



State of Utah

GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD  
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON  
Director

## ADDENDUM #2

Date: April 28, 2010

To: Contractors

From: Michael Ambre, Project Manager, DFCM

Reference: Extended Education Building Improvements  
Utah Valley University – Orem, Utah  
Project No.10011790

Subject: **Addendum No. 2**

Pages	Addendum Coversheet	1 page
	<u>Architects Addendum</u>	<u>14 pages</u>
	Total	15 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 changes to the project schedule.

**2.2 GENERAL** – P+A Architects – Please see attached. This project is tax exempt.

**Utah!**  
Where ideas connect

ADDENDUM NO. 2

Date: April 28th, 2009

PROJECT:

Utah Valley University  
Extended Education Building  
Interior Remodel  
Orem, Utah

ARCHITECT:

P+A ARCHITECTS  
821 EAST KENSINGTON AVENUE  
SALT LAKE CITY, UT 84105

The original Contract Documents issued for the above noted project are amended as noted in this Addendum. It shall be the sole responsibility of the bidder to appropriately disseminate this information to all concerned prior to the assigned bid time and date, and to coordinate the Addendum with the Contract Documents.

This Addendum consists of a total of Fourteen (14) 8 ½" x 11" documents, including this document

If there are still unresolved questions after examining this addendum, please submit those questions via telephone or facsimile as soon as possible so that an addendum can be issued to clarify those issues in a timely manner.

Architectural:

- I. None

Mechanical:

- I. See attached mechanical addenda no. 2.

Electrical:

- I. See attached electrical addenda no. 2

End of Addendum 2

## ADDENDUM

**DATE:** April 28, 2010  
**PROJECT NO:** 10096  
**PROJECT:** UVU Extended Education  
Building

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### DIVISION - 15

#### DRAWINGS

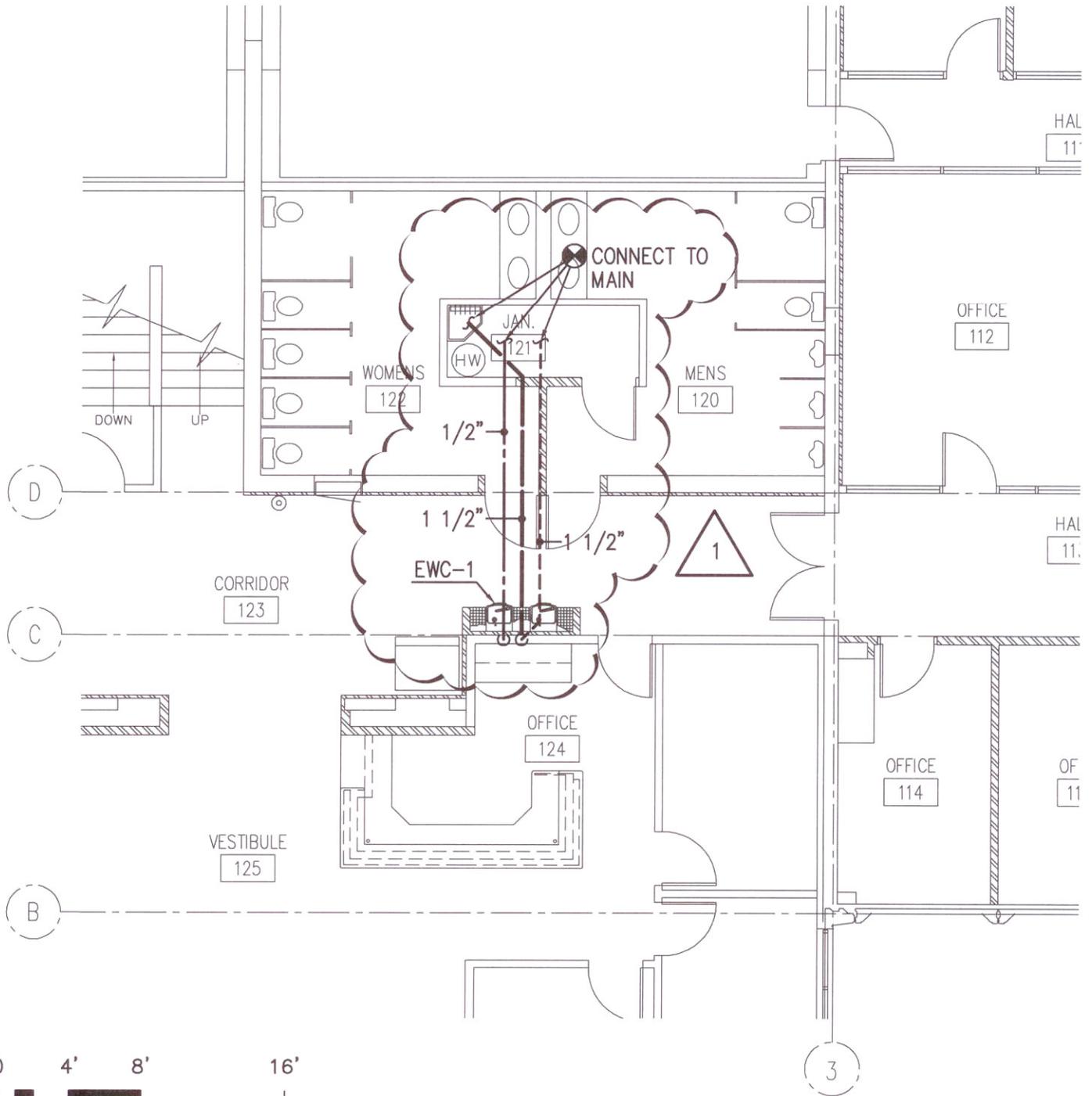
##### SHEET - M-100

1. Extend and connect new supply and return grilles in Office 100. Balance diffusers to CFM shown on supplementary drawing. 10/10 return duct shall be 12/12. See attached supplementary drawing for duct sizes, locations, CFM, etc.
2. Extend 1/2" domestic cold water line from existing mains in Janitor 121, and connect to new Electric Water Cooler, EWC-1. Coordinate exact location of existing piping with existing conditions. Patch and repair damaged ceiling, walls, etc. due to construction to match existing. See supplementary drawing and attached specification.
3. Extend 1-1/2" waste and 1-1/2" vent line from existing mains in Janitor 121, and connect to new Electric Water Cooler, EWC-1. Coordinate exact location of existing piping with existing conditions. Patch and repair damaged ceiling, walls, etc. due to construction to match existing. See supplementary drawing and attached specification.
4. General note 4 shall read, "Provide type L copper water with wrought copper fittings and soldered joints. Insulate with 1" fibreglass insulation with ASJ.
5. General note 5 shall read, "Provide service weight cast iron no-hub piping for waste and vent pipe above grade."
6. General note 6 shall read, "Provide service weight cast iron single hug piping with push on gasketed joints for waste piping below grade."

#### SPECIFICATIONS

##### SECTION - 15400

1. See attached specification for Plumbing Fixtures.



△ 1 ADDEMDUM #02



AI  
M-100

# MECHANICAL FLOOR PLAN

SCALE 1/8" = 1'-0"

