intact		
234	Second	379	0.01	Door	D	Wood	Clear	Intact		
234	Second	380	0.12	Door Frame	D	Metal	Off-White	Intact		
234	Second	381	0.03	Wall	C	Plaster	Off-White	Intact		
234	Second	383	0	Door	C	Metal	Off-White	Intact		
234	Second	384	0.16	Door Frame	C	Metal	Off-White	Intact		
221	Second	385	0.07	Wall	A	Cinderblock	Off-White	Intact		
221	Second	386	0.1	Wall	B	Cinderblock	Off-White	Intact		
221	Second	387	0.03	Wall	D	Cinderblock	Off-White	Intact		
221	Second	388	0	Ceiling	Center	Plaster	Off-White	Intact		
221	Second	389	0.02	Radiator	B	Metal	Off-White	Intact		
221	Second	390	0	Access Panel	B	Metal	Off-White	Intact		
225	Second	391	0	Door	D	Wood	Clear	Intact		
225	Second	393	0	Wall	A	Cinderblock	Off-White	Intact		
225	Second	394	0.01	Wall	C	Cinderblock	Off-White	Intact		
225	Second	395	0.01	Wall	D	Cinderblock	Off-White	Intact		
225	Second	396	0	Wall	B	Metal	Off-White	Intact		
225	Second	397	0	Radiator	B	Metal	Off-White	Intact		
225	Second	398	0	Ceiling	Center	Plaster	Off-White	Intact		
225	Second	399	0	Cabinet	D	Wood	Clear	Intact		
224	Second	400	0	Door	D	Wood	Clear	Intact		
224	Second	401	0.2	Door Frame	D	Metal	Off-White	Intact		
224	Second	402	0	Wall	A	Cinderblock	Off-White	Intact		
224	Second	403	0	Wall	C	Cinderblock	Off-White	Intact		
224	Second	404	0	Wall	D	Cinderblock	Off-White	Intact		
224	Second	405	0.02	Wall	B	Metal	Off-White	Intact		
224	Second	406	0.02	Radiator	B	Metal	Off-White	Intact		
224	Second	407	0	Ceiling	Center	Plaster	Off-White	Intact		
224	Second	408	0	Shelf	A	Wood	Clear	Intact		
224	Second	409	0	Cabinet	D	Wood	Clear	Intact		
223	Second	410	0.02	Door	D	Wood	Clear	Intact		
223	Second	411	0.1	Door Frame	D	Metal	Off-White	Intact		
223	Second	412	0.01	Wall	A	Cinderblock	Off-White	Intact		
223	Second	413	0	Wall	C	Cinderblock	Off-White	Intact		
223	Second	414	0.02	Wall	D	Cinderblock	Off-White	Intact		
223	Second	415	0.02	Wall	B	Metal	Off-White	Intact		
223	Second	416	0	Radiator	B	Metal	Off-White	Intact		
223	Second	417	0	Ceiling	Center	Plaster	Off-White	Intact		
223	Second	418	0	Cabinet	D	Wood	Clear	Intact		
222	Second	419	0	Door	D	Wood	Clear	Intact		
222	Second	421	0.01	Wall	A	Cinderblock	Off-White	Intact		
222	Second	422	0.01	Wall	B	Cinderblock	Off-White	Intact		
222	Second	423	0.06	Wall	C	Wallboard	Off-White	Intact		
222	Second	424	0.04	Wall	C	Metal	Off-White	Intact		
222	Second	425	0.06	Radiator	C	Metal	Off-White	Intact		
222	Second	426	0	Ceiling	Center	Plaster	Off-White	Intact		
222	Second	427	0	Cabinet	D	Wood	Clear	Intact		
227	Second	428	0	Door	B	Wood	Clear	Intact		
227	Second	429	0.13	Door Frame	B	Metal	Off-White	Intact		
227	Second	430	0	Wall	A	Cinderblock	Off-White	Intact		
232	Second	432	0.06	Door	B	Wood	Clear	Intact		
232	Second	434	0.04	Wall	D	Plaster	Off-White	Intact		
233	Second	436	0	Door	B	Wood	Clear	Intact		
233	Second	437	0.24	Door Frame	B	Metal	Off-White	Intact		
233	Second	438	0	Wall	D	Plaster	Off-White	Intact		
301	Third	439	0.06	Wall	A	Cinderblock	Off-White	Intact		
301	Third	440	0.19	Wall	B	Cinderblock	Off-White	Intact		
301	Third	441	0.04	Wall	C	Cinderblock	Off-White	Intact		
301	Third	443	0	Ceiling	Center	Plaster	Off-White	Intact		
335	Third	444	0	Door	A	Wood	Clear	Intact		
335	Third	445	0.23	Door Frame	A	Metal	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
335	Third	446	0	Wall	A	Cinderblock	Off-White	Intact		
335	Third	447	0	Wall	C	Cinderblock	Off-White	Intact		
335	Third	448	0.07	Wall	D	Cinderblock	Off-White	Intact		
335	Third	449	0.09	Ceiling	Center	Plaster	Off-White	Intact		
335	Third	450	0	Cabinet	B	Wood	Brown	Intact		
335	Third	451	0	Pipe	C	Metal	Off-White	Intact		
306	Third	452	0	Door	A	Metal	Off-White	Intact		
306	Third	453	0.23	Door Frame	A	Metal	Off-White	Intact		
306	Third	454	0.17	Door Frame	C	Metal	Off-White	Intact		
306	Third	455	0	Wall	B	Cinderblock	Off-White	Intact		
306	Third	456	0	Wall	D	Cinderblock	Off-White	Intact		
306	Third	457	0	Ceiling	Center	Plaster	Off-White	Intact		
306	Third	458	0	Radiator	B	Metal	Off-White	Intact		
306	Third	459	0	Access Panel	B	Metal	Off-White	Intact		
306	Third	460	0.01	Wall	D	Wood	Clear	Intact		
302	Third	461	0	Door	D	Wood	Clear	Intact		
302	Third	463	0	Wall	A	Cinderblock	Off-White	Intact		
302	Third	464	0	Wall	B	Cinderblock	Off-White	Intact		
302	Third	465	0.02	Wall	C	Cinderblock	Off-White	Intact		
302	Third	466	0	Wall	D	Cinderblock	Off-White	Intact		
302	Third	467	0.04	Wall	B	Metal	Off-White	Intact		
302	Third	468	0.01	Radiator	B	Metal	Off-White	Intact		
302	Third	469	0.01	Ceiling	Center	Plaster	Off-White	Intact		
302	Third	470	0.01	Shelf	A	Wood	Clear	Intact		
302	Third	471	0	Shelf	D	Wood	Off-White	Intact		
303	Third	472	0	Door	D	Wood	Clear	Intact		
303	Third	474	0	Wall	A	Cinderblock	Off-White	Intact		
303	Third	475	0.03	Wall	C	Cinderblock	Off-White	Intact		
303	Third	476	0.02	Wall	D	Cinderblock	Off-White	Intact		
303	Third	477	0	Wall	B	Metal	Off-White	Intact		
303	Third	478	0.06	Radiator	B	Metal	Off-White	Intact		
303	Third	479	0.01	Ceiling	Center	Plaster	Off-White	Intact		
303	Third	480	0	Shelf	C	Wood	Clear	Intact		
303	Third	481	0	Cabinet	D	Wood	Clear	Intact		
304	Third	482	0	Door	D	Wood	Clear	Intact		
304	Third	484	0	Wall	A	Cinderblock	Off-White	Intact		
304	Third	485	0.02	Wall	B	Cinderblock	Off-White	Intact		
304	Third	486	0.04	Wall	C	Cinderblock	Off-White	Intact		
304	Third	487	0.02	Wall	D	Cinderblock	Off-White	Intact		
304	Third	488	0.01	Wall	B	Metal	Off-White	Intact		
304	Third	489	0	Radiator	B	Metal	Off-White	Intact		
304	Third	490	0	Ceiling	Center	Plaster	Off-White	Intact		
304	Third	491	0	Shelf	A	Wood	Clear	Intact		
304	Third	492	0	Cabinet	A	Wood	Clear	Intact		
305	Third	493	0.02	Door	A	Wood	Clear	Intact		
305	Third	494	0.4	Door Frame	A	Metal	Off-White	Intact		
305	Third	495	0	Wall	A	Wallboard	Off-White	Intact		
305	Third	496	0	Wall	A	Cinderblock	Off-White	Intact		
305	Third	497	0.04	Wall	C	Cinderblock	Off-White	Intact		
305	Third	498	0	Wall	B	Metal	Off-White	Intact		
305	Third	499	0	Radiator	B	Metal	Off-White	Intact		
305	Third	500	0.04	Column	A	Concrete	Off-White	Intact		
305	Third	501	0	Ceiling	Center	Plaster	Off-White	Intact		
305	Third	502	0	Cabinet	D	Wood	Clear	Intact		
343	Third	504	0	Door	B	Wood	Clear	Intact		
343	Third	506	0	Wall	C	Cinderblock	Off-White	Intact		
343	Third	507	0	Ceiling	Center	Plaster	Off-White	Intact		
343	Third	508	0	Shelf	D	Wood	Off-White	Intact		
342	Third	509	0	Door	B	Wood	Clear	Intact		
342	Third	510	0	Door Frame	B	Metal	Off-White	Intact		
342	Third	511	0	Ceiling	Center	Plaster	Off-White	Intact		
342	Third	512	0	Wall	D	Plaster	Off-White	Intact		
336	Third	514	0	Door	B	Wood	Clear	Intact		
336	Third	516	0	Wall	D	Plaster	Off-White	Intact		
308	Third	517	0	Door	A	Metal	Off-White	Intact		
308	Third	519	0.26	Door Frame	C	Metal	Off-White	Intact		
308	Third	520	0	Wall	B	Cinderblock	Off-White	Intact		
308	Third	521	0	Wall	B	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
308	Third	522	0.07	Wall	D	Cinderblock	Off-White	Intact		
308	Third	523	0.04	Ceiling	Center	Plaster	Off-White	Intact		
308	Third	524	0	Radiator	D	Metal	Off-White	Intact		
308	Third	525	0	Wall	B	Wood	Clear	Intact		
308	Third	526	0.22	Access Panel	B	Metal	Off-White	Intact		
313	Third	527	0	Door	B	Wood	Clear	Intact		
313	Third	528	0.28	Door Frame	B	Metal	Off-White	Intact		
313	Third	529	0.02	Wall	A	Cinderblock	Off-White	Intact		
313	Third	530	0.02	Wall	B	Cinderblock	Off-White	Intact		
313	Third	531	0	Wall	C	Cinderblock	Off-White	Intact		
313	Third	532	0	Ceiling	Center	Plaster	Off-White	Intact		
313	Third	533	0	Wall	D	Metal	Off-White	Intact		
313	Third	534	0	Radiator	D	Metal	Off-White	Intact		
313	Third	535	0	Shelf	A	Wood	Clear	Intact		
312	Third	536	0	Door	B	Wood	Clear	Intact		
312	Third	537	0.28	Door Frame	B	Metal	Off-White	Intact		
312	Third	538	0.03	Wall	A	Cinderblock	Off-White	Intact		
312	Third	539	0.02	Wall	B	Cinderblock	Off-White	Intact		
312	Third	540	0	Wall	C	Cinderblock	Off-White	Intact		
312	Third	541	0.02	Ceiling	Center	Plaster	Off-White	Intact		
312	Third	542	0	Wall	D	Metal	Off-White	Intact		
312	Third	543	0.01	Radiator	D	Metal	Off-White	Intact		
312	Third	544	0	Shelf	C	Wood	Clear	Intact		
312	Third	545	0	Cabinet	B	Wood	Clear	Intact		
311	Third	546	0	Door	B	Wood	Clear	Intact		
311	Third	548	0	Wall	A	Cinderblock	Off-White	Intact		
311	Third	549	0.13	Wall	B	Cinderblock	Off-White	Intact		
311	Third	550	0.01	Wall	C	Cinderblock	Off-White	Intact		
311	Third	551	0.01	Wall	D	Metal	Off-White	Intact		
311	Third	552	0.17	Radiator	D	Metal	Off-White	Intact		
311	Third	553	0	Ceiling	Center	Plaster	Off-White	Intact		
311	Third	554	0	Shelf	A	Wood	Clear	Intact		
311	Third	555	0	Cabinet	B	Wood	Clear	Intact		
309	Third	556	0	Door	B	Wood	Clear	Intact		
309	Third	557	0.29	Door Frame	B	Metal	Off-White	Intact		
309	Third	558	0.09	Wall	A	Wallboard	Off-White	Intact		
309	Third	559	0	Wall	C	Cinderblock	Off-White	Intact		
309	Third	560	0.02	Wall	B	Metal	Off-White	Intact		
309	Third	561	0.07	Radiator	D	Metal	Off-White	Intact		
309	Third	562	0	Ceiling	Center	Plaster	Off-White	Intact		
309	Third	563	0.02	Cabinet	B	Wood	Clear	Intact		
344	Third	564	0	Door	D	Wood	Clear	Intact		
344	Third	566	0	Wall	D	Cinderblock	Off-White	Intact		
344	Third	567	0	Shelf	B	Wood	Off-White	Intact		
338	Third	568	0	Door	D	Wood	Clear	Intact		
338	Third	570	0	Wall	B	Plaster	Off-White	Intact		
338	Third	572	0	Floor	Center	Ceramic	Off-White	Intact		
337	Third	573	0.02	Door	D	Wood	Clear	Intact		
337	Third	574	0.2	Door Frame	D	Metal	Off-White	Intact		
337	Third	575	0	Wall	B	Plaster	Off-White	Intact		
337	Third	576	0	Ceiling	Center	Plaster	Off-White	Intact		
318	Third	577	0	Door Frame	A	Metal	Off-White	Intact		
318	Third	578	0	Door	C	Metal	Off-White	Intact		
318	Third	580	0	Wall	B	Cinderblock	Off-White	Intact		
318	Third	581	0	Wall	D	Cinderblock	Off-White	Intact		
318	Third	582	0	Ceiling	Center	Plaster	Off-White	Intact		
318	Third	583	0	Radiator	D	Metal	Off-White	Intact		
318	Third	584	0	Access Panel	D	Metal	Off-White	Intact		
314	Third	585	0	Door	B	Wood	Clear	Intact		
314	Third	586	0.29	Door Frame	B	Metal	Off-White	Intact		
314	Third	587	0	Wall	A	Cinderblock	Off-White	Intact		
314	Third	588	0	Wall	B	Cinderblock	Off-White	Intact		
314	Third	589	0.1	Wall	C	Cinderblock	Off-White	Intact		
314	Third	590	0.2	Wall	D	Metal	Off-White	Intact		
314	Third	591	0.03	Radiator	D	Metal	Off-White	Intact		
314	Third	592	0.06	Ceiling	Center	Plaster	Off-White	Intact		
314	Third	593	0	Shelf	C	Wood	Clear	Intact		
314	Third	594	0.04	Cabinet	B	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
315	Third	595	0	Door	B	Wood	Clear	Intact		
315	Third	597	0	Wall	A	Cinderblock	Off-White	Intact		
315	Third	598	0.02	Wall	B	Cinderblock	Off-White	Intact		
315	Third	599	0.03	Wall	C	Cinderblock	Off-White	Intact		
315	Third	600	0	Wall	D	Metal	Off-White	Intact		
315	Third	601	0	Radiator	D	Metal	Off-White	Intact		
315	Third	602	0	Ceiling	Center	Plaster	Off-White	Intact		
315	Third	603	0.06	Shelf	A	Wood	Clear	Intact		
315	Third	604	0.03	Cabinet	B	Wood	Clear	Intact		
316	Third	605	0.04	Door	B	Wood	Clear	Intact		
316	Third	606	0.12	Door Frame	B	Metal	Off-White	Intact		
316	Third	607	0	Wall	A	Cinderblock	Off-White	Intact		
316	Third	608	0	Wall	B	Cinderblock	Off-White	Intact		
316	Third	609	0.02	Wall	C	Cinderblock	Off-White	Intact		
316	Third	610	0.02	Wall	D	Metal	Off-White	Intact		
316	Third	611	0	Radiator	D	Metal	Off-White	Intact		
316	Third	612	0	Shelf	C	Wood	Clear	Intact		
316	Third	613	0	Cabinet	B	Wood	Clear	Intact		
317	Third	614	0.01	Door	B	Wood	Clear	Intact		
317	Third	615	0.26	Door Frame	B	Metal	Off-White	Intact		
317	Third	616	0.13	Wall	A	Cinderblock	Beige	Intact		
317	Third	617	0.02	Wall	C	Wallboard	Beige	Intact		
317	Third	618	0.05	Wall	D	Metal	Off-White	Intact		
317	Third	619	0.01	Radiator	D	Metal	Off-White	Intact		
317	Third	620	0	Ceiling	Center	Plaster	Off-White	Intact		
317	Third	621	0	Cabinet	B	Wood	Clear	Intact		
326	Third	622	0.01	Door	D	Wood	Clear	Intact		
326	Third	623	0.1	Door Frame	D	Metal	Off-White	Intact		
326	Third	624	0.2	Wall	D	Cinderblock	Off-White	Intact		
326	Third	626	0	Ceiling	Center	Plaster	Off-White	Intact		
328	Third	627	0	Door	D	Wood	Clear	Intact		
328	Third	628	0.24	Door Frame	D	Metal	Off-White	Intact		
328	Third	629	0	Wall	B	Plaster	Off-White	Intact		
334	Third	631	0.01	Door	D	Wood	Clear	Intact		
334	Third	632	0.26	Door Frame	D	Metal	Off-White	Intact		
334	Third	633	0	Wall	D	Plaster	Off-White	Intact		
321	Third	635	0.1	Door	C	Metal	Off-White	Intact		
321	Third	637	0	Wall	B	Cinderblock	Off-White	Intact		
321	Third	638	0.05	Wall	D	Cinderblock	Off-White	Intact		
321	Third	639	0.12	Ceiling	Center	Plaster	Off-White	Intact		
321	Third	640	0	Radiator	B	Metal	Off-White	Intact		
321	Third	641	0	Access Panel	B	Metal	Off-White	Intact		
321	Third	642	0.1	Wall	D	Wood	Clear	Intact		
325	Third	643	0	Door	D	Wood	Clear	Intact		
325	Third	645	0	Wall	A	Cinderblock	Off-White	Intact		
325	Third	646	0	Wall	B	Cinderblock	Off-White	Intact		
325	Third	647	0	Wall	C	Cinderblock	Off-White	Intact		
325	Third	648	0.01	Wall	D	Cinderblock	Off-White	Intact		
325	Third	649	0	Wall	B	Metal	Off-White	Intact		
325	Third	650	0.01	Radiator	B	Metal	Off-White	Intact		
325	Third	651	0	Shelf	A	Wood	Clear	Intact		
325	Third	652	0	Cabinet	D	Wood	Clear	Intact		
324	Third	653	0	Door	D	Wood	Clear	Intact		
324	Third	654	0.28	Door Frame	D	Metal	Off-White	Intact		
324	Third	655	0.04	Wall	A	Cinderblock	Off-White	Intact		
324	Third	656	0.05	Wall	C	Cinderblock	Off-White	Intact		
324	Third	657	0	Wall	D	Cinderblock	Off-White	Intact		
324	Third	658	0.01	Radiator	B	Metal	Off-White	Intact		
324	Third	659	0.01	Ceiling	Center	Plaster	Off-White	Intact		
324	Third	660	0	Shelf	C	Wood	Clear	Intact		
324	Third	661	0	Cabinet	D	Wood	Clear	Intact		
323	Third	662	0	Door	D	Wood	Clear	Intact		
323	Third	663	0.25	Door Frame	D	Metal	Off-White	Intact		
323	Third	664	0.04	Wall	A	Cinderblock	Off-White	Intact		
323	Third	665	0	Wall	C	Cinderblock	Off-White	Intact		
323	Third	666	0	Wall	D	Cinderblock	Off-White	Intact		
323	Third	667	0	Wall	B	Metal	Off-White	Intact		
323	Third	668	0	Radiator	B	Metal	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
323	Third	669	0	Ceiling	Center	Plaster	Off-White	Intact		
323	Third	670	0	Shelf	A	Wood	Clear	Intact		
323	Third	671	0	Cabinet	D	Wood	Clear	Intact		
322	Third	672	0	Door	D	Wood	Clear	Intact		
322	Third	674	0.14	Wall	A	Cinderblock	Off-White	Intact		
322	Third	675	0	Wall	C	Wallboard	Off-White	Intact		
322	Third	676	0	Wall	B	Metal	Off-White	Intact		
322	Third	677	0.12	Radiator	B	Metal	Off-White	Intact		
322	Third	678	0	Ceiling	Center	Plaster	Off-White	Intact		
322	Third	679	0.01	Cabinet	C	Wood	Clear	Intact		
327	Third	680	0.05	Door	B	Wood	Clear	Intact		
327	Third	681	0.01	Door Frame	B	Metal	Off-White	Intact		
327	Third	682	0.11	Wall	B	Cinderblock	Off-White	Intact		
327	Third	683	0	Shelf	D	Wood	Off-White	Intact		
327	Third	684	0.04	Ceiling	Center	Plaster	Off-White	Intact		
332	Third	685	0	Door	B	Wood	Clear	Intact		
332	Third	686	0.27	Door Frame	B	Metal	Off-White	Intact		
332	Third	687	0.02	Wall	B	Plaster	Off-White	Intact		
332	Third	689	0.03	Ceiling	Center	Plaster	Off-White	Intact		
333	Third	690	0.01	Door	B	Wood	Off-White	Intact		
333	Third	691	0.25	Door Frame	B	Metal	Off-White	Intact		
333	Third	692	0	Wall	D	Plaster	Off-White	Intact		
333	Third	693	0	Ceiling	Center	Plaster	Off-White	Intact		
401	Fourth	694	0	Wall	A	Cinderblock	Off-White	Intact		
401	Fourth	695	0.05	Wall	B	Cinderblock	Off-White	Intact		
401	Fourth	696	0.05	Wall	C	Cinderblock	Off-White	Intact		
401	Fourth	697	0.07	Wall	D	Cinderblock	Off-White	Intact		
401	Fourth	698	0	Ceiling	Center	Plaster	Off-White	Intact		
435	Fourth	699	0	Door	A	Wood	Clear	Intact		
435	Fourth	700	0.21	Door Frame	A	Metal	Off-White	Intact		
435	Fourth	701	0.14	Wall	A	Cinderblock	Cream	Intact		
435	Fourth	702	0.08	Wall	C	Cinderblock	Cream	Intact		
435	Fourth	703	0.25	Wall	D	Cinderblock	Cream	Intact		
435	Fourth	704	0.1	Ceiling	Center	Plaster	Cream	Intact		
435	Fourth	705	0.07	Ladder	C	Metal	Cream	Intact		
435	Fourth	706	0	Hatch	Center	Metal	Off-White	Intact		
435	Fourth	707	0	Cabinet	C	Wood	Brown	Intact		
435	Fourth	708	0	Pipe	A	Paper	Cream	Intact		
406	Fourth	709	0	Door	A	Metal	Off-White	Intact		
406	Fourth	710	0.2	Door Frame	A	Metal	Off-White	Intact		
406	Fourth	711	0.1	Door Frame	C	Metal	Off-White	Intact		
406	Fourth	712	0.11	Wall	B	Cinderblock	Off-White	Intact		
406	Fourth	713	0.04	Wall	D	Cinderblock	Off-White	Intact		
406	Fourth	714	0	Wall	D	Wood	Clear	Intact		
406	Fourth	715	0	Ceiling	Center	Plaster	Off-White	Intact		
406	Fourth	716	0.01	Radiator	B	Metal	Off-White	Intact		
406	Fourth	717	0	Access Panel	B	Metal	Off-White	Intact		
402	Fourth	718	0	Door	D	Wood	Clear	Intact		
402	Fourth	719	0.23	Door Frame	D	Metal	Off-White	Intact		
402	Fourth	720	0.06	Wall	A	Cinderblock	Off-White	Intact		
402	Fourth	721	0	Wall	C	Cinderblock	Off-White	Intact		
402	Fourth	722	0	Wall	D	Cinderblock	Off-White	Intact		
402	Fourth	723	0	Wall	B	Metal	Off-White	Intact		
402	Fourth	724	0	Radiator	B	Metal	Off-White	Intact		
402	Fourth	725	0.06	Ceiling	Center	Plaster	Off-White	Intact		
402	Fourth	726	0.01	Shelf	A	Wood	Clear	Intact		
402	Fourth	727	0	Cabinet	D	Wood	Clear	Intact		
403	Fourth	728	0	Door	D	Wood	Clear	Intact		
403	Fourth	729	0.23	Door Frame	D	Metal	Off-White	Intact		
403	Fourth	730	0	Wall	A	Cinderblock	Off-White	Intact		
403	Fourth	731	0	Wall	C	Cinderblock	Off-White	Intact		
403	Fourth	732	0.05	Wall	D	Cinderblock	Off-White	Intact		
403	Fourth	733	0.01	Wall	B	Metal	Off-White	Intact		
403	Fourth	734	0.06	Radiator	B	Metal	Off-White	Intact		
403	Fourth	735	0.02	Ceiling	Center	Plaster	Off-White	Intact		
403	Fourth	736	0	Shelf	C	Wood	Clear	Intact		
403	Fourth	737	0	Cabinet	D	Wood	Clear	Intact		
404	Fourth	738	0	Door	D	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
404	Fourth	739	0.27	Door Frame	D	Metal	Off-White	Intact		
404	Fourth	740	0	Wall	A	Cinderblock	Off-White	Intact		
404	Fourth	741	0	Wall	C	Cinderblock	Off-White	Intact		
404	Fourth	742	0.03	Wall	D	Cinderblock	Off-White	Intact		
404	Fourth	743	0	Wall	B	Metal	Off-White	Intact		
404	Fourth	744	0.04	Radiator	B	Metal	Off-White	Intact		
404	Fourth	745	0	Ceiling	Center	Plaster	Off-White	Intact		
404	Fourth	746	0	Cabinet	D	Wood	Clear	Intact		
405	Fourth	747	0	Door	D	Wood	Clear	Intact		
405	Fourth	748	0.15	Door Frame	D	Metal	Off-White	Intact		
405	Fourth	749	0.09	Wall	A	Wallboard	Off-White	Intact		
405	Fourth	750	0.01	Wall	C	Cinderblock	Off-White	Intact		
405	Fourth	751	0.02	Wall	B	Metal	Off-White	Intact		
405	Fourth	752	0.01	Radiator	B	Metal	Off-White	Intact		
405	Fourth	753	0	Ceiling	Center	Plaster	Off-White	Intact		
405	Fourth	754	0	Cabinet	D	Wood	Clear	Intact		
443	Fourth	755	0	Door	B	Wood	Clear	Intact		
443	Fourth	756	0.3	Door Frame	B	Metal	Off-White	Intact		
443	Fourth	757	0.06	Wall	B	Cinderblock	Off-White	Intact		
443	Fourth	758	0.07	Ceiling	Center	Plaster	Off-White	Intact		
443	Fourth	759	0	Shelf	D	Wood	Off-White	Intact		
442	Fourth	760	0	Door	B	Wood	Clear	Intact		
442	Fourth	762	0.01	Wall	D	Plaster	Off-White	Intact		
442	Fourth	764	0	Ceiling	Center	Plaster	Off-White	Intact		
436	Fourth	765	0.03	Door	B	Wood	Clear	Intact		
436	Fourth	766	0.22	Door Frame	B	Metal	Off-White	Intact		
436	Fourth	767	0	Wall	D	Plaster	Off-White	Intact		
408	Fourth	768	0	Door	A	Metal	Off-White	Intact		
408	Fourth	771	0.07	Wall	B	Cinderblock	Off-White	Intact		
408	Fourth	772	0.05	Wall	D	Cinderblock	Off-White	Intact		
408	Fourth	773	0.08	Ceiling	Center	Plaster	Off-White	Intact		
408	Fourth	774	0.01	Radiator	D	Metal	Off-White	Intact		
408	Fourth	775	0.01	Access Panel	D	Metal	Off-White	Intact		
408	Fourth	776	0	Wall	B	Wood	Clear	Intact		
413	Fourth	777	0	Door	B	Wood	Clear	Intact		
413	Fourth	778	0.24	Door Frame	B	Metal	Off-White	Intact		
413	Fourth	779	0.02	Wall	A	Cinderblock	Off-White	Intact		
413	Fourth	780	0.02	Wall	B	Cinderblock	Off-White	Intact		
413	Fourth	781	0.01	Wall	C	Cinderblock	Off-White	Intact		
413	Fourth	782	0	Wall	D	Metal	Off-White	Intact		
413	Fourth	783	0.01	Radiator	D	Metal	Off-White	Intact		
413	Fourth	784	0	Ceiling	Center	Plaster	Off-White	Intact		
413	Fourth	785	0	Shelf	A	Wood	Clear	Intact		
413	Fourth	786	0	Cabinet	B	Wood	Clear	Intact		
412	Fourth	787	0	Door	B	Wood	Clear	Intact		
412	Fourth	789	0.04	Wall	A	Cinderblock	Off-White	Intact		
412	Fourth	790	0	Wall	B	Cinderblock	Off-White	Intact		
412	Fourth	791	0	Wall	C	Cinderblock	Off-White	Intact		
412	Fourth	792	0.23	Wall	D	Metal	Off-White	Intact		
412	Fourth	793	0.03	Radiator	D	Metal	Off-White	Intact		
412	Fourth	794	0.03	Ceiling	Center	Plaster	Off-White	Intact		
412	Fourth	795	0	Shelf	C	Wood	Clear	Intact		
412	Fourth	796	0.11	Cabinet	B	Wood	Clear	Intact		
411	Fourth	797	0	Door	B	Wood	Clear	Intact		
411	Fourth	798	0.18	Door Frame	B	Metal	Off-White	Intact		
411	Fourth	799	0	Wall	A	Cinderblock	Off-White	Intact		
411	Fourth	800	0	Wall	B	Cinderblock	Off-White	Intact		
411	Fourth	801	0	Wall	C	Cinderblock	Off-White	Intact		
411	Fourth	802	0	Wall	D	Metal	Off-White	Intact		
411	Fourth	803	0	Radiator	D	Metal	Off-White	Intact		
411	Fourth	804	0	Ceiling	Center	Plaster	Off-White	Intact		
411	Fourth	805	0	Shelf	A	Wood	Clear	Intact		
411	Fourth	806	0	Shelf	A	Wood	Clear	Intact		
411	Fourth	807	0	Cabinet	B	Wood	Clear	Intact		
409	Fourth	808	0	Door	B	Wood	Clear	Intact		
409	Fourth	810	0.05	Wall	A	Wallboard	Off-White	Intact		
409	Fourth	811	0	Wall	A	Cinderblock	Off-White	Intact		
409	Fourth	813	0.01	Wall	D	Metal	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
409	Fourth	814	0.08	Radiator	D	Metal	Off-White	Intact		
409	Fourth	815	0	Cabinet	B	Wood	Clear	Intact		
444	Fourth	816	0	Door	D	Wood	Clear	Intact		
444	Fourth	817	0.22	Door Frame	D	Metal	Off-White	Intact		
444	Fourth	818	0.03	Door Frame	D	Cinderblock	Off-White	Intact		
444	Fourth	819	0	Shelf	B	Wood	Off-White	Intact		
438	Fourth	820	0	Door	D	Wood	Clear	Intact		
438	Fourth	822	0.05	Wall	D	Plaster	Off-White	Intact		
438	Fourth	824	0.02	Ceiling	Center	Plaster	Off-White	Intact		
437	Fourth	825	0	Door	D	Wood	Clear	Intact		
437	Fourth	826	0.29	Door Frame	D	Metal	Off-White	Intact		
437	Fourth	827	0	Wall	D	Plaster	Off-White	Intact		
418	Fourth	828	0.19	Door Frame	A	Metal	Off-White	Intact		
418	Fourth	829	0	Door	C	Metal	Off-White	Intact		
418	Fourth	831	0.23	Wall	B	Cinderblock	Off-White	Intact		
418	Fourth	832	0.05	Wall	D	Cinderblock	Off-White	Intact		
418	Fourth	833	0.06	Ceiling	Center	Plaster	Off-White	Intact		
418	Fourth	834	0.02	Radiator	D	Metal	Off-White	Intact		
418	Fourth	835	0	Access Panel	D	Metal	Off-White	Intact		
414	Fourth	836	0	Door	B	Wood	Clear	Intact		
414	Fourth	837	0.24	Door Frame	B	Metal	Off-White	Intact		
414	Fourth	838	0	Wall	A	Cinderblock	Off-White	Intact		
414	Fourth	839	0	Wall	B	Cinderblock	Off-White	Intact		
414	Fourth	840	0.02	Wall	D	Metal	Off-White	Intact		
414	Fourth	841	0.02	Radiator	D	Metal	Off-White	Intact		
414	Fourth	842	0	Ceiling	Center	Plaster	Off-White	Intact		
414	Fourth	844	0	Cabinet	B	Wood	Clear	Intact		
415	Fourth	845	0	Door	B	Wood	Clear	Intact		
415	Fourth	846	0.26	Door Frame	B	Metal	Off-White	Intact		
415	Fourth	847	0.07	Wall	A	Cinderblock	Off-White	Intact		
415	Fourth	848	0.01	Wall	B	Cinderblock	Off-White	Intact		
415	Fourth	850	0.02	Wall	D	Metal	Off-White	Intact		
415	Fourth	851	0	Radiator	D	Metal	Off-White	Intact		
415	Fourth	852	0.01	Ceiling	Center	Plaster	Off-White	Intact		
415	Fourth	853	0	Shelf	C	Wood	Clear	Intact		
415	Fourth	854	0	Cabinet	B	Wood	Clear	Intact		
416	Fourth	855	0	Door	B	Wood	Clear	Intact		
416	Fourth	856	0.23	Door Frame	B	Metal	Off-White	Intact		
416	Fourth	857	0.01	Wall	A	Cinderblock	Off-White	Intact		
416	Fourth	858	0.03	Wall	B	Cinderblock	Off-White	Intact		
416	Fourth	859	0	Wall	C	Cinderblock	Off-White	Intact		
416	Fourth	860	0.02	Wall	D	Metal	Off-White	Intact		
416	Fourth	861	0.01	Radiator	D	Metal	Off-White	Intact		
416	Fourth	862	0	Ceiling	Center	Plaster	Off-White	Intact		
416	Fourth	863	0.01	Shelf	A	Wood	Clear	Intact		
416	Fourth	864	0.01	Cabinet	B	Wood	Clear	Intact		
417	Fourth	865	0	Door	B	Wood	Clear	Intact		
417	Fourth	866	0.25	Door Frame	B	Metal	Off-White	Intact		
417	Fourth	868	0	Wall	C	Wallboard	Off-White	Intact		
417	Fourth	869	0	Wall	D	Metal	Off-White	Intact		
417	Fourth	870	0	Radiator	D	Metal	Off-White	Intact		
417	Fourth	871	0	Ceiling	Center	Plaster	Off-White	Intact		
417	Fourth	872	0	Cabinet	B	Wood	Clear	Intact		
426	Fourth	873	0	Door	D	Wood	Clear	Intact		
426	Fourth	874	0.24	Door Frame	D	Metal	Off-White	Intact		
426	Fourth	875	0	Wall	D	Cinderblock	Off-White	Intact		
426	Fourth	876	0	Ceiling	Center	Plaster	Off-White	Intact		
426	Fourth	877	0.01	Shelf	B	Wood	Off-White	Intact		
428	Fourth	878	0.01	Door	D	Wood	Clear	Intact		
428	Fourth	879	0.24	Door Frame	D	Metal	Off-White	Intact		
428	Fourth	880	0	Wall	B	Plaster	Off-White	Intact		
434	Fourth	882	0	Door	D	Wood	Clear	Intact		
434	Fourth	884	0	Wall	D	Plaster	Off-White	Intact		
421	Fourth	886	0.1	Door	C	Metal	Off-White	Intact		
421	Fourth	887	0.28	Door Frame	C	Metal	Off-White	Intact		
421	Fourth	888	0	Wall	B	Cinderblock	Off-White	Intact		
421	Fourth	890	0.2	Ceiling	Center	Plaster	Off-White	Intact		
421	Fourth	891	0	Radiator	B	Metal	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
421	Fourth	892	0	Access Panel	B	Metal	Off-White	Intact		
425	Fourth	893	0	Door	D	Wood	Clear	Intact		
425	Fourth	894	0.08	Door Frame	D	Metal	Off-White	Intact		
425	Fourth	895	0	Wall	A	Cinderblock	Off-White	Intact		
425	Fourth	896	0	Wall	C	Cinderblock	Off-White	Intact		
425	Fourth	897	0.01	Wall	D	Cinderblock	Off-White	Intact		
425	Fourth	898	0	Wall	B	Metal	Off-White	Intact		
425	Fourth	899	0.01	Radiator	B	Metal	Off-White	Intact		
425	Fourth	900	0.01	Shelf	A	Wood	Clear	Intact		
425	Fourth	901	0	Cabinet	D	Wood	Clear	Intact		
424	Fourth	902	0	Door	D	Wood	Clear	Intact		
424	Fourth	903	0.22	Door Frame	D	Metal	Off-White	Intact		
424	Fourth	904	0.03	Wall	A	Cinderblock	Off-White	Intact		
424	Fourth	905	0	Wall	C	Cinderblock	Off-White	Intact		
424	Fourth	907	0	Wall	B	Metal	Off-White	Intact		
424	Fourth	908	0.02	Radiator	B	Metal	Off-White	Intact		
424	Fourth	909	0	Ceiling	Center	Plaster	Off-White	Intact		
424	Fourth	910	0.01	Shelf	C	Wood	Clear	Intact		
424	Fourth	911	0	Cabinet	D	Wood	Clear	Intact		
423	Fourth	912	0	Door	D	Wood	Clear	Intact		
423	Fourth	913	0.21	Door Frame	D	Metal	Off-White	Intact		
423	Fourth	914	0.05	Wall	A	Cinderblock	Off-White	Intact		
423	Fourth	915	0.04	Wall	C	Cinderblock	Off-White	Intact		
423	Fourth	916	0.02	Wall	D	Cinderblock	Off-White	Intact		
423	Fourth	917	0	Wall	B	Metal	Off-White	Intact		
423	Fourth	918	0.01	Radiator	B	Metal	Off-White	Intact		
423	Fourth	919	0.02	Ceiling	Center	Plaster	Off-White	Intact		
423	Fourth	920	0	Shelf	A	Wood	Clear	Intact		
423	Fourth	921	0	Cabinet	D	Wood	Clear	Intact		
422	Fourth	922	0	Door	D	Wood	Clear	Intact		
422	Fourth	923	0.17	Door Frame	D	Metal	Off-White	Intact		
422	Fourth	924	0.07	Wall	A	Cinderblock	Off-White	Intact		
422	Fourth	925	0.04	Wall	C	Wallboard	Off-White	Intact		
422	Fourth	926	0.05	Wall	B	Metal	Off-White	Intact		
422	Fourth	927	0.01	Radiator	B	Metal	Off-White	Intact		
422	Fourth	928	0.04	Ceiling	Center	Plaster	Off-White	Intact		
422	Fourth	929	0	Cabinet	D	Wood	Clear	Intact		
427	Fourth	930	0.02	Door	B	Wood	Clear	Intact		
427	Fourth	932	0.08	Wall	A	Cinderblock	Off-White	Intact		
427	Fourth	933	0	Ceiling	Center	Plaster	Off-White	Intact		
427	Fourth	934	0.04	Shelf	D	Wood	Off-White	Intact		
432	Fourth	935	0.01	Door	B	Wood	Off-White	Intact		
432	Fourth	937	0	Wall	D	Plaster	Off-White	Intact		
433	Fourth	939	0	Door	B	Wood	Clear	Intact		
433	Fourth	940	0.25	Door Frame	B	Metal	Off-White	Intact		
433	Fourth	941	0	Wall	D	Plaster	Off-White	Intact		
433	Fourth	942	0	Ceiling	Center	Plaster	Off-White	Intact		
Exterior	Fourth	943	0	Door	A	Metal	Brown	Intact		
Exterior	Fourth	944	0.16	Door Frame	A	Metal	Brown	Intact		
Exterior	First	945	0.21	Handrail	A	Metal	Brown	Intact		
Exterior	Fourth	946	0	Door	A	Metal	Brown	Intact		
Exterior	Fourth	947	0.16	Door Frame	A	Metal	Brown	Intact		
Exterior	First	948	0	Door	B	Metal	Brown	Intact		
Exterior	First	949	0.2	Door	B	Metal	Brown	Intact		
Exterior	First	951	0.17	Door Frame	B	Metal	Brown	Intact		
Exterior	First	952	0	Pipe	B	Metal	Off-White	Intact		
Exterior	First	955	0	Door	C	Metal	Brown	Intact		
Exterior	Second	956	0.18	Door	C	Metal	Brown	Intact		
Exterior	First	958	0.05	Door	D	Metal	Brown	Intact		
Exterior	First	959	0.01	Door	D	Metal	Brown	Intact		
Exterior	First	960	0.17	Door Frame	D	Metal	Brown	Intact		
Exterior	First	961	0.18	Door Frame	D	Metal	Brown	Intact		

Note 1: A=North, B=East, C=South, D=West

HAZARDOUS MATERIALS INSPECTION
FOR THE

LASAL HALL

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

WEBER STATE UNIVERSITY

February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT
4110 State Office Building/Salt Lake City, Utah 84114/538-3018

Mr. Robert Anderson
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Hazardous Materials Inspection

LaSal Hall
Weber State University
Ogden, Utah

During December 2009, Jon Craig of R & R Environmental, Inc., conducted a hazardous materials inspection of the LaSal Hall located at Weber State University, Ogden, Utah. The purpose of this survey was to identify the existence, extent, and condition of hazardous materials. The inspection was conducted based on a agreement with Mr. Robert J. Anderson, State of Utah Division of Facility Construction and Management (DFCM), Hazardous Material Manager.

Hazardous materials requiring proper removal and disposal was identified at the LaSal Hall, Weber State University, Ogden, Utah as follows:

Material	Location	Quantity	Unit Cost
PCB Ballast	Throughout	154 units	$1.00/lbs. (avg. 5lbs./unit)
Fluorescent Light	Throughout	308 tubes	$0.50/linear foot

The State of Utah's DFCM policy requires the items above to be removed and disposed of at a facility approved to accept such waste prior to demolition. This may or may not be applied to the city of Ogden, Weber County, but R & R Environmental, Inc. recommends removal and proper disposal of these components prior to any demolition activities.

The cost estimate to remove and dispose of these hazardous materials is estimated at approximately **$1,386.00**. This cost estimate does not include transportation, removal, design, or management fees associated with dismantling and packaging the materials.

ASBESTOS, LEAD AND HAZARDOUS MATERIALS
INSPECTION, SURVEY AND ASSESSMENT
FOR THE

STANSBURY HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

ASBESTOS SURVEY AND ASSESSMENT
FOR THE

STANSBURY HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

WEBER STATE UNIVERSITY

February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT
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ASBESTOS SURVEY AND ASSESSMENT
STANSBURY HALL
WEBER STATE UNIVERSITY

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1.0 EXECUTIVE SUMMARY

Asbestos Survey and Assessment
Stansbury Hall
Weber State University
Ogden, Utah 84322

An asbestos survey was conducted at the subject facility during December 2009.

The building was visually inspected to identify building materials that might contain asbestos. Bulk samples were collected from suspect materials and analyzed to determine if they contained asbestos. All asbestos-containing materials (ACM) were assessed for damage and the potential for exposure. This survey was requested and approved by Mr. Robert J. Anderson, Hazardous Materials Manager, State of Utah, Division of Facilities Construction and Management.

The following table lists all ACM that were identified in the building. Information specific to the building concerning inaccessible areas / materials and recommended response actions can be found in this report. There is important information in these sections that is not included in this executive summary. This report should be read in its entirety, including detailed information that is contained in other sections and appendices of this report.

Asbestos-Containing Materials by Homogeneous Area
Stansbury Hall
Weber State University

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Tan with Brown Streaks Rooms: 102, 103, 104, 105, 106, 107, 109, 111, 117, 118, 125, 126	10% Chrysotile (tile) None Detected (mastic)	2,502 SF	$9,563.70
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Cream with White and Brown Streaks Rooms: 114, 122	None Detected (tile) > 1% Chrysotile (mastic)	293 SF	$1,274.55

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
M07	**Cove Base and Mastic** 4" Brown Rubber with Limestone; Yellow Resin Mastic Rooms: 114, 117, 118, 122, 125, 201, 202, 203, 204, 204, 205, 208 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 226, 227, 243, 244, 301, 302, 303, 304, 304, 305, 308 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 326, 327, 343, 344, 401, 402, 403, 404, 404, 405, 408 409, 411, 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425, 426, 427, 435, 444	0.05% Chrysotile (cove base) None Detected (mastic)	~ 2,100 LF	N/A (see Note 3)
M16	**Tar Sealant – Radiators** Black Tar Sealant with Limestone Rooms: 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	8% Chrysotile	63 Units	$13,230.00
M17	**Cinderblock Filler** Off-white Binder with Mica and Limestone Rooms: 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435	Up to 29.1% Chrysotile	22,013 SF	$198,117.00
S03	**Plaster Surfacing – Popcorn & Filler** White Plaster with Vermiculite Rooms: 199, 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 299, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 399, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435, 499	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	9,017 SF	$54,102.00

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
T02	**Thermal System Insulation – Mudded Fitting** Gray Plaster with Mineral Wool Rooms: Tunnels, 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Up to 2% Chrysotile	443 Fittings	$21,264.00

Notes:

1. Homogeneous Area Number (Not related to building room numbers.)
2. Cost Estimates include asbestos removal costs only; abatement design and management fees and replacement costs are not included. Please refer to Section 7.0 for more details.
3. This material contains less than 1% asbestos and is therefore not subject to the NESHAP. Removal of this material is a Class II Operation under OSHA, which requires 40-hour trained supervisors, trained workers and specific work practices (wet methods, prompt clean-up of debris, HEPA vacuums, etc.

Asbestos Survey and Assessment
Stansbury Hall
Weber State University

2.0 INTRODUCTION

During December 2009, R & R Environmental, Inc., conducted an asbestos survey of the Stansbury Hall located at Weber State University, Ogden, Utah. The purpose of this survey was to identify the existence, extent, and condition of both friable and non-friable asbestos-containing materials (ACM) within the facility. Bulk samples were collected from suspect materials and analyzed for asbestos content. Each occurrence of ACM was assessed for damage and friability.

The following accredited and certified inspectors performed the inspection, collected the samples and made assessment:

February 22, 2010

Jon R. Craig
State of Utah, Division of Air Quality Inspector
Certification Number: ASB-2934

Date

This report was reviewed by:

February 22, 2010

David C. Roskelley, MSPH, CIH, CSP
State of Utah, Division of Air Quality Inspector
Certification Number: ASB-1370
AHERA Inspector #5 PSI 65451 I
Certified Safety Professional #15774
Certified Industrial Hygienist #8529

Date

3.0 BUILDING DESCRIPTION

Building Identification

Building Name .....Stansbury Hall
Building Address .....Weber State University, Ogden, Utah 84322

Building Construction

Building Construction Date ..... ~1965
Building Type .....Apartments
Building Total Sq. Ft..... ~26,400
Structural System .....Steel, reinforced concrete
Exterior Wall Construction ..... Brick, concrete
Floor Deck Construction..... Concrete
Roof Construction..... Flat, Built-up Tar
Floors Above Grade 4
Floors Below Grade 0

Interior Finishes

Floors .....Concrete, ceramic tile, vinyl floor tile, rolled vinyl, carpet
Walls ..... Plaster, cinderblock, concrete
Attic.....No
Crawl space .....Yes (Tunnels)

Building Mechanical

Heating Plant..... Boiler
Main Heating Distribution ..... Radiant
Cooling Plant ..... A/C Units
Main A / C Distribution ..... Forced Air

4.0 SURVEY PROCEDURES

4.1 Building Survey

All accessible areas of the facility were visually inspected to identify suspect asbestos containing materials (ACM.) All accessible surfaces, structures, and mechanical systems within these areas were examined and all suspected ACM was touched to determine friability.

Suspect ACM was identified and assessed in homogeneous areas. A homogeneous area is defined as a single material, uniform in texture and appearance, installed at one time, and unlikely to consist of more than one type, or formulation, of material. In cases where joint compound and / or tape has been applied to wallboard (gypsum board) and cannot be visually distinguished from the wallboard, it is considered an integral part of the wallboard and in effect becomes one material forming a wall or ceiling "system."

Each homogeneous area was given a unique material identification number. Each ID number begins with a letter: "S" for surfacing materials, "T" for thermal system insulation, or "M" for miscellaneous materials. This letter is followed by a two-digit number, assigned in consecutive order. This number is used to identify the homogeneous area throughout the inspection report.

4.2 Bulk Sample Collection

Bulk samples were collected from all accessible homogeneous areas of suspect ACM for subsequent laboratory analysis to determine actual asbestos content. Sampling was conducted in a manner that minimized damage to the building, did not leave any unsightly marks, and did not create a health hazard for the inspectors.

The number of samples collected from each homogeneous area generally followed the EPA AHERA regulations (40 CFR 763.86). Friable surfacing materials were sampled using the random sampling scheme given in the EPA publication 560 / 5-85-30a, titled "Asbestos in buildings: Simplified Sampling Scheme for Friable Surfacing Materials."" Between three and seven samples were collected from friable surfacing materials, depending on the size of the homogeneous area.

4.3 Bulk Sample Analysis

Bulk samples were analyzed using polarized light microscopy (PLM) and visual estimation in accordance with the EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA-600 / M4-82-020. Samples were analyzed by Dixon Information, Inc., 78 West 2400 South, Salt Lake City, Utah 84115. The laboratory is accredited under the National Institute of Standards and Technology – National voluntary Laboratory Accreditation Program (NIST-NVLAP) for bulk-asbestos sample analysis and is also accredited by the American Industrial Hygiene Association (AIHA).

Federal EPA's NESHAP and AHERA regulations define ACM as material containing greater than 1% asbestos by weight; materials containing less than 1% asbestos are not considered regulated ACM.

Further, the NESHAP regulations state that any sample found to contain less than 10% asbestos but greater than "none detected," by visual estimation, must be assumed to contain greater than 1% asbestos unless confirmed to be less than 1.0% asbestos by point counting analysis. Any samples found to contain asbestos in this concentration range were assumed to contain greater than 1.0% asbestos and are listed in Section 5.8 of this report. All samples that have been point counted are identified as such in the sample result tables.

The laboratories reports can be found in Appendix D of this report.

5.0 SURVEY RESULTS

5.1 Asbestos-Containing Materials

Homogeneous areas of suspect ACM are identified as being ACM if the laboratory analysis shows the material to contain any detectable asbestos, unless subsequent TEM analysis resulted in less than 0.1% asbestos being detected. Table 1 of the Executive Summary and in Appendix A lists all homogeneous areas that were found to be ACM. Each material is described by type of material, friability and visual appearance.

Friability is defined in accordance with EPA's NESHAP regulations.

> "Friable ACM" is any material containing more than 1% asbestos (as determined by PLM) that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure and also includes non-friable ACM that may become friable during building demolition.
>
> "Non-friable ACM" is any material containing more than 1% asbestos (as determined by PLM) that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
>
> "Category I non-friable ACM" are asbestos-containing resilient floor coverings (commonly known as vinyl asbestos tile (VAT), asphalt roofing products, packings, and gaskets.
>
> "Category II non-friable ACM" encompasses all other non-friable ACM.
>
> "Non-friable RACM" is used to denote thermal system insulation that is in good condition but would become friable during renovation or demolition and therefore is "regulated asbestos containing material" (RACM).

5.2 Non-Asbestos-Containing Materials

Homogeneous areas of suspect ACM are identified as non-ACM if the laboratory analysis shows the material to contain no detectable asbestos. Table 2, located in Appendix A of this report, lists all homogeneous areas that were found to be non-ACM.