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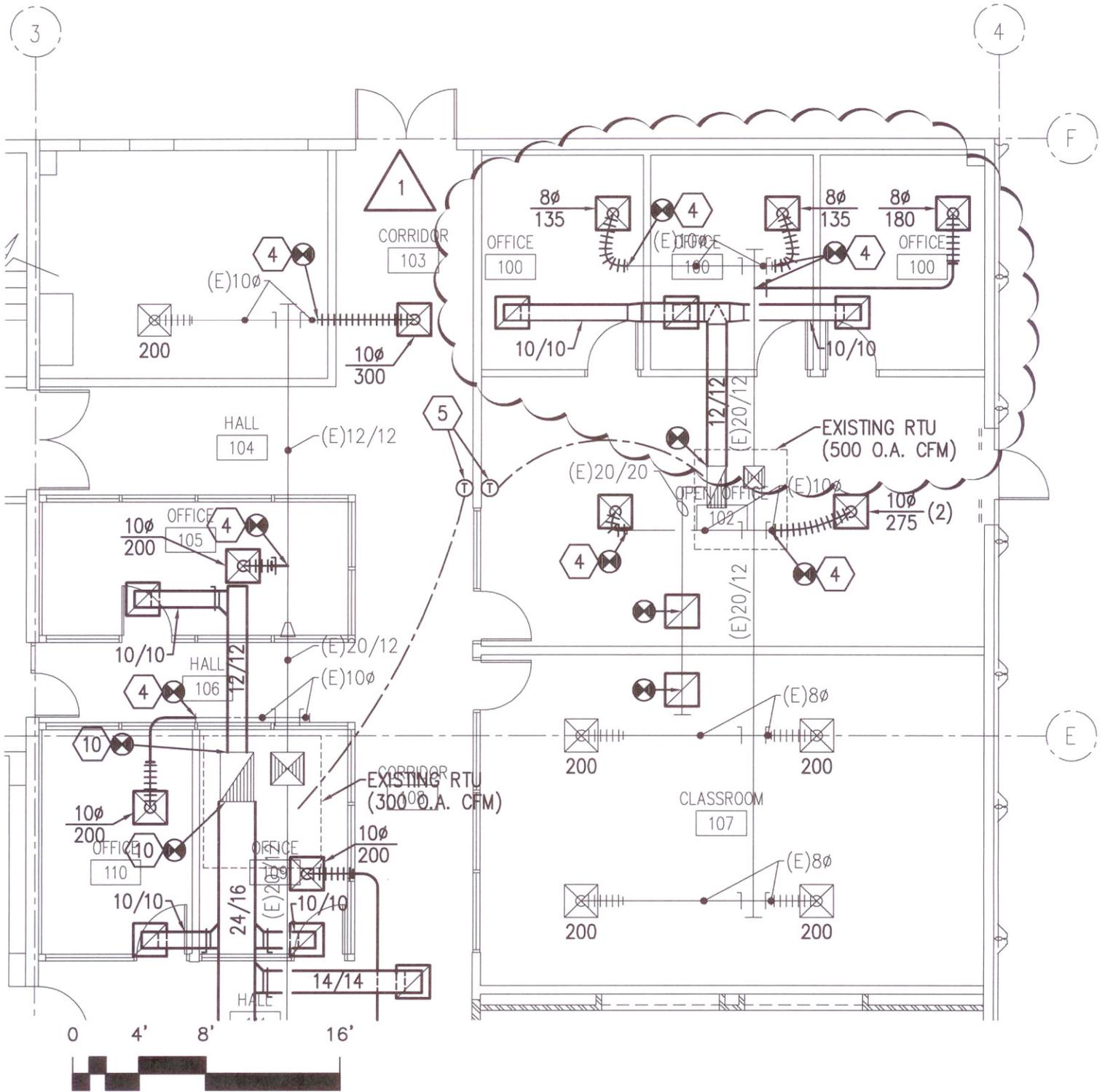
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VUU EXTENDED EDUCATION BUILDING

VBFA PROJECT #: 010096  
CHECKED BY: Shephardbeck  
DRAWN BY: Ejuarez  
CURRENT/REV DATE: 04-27-10  
SHEET CONTENTS

SHEET DESCRIPTION  
MECHANICAL FLOOR PLAN

**SD-01**  
**M-100**



1 ADDEMDUM #02



# MECHANICAL FLOOR PLAN

SCALE 1/8" = 1'-0"



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VBFA PROJECT #: 010086  
CHECKED BY: Sarah Ward-Book  
DRAWN BY: Ejlantz  
CURRENT/REV DATE: 04-27-10  
SHEET CONTENTS

SHEET DESCRIPTION  
MECHANICAL  
FLOOR PLAN

**SD-02  
M-100**



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**UVU EXTENDED EDUCATION BUILDING**

PLUMBING FIXTURE SCHEDULE						
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES
EWC-1	ELECTRIC WATER COOLER	1/2	--	1 1/2	1 1/2	--

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.



ADDEMDUM #02

VBFA PROJECT #: 010066  
CHECKED BY: Subghedat/beck  
DRAWN BY: Ejairez  
CURRENT/ISSUE DATE: 04-27-10  
SHEET CONTENTS

**SHEET DESCRIPTION  
MECHANICAL  
SCHEDULE**

**SD-01  
M-501**

**SECTION 15400 - DRINKING FOUNTAINS**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes drinking fountains and related components.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of drinking fountain.
  - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
  - 2. Include operating characteristics, and furnished specialties and accessories.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For drinking fountains to include in maintenance manuals.