5.3 Bulk Sample Analytical Results

Table 3, located in Appendix A of this report, lists all of the bulk samples in order by sample number, that were collected from homogeneous areas of suspect ACM, along with the laboratory analytical results. Each sample was given a unique sample number. There may be more than one sample number for the same homogeneous area of suspect ACM. The homogeneous areas of suspect ACM are identified on this table by their material identification numbers. The sample location listed on this table provides a brief, but specific, description of the location where the sample was collected. This is different

than the homogeneous area location provided on Tables 1 and 2. Table 4 is the same as Table 3 except the entries has been sorted by homogeneous area number.

5.4 Damage and Hazard Assessment

Each homogeneous area of ACM has been assessed for existing damage, accessibility, and potential for future damage, and this information is presented in Table 5, located in Appendix A of this report. This table also lists the substrate present beneath each homogeneous area of ACM.

Each homogeneous area of friable ACM and asbestos-containing building material (ACBM) was classified into one of the following seven categories, as specified in EPA's AHERA regulations (40 CFR 763.88):

(1) Damaged or significantly damaged thermal system insulation ACM.
(2) Damaged friable surfacing ACM.
(3) Significantly damaged friable surfacing ACM.
(4) Damaged or significantly damaged friable miscellaneous ACM.
(5) ACBM with potential for damage.
(6) ACBM with potential for damage.
(7) Any remaining friable ACBM or friable suspected ACBM.

The damage categories are defined as follows:

> "Undamaged" means the material had no visible damage, or extremely minor damage or surface marring (i.e., a room full of floor tile with only two or three small corners chipped off on the tile).
>
> "Damaged" means the material had visible damage evenly distributed over less than 10% of its surface, or localized over less than 25% of its surface.
>
> "Significantly Damaged" means the material had visible damage that is evenly distributed over 10% or more of its surface, or localized over 25% or more if its surface.

Each homogeneous area of ACM was evaluated for accessibility to the building occupants and the general public, assuming the building was fully occupied, using the following assessment categories.

> "Inaccessible" means the material was located in an area that people had no reason to enter and could not access without special measures. One example would be above a solid ceiling.
>
> "Rarely Accessed" identifies a material that was in a location that could be accessed but wasn't unless there was a specific need. An example would be a

pipe tunnel. Another example would be a high ceiling that is out of reach and not subject to any specific disturbance.

"Periodic Access" identifies a material that was in a location that was accessible, was not occupied full time, but was accessed on a routine basis. An example would be a mechanical room or boiler room.

"Continuous Access" identifies a material that was in a location that was occupied full time and was within reach of the occupants, or was frequently subject to direct disturbance. Examples would be exposed floor tile or a normal height ceiling.

5.5 Hazard Ranking

A hazard ranking has been determined for every ACM, in each functional space (room), and is listed in Table 7, Appendix A. The Hazard Rank is derived from the material's current condition and potential for future disturbance.

The DFCM required hazard assessment process used here produces seven hazard Ranks. The rankings of potential hazard range from 7, most hazardous, to 1, least hazardous, and are used to determine abatement priority. The highest ranking is reserved for ACM that is "significantly damaged". Hazard rankings 6 to 4 reflect ACM that is "damaged" (slight damage is the term used in Table 7), with a ranking of 6 indicating a "potential for significant damage", and a ranking of 5 indicating a "potential for damage." Hazard rankings of 3 to 1 are reserved for materials currently in good condition, but with a range of moderate to low in the likelihood for future disturbance.

Note that these seven rankings are different from, and should not be confused with, the seven AHERA categories of damage and potential damage described in Section 5.4, above, and listed in Table 5. This hazard assessment scheme is also completely reversed from the current EPA Management Planner hazard assessment scheme where a hazard rank of 1 is the most hazardous.

5.6 Homogeneous Areas with Special Considerations

None

5.7 Suspect Materials Presumed to be Asbestos-Containing Materials without Laboratory Analysis

None

5.8 Inaccessible Areas

Interstitial spaces between the ceiling tile or plaster finished ceilings and the deck on the first floor. These areas may contain ACM Thermal System Insulation.

5.9 Material(s) assumed to contain >1.0% asbestos without subsequent TEM or Point Count Analysis

None

6.0 RESPONSE ACTION COMMENTS

6.1 EPA Requirements

Asbestos is regulated as a hazardous air pollutant by the Environmental Protection Agency (EPA) under the authority of the Clean Air Act. The asbestos regulations are included in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) and referenced as 40 CFR 61, Subpart M. ACMs identified in this report are subject to those regulations. Those regulations, and state and local regulations, should be carefully examined prior to renovation, demolition, cleanup, or any other activity which could disturb the ACMs, to ensure that all activities are in compliance with applicable requirements.

ACM is defined by the EPA, as any material containing greater than one precedent of asbestos. ACMs are categorized as being either friable or non-friable. Friable ACMs are those materials that can be easily crumbled, pulverized, or otherwise broken up using hand or finger pressure when dry, and are materials considered more likely to produce airborne asbestos fibers. Non-friable ACMs are materials that do not meet the above test, and are considered less likely to produce airborne asbestos fibers. Not all ACMs are regulated under NESHAP. Regulated ACM (RACM) means (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of regulated demolition or renovation operations. Regulated demolition and renovation operations are those where the quantity of ACM affected is 260 linear feet or more on pipes, 160 square feet or more on other components, or 35 cubic feet or more in volume. There are certain notification requirements for demolition projects involving less than the above quantities.

Briefly, EPA requires that RACM be removed from facilities scheduled for demolition or renovation before any activity begins that would break up, dislodge, or similarly disturb the materials or preclude access to the materials for subsequent removal. Category I non-friable ACM that is not in poor condition and is not friable does not have to be removed prior to demolition of a facility. **However, these materials are exempt from mandatory removal only during demolition, not renovation. Removal is mandated when renovation activities are expected to disturb these ACMs and render them friable.** Category II non-friable ACM also does not have to be removed prior to demolition if the probability is low that the material will become crumbled, pulverized, or reduced to powder (made friable) during demolition. However, state regulations may require the removal of these materials. Additionally, Category I non-friable ACM that has not become crumbled, pulverized, or reduced to powder during demolition activities may be disposed of as ordinary construction waste.

In any situation where ACM remains in a building, it should be managed under a comprehensive operations and maintenance program (O&M). The procedures and

guidelines described in an O&M program should be followed whenever building maintenance activities may disturb any ACMs present in the building.

6.2 Renovation Options

The mastic is non-friable ACMs. NESHAP regulations require the removal of non-friable ACMs before they are **disturbed and made friable** during renovation activities. Therefore, we recommend that all of these materials be removed and properly disposed of by a licensed asbestos abatement contractor before renovation activities begin **which have the potential of disturbing and making these materials friable.** The removal project must follow the requirements of the OSHA regulation outlined in 29 CFR 1926.1101. While these materials remain in place, a comprehensive asbestos O&M program should be implemented when the building is occupied to reduce human exposure to airborne asbestos fibers.

7.0 COST ESTIMATES

A breakdown of the estimated removal costs by homogeneous area can be found in the Table 6, Appendix A. These cost estimates are provided for use in long-term budgeting and planning only, and do not have a level of accuracy sufficient to be used as a construction design cost estimate. The actual cost of asbestos removal is highly dependent on a number of factors such as the size of the project, the required time frame for removal, the time of year the job is conducted, the regulatory climate at the time, etc., therefore, actual abatement costs could vary significantly from these estimates. Replacement costs have not been included in these figures.

The cost for abatement design and management services is not included in these figures. These additional fees can range from 15% of the estimated abatement costs for large projects to greater than 50% for very small projects. The design and management fees cover the cost of preparing plans and specifications, conducting the bidding process as well as third-party oversight during abatement.

8.0 LIMITATIONS AND EXCLUSIONS OF WARRANTY

This asbestos survey and assessment was performed using procedures and a level of diligence typically exercised by professional consultants performing similar services. However, asbestos-containing material (ACM) can be present in a structure, but not identified using ordinary investigative procedures.

No asbestos survey can completely eliminate uncertainty regarding the presence of ACM. R & R Environmental, Inc. level of diligence and investigative procedures are intended to reduce, but not eliminate, potential uncertainty regarding the presence of ACM. The procedures used for this survey attempt to establish a balance between the competing goals of limiting investigative costs, time, and building damage, and reducing the uncertainty about unknown conditions. Therefore, the determinations in this report should not be construed as a guarantee that all ACM present in the subject property has been included in this report.

This report presents R & R Environmental, Inc.'s professional determinations, which are dependent upon information obtained during performance of consulting services. R &R Environmental, Inc. assumes no responsibility for omissions or errors resulting from inaccurate information provided by sources outside of R & R Environmental, Inc.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report. The limitations presented above supersede the requirements or provisions of all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herein.

Appendix A

Data Tables

Table 1

Asbestos-containing Materials by Homogeneous Area
Stansbury Hall
Weber State University

Homogeneous Area Number	Material Description / Location	Friability	Asbestos Content	Quantity
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Tan with Brown Streaks Rooms: 102, 103, 104, 105, 106, 107, 109, 111, 117, 118, 125, 126	Category 1 Non-Friable	10% Chrysotile (tile) None Detected (mastic)	2,502 SF
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Cream with White and Brown Streaks Rooms: 114, 122	Category 1 Non-Friable	None Detected (tile) > 1% Chrysotile (mastic)	293 SF
M07	**Cove Base and Mastic** 4” Brown Rubber with Limestone; Yellow Resin Mastic Rooms: 114, 117, 118, 122, 125, 201, 202, 203, 204, 204, 205, 208 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 226, 227, 243, 244, 301, 302, 303, 304, 304, 305, 308 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 326, 327, 343, 344, 401, 402, 403, 404, 404, 405, 408 409, 411, 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425, 426, 427, 435, 444	Category 1 Non-Friable	0.05% Chrysotile	~ 2,100 LF (see Note 1)
M14	**Tar Sealant – Radiators** Black Tar Sealant with Limestone Rooms: 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Category 1 Non-Friable	8% Chrysotile	63 Units

Homogeneous Area Number	Material Description / Location	Friability	Asbestos Content	Quantity
M16	**Cinderblock Filler** Off-white Binder with Mica and Limestone Rooms: 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435	Category 1 Non-Friable	< 1% Chrysotile	22,013 SF
S03	**Plaster Surfacing – Popcorn & Filler** White Plaster with Vermiculite; Binder, Plaster, Limestone Rooms: 199, 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 299, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 399, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435, 499	Friable ACM	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	9,017 SF
T02	**Thermal System Insulation – Mudded Fitting** Gray Plaster with Mineral Wool Rooms: Tunnels, 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Friable ACM	Up to 2% Chrysotile	443 Fittings

1. According to the Federal Register page 542, Wednesday, January 5, 1994, 40 CFR Part 61, "Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems", when joint compound is applied to wallboard, it becomes an integral part of it, forming a wall system. Composite analysis of the wall system is to be conducted. In this case, the wall system contains less than 1% asbestos and is therefore not subject to the NESHAP. Removal of this material is a Class II Operation under OSHA, which requires 40-hour trained supervisors, trained workers and specific work practices (wet methods, prompt clean-up of debris, HEPA vacuums, etc.

Table 2

Homogeneous Areas That Do Not Contain Asbestos
Stansbury Hall
Weber State University

Homogeneous Area Number	Material Description	Material Location
M03	**Rolled Vinyl Flooring – Exposed** Tan and Beige Speckle Pattern	205, 209, 217, 222, 228, 232, 238, 242, 305, 309, 317, 322, 328, 332, 338, 342, 405, 409, 417, 422, 428, 332, 338, 342
M04	**Rolled Vinyl Flooring – Under Glued Carpet** Tan over Canvas	201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 226, 227, 233, 234, 236, 237, 243, 244, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314, 315, 316, 318, 321, 323, 324, 325, 326, 327, 333, 334, 336, 337, 343, 344, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414, 415, 416, 418, 421, 423, 424, 425, 426, 427, 428, 433, 434, 436, 437, 443, 444
M05	**Rolled Vinyl Flooring – Exposed** Gray, Tan, White Pebble Pattern	108
M06	**Rolled Vinyl Flooring – Exposed** Blue, Beige, Tan Tile Mosaic	112
M08	**Cove Base and Mastic** 3” Light Gray Rubber with Limestone; Yellow Resin Mastic	103, 126
M09	**Cove Base and Mastic** 4” Black Rubber with Limestone; White Resin Mastic with Limestone	108
M10	**Cove Base and Mastic** 4” Tan Rubber with Limestone; White Resin Mastic with Limestone	105
M11	**Ceiling Tile and Mastic** 12” White Ceiling Tile Large Crevasses, Small Irregular Holes	101, 117, 118, 125
M12	**Sink Undercoat** Black Binder with Limestone	108

Homogeneous Area Number	Material Description	Material Location
M13	**Vibration Damper** Cotton Fabric with Gray Binder	124
M15	**Plaster** White Gypsum Plaster, Off-white Plaster with Sand and Perlite	103, 112, 113, 114, 115 116, 119, 121, 122, 123, 126
S01	**Plaster Surfacing – Peaked** White Gypsum Plaster with fine Mica	205, 209, 217, 222, 305, 309, 317, 322, 405, 409, 417, 422
S02	**Plaster Surfacing – Troweled** White Gypsum Plaster with fine Mica	102, 104, 105, 106, 107, 108, 109 111
T01	**Thermal System Insulation – Boiler Flue** Off White Plaster with Mineral Wool	124

Table 3

Bulk Sample Analytical Results by Sample Number
Stansbury Hall
Weber State University

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUSH-01	M01	Vinyl Floor Tile & Mastic	118	10% Chrysotile (tile) None Detected (mastic)
WSUSH-02	M02	Vinyl Floor Tile & Mastic	122	None Detected (tile) > 1% Chrysotile (mastic)
WSUSH-03	M03	Rolled Vinyl Flooring & Mastic	322	None Detected
WSUSH-04	M03	Rolled Vinyl Flooring & Mastic	405	None Detected
WSUSH-05	M04	Rolled Vinyl Flooring & Mastic	321	None Detected
WSUSH-06	M04	Rolled Vinyl Flooring & Mastic	406	None Detected
WSUSH-07	M05	Rolled Vinyl Flooring & Mastic	108	None Detected
WSUSH-08	M06	Rolled Vinyl Flooring & Mastic	112	None Detected
WSUSH-09	M07	Cove Base & Mastic	443	None Detected (tile) None Detected (mastic) > 1% Chrysotile (binder)
WSUSH-10	M07	Cove Base & Mastic	112	None Detected
WSUSH-11	M08	Cove Base & Mastic	405	None Detected
WSUSH-12	M09	Cove Base & Mastic	126	None Detected
WSUSH-13	M10	Cove Base & Mastic	105	None Detected
WSUSH-14	M11	Ceiling Tile & Mastic	101	None Detected
WSUSH-15	M12	Sink Undercoat	108	None Detected
WSUSH-16	M13	Vibration Damper	124	None Detected
WSUSH-17	M15	Plaster	112	None Detected
WSUSH-18	M15	Plaster	121	None Detected
WSUSH-19	S01	Plaster Surfacing - Trowel	107	None Detected
WSUSH-20	S01	Plaster Surfacing - Trowel	109	None Detected
WSUSH-21	S01	Plaster Surfacing - Trowel	102	None Detected
WSUSH-22	S02	Plaster Surfacing - Peaked	209	None Detected
WSUSH-23	S02	Plaster Surfacing - Peaked	322	None Detected
WSUSH-24	S02	Plaster Surfacing - Peaked	405	None Detected
WSUSH-25	S03	Plaster Surfacing - Popcorn	199	3% Chrysotile
WSUSH-26	S03	Plaster Surfacing - Popcorn	211	3% Chrysotile
WSUSH-27	S03	Plaster Surfacing - Popcorn	235	3% Chrysotile
WSUSH-28	S03	Plaster Surfacing - Popcorn	335	3% Chrysotile
WSUSH-29	S03	Plaster Surfacing - Popcorn	403	3% Chrysotile
WSUSH-30	T01	Thermals System Insulation – Boiler Flue	122	None Detected
WSUSH-31	T02	Thermal System Insulation – Mudded Fittings	217	2% Chrysotile
WSUSH-32	T02	Thermal System Insulation – Mudded Fittings	222	1.2% Chrysotile
WSUSH-33	T02	Thermal System Insulation – Mudded Fittings	309	1.5% Chrysotile
WSUSH-34	T02	Thermal System Insulation – Mudded Fittings	405	1.5% Chrysotile
WSUSH-35	M14	Tar Sealant - Radiator	405	8% Chrysotile
WSUSH-36	M16	Cinderblock Filler	443	1.2% Chrysotile (PLM) 0.6% Chrysotile (Point Ct.)
WSUSH-37	M16	Cinderblock Filler	406	1.2% Chrysotile

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUSH-37T	M16	Cove Base, Mastic, Cinderblock Filler	406	0.05% Chrysotile (covebase); None Detected (mastic); Up to 29.1% Chrysotile (filler)
WSUSH-38	M16	Cinderblock Filler	318	1.2% Chrysotile
WSUSH-39	M16	Cinderblock Filler	124	1.2% Chrysotile
WSUSH-41	M16	Cinderblock Filler	122	1.2% Chrysotile
WSUSH-42	M16	Cinderblock Filler	123	1.2% Chrysotile
WSUSH-43	M16	Cinderblock Filler	102	1.2% Chrysotile
WSUSH-44	M16	Cinderblock Filler	114	1.2% Chrysotile
WSUSH-45	M16	Cinderblock Filler	201	1.2% Chrysotile
WSUSH-46	M16	Cinderblock Filler	235	1.2% Chrysotile
WSUSH-47	M16	Cinderblock Filler	306	1.2% Chrysotile
WSUSH-48	M16	Cinderblock Filler	318	1.2% Chrysotile
WSUSH-49	M16	Cinderblock Filler	411	1.2% Chrysotile
WSUSH-50	M16	Cinderblock Filler	406	1.2% Chrysotile
WSUSH-51	M16	Concrete Filler	403	1.2% Chrysotile

Table 4

Bulk Sample Analytical Results by Homogeneous Area Number
Stansbury Hall
Weber State University

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUSH-01	M01	Vinyl Floor Tile & Mastic	118	10% Chrysotile (tile) None Detected (mastic)
WSUSH-02	M02	Vinyl Floor Tile & Mastic	122	None Detected (tile) > 1% Chrysotile (mastic)
WSUSH-03	M03	Rolled Vinyl Flooring & Mastic	322	None Detected
WSUSH-04	M03	Rolled Vinyl Flooring & Mastic	405	None Detected
WSUSH-05	M04	Rolled Vinyl Flooring & Mastic	321	None Detected
WSUSH-06	M04	Rolled Vinyl Flooring & Mastic	406	None Detected
WSUSH-07	M05	Rolled Vinyl Flooring & Mastic	108	None Detected
WSUSH-08	M06	Rolled Vinyl Flooring & Mastic	112	None Detected
WSUSH-09	M07	Cove Base & Mastic	443	None Detected (tile) None Detected (mastic) > 1% Chrysotile (binder)
WSUSH-10	M07	Cove Base & Mastic	112	None Detected
WSUSH-11	M08	Cove Base & Mastic	405	None Detected
WSUSH-12	M09	Cove Base & Mastic	126	None Detected
WSUSH-13	M10	Cove Base & Mastic	105	None Detected
WSUSH-14	M11	Ceiling Tile & Mastic	101	None Detected
WSUSH-15	M12	Sink Undercoat	108	None Detected
WSUSH-16	M13	Vibration Damper	124	None Detected
WSUSH-35	M14	Tar Sealant - Radiator	405	8% Chrysotile
WSUSH-17	M15	Plaster	112	None Detected
WSUSH-18	M15	Plaster	121	None Detected
WSUSH-36	M16	Cinderblock Filler	443	1.2% Chrysotile (PLM) 0.6% Chrysotile (Point Ct.)
WSUSH-37	M16	Cinderblock Filler	406	1.2% Chrysotile
WSUSH-37T	M16	Cove Base, Mastic, Cinderblock Filler	406	0.05% Chrysotile (covebase); None Detected (mastic); Up to 29.1% Chrysotile (filler)
WSUSH-38	M16	Cinderblock Filler	318	1.2% Chrysotile
WSUSH-39	M16	Cinderblock Filler	124	1.2% Chrysotile
WSUSH-41	M16	Cinderblock Filler	122	1.2% Chrysotile
WSUSH-42	M16	Cinderblock Filler	123	1.2% Chrysotile
WSUSH-43	M16	Cinderblock Filler	102	1.2% Chrysotile
WSUSH-44	M16	Cinderblock Filler	114	1.2% Chrysotile
WSUSH-45	M16	Cinderblock Filler	201	1.2% Chrysotile
WSUSH-46	M16	Cinderblock Filler	235	1.2% Chrysotile
WSUSH-47	M16	Cinderblock Filler	306	1.2% Chrysotile
WSUSH-48	M16	Cinderblock Filler	318	1.2% Chrysotile
WSUSH-49	M16	Cinderblock Filler	411	1.2% Chrysotile
WSUSH-50	M16	Cinderblock Filler	406	1.2% Chrysotile
WSUSH-51	M16	Concrete Filler	403	1.2% Chrysotile
WSUSH-19	S01	Plaster Surfacing - Trowel	107	None Detected
WSUSH-20	S01	Plaster Surfacing - Trowel	109	None Detected

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUSH-21	S01	Plaster Surfacing - Trowel	102	None Detected
WSUSH-22	S02	Plaster Surfacing - Peaked	209	None Detected
WSUSH-23	S02	Plaster Surfacing - Peaked	322	None Detected
WSUSH-24	S02	Plaster Surfacing - Peaked	405	None Detected
WSUSH-25	S03	Plaster Surfacing - Popcorn	199	3% Chrysotile
WSUSH-26	S03	Plaster Surfacing - Popcorn	211	3% Chrysotile
WSUSH-27	S03	Plaster Surfacing - Popcorn	235	3% Chrysotile
WSUSH-28	S03	Plaster Surfacing - Popcorn	335	3% Chrysotile
WSUSH-29	S03	Plaster Surfacing - Popcorn	403	3% Chrysotile
WSUSH-30	T01	Thermals System Insulation – Boiler Flue	122	None Detected
WSUSH-31	T02	Thermal System Insulation – Mudded Fittings	217	2% Chrysotile
WSUSH-32	T02	Thermal System Insulation – Mudded Fittings	222	1.2% Chrysotile
WSUSH-33	T02	Thermal System Insulation – Mudded Fittings	309	1.5% Chrysotile
WSUSH-34	T02	Thermal System Insulation – Mudded Fittings	405	1.5% Chrysotile

Table 5

Damage and Hazard Assessment by Homogeneous Area
Stansbury Hall
Weber State University

Area Number	Material Type	Substrate	Assessment Category	Damage	Accessibility	Disturbance Potential
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	Concrete	X	Undamaged	Rarely Accessed	Low
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	Concrete	X	Undamaged	Continuous Access	Low
M14	**Tar Sealant – Radiators**	Concrete	X	Undamaged	Rarely Accessed	Low
M16	**Cinderblock Filler**	Cinderblock	X	Undamaged	Continuous Access	Moderate
S03	**Plaster Surfacing – Popcorn**	Concrete	5	Undamaged	Continuous Access	Moderate
T02	**Thermal System Insulation – Mudded Fitting**	Metal	5	Damaged	Rarely Accessed	Low

Note: Assessment Categories:
1-Damaged or significantly damaged thermal system insulation ACM
2-Damaged friable surfacing ACM
3-Significantly damaged friable surfacing ACM
4-Damaged or significantly damaged friable miscellaneous ACM
5-ACM with potential for damage
6-ACM with potential for significant damage
7-Any remaining friable ACM or friable suspect ACM
X-Not applicable (material is non-friable surfacing or miscellaneous material)

Table 6

Estimated Abatement Costs by Homogeneous Area
Stansbury Hall
Weber State University

Homogeneous Area Number	Material	Quantity	Average Unit Cost	Abatement Cost
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	2,502 SF	$3.82	$9,563.70
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	293 SF	$4.35	$1,274.55
M07	**Cove Base and Mastic**	~ 2,100 LF	N/A	N/A (see Note 2)
M14	**Tar Sealant – Radiators**	63 Units	$210.00	$13,230.00
M16	**Cinderblock Filler**	22,013 SF	$9.00	$198,117.00
S03	**Plaster Surfacing – Popcorn & Filler**	9,017 SF	$6.00	$54,102.00
T02	**Thermal System Insulation – Mudded Fitting**	443 Fittings	$48.00	$21,264.00
TOTAL ESTIMATED ABATEMENT COST				**$297,551.25**

Notes:
1. Estimated abatement costs do not include replacement costs or costs for a consultant to manage the abatement (see section 7.0).
2. According to the Federal Register page 542, Wednesday, January 5, 1994, 40 CFR Part 61, "Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems", when joint compound is applied to wallboard, it becomes an integral part of it, forming a wall system. Composite analysis of the wall system is to be conducted. In this case, the wall system contains less than 1% asbestos and is therefore not subject to the NESHAP. Removal of this material is a Class II Operation under OSHA, which requires 40-hour trained supervisors, trained workers and specific work practices (wet methods, prompt clean-up of debris, HEPA vacuums, etc.

Table 7

Abatement Cost and Hazard Rank by Functional Space
Stansbury Hall
Weber State University

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
102	M01	Vinyl Floor Tile (under glued carpet)	129 SF	496.65	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
103	M01	Vinyl Floor Tile (under glued carpet)	34 SF	130.90	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
104	M01	Vinyl Floor Tile (under glued carpet)	134 SF	515.90	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
105	M01	Vinyl Floor Tile (under glued carpet)	6 SF	23.10	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
106	M01	Vinyl Floor Tile (under glued carpet)	6 SF	23.10	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
107	M01	Vinyl Floor Tile (under glued carpet)	143 SF	550.55	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
109	M01	Vinyl Floor Tile (under glued carpet)	137 SF	527.45	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
111	M01	Vinyl Floor Tile (under glued carpet)	55 SF	211.75	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
112	M02	Vinyl Floor Tile & Mastic	143 SF	622.05	None Detected (tile); > 1% Chrysotile (mastic)	Undamaged	Low	1
113	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
113	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
114	M02	Vinyl Floor Tile & Mastic	150 SF	652.50	None Detected (tile); > 1% Chrysotile (mastic)	Undamaged	Low	1
114	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
114	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
117	M01	Vinyl Floor Tile (under glued carpet)	782 SF	3,010.70	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
118	M01	Vinyl Floor Tile (under glued carpet)	882 SF	3,395.70	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
122	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
122	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
123	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
123	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
125	M01	Vinyl Floor Tile (under glued carpet)	125 SF	481.25	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
126	M01	Vinyl Floor Tile	69 SF	196.65	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
199	S03	Plaster Surfacing - Popcorn & Filler	99 SF	594.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
201	S03	Plaster Surfacing - Popcorn & Filler	109 SF	654.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
202	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
202	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
202	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
203	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
203	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
203	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
204	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
204	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
204	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
205	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
205	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
206	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
206	S03	Plaster Surfacing - Popcorn & Filler	171 SF	1,026.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
206	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
208	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
208	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
208	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
209	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
209	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
211	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
211	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
211	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
212	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
212	S03	Plaster Surfacing - Popcorn & Filler	171 SF	1,026.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
212	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
213	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
213	S03	Plaster Surfacing - Popcorn & Filler	169 SF	1,014.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
213	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
214	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
215	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
215	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
215	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
216	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
216	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
216	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
217	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
217	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
218	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
218	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
218	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
221	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
221	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
221	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
222	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
222	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
223	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
223	S03	Plaster Surfacing - Popcorn & Filler	161 SF	966.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
223	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
224	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
224	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
224	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
225	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
225	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
225	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
235	S03	Plaster Surfacing - Popcorn & Filler	102 SF	612.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Damaged	Moderate	3
299	S03	Plaster Surfacing - Popcorn & Filler	99 SF	594.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
301	S03	Plaster Surfacing - Popcorn & Filler	112 SF	672.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
302	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
302	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
302	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
303	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
303	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
303	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
304	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
304	S03	Plaster Surfacing - Popcorn & Filler	165 SF	990.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
304	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
305	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
305	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
306	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
306	S03	Plaster Surfacing - Popcorn & Filler	171 SF	1,026.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
306	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
308	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
308	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
308	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
309	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
309	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
311	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
311	S03	Plaster Surfacing - Popcorn & Filler	165 SF	990.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
311	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
312	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
312	S03	Plaster Surfacing - Popcorn & Filler	170 SF	1,020.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
312	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
313	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
313	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
313	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
314	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
314	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
314	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
315	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
315	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
315	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
316	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
316	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
316	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
317	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
317	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
318	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
318	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
318	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
321	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
321	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
321	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
322	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
322	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
323	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
323	S03	Plaster Surfacing - Popcorn & Filler	162 SF	972.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
323	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
324	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
324	S03	Plaster Surfacing - Popcorn & Filler	165 SF	990.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
324	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
325	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
325	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
325	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
335	S03	Plaster Surfacing - Popcorn & Filler	101 SF	606.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Damaged	Moderate	3
399	S03	Plaster Surfacing - Popcorn & Filler	103 SF	618.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
401	S03	Plaster Surfacing - Popcorn & Filler	111 SF	666.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
402	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
402	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
402	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
403	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
403	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
403	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
404	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
404	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
404	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
405	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
405	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
406	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
406	S03	Plaster Surfacing - Popcorn & Filler	171 SF	1,026.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
406	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
408	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
408	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
408	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
409	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
409	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
411	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
411	S03	Plaster Surfacing - Popcorn & Filler	162 SF	972.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3

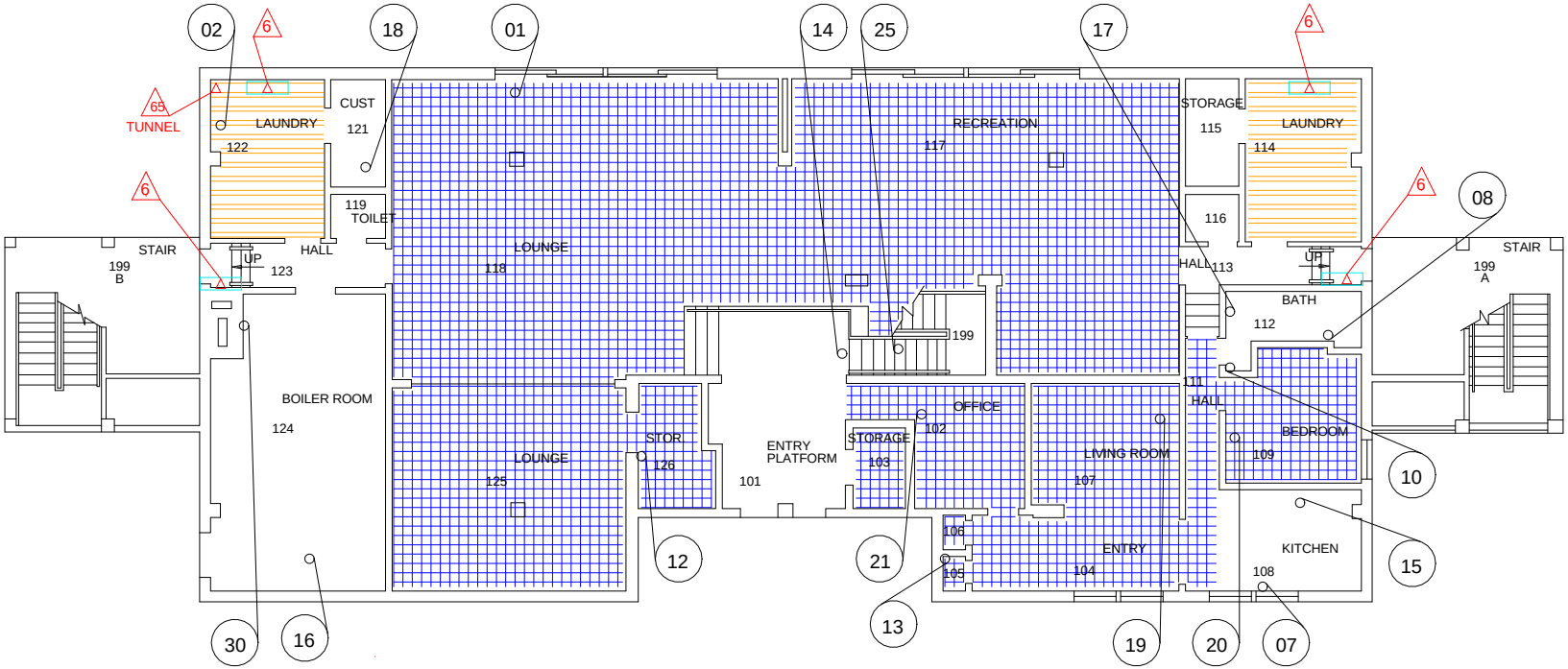
Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
411	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
412	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
412	S03	Plaster Surfacing - Popcorn & Filler	170 SF	1,020.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
412	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
413	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
413	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
413	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
414	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
414	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
414	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
415	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
415	S03	Plaster Surfacing - Popcorn & Filler	162 SF	972.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
415	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
416	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
416	S03	Plaster Surfacing - Popcorn & Filler	163 SF	978.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
416	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
417	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
417	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
418	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
418	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
418	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
421	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
421	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
421	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
422	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
422	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
423	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
423	S03	Plaster Surfacing - Popcorn & Filler	160 SF	960.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
423	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
424	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
424	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
424	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
425	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
425	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
425	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
435	S03	Plaster Surfacing - Popcorn & Filler	101 SF	606.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Damaged	Moderate	3
499	S03	Plaster Surfacing - Popcorn & Filler	96 SF	576.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
Tunnels	T02	Thermal System Insulation - Mudded Fitting	65 MF	3,120.00	Up to 2% Chrysotile	Damaged	Low	2
Cinderblock Walls Throughout	M16	Cinderblock Filler	22,013 SF	198,117.00	Up to 29.1% Chrysotile	Undamaged	Moderate	3

Note: SF = Square Feet
LF = Linear Feet
MF = Mudded Fittings
U = Units

Appendix B

Building Floor Plans



= VINYL FLOOR TILE

= MASTIC (UNDER VINYL FLOOR TILE)

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
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STANSBURY HALL

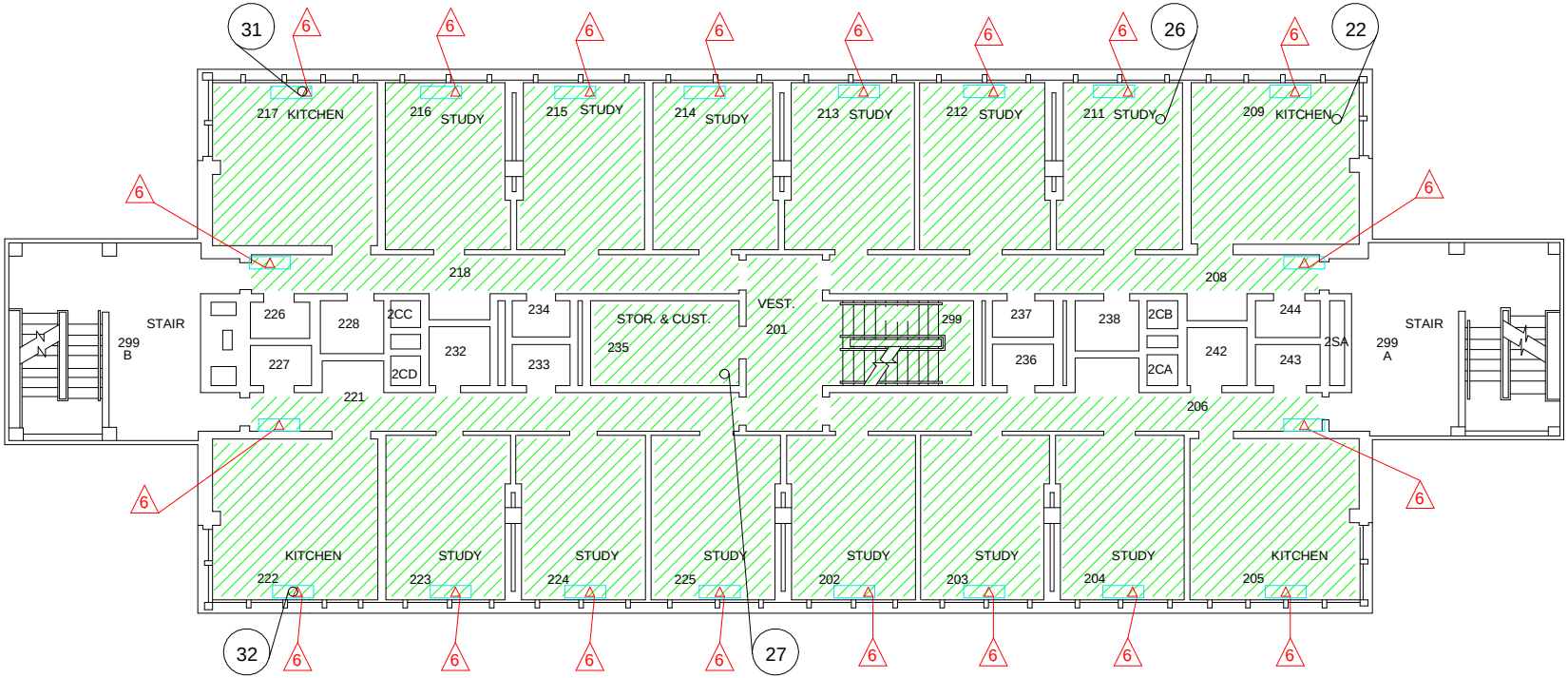
FIRST FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite 03 Sandy, Utah 84070
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STANSBURY HALL

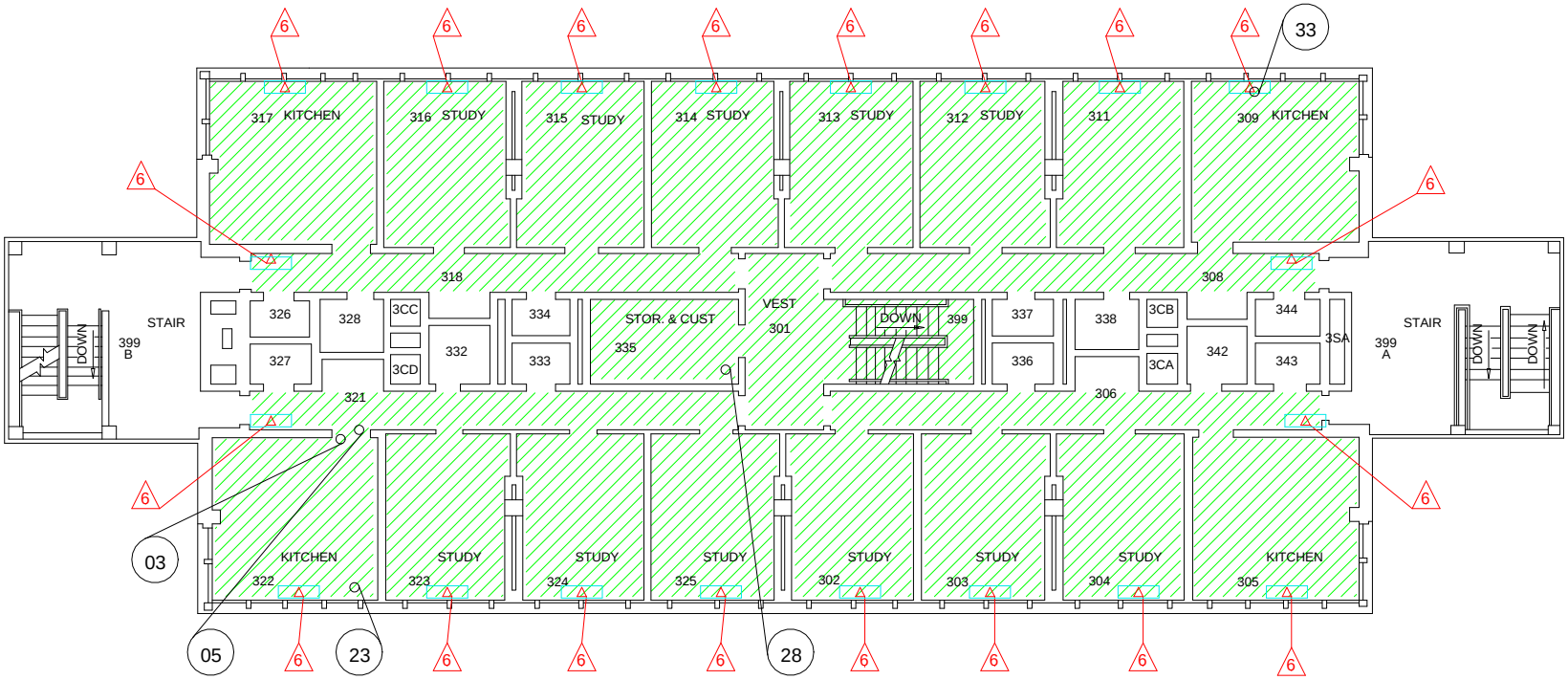
SECOND FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite 63 Sandy, Utah 84070
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STANSBURY HALL

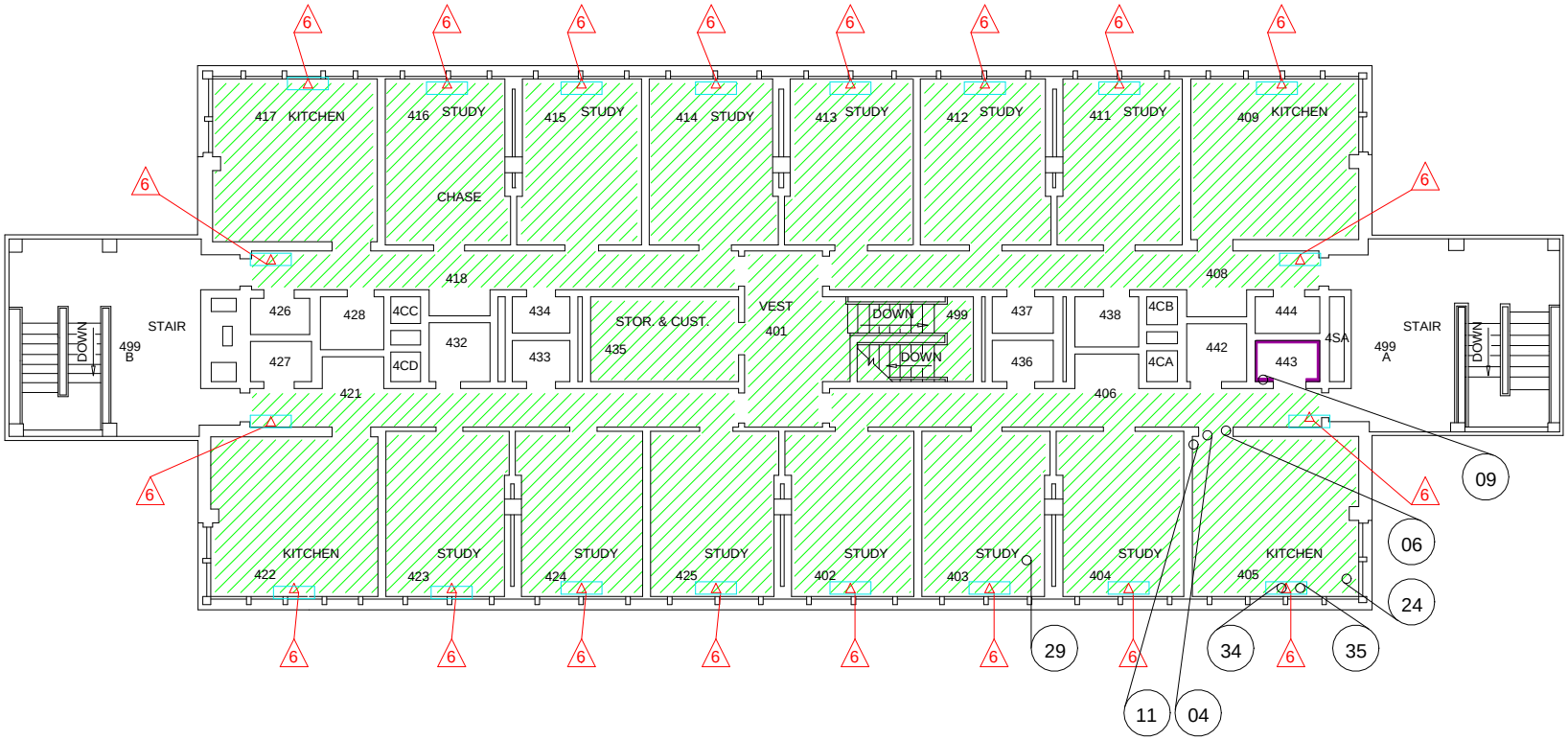
THIRD FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= COVE BASE BINDER

= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

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STANSBURY HALL

FOURTH FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300

Appendix C

Photograph Log

Photograph Log
Stansbury Hall
Weber State University

1. Exterior West elevation.

2. Vinyl Floor Tile contains asbestos. Homogeneous Area M01

3. Mastic contains asbestos. Homogeneous Area M02

4. Cove Base contains asbestos. Homogeneous Area M07

5. Tar Sealant - Radiator contains asbestos. Homogeneous Area M14

6. Cinderblock Filler contains asbestos. Homogeneous Area M16

7. Plaster Surfacing - Popcorn & Filler contains asbestos. Homogeneous Area S03

8. Thermal System Insulation – Mudded Fittings contains asbestos. Homogeneous Area T02

PHOTO 1

PHOTO 2

PHOTO 3

PHOTO 4

R & R Environmental, Inc.
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(801) 352-2380 • Fax: (801) 352-2381

PROJECT NO:		
DESIGNED BY:	SCALE:	REVIEWED BY:
DRAWN BY:	DATE:	FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

STANSBURY HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

PHOTO 5

PHOTO 6

PHOTO 7

PHOTO 8

R & R Environmental, Inc.
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PROJECT NO:

DESIGNED BY: SCALE: REVIEWED BY:

DRAWN BY: DATE: FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

STANSBURY HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

Appendix D

Laboratory Analytical Reports

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

December 21, 2009

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 87436, Lab # RR25271 - RR25305
Received December 10, 2009
Test report
DFCM-WSU-Stansbury Hall
Sampled by Jon Craig

Dear Mr. Roskelley:

Samples RR25271 through RR25305 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR25271, Field WSUSH-01 9" VFT #1, 118
This sample contains three types of material: The first type is yellow resin mastic; the second type is **10% chrysotile asbestos** in tan plastic and limestone tile; the third type is black tar mastic. This sample is non-homogeneous.

The first type is 1% of the sample. The second type is 97% of the sample. The third type is 2% of the sample.

Lab RR25272, Field WSUSH-02 12" VFT #1, 122
This is a tan plastic and limestone tile. **Asbestos is none detected.**

Note: The black tar mastic contains **greater than 1% chrysotile asbestos.**

The tile is 99% of the sample. The black tar mastic is 1% of the sample.

78 WEST 2400 SOUTH • SOUTH SALT LAKE, UTAH 84115-3013
PHONE 801-486-0800 • FAX 801-486-0849 • RES. 801-571-7695

Lab RR25273, Field WSUSH-03 RVF #1, 322
This sample has a top layer of white and tan plastic and limestone and a bottom layer of 20% plant fiber, 5% synthetic fiber, 5% fiberglass, and 8% wollastonite in gray binder with yellow resin mastic. **Asbestos is none detected.**

The top layer is 65% of the sample. The bottom layer is 35% of the sample.

Lab RR25274, Field WSUSH-04 RVF #1, 405
This sample has a top layer of tan and white plastic and limestone and a bottom layer of 20% plant fiber, 5% synthetic fiber, 5% fiberglass, and 8% wollastonite in gray binder with yellow resin mastic. **Asbestos is none detected.**

The top layer is 65% of the sample. The bottom layer is 35% of the sample.

Lab RR25275, Field WSUSH-05 RVF #2, 321
This sample contains four types of material: The first type is 5% plant fiber in tan plastic and limestone; the second type is cross-woven plant fiber; the third type is 60% organic fiber in black tar felt; the fourth type is yellow and tan resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 55% of the sample. The second type is 10% of the sample. The third type is 30% of the sample. The fourth type is 5% of the sample.

Lab RR25276, Field WSUSH-06 RVF #2, 406
This sample contains four types of material: The first type is 5% plant fiber in tan plastic and limestone; the second type is cross-woven plant fiber; the third type is 60% organic fiber in black tar felt; the fourth type is tan and yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 55% of the sample. The second type is 10% of the sample. The third type is 30% of the sample. The fourth type is 5% of the sample.

Lab RR25277, Field WSUSH-07 RVF #3, 108
This sample has a top layer of tan plastic and limestone and a bottom layer of 20% plant fiber, 5% synthetic fiber, 5% fiberglass, and 8% wollastonite in gray binder. **Asbestos is none detected.**

The top layer is 65% of the sample. The bottom layer is 35% of the sample.

Lab RR25278, Field WSUSH-08 RVF #4, 112
This sample has a top layer of gray, blue and off-white plastic, a middle layer of white foam plastic, and a bottom layer of 20% plant fiber, 5% synthetic fiber, and 1% fiberglass in gray binder. **Asbestos is none detected.**

The top layer is 25% of the sample. The middle layer is 25% of the sample. The bottom layer is 50% of the sample.

Lab RR25279, Field WSUSH-09 Cove Base #1, 443
This sample contains four types of material: The first type is brown rubber and limestone cove base; the second type is yellow resin mastic; the third type is white paint; the fourth type is **greater than 1% chrysotile asbestos** in green binder with mica. This sample is non-homogeneous.

The first type is greater than 3% of the sample. The second type is greater than 95% of the sample. The third type is less than 1% of the sample. The fourth type is less than 1% of the sample.

The analysis sensitivity is limited in the third and fourth material type due to small sample.

Lab RR25280, Field WSUSH-10 Cove Base #1, 112
This sample contains two types of material: The first type is brown rubber and limestone cove base; the second type is yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 99% of the sample. The second type is 1% of the sample.

Lab RR25281, Field WSUSH-11 Cove Base #2, 405
This sample contains two types of material: The first type is black rubber and limestone cove base; the second type is white resin mastic with limestone. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 99% of the sample. The second type is 1% of the sample.

Lab RR25282, Field WSUSH-12 Cove Base #2, 126
This sample contains two types of material: The first type is brown rubber and limestone cove base; the second type is yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 99% of the sample. The second type is 1% of the sample.

Lab RR25283, Field WSUSH-13 Cove Base #4, 105
This sample contains two types of material: The first type is tan rubber and limestone cove base; the second type is white resin mastic with limestone. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 97% of the sample. The second type is 3% of the sample.

Lab RR25284, Field WSUSH-14 12" CT #1, 101
This sample contains two types of material: The first type is 60% mineral wool and 5% plant fiber in white resin binder; the second type is brown resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 95% of the sample. The second type is 5% of the sample.

Lab RR25285, Field WSUSH-15 Sink Undercoat, 108
This is black binder with limestone. **Asbestos is none detected.**

Lab RR25286, Field WSUSH-16 Vibration Damper, 124
This is 90% cotton fabric with gray binder and particulate. **Asbestos is none detected.**

Lab RR25287, Field WSUSH-17 Plaster, 112
This sample contains two types of material: The first type is white gypsum plaster; the second type is white plaster with sand and perlite and a trace of organic fiber. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 90% of the sample. The second type is 10% of the sample.

The analysis sensitivity is limited in the second material type due to small sample.

Lab RR25288, Field WSUSH-18 Plaster, 121
This sample contains three types of material: The first type is off-white paint; the second type is white gypsum plaster; the third type is sand and perlite in off-white plaster. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 50% of the sample. The third type is 45% of the sample.

Note: Small sample size.