PART 2 - PRODUCTS

- A. Drinking Fountains: Stainless steel, recessed.
  - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
    - a. Elkay Manufacturing Co.
    - b. Filtrine Manufacturing Company.
    - c. Halsey Taylor.
    - d. Haws Corporation.  
Water Cooler: Elkay model EZSTL8C wall mounted, water cooler. One piece stainless steel top and receptor; welded steel frame and baked enameled panels; hermetically sealed motor compressor with overload protection, 1/5 HP 115V/single phase/60 cycle; fan cooled condenser; permanently lubricated fan motor; cooler shall deliver 8 gph of 50°F drinking water with 80°F inlet temperature and 90°F room temperature.
  - 2. Standard: Comply with NSF 61.
  - 3. Drain: Grid with **NPS 1-1/4 (DN 32)** minimum horizontal waste and trap, complying with ASME A112.18.2/CSA B125.2.
  - 4. Supply: **NPS 3/8 (DN 10)** with shutoff valve.

Utah Valley University  
Extended Education Building Interior Remodel  
Division of Facilities Construction Management

5. Support: Mounting frame or brackets for attaching to substrate.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine roughing-in for water-supply and sanitary drainage and vent piping systems to verify actual locations of piping connections before fixture installation.
- B. Examine walls and floors for suitable conditions where fixtures will be installed.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.2 INSTALLATION

- A. Install fixtures level and plumb according to roughing-in drawings. For fixtures indicated for children, install at height required by authorities having jurisdiction.
- B. Install recessed drinking fountains secured to wood blocking in wall construction.
- C. Install off-the-floor carrier supports, affixed to building substrate, for wall-mounted fixtures.
- D. Install water-supply piping with shutoff valve on supply to each fixture to be connected to domestic-water distribution piping. Use ball, gate, or globe valve. Install valves in locations where they can be easily reached for operation. Install trap and waste piping on drain outlet of each fixture to be connected to sanitary drainage system.
- E. Install wall flanges or escutcheons at piping wall penetrations in exposed, finished locations. Use deep-pattern escutcheons where required to conceal protruding fittings. Seal joints between fixtures and walls using sanitary-type, one-part, mildew-resistant, silicone sealant.

#### 3.3 CONNECTIONS

- A. Connect fixtures with water supplies, stops, and risers, and with traps, soil, waste, and vent piping. Use size fittings required to match fixtures.
- B. Install ball, gate, or globe shutoff valve on water supply to each fixture.
- C. Comply with soil and waste piping requirements.

#### 3.4 ADJUSTING

- A. Adjust fixture flow regulators for proper flow and stream height.

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3.5 CLEANING

- A. After installing fixtures, inspect unit. Remove paint splatters and other spots, dirt, and debris. Repair damaged finish to match original finish.
- B. Clean fixtures, on completion of installation, according to manufacturer's written instructions.
- C. Provide protective covering for installed fixtures.
- D. Do not allow use of fixtures for temporary facilities unless approved in writing by Owner.

3.6 FIXTURE SCHEDULE

- EWC-1 Electric Water Cooler: Elkay EZSTL8C dual station, wall mounted, carrier free, ADA electric water cooler with flexible bubbler guard, stainless steel bowls and control buttons on front and sided. Compressor to be 115V, 60 Hz with capacity to deliver at least 8.0 GPH of 5F water. 1-1/2" cast brass chrome-plated p-traps. ADA side to be on the left.

END OF SECTION 15400

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**ADDENDUM 02**

**DATE:** April 28, 2010  
**PROJECT NO:** 10096  
**PROJECT:** UVU Extended Education  
Building

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**DIVISION - 16**

**Drawings:**

SHEET - E001 Symbol schedule E100 lighting plan, E300, and E200 power plan.  
1. Please see the attached supplemental drawings for more information.