Lab RR25289, Field WSUSH-19 Plaster Surfacing-TR, 107
This sample contains two types of material: The first type is white and off-white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 50% of the sample. The second type is 50% of the sample.

Lab RR25290, Field WSUSH-20 Plaster Surfacing-TR, 109
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 50% of the sample. The second type is 50% of the sample.

Lab RR25291, Field WSUSH-21 Plaster Surfacing-TR, 102
This sample contains two types of material: The first type is white and off-white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 60% of the sample. The second type is 40% of the sample.

Lab RR25292, Field WSUSH-22 Plaster Surfacing-PK, 209
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 95% of the sample.

Lab RR25293, Field WSUSH-23 Plaster Surfacing-PK, 322
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25294, Field WSUSH-24 Plaster Surfacing-PK, 405
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25295, Field WSUSH-25 Plaster Surfacing-Popcorn, 199
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25296, Field WSUSH-26 Plaster Surfacing-Popcorn, 211
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25297, Field WSUSH-27 Plaster Surfacing-Popcorn, 235
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25298, Field WSUSH-28 Plaster Surfacing-Popcorn, 335
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25299, Field WSUSH-29 Plaster Surfacing-Popcorn, 403
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25300, Field WSUSH-30 TSI-Boiler Flue, 122
This is 20% mineral wool in off-white plaster. This sample is non-homogeneous. **Asbestos is none detected.**

Lab RR25301, Field WSUSH-31 TSI-Mudded Sitting, 217
This is **2% chrysotile asbestos** and 20% mineral wool in gray plaster. This sample is non-homogeneous.

Lab RR25302, Field WSUSH-32 TSI-Mudded Fitting, 222
This is **1.2% chrysotile asbestos** and 20% mineral wool in off-white plaster. This sample is non-homogeneous.

Lab RR25303, Field WSUSH-33 TSI-Mudded Fitting, 309
This is **1.5% chrysotile asbestos** and 20% mineral wool in off-white plaster. This sample is non-homogeneous.

Lab RR25304, Field WSUSH-34 TSI-Mudded Fitting, 405
This is **1.5% chrysotile asbestos** and 20% mineral wool in off-white plaster. This sample is non-homogeneous.

Lab RR25305, Field WSUSH-35 Radiator Tar Sealant, 405
This is **8% chrysotile asbestos** in black tar sealant with limestone.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Steve H. Dixon _____ Date Analyzed: December 19, 2009

R & R
ENVIRONMENTAL, INC.
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47 West 9000 South, Suite #2 Sandy, Utah 84070
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87436

Bulk Analytical Request Form

Page 1 of 3

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM - WSU - Stansbury Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: RHR | DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: RHR | DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUSH-01	9" VFT #1, 118		25271
-02	12" VFT #1, 122		25272
-03	RVF #1, 322		25273
-04	RVF #1, 405		25274
-05	RVF #2, 321		25275
-06	RVF #2, 406		25276
-07	RVF #3, 100		25277
-08	RVF #4, 112		25278
-09	Cove Base #1, 443		25279
-10	Cove Base #1, 112		25280
-11	Cove Base #2, 405		25281
-12	Cove Base #2, 126		25282
-13	Cove Base #4, 105		25283
-14	12" CT #1, 101		25284
-15	Sink Undercoat, 108		25285
-16	Vibration Damper, 124		25286

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/10/09 Time 12:30
Received by Lab [signature] Date 12/10/09 Time 1500
Received by Analyst [signature] Date 12.18.09 Time 2000
Returned by Lab Date Time

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380: Office (801) 352-2381: Fax

Bulk Analytical Request Form

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM-WSU-Stansbury Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUSH-17	Plaster, 112		25287
-18	Plaster, 121		25288
-19	Plaster Surfacing-TR, 107		25289
-20	Plaster Surfacing-TR, 109		25290
-21	Plaster Surfacing-TR, 102		25291
-22	Plaster Surfacing-PK, 209		25292
-23	Plaster Surfacing-PK, 322		25293
-24	Plaster Surfacing-PK, 405		25294
-25	Plaster Surfacing-Popcorn, 199		25295
-26	Plaster Surfacing-Popcorn, 211		25296
-27	Plaster Surfacing-Popcorn, 235		25297
-28	Plaster Surfacing-Popcorn, 335		25298
-29	Plaster Surfacing-Popcorn, 403		25299
-30	TSI-Boiler Flue, 122		25300
-31	TSI-Mudded Fitting, 217		25301
-32	TSI-Mudded Fitting, 222		25302

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/10/09 Time 12:30
Received by Lab [signature] Date 12/10/09 Time 15:00
Received by Analyst [signature] Date 12-18-09 Time 2000
Returned by Lab Date Time

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380: Office (801) 352-2381: Fax

Bulk Analytical Request Form

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** ~~Non-Rush~~

Location sample was taken DFCM-WSU-Stansbury Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUSH-33	TSI-Mudded Fitting, 309		25303
-34	TSI-Mudded Fitting, 405		25304
-35	Radiator Tar Sealant, 405		25305

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/8-10/09 Time 12:30
Received by Lab [signature] Date 12/10/09 Time 1500
Received by Analyst [signature] Date 12/18/09 Time 2000
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 13, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88051, Lab # RR26692 - RR26695
Received January 13, 2010
Test report
DFCM-WSU Stansbury Hall
Sampled by Jon Craig, 1/13/10

Dear Mr. Roskelley:

Samples RR26692 through RR26695 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test method. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR26692, Field WSUSH-36 Cove Base #1, 443
This sample contains four types of material: The first type is brown rubber and limestone; the second type is off-white resin mastic with limestone; the third type is 2% talc fiber and **1% tremolite cleavage fragments** [1] in brown resin mastic; the fourth type is **1.2% chrysotile asbestos** in green binder with mica and limestone. This sample is non-homogeneous.

The first type is greater than 90% of the sample. The second type is 8% of the sample. The third type is 1% of the sample. The fourth type is less than 1% of the sample.

Note: Pigment and binder interference on the fourth material type.

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Lab RR26693, Field WSUSH-37 Cove Base #2, 406
This sample contains six types of material: The first type is brown rubber and limestone cove base; the second type is off-white mastic with limestone; the third type is greater than 1% talc fiber and **less than 1% tremolite cleavage fragments** [1] in brown resin mastic; the fourth type is **1.2% chrysotile asbestos** in off-white binder with mica flakes; the fifth type is tan paint; the sixth type is tan plaster with sand. This sample is non-homogeneous.

The first type is 93% of the sample The second type is 2% of the sample. The third type is 2% of the sample. The fourth type is 1% of the sample. The fifth type is 1% of the sample. The sixth type is 1% of the sample.

The analysis sensitivity is limited in the fourth material type due to small sample.

Lab RR26694, Field WSUSH-38 Cove Base #3, 318
This sample contains six types of material: The first type is brown rubber and limestone cove base; the second type is off-white mastic with limestone; the third type is greater than 1% talc fiber and **less than 1% tremolite cleavage fragments** [1] in brown resin mastic; the fourth type is **1.2% chrysotile asbestos** in off-white binder with mica flakes; the fifth type is tan paint; the sixth type is tan sandy plaster. This sample is non-homogeneous.

The first type is 94% of the sample The second type is 2% of the sample. The third type is 1% of the sample. The fourth type is 1% of the sample. The fifth type is 1% of the sample. The sixth type is 1% of the sample.

Lab RR26695, Field WSUSH-39 CMU/Paint, 124
This sample contains two types of material: The first type is green paint; the second type is gray sandy cement. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 1% of the sample. The second type is 99% of the sample.

The analysis sensitivity is limited in the first material type due to small layer size.

---

[1]**Note**: Some of the tremolite cleavage fragments have an aspect ratio of greater than 3:1. EPA 600/M4-82-020 defines asbestos as being positively identified as one of the minerals listed in Table 1-1 with an aspect ratio of greater than 3:1. EPA/600/R-93-116 does not classify this tremolite as asbestos. OSHA ID 191 has exempted tremolite cleavage fragments from inclusion in the OSHA asbestos standard.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst:Jaron D. Dixon_____

Analyst: Ofir A. Sosa_____

Analyst: Steve H. Dixon_____ Date Analyzed: January 11, 2010

R & R
ENVIRONMENTAL, INC.
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47 West 9000 South, Suite #2 Sandy, Utah 84070
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2 Hr
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Bulk Analytical Request Form

Page 1 of 1

88051

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: 2 Hr. **Rush** **Non-Rush**

Location sample was taken DFCM - USU - Stansbury Hall
Street address where sample was taken
Sampled by Don Crary Date of Collection 1/13/10

Report to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WRUSH-36	Core Base #1, 443		26692
-37	Core Base #2, 406		26693
-38	Core Base #3, 3150		26694
-39	CMU/Paint, 124		26695

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by Date 1/13/10 Time 1000
Received by Lab Date 1/13/10 Time 1015
Received by Analyst Date 1-13-10 Time 1038
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

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MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 20, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88157, Lab # RR26922 - RR26932
Received January 19, 2010
Test report
DFCM-WSU- Stansbury Hall
Sampled by Jon Craig, 1/19/10

Dear Mr. Roskelley:

Samples RR26922 through RR26932 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR26922, Field WSUSH-41 CMU Binder-122
This sample contains three types of material: The first type is off-white paint layers; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 20% of the sample. The second type is 40% of the sample. The third type is 40% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

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Lab RR26923, Field WSUSH-42 CMU Binder-123
This sample contains three types of material: The first type is tan paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica flakes and limestone; the third type is white plaster. This sample is non-homogeneous.

The first type is 50% of the sample. The second type is 45% of the sample. The third type is 5% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26924, Field WSUSH-43 CMU Binder-1102
This sample contains three types of material: The first type is off-white and green paint layers; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 3% of the sample. The second type is 1% of the sample. The third type is 96% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26925, Field WSUSH-44 CMU Binder-114
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 3% of the sample. The second type is 1% of the sample. The third type is 96% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26926, Field WSUSH-45 CMU Binder-201
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 97% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26927, Field WSUSH-46 CMU Binder-235
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in green binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 50% of the sample. The second type is 45% of the sample. The third type is 5% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26928, Field WSUSH-47 CMU Binder-306
This sample contains three types of material: The first type is tan paint; the second type is **1.2% chrysotile asbestos** in green binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 35% of the sample. The second type is 25% of the sample. The third type is 40% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26929, Field WSUSH-48 CMU Binder-318
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 1% of the sample. The second type is 1% of the sample. The third type is 98% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26930, Field WSUSH-49 CMU Binder-411
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 97% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26931, Field WSUSH-50 CMU Binder-406
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 97% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26932, Field WSUSH-51 Concrete Sealant-403
This sample contains two types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white limestone binder with mica flakes. This sample is non-homogeneous.

The first type is 40% of the sample. The second type is 60% of the sample.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Ofir A. Sosa_____ Date Analyzed: January 19, 2010

RUSH

88157

R & R
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47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380: Office (801) 352-2381: Fax

Bulk Analytical Request Form

Page 1 of 1

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: Rush **Non-Rush**

Location sample was taken DECM-WSU-Stansbury Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 1/19/10

Report to be sent to:
Name: RHF | DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: RHF | DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUSH-41	Ceil Binder - 122		26922
-42	-123		26923
-43	-102		26924
-44	-114		26925
-45	-201		26926
-46	-235		26927
-47	-306		26928
-48	-318		26929
-49	-411		26930
-50	-406		26931
-51	Concrete Sealant - 403		26932

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 1/19/10 Time 1240
Received by Lab [signature] Date 1-19-10 Time 1240
Received by Analyst [signature] Date 1-19-10 Time 1900
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

DIXON INFORMATION INC.
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A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 29, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88329, Lab # RR26986
Previous Batch #: 88051, Lab #: RR26692
Received January 29, 2010
Test report
DFCM-WSU Stansbury Hall
Sampled by Jon Craig, 1/13/10

Dear Mr. Roskelley:

Sample RR26986 has been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR26986, (RR26692) Field WSUSH-36 Cove Base #1, 443
By visual estimation this sample contains four types of material: The first type is brown rubber and limestone; the second type is off-white resin mastic with limestone; the third type is 2% talc fiber and **1% tremolite cleavage fragments** [1] in brown resin mastic; the fourth type is **1.2% chrysotile asbestos** in green binder with mica and limestone. This sample is non-homogeneous.

The first type is greater than 90% of the sample. The second type is 8% of the sample. The third type is 1% of the sample. The fourth type is less than 1% of the sample.

Note: Pigment and binder interference on the fourth material type.

By point count this is **0.6% chrysotile asbestos**. 7 asbestos points were counted. 400 non-asbestos particle points were counted.

The slides were prepared from a 37.17% ash and dilute acid wash recovery of the fourth material type.

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---

[1]**Note**: Some of the tremolite cleavage fragments have an aspect ratio of greater than 3:1. EPA 600/M4-82-020 defines asbestos as being positively identified as one of the minerals listed in Table 1-1 with an aspect ratio of greater than 3:1. EPA/600/R-93-116 does not classify this tremolite as asbestos. OSHA ID 191 has exempted tremolite cleavage fragments from inclusion in the OSHA asbestos standard.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Ofir A. Sosa_____ Date Analyzed: January 29, 2010

R & R
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47 West 9000 South, Suite #2 Sandy, Utah 84070
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2 Hr
1215

Bulk Analytical Request Form

Page 1 of 1

88051

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: 2 Hr. Rush Non-Rush

Location sample was taken DFCM - USU - Stansbury Hall
Street address where sample was taken
Sampled by Jon Cuny Date of Collection 1/13/10

Report to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
USUSH-36	Cove Base #1, 443		26692
-37	Cove Base #2, 400		26693
-38	Cove Base #3, 318		26694
-39	Wall/Paint, 124		26695

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 1/13/10 Time 1000
Received by Lab [signature] Date 1-13-10 Time 1015
Received by Analyst [signature] Date 1-13-10 Time 1035
Returned by Lab [signature] Date 1-18-10 Time 1245

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA"

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the results may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small size and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1% OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, when possible, chemical treatments will be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

Reservoirs Environmental, Inc.

January 22, 2010

Laboratory Code:	**RES**
Subcontract Number:	**NA**
Laboratory Report:	**RES 185518-1,2R**
Project # / P.O. #	**None Given**
Project Description:	**DFCM - WSU - Stansbury Hall**

David Roskelley
R & R Environmental
47 West 9000 South #2
Sandy UT 84070

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 185518- is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Jeanne Spencer Orr
President

Analyst(s): _____

Paul D. LoScalzo	Wenlong Liu
Michael Scales	Rich Wegrzyn
Anita Bridges	James Venendaal
Adam Kinch	Louis A. Church Jr.

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0

TABLE TEM SEMI-QUANTITATIVE BULK MATERIAL ANALYSIS

RES Job Number:	**RES 185518-1,2R**
Client:	**R & R Environmental**
Client Project Number/P.O:	**None Given**
Client Project Description	**DFCM - WSU - Stansbury Hall**
Date Samples Received:	**January 20, 2010**
Analysis Type:	**TEM Semi-Quantitative/Chatfield**
Turnaround:	**24 Hour**
Date Analyzed:	**January 21, 2010**

Client ID Number	Lab ID Number		Asbestos Minerals Present	Asbestos Concentration Weight %
WSUSH-37T (Mastic)	EM	515442	ND	ND
WSUSH-37T (Cove Base)	EM	515693	Chrysotile	0.00 - 0.05
WSUSH-37T (White Layer)	EM	515674	Chrysotile	26.1 - 29.4

ND = None Detected

ND = None Detected
TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite

Data QA

RES 185518

Reservoirs Environmental, Inc.

Due Date: 1-21-10

Due Time: 855

RES Job #

2059 Bryant St. Denver, CO 80211
(303) 964-1986 Fax (303) 477-4275 Toll Free (866) RESI-ENV

Page 1 of 1

SAMPLES SUBMITTED BY:	INVOICE TO: (IF DIFFERENT)	CONTACT INFORMATION:	
Company: R+R Environmental, Inc	Company:	Contact: Dave Rosfelloy	Contact:
Address: 47 W 9000 S. #2 Sandy, UT 84070	Address:	Phone: 801 521.1035	Phone:
		Fax:	Fax:
		Cell/pager:	Cell/pager:
Project Number and/or P.O. #.		Final Data Deliverable Email Address:	
Project Description/Location: DFCM-WSU-Stansbury Hall		DAVE@RRENVIRO.COM	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm; Saturday: 8am -5pm

PCM/PLM/TEM ___ RUSH X 24 hr. ___3-5 day **(Rush PCM/PLM = 2hr, TEM - 6hr.)**

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

Metal(s)	___ RUSH ___ 24 hr. ___3-5 Day	
RCRA 8/Metals Scan	___ RUSH ___ 5 day ___10 day	**Prior notification is required for RUSH turnarounds.**
TCLP/ Welding Fume Scan		
Dust	___ RUSH ___ 24 hr. ___3-5 Day	
Organics	___ 24 hr. ___ 3 day ___5 Day	

Analysis turnarounds are subject to laboratory sample volume and are not guaranteed. You will be notified if delays are expected. Additional fees apply for afterhours and holidays for all analysis types.

Special Instructions:

REQUESTED ANALYSIS

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Drinking Water = DW	
Waste Water = WW	
Other = O	

ASTM E1792 approved wipe media only

LAB NOTES:

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - BTEX, MTBE, 8260, GRO, DRO	OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1 WSUSH-37T Cove Base/Mastic (Cove Base)		~~7402~~							B		1/19/10	Cove base	515412
2 WSUSH-37T Cmastic		∞											515692
3		12 cm											
4		indirect											
5													
6													
7													
8													
9													
10													
11													
12													
13													

submitted as one sample, but must be prepped/analyzed seperately so seperate charges

Mastic

EM 515692

Number of samples received: 1 (Additiional samples shall be listed on attached long form.)

NOTE: . REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days.

Relinquished By: 8713 1951 7342 1/19/10 Date/Time: 1340

Sample Condition: On Ice Y/N Sealed Y/N Intact Y/N

Temp. (F°) ____

Laboratory Use Only

Received By: Date/Time: 1-20-10 855 Carrier: FedEx

Results:	Contact	Page	Phone	Email	Fax	Date	Time	Initials	Contact	Page	Phone	Email	Fax	Date	Time	Initials
	Dave		Phone			1-21-10	9:40A									
	Dave		Phone			1-22-10	8:27a									

LEAD-BASED PAINT INSPECTION
FOR THE

STANSBURY HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

WEBER STATE UNIVERSITY

February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT
4110 State Office Building/Salt Lake City, Utah 84114/538-3018

Mr. Robert Anderson
Hazardous Materials Manager
State of Utah
Department of Administrative Services
Division of Facilities Construction and Management (DFCM)
State Office Building Room 4110
Salt Lake City, Utah 84114
PH: (801) 538-3624
FX: (801) 538-3267

Prepared by:

David C. Roskelley, MSPH, CIH, CSP
R & R Environmental, Inc. (R & R)
47 West 9000 South, Suite #2
Sandy, Utah 84070
dave@rrenviro.com
Phone (801) 541-1035

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381: Fax

LEAD-BASED PAINT INSPECTION
STANSBURY HALL
WEBER STATE UNIVERSITY

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A. Data Tables
- Table 1 – Building Component with Lead Levels at 0.3 mg/cm^2 and above
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Lead-Based Paint Inspection

Stansbury Hall
Weber State University

1.0 INTRODUCTION

During December 2009, a lead-based paint (LBP) survey was conducted for the Stansbury Hall, Weber State University. The purpose of the survey was to identify lead in paint on interior and exterior surfaces of the building. Measurements for lead in paint were made using a Niton XLp 300 X-ray Fluorescence (XRF) Spectrum Analyzer. No chip sampling or laboratory analysis was performed for confirmation of XRF measurements.

The survey work was overseen by David Roskelley with R & R Environmental, Inc. in Sandy, Utah. David Roskelley has completed Lead Inspector Training through the University of Utah, Rocky Mountain Center for Occupational and Environmental Health (RMCOEH), an EPA-sponsored Regional Lead Training Center, and is certified by the State of Utah, Division of Environmental Quality, as a Lead Inspector.

The U.S. Department of housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in housing* (HUD Guidelines), Chapter7: Lead-Based Paint Inspection, 1997 Revision, was generally followed for this survey, with modifications appropriate for a non-residential building.

The following accredited and certified inspector oversaw the inspection, collection of samples and made assessment:

February 22, 2010
Date

Jon R. Craig
Lead-Based Paint Inspector
RMCOEH Certification #100208

February 22, 2010
Date

David C. Roskelley
Lead-Based Paint Inspector
State of Utah, Division of Air Quality
Certification Number: PB-1041
Certified Safety Professional #15774
Certified Industrial Hygienist #8529

BUILDING DESCRIPTION

4.0 BUILDING DESCRIPTION

Building Identification

Building Name .....Stansbury Hall
Building Address .....Weber State University, Ogden, Utah 84322

Building Construction

Building Construction Date ..... ~1965
Building Type .....Apartments
Building Total Sq. Ft..... ~26,400
Structural System .....Steel, reinforced concrete
Exterior Wall Construction ..... Brick, concrete
Floor Deck Construction..... Concrete
Roof Construction..... Flat, Built-up Tar
Floors Above Grade 4
Floors Below Grade 0

Interior Finishes

Floors .....Concrete, ceramic tile, vinyl floor tile, rolled vinyl, carpet
Walls ..... Plaster, cinderblock, concrete
Attic.....No
Crawl space .....Yes (Tunnels)

Building Mechanical

Heating Plant..... Boiler
Main Heating Distribution ..... Radiant
Cooling Plant ..... A/C Units
Main A / C Distribution ..... Forced Air

2.0 LEAD-BASED PAINT DEFINITIONS

HUD defines "lead-based paint" as any coating that has a lead concentration of 1.0 milligram of lead per square centimeter (1.0 mg/cm^2) or greater, or if the lead concentration is greater than 0.5% by weight. The Consumer Product Safety Commission (CPSC) currently considers paint to be lead-containing if the concentration of lead exceeds 600 ppm (0.06% by weight). In 1978, the CPSC banned the sale of lead-based paint to consumers, and banned its application in areas where consumers have direct access to painted surfaces. Both the CPSC and HUD definitions of lead-containing paint are aimed at protecting the general population from exposure to lead in the residential setting.

By contrast, the mission of the Occupational Safety and Health Administration (OSHA) with respect to lead-containing paint, is to protect workers during construction activities that may generate elevated airborne lead concentrations. OSHA states that construction work (including renovation, maintenance, and demolition) carried-out on structures coated with paint have lead concentrations lower than the HUD or CPSC can still result in airborne lead concentrations in excess of regulatory limits. For this reason, OSHA has not defined lead-containing paint, but states that paint having any measurable level of lead may pose a substantial exposure hazard during construction work, depending upon the work performed.

3.0 PROCEDURES

3.1 Paint Sampling Methodologies

Direct measurements of lead in paint were made using a Niton 300 XLp Series X-ray Fluorescence (XRF) Spectrum Analyzer. The Niton 300 XLp Lead Paint Analyzer non-destructively measures lead concentrations of painted surfaces, regardless of the number of layers present. These instruments were developed specifically for addressing lead-based paint issues in housing and their use in identifying potential exposure hazards for renovation or construction work must be augmented by selective collection and analysis of physical paint chip samples.

The newer XRF instruments are capable of identifying lead in paint at concentrations of about 0.3 milligram per square centimeter (mg/cm^2) or greater. When lead concentrations are lower than this, the instruments are not capable of making accurate, reliable measurements, and the reported lead concentration may underestimate or overestimate the actual lead concentration in the paint. Therefore, an XRF readings of 0.4 mg/cm^2 or greater may be considered lead-containing from an OSHA perspective, and any readings of 0.3 mg/cm^2 or less should be confirmed by the collection and laboratory analysis of paint chip samples, or assumed to be positive for lead.

Where paint chip samples are necessary, samples are collected according to the protocol specified in the HUD Guidelines. The samples are then submitted to a laboratory recognized under the EPA's National Lead Laboratory Accreditation Program (NLLAP)

for analysis by flame atomic absorption spectrophotometry according to American Society of Testing and Materials (ASTM) method ASTM E 1645.

3.2 XRF Calibration

Before beginning the testing and after the testing was completed, the internal calibration of the Niton XLp 300 was checked by taking three consecutive measurements on a National Institute for Standards and Technology (NIST) standard with a known concentration of lead. These calibration checks are reported within the XRF data tables found in Appendix A of this report and are maintained in a file at R & R Environmental, Inc. to detect changes in instrument performance over time.

3.3 Lead Paint Inspection Data Tables

The XRF instrument generates a unique set of data tables for each inspection and can be exported into Microsoft Excel Spreadsheet format .xls. The Sequential Report lists the measurements made throughout the property in sequential order, from the first measurement to the last. The Data table is maintained in a file at R & R Environmental, Inc.

4.0 FINDINGS

The XRF instrument indicated that lead is present on some interior and exterior surfaces. These surfaces are listed in Table 1 "positive" building components (Measurements of 0.3 mg/cm^2 and above) in Appendix A of this report:

Interior

- Door Frames, Ceramic Tile Walls, Ceramic Tile Baseboards, Miscellaneous Components

Exterior

- Some Door Frames

Because lead has been detected in some of the building's painted surfaces, the OSHA Lead in Construction Standard (29 CFR 1926.62) applies to any construction work (including renovation and demolition) that may disturb those surfaces. The standard requires, among other things, the following:

- Initial training on the hazards of lead exposure, proper work practices, respiratory protection, and other topics;

- An initial exposure assessment, by air monitoring, to determine the lead exposure assessment, until sample analysis indicates exposures below the Permissible Exposure Limit;

- Hand washing facilities, designated clean change areas, and designated eating areas.

In addition to the above considerations, the presence of lead in demolition debris has the potential to impose limitations on where and how the debris may be disposed. The Resource Conservation and Recovery Act (RCRA), Subtitles C and D, require that the waste must be analyzed to determine the amount of leachable lead present. The type of test to be performed on the waste is the Toxicity Characteristic Leaching Procedure (TCLP) for lead, and the results of this test will determine whether the material must be handled and disposed of as hazardous waste. For structures containing large amounts of lead-containing paint, significant potential for failing the TCLP exists.