Document8

PANEL	VOLTAGE	208Y/120	PHASE 3 WIRES	4	FLUSH	X	TOP	FEED	225 AMP MAINS	20" W	5.75" D	SPECIAL EQUIPMENT		
P5												X GROUND BUS		
NOOD												SUB-FEED BRKR		
RECEIVING AREA												NEMA 3R		
LOCATION												SURGE PROTECTOR		
CIR NO.	DESCRIPTION	CODELTS/CO	MIS P	BRKR AMP	WIRE SIZE	LOAD	VA DIV	AMPS	30 KVA	AV. AMPS	83 A	CIRCUIT	DESCRIPTION	CIR NO.
1	CLASSROOM	18	1	20	10	1728	12924	93	10749	11888	82	540	OFFICE 132/133	2
3	CORRIDOR/OFFICE	19	1	20	10	1152	11127	74	8888	9667	83 A	360	RECEPTION 130	4
5	CORRIDOR 108	22	1	20	10	1088						1200	VENDING CO	6
7	OFFICE LTS	12	1	20	12	1216						1000	WTR COOLER	8
9	VESTIBULE 125	22	1	20	10	832						500	CORRIDOR TV	10
11	NE OPEN OFFICE	15	1	20	10	960						720	RECEPTION 113	12
13	SYST FURN		1	20	12	1200						360	RECEPTION 113	14
15	SYST FURN		1	20	12	1200						1500	MEDIA RM COS	16
17	SYST FURN		1	20	12	1200						1500	MEDIA RM COS	18
19	SYST FURN		1	20	12	1200						1500	MEDIA RM COS	20
21	OFFICE COS	2	1	20	12	360						1500	MEDIA RM COS	22
23	OFFICE COS	2	1	20	12	360						540	CLASSROOM CO	24
25	OFFICE COS	3	1	20	12	540						1200	CLASSROOM CO	26
27	OFFICE/RECEPTION	14	1	20	12	705						1200	CLASSROOM CO	28
29	OFFICE COS	4	1	20	10	720						500	MEDIA COS	30
31	OFFICE COS	5	1	20	10	900						720	OFFICE COS	32
33	OFFICE COS	4	1	20	10	720						1680	AC-1	34
35	OFFICE COS	4	1	20	10	720						500	CORRIDOR TV	36
37	OFFICE COS	3	1	20	10	540						20	SPARE	38
39	SPARE		1	20								20	SPARE	40
41	SPARE		1	20								20	SPARE	42

THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED TO 75°C.  
 4 = PROVIDE LOCK OFF DEVICE

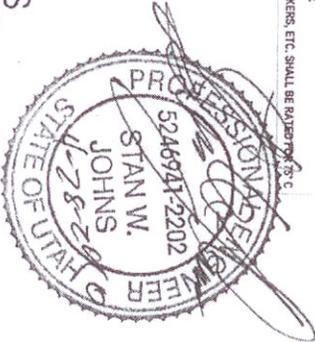


ELECTRICAL DETAILS & SCHEDULES

SCALE: NONE



04.28.10 ADDENDUM #2



SD-01  
E300

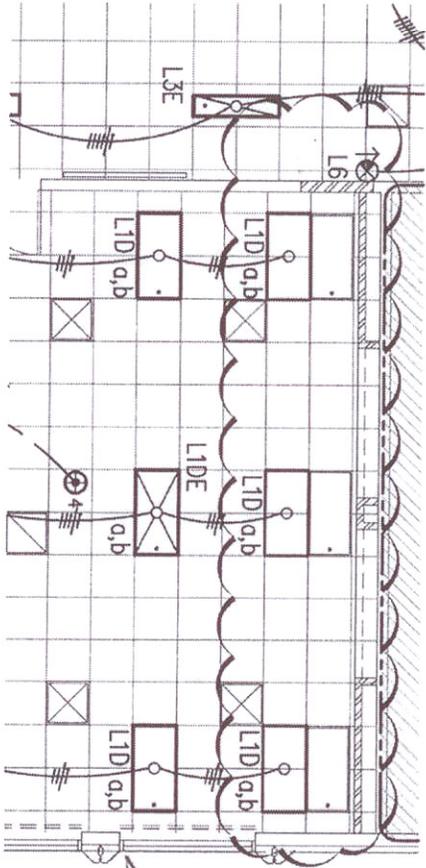
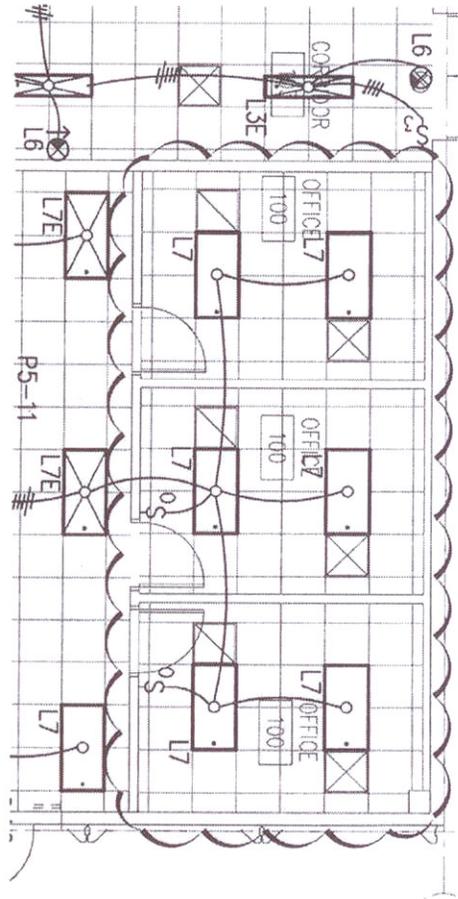
VERA PROJECT #	10096
CHECKED BY:	SJ
DRAWN BY:	KM
CURRENT/REV DATE:	04/28/10
SHEET COMMENTS	

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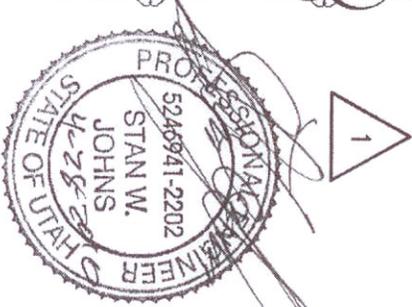


LIGHTING PLAN  
SCALE: 1/8" = 1'-0"