5.0 RESULTS AND RECOMMENDATIONS

Lead-based paint was found on various interior and exterior components. The lead-based paint on these components is intact. These components should be left undisturbed in place.

6.0 LIMITATIONS AND EXCLUSIONS OF WARRANTY

This lead inspection was performed using procedures and a level of diligence typically exercised by professional consultants performing similar services. However, lead-based paint (LBP) can be present in a surface, but not identified using ordinary investigative procedures.

No lead inspection can completely eliminate uncertainty regarding the presence of LBP. R & R Environmental, Inc. level of diligence and investigative procedures are intended to reduce, but not eliminate, potential uncertainty regarding the presence of LBP. The procedures used for this survey attempt to establish a balance between the competing goals of limiting investigative costs, time, and building damage, and reducing the uncertainty about unknown conditions. Therefore, the determinations in this report should not be construed as a guarantee that all LBP present in the subject property has been included in this report.

This report presents R & R Environmental, Inc.'s professional determinations, which are dependent upon information obtained during performance of consulting services. R &R Environmental, Inc. assumes no responsibility for omissions or errors resulting from inaccurate information provided by sources outside of R & R Environmental, Inc.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report. The limitations presented above supersede the requirements or provisions of all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herein.

Appendix A

Lead Paint Inspection Data Tables

Table 1

Building Components with Lead Levels at 0.3 mg/cm^2 and Above
Stansbury Hall
Weber State University

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
Shutter Cal		1	8.32							
Calibrate		2	1.2							
Calibrate		3	1.2							
Calibrate		4	1.2							
124	First	14	0.4	Door Frame	D	Metal	Gray	Intact		
124	First	15	0.4	Door	C	Metal	Tan	Intact		
124	First	30	2.3	Motor	A	Metal	Red	Intact		
124	First	40	2.1	Motor	B	Metal	Green	Intact		
124	First	69	2.3	Pipe	Center	Metal	Yellow	Intact		
124	First	70	1.8	Pipe	Center	Metal	Yellow	Intact		
122	First	73	0.3	Door Frame	B	Metal	Gray	Intact		
122	First	76	0.3	Wall	C	Cinderblock	Off-White	Intact		
122	First	80	13.7	Window Sill	C	Ceramic	Tan	Intact		
122	First	83	0.4	Pipe	C	Metal	Off-White	Intact		
121	First	85	0.4	Door Frame	C	Metal	Tan	Intact		
119	First	95	7.6	Wall	A	Ceramic	Blue	Intact		
119	First	100	0.5	Baseboard	C	Ceramic	Tan	Intact		
101	First	112	0.3	Door	B	Metal	Tan	Intact		
101	First	113	0.4	Door Frame	B	Metal	Tan	Intact		
101	First	116	0.7	Baseboard	A	Ceramic	Tan	Intact		
101	First	118	5.1	Control Box	C	Metal	Black	Intact		
117	First	129	0.4	Door Frame	A	Metal	Gray	Intact		
116	First	147	6	Wall	B	Ceramic	Blue	Intact		
114	First	159	0.4	Pipe	A	Paper	Off-White	Intact		
115	First	163	0.4	Door Frame	A	Metal	Gray	Intact		
112	First	177	4.7	Wall	A	Ceramic	Cream	Intact		
109	First	183	16.1	Window Sill	A	Ceramic	Tan	Intact		
105	First	194	0.4	Door Frame	A	Metal	Off-White	Intact		
235	Second	214	0.5	Door Frame	A	Metal	Tan	Intact		
206	Second	227	0.3	Door Frame	D	Metal	Gray	Intact		
203	Second	236	0.3	Door Frame	D	Metal	Gray	Intact		
204	Second	244	0.4	Door Frame	D	Metal	Gray	Intact		
205	Second	257	0.3	Ceiling	Center	Plaster	Off-White	Intact		
243	Second	261	0.4	Door Frame	B	Metal	Gray	Intact		
208	Second	273	0.4	Door Frame	A	Metal	Gray	Intact		
211	Second	302	0.3	Door Frame	B	Metal	Gray	Intact		
209	Second	312	0.3	Door Frame	B	Metal	Gray	Intact		
209	Second	313	0.4	Radiator	D	Metal	Gray	Intact		
244	Second	320	0.3	Door Frame	D	Metal	Gray	Intact		
244	Second	326	4.9	Wall	D	Ceramic	Off-White	Intact		
218	Second	331	0.4	Door Frame	A	Metal	Gray	Intact		
216	Second	359	0.3	Door Frame	B	Metal	Gray	Intact		
226	Second	379	2.1	Shelf	B	Wood	Off-White	Intact		
228	Second	383	7.2	Wall	B	Ceramic	Off-White	Intact		
227	Second	436	0.3	Wall	A	Cinderblock	Off-White	Intact		
227	Second	437	0.3	Shelf	D	Wood	Off-White	Intact		
232	Second	441	6.6	Wall	D	Ceramic	Off-White	Intact		
233	Second	443	0.4	Door Frame	B	Metal	Gray	Intact		
306	Third	459	0.3	Door Frame	A	Metal	Gray	Intact		
305	Third	500	0.4	Door Frame	A	Metal	Gray	Intact		
342	Third	517	6.4	Wall	D	Ceramic	Off-White	Intact		
Shutter Cal		521	7.26							
312	Third	543	0.3	Door Frame	B	Metal	Gray	Intact		
338	Third	575	0.3	Door Frame	D	Metal	Gray	Intact		
338	Third	577	5.8	Wall	B	Ceramic	Off-White	Intact		
317	Third	622	0.3	Wall	A	Cinderblock	Beige	Intact		
326	Third	631	0.5	Shelf	B	Wood	Off-White	Intact		
328	Third	634	0.4	Door Frame	D	Metal	Gray	Intact		
328	Third	636	5.4	Wall	B	Ceramic	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
321	Third	642	0.4	Door Frame	C	Metal	Gray	Intact		
321	Third	643	0.4	Wall	B	Cinderblock	Off-White	Intact		
332	Third	693	0.3	Door Frame	B	Metal	Gray	Intact		
332	Third	695	8.1	Wall	B	Ceramic	Off-White	Intact		
401	Fourth	701	0.3	Wall	A	Cinderblock	Off-White	Intact		
401	Fourth	703	0.4	Wall	C	Cinderblock	Off-White	Intact		
435	Fourth	708	0.4	Wall	A	Cinderblock	Cream	Intact		
406	Fourth	719	0.3	Wall	B	Cinderblock	Off-White	Intact		
402	Fourth	725	0.3	Door Frame	D	Metal	Gray	Intact		
443	Fourth	763	0.4	Door Frame	B	Metal	Gray	Intact		
442	Fourth	770	6.5	Wall	D	Ceramic	Off-White	Intact		
408	Fourth	776	0.3	Door Frame	A	Metal	Gray	Intact		
413	Fourth	785	0.4	Door Frame	B	Metal	Gray	Intact		
412	Fourth	799	0.3	Wall	D	Metal	Off-White	Intact		
409	Fourth	816	0.4	Door Frame	B	Metal	Gray	Intact		
438	Fourth	829	4.5	Wall	D	Ceramic	Off-White	Intact		
418	Fourth	837	0.3	Wall	B	Cinderblock	Off-White	Intact		
428	Fourth	886	0.4	Door Frame	D	Metal	Gray	Intact		
428	Fourth	888	4.8	Wall	B	Ceramic	Off-White	Intact		
421	Fourth	897	0.4	Ceiling	Center	Plaster	Off-White	Intact		
Shutter Cal		910	7.54							
427	Fourth	939	0.4	Door Frame	B	Metal	Gray	Intact		
432	Fourth	946	5.5	Wall	D	Ceramic	Off-White	Intact		
Exterior	First	960	0.3	Door Frame	C Right	Metal	Brown	Intact		
Calibrate		968	1.1							
Calibrate		969	1.1							
Calibrate		970	1.1							

Note 1: A=North, B=East, C=South, D=West

Table 2

Building Components with Lead Levels Below 0.3 mg/cm^2
Stansbury Hall
Weber State University

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
123	First	5	0	Door	C	Metal	Gray	Intact		
123	First	6	0.21	Door Frame	C	Metal	Gray	Intact		
123	First	7	0.02	Wall	B	Cinderblock	Off-White	Intact		
123	First	8	0	Wall	D	Cinderblock	Off-White	Intact		
123	First	9	0.05	Ceiling	Center	Plaster	Off-White	Intact		
123	First	10	0.13	Door Frame	A	Metal	Gray	Intact		
123	First	11	0.16	Fire Ext Box	B	Metal	Gray	Intact		
123	First	12	0.03	Radiator	B	Metal	Gray	Intact		
124	First	13	0.21	Door	D	Metal	Gray	Intact		
124	First	16	0.16	Door Frame	C	Metal	Tan	Intact		
124	First	17	0.01	Wall	A	Cinderblock	Green	Intact		
124	First	18	0.02	Wall	B	Cinderblock	Green	Intact		
124	First	19	0.02	Wall	C	Cinderblock	Green	Intact		
124	First	20	0.05	Wall	D	Cinderblock	Green	Intact		
124	First	21	0.02	Ceiling	Center	Concrete	Green	Intact		
124	First	22	0.29	Control Box	A	Metal	Red	Intact		
124	First	23	0	Comp. Tank	A	Metal	Blue	Intact		
124	First	24	0	Motor	A	Metal	Blue	Intact		
124	First	25	0	Motor	A	Metal	Blue	Intact		
124	First	26	0.01	Base	A	Metal	Blue	Intact		
124	First	27	0.06	Tank	A	Metal	Cream	Intact		
124	First	28	0.17	Motor	A	Metal	Red	Intact		
124	First	29	0	Motor	A	Metal	Red	Intact		
124	First	31	0	Motor	A	Metal	Red	Intact		
124	First	32	0	Pump	A	Metal	Red	Intact		
124	First	33	0.04	Control Box	A	Metal	Tan	Intact		
124	First	34	0.19	Motor	A	Metal	Red	Intact		
124	First	35	0.26	Motor	A	Metal	Red	Intact		
124	First	36	0.16	Motor	A	Metal	Red	Intact		
124	First	37	0	Motor	A	Metal	Blue	Intact		
124	First	38	0.12	Air Handler	B	Metal	Green	Intact		
124	First	39	0.08	Air Handler	B	Metal	Green	Intact		
124	First	41	0	Control Box	B	Metal	Beige	Intact		
124	First	42	0.01	Mount	B	Wood	Green	Intact		
124	First	43	0.07	Pipe	B	Metal	Green	Intact		
124	First	44	0	Column	C	Concrete	Green	Intact		
124	First	45	0.01	Breaker Panel	C	Metal	Gray	Intact		
124	First	46	0	Conduit Box	C	Metal	Gray	Intact		
124	First	47	0	Conduit Box	C	Metal	Gray	Intact		
124	First	48	0	Switch	C	Metal	Gray	Intact		
124	First	49	0.01	Breaker Panel	C	Metal	Gray	Intact		
124	First	50	0	Control Box	C	Metal	Gray	Intact		
124	First	51	0	Control Box	C	Metal	Gray	Intact		
124	First	52	0	Control Box	C	Metal	Tan	Intact		
124	First	53	0	Switch	C	Metal	Tan	Intact		
124	First	54	0	Switch	C	Metal	Tan	Intact		
124	First	55	0	Switch	C	Metal	Tan	Intact		
124	First	56	0	Switch	C	Metal	Tan	Intact		
124	First	57	0	Breaker Panel	C	Metal	Tan	Intact		
124	First	58	0	Motor	C	Metal	Red	Intact		
124	First	59	0.04	Pipe	C	Metal	Green	Intact		
124	First	60	0	Control Box	C	Metal	Tan	Intact		
124	First	61	0	Breaker Panel	C	Metal	Gray	Intact		
124	First	62	0	Control Box	C	Metal	Tan	Intact		
124	First	63	0.21	Control Box	C	Metal	Red	Intact		
124	First	64	0	Boiler	C	Metal	Gray	Intact		
124	First	65	0	Boiler	C	Metal	Black	Intact		
124	First	66	0.01	Tank	Center	Metal	Silver	Intact		
124	First	67	0	Control Box	Center	Metal	Blue	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
124	First	68	0	Motor	Center	Metal	Blue	Intact		
124	First	71	0	Tank	Center	Metal	Rust	Intact		
122	First	72	0.01	Door	B	Wood	Clear	Intact		
122	First	74	0.2	Wall	A	Cinderblock	Off-White	Intact		
122	First	75	0.15	Wall	B	Cinderblock	Off-White	Intact		
122	First	77	0.09	Wall	D	Cinderblock	Off-White	Intact		
122	First	78	0.08	Ceiling	Center	Plaster	Off-White	Intact		
122	First	79	0.17	Column	C	Concrete	Off-White	Intact		
122	First	81	0.14	Shelf	A	Wood	Off-White	Intact		
122	First	82	0.2	Pipe	C	Paper	Off-White	Intact		
121	First	84	0	Door	C	Wood	Clear	Intact		
121	First	86	0.09	Wall	A	Cinderblock	Off-White	Intact		
121	First	87	0.09	Wall	C	Cinderblock	Off-White	Intact		
121	First	88	0.11	Ceiling	C	Plaster	Off-White	Intact		
121	First	89	0.04	Cabinet	D	Wood	Clear	Intact		
121	First	90	0.02	Radiator	A	Metal	Tan	Intact		
121	First	91	0.01	Rack	B	Wood	Off-White	Intact		
119	First	92	0.02	Door	B	Wood	Clear	Intact		
119	First	93	0.17	Door Frame	B	Metal	Gray	Intact		
119	First	94	0.09	Wall	A	Plaster	Off-White	Intact		
119	First	96	0.07	Ceiling	Center	Plaster	Off-White	Intact		
119	First	97	0.12	Door	D	Metal	Off-White	Intact		
119	First	98	0.05	Column	Center	Concrete	Off-White	Intact		
119	First	99	0.03	Column	Center	Concrete	Off-White	Intact		
118	First	101	0.02	Column	A	Concrete	Off-White	Intact		
125	First	102	0.01	Column	Center	Concrete	Off-White	Intact		
126	First	103	0	Door	C	Wood	Clear	Intact		
126	First	104	0.13	Door Frame	C	Metal	Off-White	Intact		
126	First	105	0.01	Wall	A	Cinderblock	Off-White	Intact		
126	First	106	0.01	Wall	C	Cinderblock	Off-White	Intact		
126	First	107	0	Window Frame	A	Wood	Off-White	Intact		
126	First	108	0.01	Ceiling	Center	Plaster	Off-White	Intact		
126	First	109	0.08	BOX	D	Metal	Green	Intact		
126	First	110	0.03	BOX	D	Metal	Gray	Intact		
101	First	111	0.24	Door	B	Metal	Tan	Intact		
101	First	114	0.07	Door Frame	B	Metal	Tan	Intact		
101	First	115	0	Floor	B	Ceramic	Beige	Intact		
101	First	116	0.7	Baseboard	A	Ceramic	Tan	Intact		
101	First	117	0	Control Box	C	Metal	Black	Intact		
101	First	119	0	Control Box	C	Metal	Red	Intact		
101	First	120	0	Window Frame	C	Metal	Off-White	Intact		
103	First	121	0.02	Door	C	Wood	Clear	Intact		
103	First	122	0.16	Door Frame	C	Metal	Off-White	Intact		
103	First	123	0	Door	A	Wood	Clear	Intact		
103	First	124	0	Door Frame	A	Metal	Off-White	Intact		
103	First	125	0.01	Wall	A	Cinderblock	Off-White	Intact		
103	First	126	0.01	Wall	C	Cinderblock	Off-White	Intact		
103	First	127	0.02	Ceiling	Center	Plaster	Off-White	Intact		
103	First	128	0	Mount	D	Wood	Off-White	Intact		
117	First	130	0.21	Door	D	Metal	Tan	Intact		
117	First	131	0.08	Column	Center	Concrete	Tan	Intact		
117	First	132	0.04	Column	Center	Concrete	Tan	Intact		
117	First	133	0.05	Column	Center	Concrete	Tan	Intact		
117	First	134	0.06	Vent	B	Metal	Tan	Intact		
113	First	135	0	Door	A	Metal	Gray	Intact		
113	First	136	0.21	Door Frame	A	Metal	Gray	Intact		
113	First	137	0.02	Wall	B	Cinderblock	Off-White	Intact		
113	First	138	0.04	Wall	B	Cinderblock	Off-White	Intact		
113	First	139	0.06	Ceiling	Center	Plaster	Off-White	Intact		
113	First	140	0.02	Floor	Center	Concrete	Clear	Intact		
113	First	141	0.07	Fire Ext Box	B	Metal	Gray	Intact		
113	First	142	0.01	Radiator	B	Metal	Gray	Intact		
113	First	143	0.02	Access Panel	B	Metal	Off-White	Intact		
113	First	144	0.29	Door Header	A	Metal	Gray	Intact		
116	First	145	0	Door	B	Wood	Clear	Intact		
116	First	146	0.14	Door Frame	B	Metal	Off-White	Intact		
116	First	148	0.06	Wall	B	Plaster	Off-White	Intact		
116	First	149	0.07	Ceiling	Center	Plaster	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
114	First	150	0	Door	B	Wood	Clear	Intact		
114	First	151	0.23	Door Frame	B	Metal	Gray	Intact		
114	First	152	0.09	Wall	A	Cinderblock	Off-White	Intact		
114	First	153	0.06	Wall	B	Cinderblock	Off-White	Intact		
114	First	154	0.09	Wall	C	Cinderblock	Off-White	Intact		
114	First	155	0.13	Wall	D	Cinderblock	Off-White	Intact		
114	First	156	0.1	Ceiling	Center	Plaster	Off-White	Intact		
114	First	157	0.09	Column	A	Concrete	Off-White	Intact		
114	First	158	0.27	Pipe	A	Metal	Off-White	Intact		
114	First	160	0	Sink	C	Metal	Off-White	Intact		
114	First	161	0.01	Radiator	D	Metal	Tan	Intact		
115	First	162	0.01	Door	A	Wood	Clear	Intact		
115	First	164	0.1	Wall	A	Cinderblock	Off-White	Intact		
115	First	165	0.25	Wall	C	Cinderblock	Off-White	Intact		
115	First	166	0.03	Radiator	C	Metal	Tan	Intact		
115	First	167	0	Cabinet	B	Wood	Clear	Intact		
111	First	168	0.01	Door	D	Wood	Clear	Intact		
111	First	169	0.02	Wall	C	Cinderblock	Off-White	Intact		
111	First	170	0	Breaker Panel	C	Metal	Gray	Intact		
111	First	171	0.01	Ceiling	Center	Wallboard	Off-White	Intact		
112	First	172	0	Door	C	Wood	Clear	Intact		
112	First	173	0.22	Door Frame	C	Metal	Off-White	Intact		
112	First	174	0	Wall	B	Plaster	Cream	Intact		
112	First	175	0.02	Wall	D	Plaster	Cream	Intact		
112	First	176	0.05	Ceiling	Center	Plaster	Cream	Intact		
109	First	178	0.11	Door	C	Wood	Cream	Intact		
109	First	179	0.01	Door	C	Wood	Clear	Intact		
109	First	180	0.06	Wall	A	Cinderblock	Off-White	Intact		
109	First	181	0.07	Wall	B	Cinderblock	Off-White	Intact		
109	First	182	0.16	Wall	C	Cinderblock	Off-White	Intact		
109	First	184	0	Ceiling	Center	Wallboard	Off-White	Intact		
109	First	185	0	Cabinet	D	Wood	Clear	Intact		
108	First	186	0	Wall	A	Wallboard	Off-White	Intact		
108	First	187	0.11	Wall	B	Cinderblock	Off-White	Intact		
108	First	188	0	Cabinet	A	Wood	Clear	Intact		
107	First	189	0	Wall	B	Wallboard	Carmel	Intact		
107	First	190	0	Wall	C	Cinderblock	Off-White	Intact		
107	First	191	0.14	Wall	D	Cinderblock	Off-White	Intact		
107	First	192	0.07	Ceiling	Center	Wallboard	Off-White	Intact		
105	First	193	0.04	Door	A	Wood	Clear	Intact		
105	First	195	0.1	Wall	B	Cinderblock	Off-White	Intact		
105	First	196	0.1	Pipe	B	Paper	Off-White	Intact		
102	First	197	0.01	Door	B	Wood	Clear	Intact		
102	First	198	0.01	Door	C	Wood	Clear	Intact		
102	First	199	0.09	Door Frame	B	Metal	Off-White	Intact		
102	First	200	0.09	Door Frame	C	Metal	Off-White	Intact		
102	First	201	0.01	Wall	B	Cinderblock	Cream	Intact		
102	First	202	0.02	Wall	D	Cinderblock	Cream	Intact		
102	First	203	0.01	Ceiling	Center	Wallboard	Cream	Intact		
102	Second	204	0	Bulletin Board	A	Wood	Beige	Intact		
199	First	205	0.03	Wall	D	Concrete	Off-White	Intact		
199	First	206	0	Ceiling	Center	Concrete	Off-White	Intact		
199	First	207	0	Stair Structure	Center	Metal	Black	Intact		
201	Second	208	0.04	Wall	A	Cinderblock	Off-White	Intact		
201	Second	209	0	Wall	B	Cinderblock	Off-White	Intact		
201	Second	210	0.15	Wall	C	Cinderblock	Off-White	Intact		
201	Second	211	0	Wall	D	Cinderblock	Off-White	Intact		
201	Second	212	0.09	Ceiling	Center	Concrete	Off-White	Intact		
235	Second	213	0.06	Door	A	Wood	Clear	Intact		
235	Second	215	0.21	Wall	A	Cinderblock	Off-White	Intact		
235	Second	216	0.01	Wall	B	Cinderblock	Off-White	Intact		
235	Second	217	0.04	Cabinet	B	Wood	Red	Intact		
235	Second	218	0.04	Ceiling	Center	Concrete	Off-White	Intact		
206	Second	219	0	Door	A	Metal	Gray	Intact		
206	Second	220	0.2	Door Frame	A	Metal	Gray	Intact		
206	Second	221	0.12	Door Frame	C	Metal	Gray	Intact		
206	Second	222	0.05	Wall	B	Cinderblock	Off-White	Intact		
206	Second	223	0	Wall	D	Cinderblock	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
206	Second	224	0.04	Ceiling	Center	Plaster	Off-White	Intact		
206	Second	225	0.09	Radiator	B	Metal	Gray	Intact		
206	Second	226	0	Door	D	Wood	Clear	Intact		
206	Second	228	0.01	Wall	A	Cinderblock	Off-White	Intact		
206	Second	229	0.01	Wall	B	Cinderblock	Off-White	Intact		
206	Second	230	0.05	Wall	D	Cinderblock	Off-White	Intact		
206	Second	231	0.06	Ceiling	Center	Plaster	Off-White	Intact		
206	Second	232	0.01	Cabinet	D	Wood	Clear	Intact		
206	Second	233	0	Shelf	C	Wood	Clear	Intact		
206	Second	234	0.01	Radiator	B	Metal	Gray	Intact		
203	Second	235	0	Door	D	Wood	Clear	Intact		
203	Second	237	0.01	Radiator	B	Metal	Gray	Intact		
203	Second	238	0.1	Wall	B	Cinderblock	Gray	Intact		
203	Second	239	0.06	Wall	C	Cinderblock	Gray	Intact		
203	Second	240	0.04	Wall	D	Cinderblock	Gray	Intact		
203	Second	241	0.04	Shelf	A	Wood	Clear	Intact		
203	Second	242	0	Cabinet	D	Wood	Clear	Intact		
204	Second	243	0	Door	D	Wood	Clear	Intact		
204	Second	245	0.02	Radiator	B	Metal	Gray	Intact		
204	Second	246	0.05	Wall	A	Cinderblock	Off-White	Intact		
204	Second	247	0.03	Wall	B	Wallboard	Off-White	Intact		
204	Second	248	0.01	Wall	C	Cinderblock	Off-White	Intact		
204	Second	249	0.03	Wall	D	Cinderblock	Off-White	Intact		
204	Second	250	0	Shelf	C	Wood	Clear	Intact		
204	Second	251	0.01	Cabinet	D	Wood	Clear	Intact		
205	Second	252	0	Door	D	Wood	Clear	Intact		
205	Second	253	0.17	Door Frame	D	Metal	Gray	Intact		
205	Second	254	0.04	Wall	A	Cinderblock	Off-White	Intact		
205	Second	255	0.02	Wall	C	Cinderblock	Off-White	Intact		
205	Second	256	0.01	Wall	B	Metal	Off-White	Intact		
205	Second	258	0.03	Radiator	B	Metal	Off-White	Intact		
205	Second	259	0	Cabinet	D	Wood	Clear	Intact		
243	Second	260	0	Door	B	Wood	Clear	Intact		
243	Second	262	0.08	Wall	B	Cinderblock	Off-White	Intact		
243	Second	263	0.09	Ceiling	Center	Plaster	Off-White	Intact		
243	Second	264	0	Shelf	D	Wood	Off-White	Intact		
242	Second	265	0	Door	B	Wood	Clear	Intact		
242	Second	266	0.17	Door Frame	B	Metal	Gray	Intact		
242	Second	267	0	Wall	C	Plaster	Off-White	Intact		
242	Second	268	0.04	Wall	C	Ceramic	Off-White	Intact		
236	Second	269	0.01	Door	B	Wood	Clear	Intact		
236	Second	270	0.22	Door Frame	B	Metal	Gray	Intact		
236	Second	271	0.05	Wall	A	Plaster	Off-White	Intact		
208	Second	272	0	Door	A	Metal	Gray	Intact		
208	Second	274	0.14	Door Frame	C	Metal	Gray	Intact		
208	Second	275	0.06	Wall	B	Cinderblock	Off-White	Intact		
208	Second	276	0.03	Wall	D	Cinderblock	Off-White	Intact		
208	Second	277	0.04	Radiator	D	Metal	Gray	Intact		
208	Second	278	0	Access Panel	D	Metal	Gray	Intact		
208	Second	279	0.19	Ceiling	Center	Plaster	Off-White	Intact		
208	Second	280	0.01	Wall	B	Wood	Clear	Intact		
208	Second	281	0.07	Access Panel	B	Metal	Off-White	Intact		
213	Second	282	0	Door	B	Wood	Clear	Intact		
213	Second	283	0.15	Door Frame	B	Metal	Gray	Intact		
213	Second	284	0	Wall	A	Cinderblock	Off-White	Intact		
213	Second	285	0.06	Wall	C	Cinderblock	Off-White	Intact		
213	Second	286	0.08	Wall	B	Cinderblock	Off-White	Intact		
213	Second	287	0.02	Wall	D	Metal	Off-White	Intact		
213	Second	288	0.02	Radiator	D	Metal	Off-White	Intact		
213	Second	289	0.02	Shelf	A	Wood	Clear	Intact		
213	Second	290	0	Cabinet	B	Wood	Clear	Intact		
213	Second	291	0	Door	B	Wood	Clear	Intact		
213	Second	292	0.28	Door Frame	B	Metal	Gray	Intact		
213	Second	293	0.2	Wall	A	Cinderblock	Off-White	Intact		
213	Second	294	0.03	Wall	B	Cinderblock	Off-White	Intact		
213	Second	295	0.07	Wall	C	Cinderblock	Off-White	Intact		
213	Second	296	0	Wall	D	Metal	Off-White	Intact		
213	Second	297	0.01	Radiator	D	Metal	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
213	Second	298	0.02	Ceiling	Center	Plaster	Off-White	Intact		
213	Second	299	0	Shelf	C	Wood	Clear	Intact		
213	Second	300	0	Cabinet	B	Wood	Clear	Intact		
211	Second	301	0	Door	B	Wood	Clear	Intact		
211	Second	303	0.04	Wall	A	Cinderblock	Off-White	Intact		
211	Second	304	0.01	Wall	B	Cinderblock	Off-White	Intact		
211	Second	305	0.06	Wall	C	Cinderblock	Off-White	Intact		
211	Second	306	0.03	Wall	D	Metal	Off-White	Intact		
211	Second	307	0.04	Radiator	D	Metal	Gray	Intact		
211	Second	308	0.03	Ceiling	Center	Plaster	Off-White	Intact		
211	Second	309	0	Shelf	A	Wood	Clear	Intact		
211	Second	310	0	Cabinet	B	Wood	Clear	Intact		
209	Second	311	0.02	Door	B	Wood	Clear	Intact		
209	Second	313	0.4	Radiator	D	Metal	Gray	Intact		
209	Second	314	0.05	Wall	A	Wallboard	Off-White	Intact		
209	Second	315	0.01	Wall	C	Cinderblock	Off-White	Intact		
209	Second	316	0.05	Wall	D	Metal	Off-White	Intact		
209	Second	317	0.06	Ceiling	Center	Plaster	Off-White	Intact		
209	Second	318	0	Cabinet	A	Wood	Clear	Intact		
244	Second	319	0.01	Door	D	Wood	Clear	Intact		
244	Second	321	0.06	Wall	C	Cinderblock	Off-White	Intact		
244	Second	322	0	Shelf	B	Wood	Off-White	Intact		
244	Second	323	0	Door	B	Wood	Clear	Intact		
244	Second	324	0.21	Door Frame	D	Metal	Gray	Intact		
244	Second	325	0.08	Wall	D	Plaster	Off-White	Intact		
244	Second	327	0	Ceiling	Center	Plaster	Off-White	Intact		
238	Second	328	0.02	Door	D	Wood	Clear	Intact		
238	Second	329	0.18	Door Frame	D	Metal	Off-White	Intact		
238	Second	330	0.08	Wall	B	Plaster	Off-White	Intact		
218	Second	332	0	Door	C	Metal	Gray	Intact		
218	Second	333	0.27	Door Frame	C	Metal	Gray	Intact		
218	Second	334	0.17	Wall	B	Cinderblock	Off-White	Intact		
218	Second	335	0.12	Wall	D	Cinderblock	Off-White	Intact		
218	Second	336	0.24	Ceiling	Center	Plaster	Off-White	Intact		
218	Second	337	0.09	Radiator	D	Metal	Gray	Intact		
218	Second	338	0	Wall	B	Wood	Clear	Intact		
214	Second	339	0	Door	B	Wood	Clear	Intact		
214	Second	340	0.26	Door Frame	B	Metal	Gray	Intact		
214	Second	341	0.02	Wall	A	Cinderblock	Off-White	Intact		
214	Second	342	0.02	Wall	B	Cinderblock	Off-White	Intact		
214	Second	343	0.01	Wall	C	Cinderblock	Off-White	Intact		
214	Second	344	0.06	Wall	D	Metal	Off-White	Intact		
214	Second	345	0.04	Radiator	D	Metal	Off-White	Intact		
214	Second	346	0	Shelf	C	Wood	Clear	Intact		
214	Second	347	0	Cabinet	B	Wood	Clear	Intact		
215	Second	348	0	Door	B	Wood	Clear	Intact		
215	Second	349	0.14	Door Frame	B	Metal	Gray	Intact		
215	Second	350	0.01	Wall	A	Cinderblock	Off-White	Intact		
215	Second	351	0.09	Wall	B	Cinderblock	Off-White	Intact		
215	Second	352	0	Wall	C	Cinderblock	Off-White	Intact		
215	Second	353	0.02	Wall	D	Metal	Off-White	Intact		
215	Second	354	0.02	Radiator	D	Metal	Off-White	Intact		
215	Second	355	0.02	Ceiling	Center	Plaster	Off-White	Intact		
215	Second	356	0	Shelf	A	Wood	Clear	Intact		
215	Second	357	0	Cabinet	B	Wood	Clear	Intact		
216	Second	358	0	Door	B	Wood	Clear	Intact		
216	Second	360	0.01	Wall	A	Cinderblock	Off-White	Intact		
216	Second	361	0.03	Wall	B	Cinderblock	Off-White	Intact		
216	Second	362	0.01	Wall	C	Cinderblock	Off-White	Intact		
216	Second	363	0.03	Wall	D	Metal	Off-White	Intact		
216	Second	364	0.01	Radiator	D	Metal	Off-White	Intact		
216	Second	365	0.01	Ceiling	C	Plaster	Off-White	Intact		
216	Second	366	0	Shelf	C	Wood	Clear	Intact		
216	Second	367	0	Cabinet	B	Wood	Clear	Intact		
217	Second	368	0	Door	B	Wood	Clear	Intact		
217	Second	369	0.19	Door Frame	B	Metal	Gray	Intact		
217	Second	370	0.01	Wall	A	Cinderblock	Off-White	Intact		
217	Second	371	0.07	Wall	C	Wallboard	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
217	Second	372	0.05	Wall	D	Metal	Off-White	Intact		
217	Second	373	0.02	Radiator	D	Metal	Off-White	Intact		
217	Second	374	0.08	Ceiling	Center	Plaster	Off-White	Intact		
217	Second	375	0	Cabinet	B	Wood	Clear	Intact		
226	Second	376	0.01	Door	D	Wood	Clear	Intact		
226	Second	377	0.18	Door Frame	D	Metal	Gray	Intact		
226	Second	378	0.09	Wall	A	Cinderblock	Off-White	Intact		
228	Second	380	0.02	Door	D	Wood	Clear	Intact		
228	Second	381	0.22	Door Frame	D	Metal	Gray	Intact		
228	Second	382	0.02	Wall	B	Plaster	Off-White	Intact		
228	Second	384	0.09	Ceiling	Center	Plaster	Off-White	Intact		
234	Second	385	0.01	Door	D	Wood	Clear	Intact		
234	Second	386	0.12	Door Frame	D	Metal	Gray	Intact		
234	Second	387	0.03	Wall	C	Plaster	Off-White	Intact		
234	Second	388	0.25	Door Frame	A	Metal	Gray	Intact		
234	Second	389	0	Door	C	Metal	Gray	Intact		
234	Second	390	0.16	Door Frame	C	Metal	Gray	Intact		
221	Second	391	0.07	Wall	A	Cinderblock	Off-White	Intact		
221	Second	392	0.1	Wall	B	Cinderblock	Off-White	Intact		
221	Second	393	0.03	Wall	D	Cinderblock	Off-White	Intact		
221	Second	394	0	Ceiling	Center	Plaster	Off-White	Intact		
221	Second	395	0.02	Radiator	B	Metal	Gray	Intact		
221	Second	396	0	Access Panel	B	Metal	Gray	Intact		
225	Second	397	0	Door	D	Wood	Clear	Intact		
225	Second	398	0.13	Door Frame	D	Metal	Gray	Intact		
225	Second	399	0.03	Wall	A	Cinderblock	Off-White	Intact		
225	Second	400	0.01	Wall	C	Cinderblock	Off-White	Intact		
225	Second	401	0.01	Wall	D	Cinderblock	Off-White	Intact		
225	Second	402	0.05	Wall	B	Metal	Off-White	Intact		
225	Second	403	0.01	Radiator	B	Metal	Off-White	Intact		
225	Second	404	0.04	Ceiling	Center	Plaster	Off-White	Intact		
225	Second	405	0.01	Cabinet	D	Wood	Clear	Intact		
224	Second	406	0	Door	D	Wood	Clear	Intact		
224	Second	407	0.26	Door Frame	D	Metal	Gray	Intact		
224	Second	408	0.02	Wall	A	Cinderblock	Off-White	Intact		
224	Second	409	0.03	Wall	C	Cinderblock	Off-White	Intact		
224	Second	410	0.01	Wall	D	Cinderblock	Off-White	Intact		
224	Second	411	0.02	Wall	B	Metal	Off-White	Intact		
224	Second	412	0.02	Radiator	B	Metal	Off-White	Intact		
224	Second	413	0.01	Ceiling	Center	Plaster	Off-White	Intact		
224	Second	414	0.01	Shelf	A	Wood	Clear	Intact		
224	Second	415	0	Cabinet	D	Wood	Clear	Intact		
223	Second	416	0	Door	D	Wood	Clear	Intact		
223	Second	417	0.14	Door Frame	D	Metal	Gray	Intact		
223	Second	418	0.01	Wall	A	Cinderblock	Off-White	Intact		
223	Second	419	0	Wall	C	Cinderblock	Off-White	Intact		
223	Second	420	0.02	Wall	D	Cinderblock	Off-White	Intact		
223	Second	421	0.02	Wall	B	Metal	Off-White	Intact		
223	Second	422	0.01	Radiator	B	Metal	Off-White	Intact		
223	Second	423	0.02	Ceiling	Center	Plaster	Off-White	Intact		
223	Second	424	0.01	Shelf	C	Wood	Clear	Intact		
223	Second	425	0	Cabinet	D	Wood	Clear	Intact		
222	Second	426	0	Door	D	Wood	Clear	Intact		
222	Second	427	0.09	Door Frame	D	Metal	Gray	Intact		
222	Second	428	0.01	Wall	A	Cinderblock	Off-White	Intact		
222	Second	429	0.03	Wall	C	Wallboard	Off-White	Intact		
222	Second	430	0.04	Wall	C	Metal	Off-White	Intact		
222	Second	431	0.06	Radiator	C	Metal	Off-White	Intact		
222	Second	432	0	Ceiling	Center	Plaster	Off-White	Intact		
222	Second	433	0.01	Cabinet	D	Wood	Clear	Intact		
227	Second	434	0.01	Door	B	Wood	Clear	Intact		
227	Second	435	0.13	Door Frame	B	Metal	Gray	Intact		
232	Second	438	0.06	Door	B	Wood	Clear	Intact		
232	Second	439	0.28	Door Frame	B	Metal	Gray	Intact		
232	Second	440	0.04	Wall	D	Plaster	Off-White	Intact		
233	Second	442	0.01	Door	B	Wood	Clear	Intact		
233	Second	444	0.05	Wall	D	Plaster	Off-White	Intact		
301	Third	445	0.06	Wall	A	Cinderblock	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
301	Third	446	0.14	Wall	B	Cinderblock	Off-White	Intact		
301	Third	447	0.04	Wall	C	Cinderblock	Off-White	Intact		
301	Third	448	0.22	Wall	D	Cinderblock	Off-White	Intact		
301	Third	449	0.07	Ceiling	Center	Cinderblock	Off-White	Intact		
335	Third	450	0	Door	A	Wood	Clear	Intact		
335	Third	451	0.23	Door Frame	A	Metal	Gray	Intact		
335	Third	452	0.1	Wall	A	Cinderblock	Off-White	Intact		
335	Third	453	0.1	Wall	C	Cinderblock	Off-White	Intact		
335	Third	454	0.07	Wall	D	Cinderblock	Off-White	Intact		
335	Third	455	0.09	Ceiling	Center	Plaster	Off-White	Intact		
335	Third	456	0.01	Cabinet	B	Wood	Brown	Intact		
335	Third	457	0	Pipe	C	Metal	Off-White	Intact		
306	Third	458	0	Door	A	Metal	Gray	Intact		
306	Third	459	0.3	Door Frame	A	Metal	Gray	Intact		
306	Third	460	0.17	Door Frame	C	Metal	Gray	Intact		
306	Third	461	0	Wall	B	Cinderblock	Off-White	Intact		
306	Third	462	0.02	Wall	D	Cinderblock	Off-White	Intact		
306	Third	463	0.04	Ceiling	Center	Plaster	Off-White	Intact		
306	Third	464	0.01	Radiator	B	Metal	Gray	Intact		
306	Third	465	0	Access Panel	B	Metal	Gray	Intact		
306	Third	466	0.01	Wall	D	Wood	Clear	Intact		
302	Third	467	0	Door	D	Wood	Clear	Intact		
302	Third	468	0.27	Door Frame	D	Metal	Gray	Intact		
302	Third	469	0.02	Wall	A	Cinderblock	Off-White	Intact		
302	Third	470	0.04	Wall	B	Cinderblock	Off-White	Intact		
302	Third	471	0.02	Wall	C	Cinderblock	Off-White	Intact		
302	Third	472	0.06	Wall	D	Cinderblock	Off-White	Intact		
302	Third	473	0.04	Wall	B	Metal	Off-White	Intact		
302	Third	474	0.02	Radiator	B	Metal	Off-White	Intact		
302	Third	475	0.02	Ceiling	Center	Plaster	Off-White	Intact		
302	Third	476	0	Shelf	A	Wood	Clear	Intact		
302	Third	477	0	Shelf	D	Wood	Off-White	Intact		
303	Third	478	0	Door	D	Wood	Clear	Intact		
303	Third	479	0.15	Door Frame	D	Metal	Gray	Intact		
303	Third	480	0.01	Wall	A	Cinderblock	Off-White	Intact		
303	Third	481	0.03	Wall	C	Cinderblock	Off-White	Intact		
303	Third	482	0.02	Wall	D	Cinderblock	Off-White	Intact		
303	Third	483	0.04	Wall	B	Metal	Off-White	Intact		
303	Third	484	0.05	Radiator	B	Metal	Off-White	Intact		
303	Third	485	0.01	Ceiling	Center	Plaster	Off-White	Intact		
303	Third	486	0	Shelf	C	Wood	Clear	Intact		
303	Third	487	0	Cabinet	D	Wood	Clear	Intact		
304	Third	488	0	Door	D	Wood	Clear	Intact		
304	Third	489	0.19	Door Frame	D	Metal	Off-White	Intact		
304	Third	490	0.1	Wall	A	Cinderblock	Off-White	Intact		
304	Third	491	0.02	Wall	B	Cinderblock	Off-White	Intact		
304	Third	492	0.04	Wall	C	Cinderblock	Off-White	Intact		
304	Third	493	0.02	Wall	D	Cinderblock	Off-White	Intact		
304	Third	494	0.01	Wall	B	Metal	Off-White	Intact		
304	Third	495	0.11	Radiator	B	Metal	Off-White	Intact		
304	Third	496	0.03	Ceiling	Center	Plaster	Off-White	Intact		
304	Third	497	0	Shelf	A	Wood	Clear	Intact		
304	Third	498	0	Cabinet	A	Wood	Clear	Intact		
305	Third	499	0.02	Door	A	Wood	Clear	Intact		
305	Third	500	0.4	Door Frame	A	Metal	Gray	Intact		
305	Third	501	0	Wall	A	Wallboard	Off-White	Intact		
305	Third	502	0.04	Wall	C	Cinderblock	Off-White	Intact		
305	Third	503	0	Wall	B	Metal	Off-White	Intact		
305	Third	504	0.03	Radiator	B	Metal	Off-White	Intact		
305	Third	505	0.04	Column	A	Concrete	Off-White	Intact		
305	Third	506	0.06	Ceiling	Center	Plaster	Off-White	Intact		
305	Third	507	0	Cabinet	D	Wood	Clear	Intact		
343	Third	508	0	Door	B	Wood	Clear	Intact		
343	Third	509	0.25	Door Frame	B	Metal	Gray	Intact		
343	Third	510	0.21	Wall	C	Cinderblock	Off-White	Intact		
343	Third	511	0.04	Ceiling	Center	Plaster	Off-White	Intact		
343	Third	512	0	Shelf	D	Wood	Off-White	Intact		
342	Third	513	0	Door	B	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
342	Third	514	0.2	Door Frame	B	Metal	Gray	Intact		
342	Third	515	0	Ceiling	Center	Plaster	Off-White	Intact		
342	Third	516	0	Wall	D	Plaster	Off-White	Intact		
336	Third	518	0.01	Door	B	Wood	Clear	Intact		
336	Third	519	0.14	Door Frame	B	Metal	Gray	Intact		
336	Third	520	0	Wall	D	Plaster	Off-White	Intact		
308	Third	522	0	Door	A	Metal	Gray	Intact		
308	Third	523	0.24	Door Frame	A	Metal	Gray	Intact		
308	Third	524	0.26	Door Frame	C	Metal	Gray	Intact		
308	Third	525	0.06	Wall	B	Cinderblock	Off-White	Intact		
308	Third	526	0.07	Wall	D	Cinderblock	Off-White	Intact		
308	Third	527	0.04	Ceiling	Center	Plaster	Off-White	Intact		
308	Third	528	0.05	Radiator	D	Metal	Gray	Intact		
308	Third	529	0	Access Panel	D	Metal	Gray	Intact		
308	Third	530	0	Wall	B	Wood	Clear	Intact		
308	Third	531	0.12	Access Panel	B	Metal	Off-White	Intact		
313	Third	532	0	Door	B	Wood	Clear	Intact		
313	Third	533	0.21	Door Frame	B	Metal	Gray	Intact		
313	Third	534	0.02	Wall	A	Cinderblock	Off-White	Intact		
313	Third	535	0.02	Wall	B	Cinderblock	Off-White	Intact		
313	Third	536	0.1	Wall	C	Cinderblock	Off-White	Intact		
313	Third	537	0.04	Ceiling	Center	Plaster	Off-White	Intact		
313	Third	538	0.02	Wall	D	Metal	Off-White	Intact		
313	Third	539	0.05	Radiator	D	Metal	Off-White	Intact		
313	Third	540	0	Shelf	A	Wood	Clear	Intact		
313	Third	541	0	Cabinet	B	Wood	Clear	Intact		
312	Third	542	0	Door	B	Wood	Clear	Intact		
312	Third	544	0.03	Wall	A	Cinderblock	Off-White	Intact		
312	Third	545	0.02	Wall	B	Cinderblock	Off-White	Intact		
312	Third	546	0.02	Wall	C	Cinderblock	Off-White	Intact		
312	Third	547	0.02	Ceiling	Center	Plaster	Off-White	Intact		
312	Third	548	0.01	Wall	D	Metal	Off-White	Intact		
312	Third	549	0.01	Radiator	D	Metal	Off-White	Intact		
312	Third	550	0	Shelf	C	Wood	Clear	Intact		
312	Third	551	0	Cabinet	B	Wood	Clear	Intact		
311	Third	552	0	Door	B	Wood	Clear	Intact		
311	Third	553	0.18	Door Frame	B	Metal	Gray	Intact		
311	Third	554	0.01	Wall	A	Cinderblock	Off-White	Intact		
311	Third	555	0.03	Wall	B	Cinderblock	Off-White	Intact		
311	Third	556	0.01	Wall	C	Cinderblock	Off-White	Intact		
311	Third	557	0.02	Wall	D	Metal	Off-White	Intact		
311	Third	558	0.07	Radiator	D	Metal	Off-White	Intact		
311	Third	559	0.01	Ceiling	Center	Plaster	Off-White	Intact		
311	Third	560	0.12	Shelf	A	Wood	Clear	Intact		
311	Third	561	0.01	Cabinet	B	Wood	Clear	Intact		
309	Third	562	0	Door	B	Wood	Clear	Intact		
309	Third	563	0.19	Door Frame	B	Metal	Gray	Intact		
309	Third	564	0.09	Wall	A	Wallboard	Off-White	Intact		
309	Third	565	0.08	Wall	C	Cinderblock	Off-White	Intact		
309	Third	566	0.02	Wall	B	Metal	Off-White	Intact		
309	Third	567	0.07	Radiator	D	Metal	Off-White	Intact		
309	Third	568	0.01	Ceiling	Center	Plaster	Off-White	Intact		
309	Third	569	0.01	Cabinet	B	Wood	Clear	Intact		
344	Third	570	0	Door	D	Wood	Clear	Intact		
344	Third	571	0.23	Door Frame	D	Metal	Gray	Intact		
344	Third	572	0.07	Wall	D	Cinderblock	Off-White	Intact		
344	Third	573	0.08	Shelf	B	Wood	Off-White	Intact		
338	Third	574	0.01	Door	D	Wood	Clear	Intact		
338	Third	576	0.01	Wall	B	Plaster	Off-White	Intact		
338	Third	578	0.01	Floor	Center	Ceramic	Off-White	Intact		
337	Third	579	0.01	Door	D	Wood	Clear	Intact		
337	Third	580	0.28	Door Frame	D	Metal	Gray	Intact		
337	Third	581	0.05	Wall	B	Plaster	Off-White	Intact		
337	Third	582	0.03	Ceiling	Center	Plaster	Off-White	Intact		
318	Third	583	0.07	Door Frame	A	Metal	Gray	Intact		
318	Third	584	0	Door	C	Metal	Gray	Intact		
318	Third	585	0.24	Door Frame	C	Metal	Gray	Intact		
318	Third	586	0.08	Wall	B	Cinderblock	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
318	Third	587	0.12	Wall	D	Cinderblock	Off-White	Intact		
318	Third	588	0.2	Ceiling	Center	Plaster	Off-White	Intact		
318	Third	589	0.09	Radiator	D	Metal	Gray	Intact		
318	Third	590	0	Access Panel	D	Metal	Gray	Intact		
314	Third	591	0.01	Door	B	Wood	Clear	Intact		
314	Third	592	0.23	Door Frame	B	Metal	Gray	Intact		
314	Third	593	0.03	Wall	A	Cinderblock	Gray	Intact		
314	Third	594	0.02	Wall	B	Cinderblock	Gray	Intact		
314	Third	595	0.12	Wall	C	Cinderblock	Gray	Intact		
314	Third	596	0.25	Wall	D	Metal	Off-White	Intact		
314	Third	597	0.03	Radiator	D	Metal	Off-White	Intact		
314	Third	598	0.06	Ceiling	Center	Plaster	Off-White	Intact		
314	Third	599	0.02	Shelf	C	Wood	Clear	Intact		
314	Third	600	0.04	Cabinet	B	Wood	Clear	Intact		
315	Third	601	0	Door	B	Wood	Clear	Intact		
315	Third	602	0.29	Door Frame	B	Metal	Gray	Intact		
315	Third	603	0.03	Wall	A	Cinderblock	Off-White	Intact		
315	Third	604	0.02	Wall	B	Cinderblock	Off-White	Intact		
315	Third	605	0.03	Wall	C	Cinderblock	Off-White	Intact		
315	Third	606	0.01	Wall	D	Metal	Off-White	Intact		
315	Third	607	0.03	Radiator	D	Metal	Off-White	Intact		
315	Third	608	0.07	Ceiling	Center	Plaster	Off-White	Intact		
315	Third	609	0.06	Shelf	A	Wood	Clear	Intact		
315	Third	610	0.03	Cabinet	B	Wood	Clear	Intact		
316	Third	611	0	Door	B	Wood	Clear	Intact		
316	Third	612	0.12	Door Frame	B	Metal	Gray	Intact		
316	Third	613	0.02	Wall	A	Cinderblock	Off-White	Intact		
316	Third	614	0.02	Wall	B	Cinderblock	Off-White	Intact		
316	Third	615	0.02	Wall	C	Cinderblock	Off-White	Intact		
316	Third	616	0.02	Wall	D	Metal	Off-White	Intact		
316	Third	617	0.03	Radiator	D	Metal	Off-White	Intact		
316	Third	618	0	Shelf	C	Wood	Clear	Intact		
316	Third	619	0	Cabinet	B	Wood	Clear	Intact		
317	Third	620	0.01	Door	B	Wood	Clear	Intact		
317	Third	621	0.26	Door Frame	B	Metal	Gray	Intact		
317	Third	623	0.02	Wall	C	Wallboard	Beige	Intact		
317	Third	624	0.05	Wall	D	Metal	Off-White	Intact		
317	Third	625	0.07	Radiator	D	Metal	Off-White	Intact		
317	Third	626	0.02	Ceiling	Center	Plaster	Off-White	Intact		
317	Third	627	0	Cabinet	B	Wood	Clear	Intact		
326	Third	628	0.01	Door	D	Wood	Clear	Intact		
326	Third	629	0.18	Door Frame	D	Metal	Gray	Intact		
326	Third	630	0.12	Wall	D	Cinderblock	Off-White	Intact		
326	Third	632	0.07	Ceiling	Center	Plaster	Off-White	Intact		
328	Third	633	0	Door	D	Wood	Clear	Intact		
328	Third	635	0	Wall	B	Plaster	Off-White	Intact		
334	Third	637	0.01	Door	D	Wood	Clear	Intact		
334	Third	638	0.16	Door Frame	D	Metal	Gray	Intact		
334	Third	639	0.11	Wall	D	Plaster	Off-White	Intact		
321	Third	640	0.19	Door Frame	A	Metal	Gray	Intact		
321	Third	641	0	Door	C	Metal	Gray	Intact		
321	Third	644	0.15	Wall	D	Cinderblock	Off-White	Intact		
321	Third	645	0.2	Ceiling	Center	Plaster	Off-White	Intact		
321	Third	646	0.02	Radiator	B	Metal	Gray	Intact		
321	Third	647	0	Access Panel	B	Metal	Gray	Intact		
321	Third	648	0	Wall	D	Wood	Clear	Intact		
325	Third	649	0	Door	D	Wood	Clear	Intact		
325	Third	650	0.21	Door Frame	D	Metal	Gray	Intact		
325	Third	651	0.04	Wall	A	Cinderblock	Off-White	Intact		
325	Third	652	0.03	Wall	B	Cinderblock	Off-White	Intact		
325	Third	653	0.01	Wall	C	Cinderblock	Off-White	Intact		
325	Third	654	0.01	Wall	D	Cinderblock	Off-White	Intact		
325	Third	655	0.02	Wall	B	Metal	Off-White	Intact		
325	Third	656	0.01	Radiator	B	Metal	Off-White	Intact		
325	Third	657	0	Shelf	A	Wood	Clear	Intact		
325	Third	658	0	Cabinet	D	Wood	Clear	Intact		
324	Third	659	0.02	Door	D	Wood	Clear	Intact		
324	Third	660	0.2	Door Frame	D	Metal	Gray	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
324	Third	661	0.14	Wall	A	Cinderblock	Off-White	Intact		
324	Third	662	0.05	Wall	C	Cinderblock	Off-White	Intact		
324	Third	663	0.07	Wall	D	Cinderblock	Off-White	Intact		
324	Third	664	0.01	Wall	B	Metal	Off-White	Intact		
324	Third	665	0.01	Radiator	B	Metal	Off-White	Intact		
324	Third	666	0.01	Ceiling	Center	Plaster	Off-White	Intact		
324	Third	667	0	Shelf	C	Wood	Clear	Intact		
324	Third	668	0	Cabinet	D	Wood	Clear	Intact		
323	Third	669	0	Door	D	Wood	Clear	Intact		
323	Third	670	0.15	Door Frame	D	Metal	Gray	Intact		
323	Third	671	0.04	Wall	A	Cinderblock	Off-White	Intact		
323	Third	672	0.03	Wall	C	Cinderblock	Off-White	Intact		
323	Third	673	0.03	Wall	D	Cinderblock	Off-White	Intact		
323	Third	674	0.06	Wall	B	Metal	Off-White	Intact		
323	Third	675	0.02	Radiator	B	Metal	Off-White	Intact		
323	Third	676	0.07	Ceiling	Center	Plaster	Off-White	Intact		
323	Third	677	0	Shelf	A	Wood	Clear	Intact		
323	Third	678	0	Cabinet	D	Wood	Clear	Intact		
322	Third	679	0	Door	D	Wood	Clear	Intact		
322	Third	680	0.19	Door Frame	D	Metal	Gray	Intact		
322	Third	681	0.24	Wall	A	Cinderblock	Off-White	Intact		
322	Third	682	0.03	Wall	C	Wallboard	Off-White	Intact		
322	Third	683	0.04	Wall	B	Metal	Off-White	Intact		
322	Third	684	0.1	Radiator	B	Metal	Off-White	Intact		
322	Third	685	0.01	Ceiling	Center	Plaster	Off-White	Intact		
322	Third	686	0.01	Cabinet	C	Wood	Clear	Intact		
327	Third	687	0.15	Door	B	Wood	Clear	Intact		
327	Third	688	0.08	Door Frame	B	Metal	Gray	Intact		
327	Third	689	0.11	Wall	B	Cinderblock	Off-White	Intact		
327	Third	690	0	Shelf	D	Wood	Off-White	Intact		
327	Third	691	0.04	Ceiling	Center	Plaster	Off-White	Intact		
332	Third	692	0	Door	B	Wood	Clear	Intact		
332	Third	694	0.02	Wall	B	Plaster	Off-White	Intact		
332	Third	696	0.08	Ceiling	Center	Plaster	Off-White	Intact		
333	Third	697	0.01	Door	B	Wood	Off-White	Intact		
333	Third	698	0.15	Door Frame	B	Metal	Gray	Intact		
333	Third	699	0.12	Wall	D	Plaster	Off-White	Intact		
333	Third	700	0.05	Ceiling	Center	Plaster	Off-White	Intact		
401	Fourth	702	0.05	Wall	B	Cinderblock	Off-White	Intact		
401	Fourth	704	0.07	Wall	D	Cinderblock	Off-White	Intact		
401	Fourth	705	0	Ceiling	Center	Plaster	Off-White	Intact		
435	Fourth	706	0	Door	A	Wood	Clear	Intact		
435	Fourth	707	0.21	Door Frame	A	Metal	Gray	Intact		
435	Fourth	708	0.4	Wall	A	Cinderblock	Cream	Intact		
435	Fourth	709	0.08	Wall	C	Cinderblock	Cream	Intact		
435	Fourth	710	0.25	Wall	D	Cinderblock	Cream	Intact		
435	Fourth	711	0.1	Ceiling	Center	Plaster	Cream	Intact		
435	Fourth	712	0.07	Ladder	C	Metal	Cream	Intact		
435	Fourth	713	0.01	Hatch	Center	Metal	Gray	Intact		
435	Fourth	714	0	Cabinet	C	Wood	Brown	Intact		
435	Fourth	715	0.03	Pipe	A	Paper	Cream	Intact		
406	Fourth	716	0	Door	A	Metal	Gray	Intact		
406	Fourth	717	0.2	Door Frame	A	Metal	Gray	Intact		
406	Fourth	718	0.17	Door Frame	C	Metal	Gray	Intact		
406	Fourth	720	0.04	Wall	D	Cinderblock	Off-White	Intact		
406	Fourth	721	0.04	Ceiling	Center	Plaster	Off-White	Intact		
406	Fourth	722	0.01	Radiator	B	Metal	Gray	Intact		
406	Fourth	723	0	Access Panel	B	Metal	Gray	Intact		
402	Fourth	724	0	Door	D	Wood	Clear	Intact		
402	Fourth	726	0.06	Wall	A	Cinderblock	Off-White	Intact		
402	Fourth	727	0.02	Wall	C	Cinderblock	Off-White	Intact		
402	Fourth	728	0.02	Wall	D	Cinderblock	Off-White	Intact		
402	Fourth	729	0.01	Wall	B	Metal	Off-White	Intact		
402	Fourth	730	0.01	Radiator	B	Metal	Off-White	Intact		
402	Fourth	731	0.06	Ceiling	Center	Plaster	Off-White	Intact		
402	Fourth	732	0.01	Shelf	A	Wood	Clear	Intact		
402	Fourth	733	0.01	Cabinet	D	Wood	Clear	Intact		
403	Fourth	734	0	Door	D	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
403	Fourth	735	0.13	Door Frame	D	Metal	Gray	Intact		
403	Fourth	736	0.01	Wall	A	Cinderblock	Off-White	Intact		
403	Fourth	737	0.03	Wall	C	Cinderblock	Off-White	Intact		
403	Fourth	738	0.05	Wall	D	Cinderblock	Off-White	Intact		
403	Fourth	739	0.01	Wall	B	Metal	Off-White	Intact		
403	Fourth	740	0.06	Radiator	B	Metal	Off-White	Intact		
403	Fourth	741	0.02	Ceiling	Center	Plaster	Off-White	Intact		
403	Fourth	742	0	Shelf	C	Wood	Clear	Intact		
403	Fourth	743	0	Cabinet	D	Wood	Clear	Intact		
404	Fourth	744	0	Door	D	Wood	Clear	Intact		
404	Fourth	745	0.07	Door Frame	D	Metal	Gray	Intact		
404	Fourth	746	0.02	Wall	A	Cinderblock	Off-White	Intact		
404	Fourth	747	0.06	Wall	C	Cinderblock	Off-White	Intact		
404	Fourth	748	0.03	Wall	D	Cinderblock	Off-White	Intact		
404	Fourth	749	0.07	Wall	B	Metal	Off-White	Intact		
404	Fourth	750	0.05	Radiator	B	Metal	Off-White	Intact		
404	Fourth	751	0.09	Ceiling	Center	Plaster	Off-White	Intact		
404	Fourth	752	0	Shelf	A	Wood	Clear	Intact		
404	Fourth	753	0	Cabinet	D	Wood	Clear	Intact		
405	Fourth	754	0	Door	D	Wood	Clear	Intact		
405	Fourth	755	0.15	Door Frame	D	Metal	Gray	Intact		
405	Fourth	756	0.09	Wall	A	Wallboard	Off-White	Intact		
405	Fourth	757	0.01	Wall	C	Cinderblock	Off-White	Intact		
405	Fourth	758	0.02	Wall	B	Metal	Off-White	Intact		
405	Fourth	759	0.01	Radiator	B	Metal	Off-White	Intact		
405	Fourth	760	0	Ceiling	Center	Plaster	Off-White	Intact		
405	Fourth	761	0.01	Cabinet	D	Wood	Clear	Intact		
443	Fourth	762	0	Door	B	Wood	Clear	Intact		
443	Fourth	764	0.06	Wall	B	Cinderblock	Off-White	Intact		
443	Fourth	765	0.07	Ceiling	Center	Plaster	Off-White	Intact		
443	Fourth	766	0	Shelf	D	Wood	Off-White	Intact		
442	Fourth	767	0	Door	B	Wood	Clear	Intact		
442	Fourth	768	0.21	Door Frame	B	Metal	Gray	Intact		
442	Fourth	769	0.01	Wall	D	Plaster	Off-White	Intact		
442	Fourth	771	0	Ceiling	Center	Plaster	Off-White	Intact		
436	Fourth	772	0.03	Door	B	Wood	Clear	Intact		
436	Fourth	773	0.12	Door Frame	B	Metal	Gray	Intact		
436	Fourth	774	0.03	Wall	D	Plaster	Off-White	Intact		
408	Fourth	775	0	Door	A	Metal	Gray	Intact		
408	Fourth	777	0.22	Door Frame	C	Metal	Gray	Intact		
408	Fourth	778	0.07	Wall	B	Cinderblock	Off-White	Intact		
408	Fourth	779	0.05	Wall	D	Cinderblock	Off-White	Intact		
408	Fourth	780	0.08	Ceiling	Center	Plaster	Off-White	Intact		
408	Fourth	781	0.01	Radiator	D	Metal	Gray	Intact		
408	Fourth	782	0.01	Access Panel	D	Metal	Gray	Intact		
408	Fourth	783	0	Wall	B	Wood	Clear	Intact		
413	Fourth	784	0	Door	B	Wood	Clear	Intact		
413	Fourth	786	0.02	Wall	A	Cinderblock	Off-White	Intact		
413	Fourth	787	0.02	Wall	B	Cinderblock	Off-White	Intact		
413	Fourth	788	0.01	Wall	C	Cinderblock	Off-White	Intact		
413	Fourth	789	0.07	Wall	D	Metal	Off-White	Intact		
413	Fourth	790	0.01	Radiator	D	Metal	Off-White	Intact		
413	Fourth	791	0.16	Ceiling	Center	Plaster	Off-White	Intact		
413	Fourth	792	0	Shelf	A	Wood	Clear	Intact		
413	Fourth	793	0	Cabinet	B	Wood	Clear	Intact		
412	Fourth	794	0	Door	B	Wood	Clear	Intact		
412	Fourth	795	0.25	Door Frame	B	Metal	Gray	Intact		
412	Fourth	796	0.04	Wall	A	Cinderblock	Off-White	Intact		
412	Fourth	797	0.01	Wall	B	Cinderblock	Off-White	Intact		
412	Fourth	798	0.01	Wall	C	Cinderblock	Off-White	Intact		
412	Fourth	800	0.03	Radiator	D	Metal	Off-White	Intact		
412	Fourth	801	0.03	Ceiling	Center	Plaster	Off-White	Intact		
412	Fourth	802	0	Shelf	C	Wood	Clear	Intact		
412	Fourth	803	0	Cabinet	B	Wood	Clear	Intact		
411	Fourth	804	0	Door	B	Wood	Clear	Intact		
411	Fourth	805	0.18	Door Frame	B	Metal	Gray	Intact		
411	Fourth	806	0.02	Wall	A	Cinderblock	Off-White	Intact		
411	Fourth	807	0.01	Wall	B	Cinderblock	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
411	Fourth	808	0.02	Wall	C	Cinderblock	Off-White	Intact		
411	Fourth	809	0.01	Wall	D	Metal	Off-White	Intact		
411	Fourth	810	0.01	Radiator	D	Metal	Off-White	Intact		
411	Fourth	811	0.01	Ceiling	Center	Plaster	Off-White	Intact		
411	Fourth	812	0	Shelf	A	Wood	Clear	Intact		
411	Fourth	813	0	Shelf	A	Wood	Clear	Intact		
411	Fourth	814	0	Cabinet	B	Wood	Clear	Intact		
409	Fourth	815	0	Door	B	Wood	Clear	Intact		
409	Fourth	817	0.05	Wall	A	Wallboard	Off-White	Intact		
409	Fourth	818	0.07	Wall	C	Cinderblock	Off-White	Intact		
409	Fourth	819	0.01	Wall	D	Metal	Off-White	Intact		
409	Fourth	820	0.06	Radiator	D	Metal	Off-White	Intact		
409	Fourth	821	0	Cabinet	B	Wood	Clear	Intact		
444	Fourth	822	0	Door	D	Wood	Clear	Intact		
444	Fourth	823	0.19	Door Frame	D	Metal	Gray	Intact		
444	Fourth	824	0.06	Door Frame	D	Cinderblock	Off-White	Intact		
444	Fourth	825	0	Shelf	B	Wood	Off-White	Intact		
438	Fourth	826	0.01	Door	D	Wood	Clear	Intact		
438	Fourth	827	0.27	Door Frame	D	Metal	Gray	Intact		
438	Fourth	828	0.05	Wall	D	Plaster	Off-White	Intact		
438	Fourth	830	0.02	Ceiling	Center	Plaster	Off-White	Intact		
437	Fourth	831	0	Door	D	Wood	Clear	Intact		
437	Fourth	832	0.26	Door Frame	D	Metal	Gray	Intact		
437	Fourth	833	0.12	Wall	D	Plaster	Off-White	Intact		
418	Fourth	834	0.19	Door Frame	A	Metal	Gray	Intact		
418	Fourth	835	0	Door	C	Metal	Gray	Intact		
418	Fourth	836	0.14	Door Frame	C	Metal	Gray	Intact		
418	Fourth	838	0.05	Wall	D	Cinderblock	Off-White	Intact		
418	Fourth	839	0.06	Ceiling	Center	Plaster	Off-White	Intact		
418	Fourth	840	0.02	Radiator	D	Metal	Gray	Intact		
418	Fourth	841	0	Access Panel	D	Metal	Gray	Intact		
414	Fourth	842	0	Door	B	Wood	Clear	Intact		
414	Fourth	843	0.24	Door Frame	B	Metal	Gray	Intact		
414	Fourth	844	0.01	Wall	A	Cinderblock	Off-White	Intact		
414	Fourth	845	0.03	Wall	B	Cinderblock	Off-White	Intact		
414	Fourth	846	0.01	Wall	C	Cinderblock	Off-White	Intact		
414	Fourth	847	0.02	Wall	D	Metal	Off-White	Intact		
414	Fourth	848	0.02	Radiator	D	Metal	Off-White	Intact		
414	Fourth	849	0.03	Ceiling	Center	Plaster	Off-White	Intact		
414	Fourth	850	0.22	Shelf	A	Wood	Clear	Intact		
414	Fourth	851	0	Cabinet	B	Wood	Clear	Intact		
415	Fourth	852	0	Door	B	Wood	Clear	Intact		
415	Fourth	853	0.26	Door Frame	B	Metal	Gray	Intact		
415	Fourth	854	0.17	Wall	A	Cinderblock	Off-White	Intact		
415	Fourth	855	0.01	Wall	B	Cinderblock	Off-White	Intact		
415	Fourth	856	0.07	Wall	C	Cinderblock	Off-White	Intact		
415	Fourth	857	0.02	Wall	D	Metal	Off-White	Intact		
415	Fourth	858	0.02	Radiator	D	Metal	Off-White	Intact		
415	Fourth	859	0.01	Ceiling	Center	Plaster	Off-White	Intact		
415	Fourth	860	0.01	Shelf	C	Wood	Clear	Intact		
415	Fourth	861	0	Cabinet	B	Wood	Clear	Intact		
416	Fourth	862	0	Door	B	Wood	Clear	Intact		
416	Fourth	863	0.13	Door Frame	B	Metal	Gray	Intact		
416	Fourth	864	0.01	Wall	A	Cinderblock	Off-White	Intact		
416	Fourth	865	0.03	Wall	B	Cinderblock	Off-White	Intact		
416	Fourth	866	0.01	Wall	C	Cinderblock	Off-White	Intact		
416	Fourth	867	0.06	Wall	D	Metal	Off-White	Intact		
416	Fourth	868	0.01	Radiator	D	Metal	Off-White	Intact		
416	Fourth	869	0.01	Ceiling	Center	Plaster	Off-White	Intact		
416	Fourth	870	0	Shelf	A	Wood	Clear	Intact		
416	Fourth	871	0	Cabinet	B	Wood	Clear	Intact		
417	Fourth	872	0	Door	B	Wood	Clear	Intact		
417	Fourth	873	0.25	Door Frame	B	Metal	Gray	Intact		
417	Fourth	874	0.28	Wall	A	Cinderblock	Off-White	Intact		
417	Fourth	875	0	Wall	C	Wallboard	Off-White	Intact		
417	Fourth	876	0.01	Wall	D	Metal	Off-White	Intact		
417	Fourth	877	0.01	Radiator	D	Metal	Off-White	Intact		
417	Fourth	878	0.01	Ceiling	Center	Plaster	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
417	Fourth	879	0	Cabinet	B	Wood	Clear	Intact		
426	Fourth	880	0.02	Door	D	Wood	Clear	Intact		
426	Fourth	881	0.24	Door Frame	D	Metal	Gray	Intact		
426	Fourth	882	0.05	Wall	D	Cinderblock	Off-White	Intact		
426	Fourth	883	0.08	Ceiling	Center	Plaster	Off-White	Intact		
426	Fourth	884	0.01	Shelf	B	Wood	Off-White	Intact		
428	Fourth	885	0.01	Door	D	Wood	Clear	Intact		
428	Fourth	887	0	Wall	B	Plaster	Off-White	Intact		
434	Fourth	889	0.02	Door	D	Wood	Clear	Intact		
434	Fourth	890	0.15	Door Frame	D	Metal	Gray	Intact		
434	Fourth	891	0.08	Wall	D	Plaster	Off-White	Intact		
421	Fourth	892	0.21	Door Frame	A	Metal	Gray	Intact		
421	Fourth	893	0	Door	C	Metal	Gray	Intact		
421	Fourth	894	0.28	Door Frame	C	Metal	Gray	Intact		
421	Fourth	895	0.03	Wall	B	Cinderblock	Off-White	Intact		
421	Fourth	896	0.05	Wall	D	Cinderblock	Off-White	Intact		
421	Fourth	898	0.02	Radiator	B	Metal	Gray	Intact		
421	Fourth	899	0.03	Access Panel	B	Metal	Gray	Intact		
425	Fourth	900	0	Door	D	Wood	Clear	Intact		
425	Fourth	901	0.08	Door Frame	D	Metal	Gray	Intact		
425	Fourth	902	0.08	Wall	A	Cinderblock	Off-White	Intact		
425	Fourth	903	0.01	Wall	C	Cinderblock	Off-White	Intact		
425	Fourth	904	0.01	Wall	D	Cinderblock	Off-White	Intact		
425	Fourth	905	0.02	Wall	B	Metal	Off-White	Intact		
425	Fourth	906	0.01	Radiator	B	Metal	Off-White	Intact		
425	Fourth	907	0.01	Shelf	A	Wood	Clear	Intact		
425	Fourth	908	0	Cabinet	D	Wood	Clear	Intact		
424	Fourth	909	0	Door	D	Wood	Clear	Intact		
424	Fourth	911	0.22	Door Frame	D	Metal	Gray	Intact		
424	Fourth	912	0.03	Wall	A	Cinderblock	Off-White	Intact		
424	Fourth	913	0.04	Wall	C	Cinderblock	Off-White	Intact		
424	Fourth	914	0.13	Wall	D	Cinderblock	Off-White	Intact		
424	Fourth	915	0.02	Wall	B	Metal	Off-White	Intact		
424	Fourth	916	0.02	Radiator	B	Metal	Off-White	Intact		
424	Fourth	917	0.01	Ceiling	Center	Plaster	Off-White	Intact		
424	Fourth	918	0.01	Shelf	C	Wood	Clear	Intact		
424	Fourth	919	0	Cabinet	D	Wood	Clear	Intact		
423	Fourth	920	0	Door	D	Wood	Clear	Intact		
423	Fourth	921	0.21	Door Frame	D	Metal	Gray	Intact		
423	Fourth	922	0.15	Wall	A	Cinderblock	Off-White	Intact		
423	Fourth	923	0.04	Wall	C	Cinderblock	Off-White	Intact		
423	Fourth	924	0.02	Wall	D	Cinderblock	Off-White	Intact		
423	Fourth	925	0	Wall	B	Metal	Off-White	Intact		
423	Fourth	926	0.01	Radiator	B	Metal	Off-White	Intact		
423	Fourth	927	0.02	Ceiling	Center	Plaster	Off-White	Intact		
423	Fourth	928	0	Shelf	A	Wood	Clear	Intact		
423	Fourth	929	0	Cabinet	D	Wood	Clear	Intact		
422	Fourth	930	0	Door	D	Wood	Clear	Intact		
422	Fourth	931	0.17	Door Frame	D	Metal	Gray	Intact		
422	Fourth	932	0.07	Wall	A	Cinderblock	Off-White	Intact		
422	Fourth	933	0.04	Wall	C	Wallboard	Off-White	Intact		
422	Fourth	934	0.05	Wall	B	Metal	Off-White	Intact		
422	Fourth	935	0.01	Radiator	B	Metal	Off-White	Intact		
422	Fourth	936	0.04	Ceiling	Center	Plaster	Off-White	Intact		
422	Fourth	937	0	Cabinet	D	Wood	Clear	Intact		
427	Fourth	938	0.02	Door	B	Wood	Clear	Intact		
427	Fourth	940	0.08	Wall	A	Cinderblock	Off-White	Intact		
427	Fourth	941	0.08	Ceiling	Center	Plaster	Off-White	Intact		
427	Fourth	942	0.04	Shelf	D	Wood	Off-White	Intact		
432	Fourth	943	0.01	Door	B	Wood	Off-White	Intact		
432	Fourth	944	0.27	Door Frame	B	Metal	Gray	Intact		
432	Fourth	945	0	Wall	D	Plaster	Off-White	Intact		
433	Fourth	947	0.03	Door	B	Wood	Clear	Intact		
433	Fourth	948	0.25	Door Frame	B	Metal	Gray	Intact		
433	Fourth	949	0.07	Wall	D	Plaster	Off-White	Intact		
433	Fourth	950	0.06	Ceiling	Center	Plaster	Off-White	Intact		
Exterior	Fourth	951	0	Door	A	Metal	Brown	Intact		
Exterior	Fourth	952	0.16	Door Frame	A	Metal	Brown	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
Exterior	First	953	0.01	Handrail	A	Metal	Brown	Intact		
Exterior	First	954	0.21	Door	B	Metal	Brown	Intact		
Exterior	First	955	0.22	Door	B	Metal	Brown	Intact		
Exterior	First	956	0.22	Door Frame	B	Metal	Brown	Intact		
Exterior	First	957	0.17	Door Frame	B	Metal	Brown	Intact		
Exterior	First	958	0	Pipe	B	Metal	Gray	Intact		
Exterior	First	959	0.18	Door	C Right	Metal	Brown	Intact		
Exterior	First	961	0	Control Box	C Right	Metal	Gray	Intact		
Exterior	First	962	0	Door	C	Metal	Brown	Intact		
Exterior	First	963	0.28	Window Frame	C	Metal	Brown	Intact		
Exterior	First	964	0.05	Door	D	Metal	Brown	Intact		
Exterior	First	965	0.07	Door	D	Metal	Brown	Intact		
Exterior	First	966	0.17	Door Frame	D	Metal	Brown	Intact		
Exterior	First	967	0.18	Door Frame	D	Metal	Brown	Intact		

Note 1: A=North, B=East, C=South, D=West

HAZARDOUS MATERIALS INSPECTION
FOR THE

STANSBURY HALL

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

WEBER STATE UNIVERSITY

February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
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Hazardous Materials Inspection

Stansbury Hall
Weber State University
Ogden, Utah

During December 2009, Jon Craig of R & R Environmental, Inc., conducted a hazardous materials inspection of the Stansbury Hall located at Weber State University, Ogden, Utah. The purpose of this survey was to identify the existence, extent, and condition of hazardous materials. The inspection was conducted based on a agreement with Mr. Robert J. Anderson, State of Utah Division of Facility Construction and Management (DFCM), Hazardous Material Manager.

Hazardous materials requiring proper removal and disposal was identified at the Stansbury Hall, Weber State University, Ogden, Utah as follows:

Material	Location	Quantity	Unit Cost
PCB Ballast	Throughout	154 units	$1.00/lbs. (avg. 5lbs./unit)
Fluorescent Light	Throughout	308 tubes	$0.50/linear foot

The State of Utah's DFCM policy requires the items above to be removed and disposed of at a facility approved to accept such waste prior to demolition. This may or may not be applied to the city of Ogden, Weber County, but R & R Environmental, Inc. recommends removal and proper disposal of these components prior to any demolition activities.

The cost estimate to remove and dispose of these hazardous materials is estimated at approximately **$1,386.00**. This cost estimate does not include transportation, removal, design, or management fees associated with dismantling and packaging the materials.