04.28.10 ADDENDUM #2

SD-01  
E100



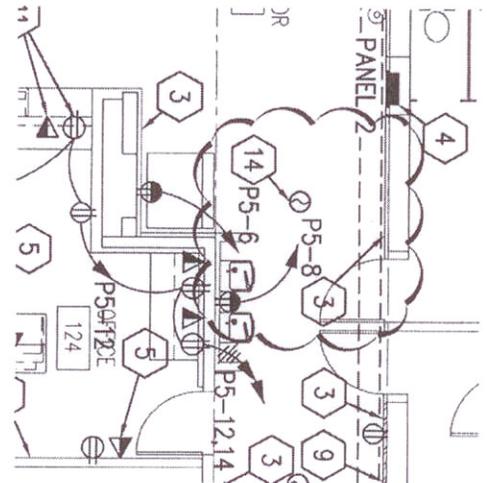
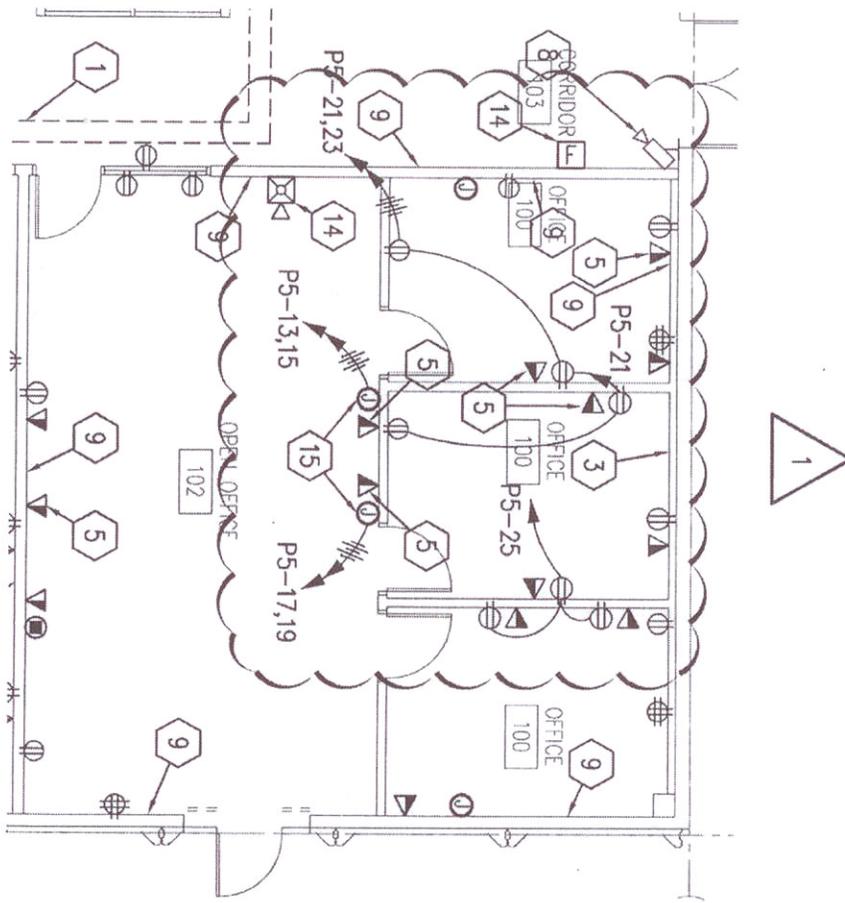
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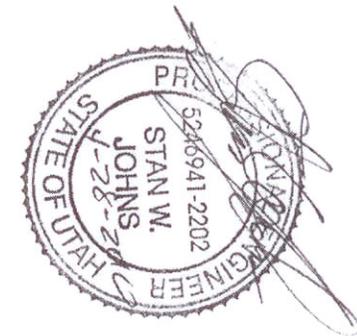
VBA PROJECT #	10296
DRAWN BY	SJ
CHECKED BY	KM
DATE	4/28/10
SHEET CONTENTS	LIGHTING PLAN



**POWER PLAN**  
 SCALE: 1/8" = 1'-0"

04.28.10 ADDENDUM #2

**SD-02**  
**E200**



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**INTERIOR REMODEL**

VBEA PROJECT #	1056
CHECKED BY:	SM
DRAWN BY:	KM
CURRENT REVISION DATE:	04/28/10
SHEET CONTENTS	
<b>POWER PLAN</b>	

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**MEMORANDUM**

**DATE:** April 27, 2010

**TO:** Scott Prior AIA  
P+A Architects  
P: 801.484.1161  
F: 801.485.4640

**FROM:** Ryan Van Voast

**PROJECT NO.** 10096

**PROJECT:** UVU Extended Education building

**RE:** DFCM review comment responses

J. Howard Van Boerum, P.E.  
John D. Frank, P.E.  
Kim P. Harris, P.E.  
David P. Baranowski, P.E.  
Richard G. Reeder, P.E.  
Joseph V. Simmons, P.E.  
Byron R. Torgersen, P.E.  
Jeffrey S. Watkins, P.E.  
Donald K. Bradshaw, P.E.  
Benjamin L. Davis, P.E.  
Ladd M. Birch, P.E.  
Michael S. Mooney  
Neil H. Spencer, P.E.  
Wade W. Bennion, P.E.  
Steven T. Shepherd, P.E.  
Stan W. Johns, P.E.  
Lawrence A. Rember

Scott,  
Here are our review comment responses for the EE building building.

3. While the plans address the restraint requirements for the ceiling systems, they should also specify how the light fixtures are to be restrained. Please address.

Electrical Response: Please see the attached detail for the seismic restraint for lay-in light fixtures.

5. Provide the details and engineering calculations for all nonstructural components that are permanently attached to structures and their supports and attachments. These shall be designed and constructed to resist the effects of earthquake motions in accordance with ASCE 7-05. Reference IBC Section 1613.1. This includes suspended ceilings, electrical systems, mechanical systems, plumbing systems, and decorative architectural components.

Electrical Response:

Please refer the following specification sections for more information.

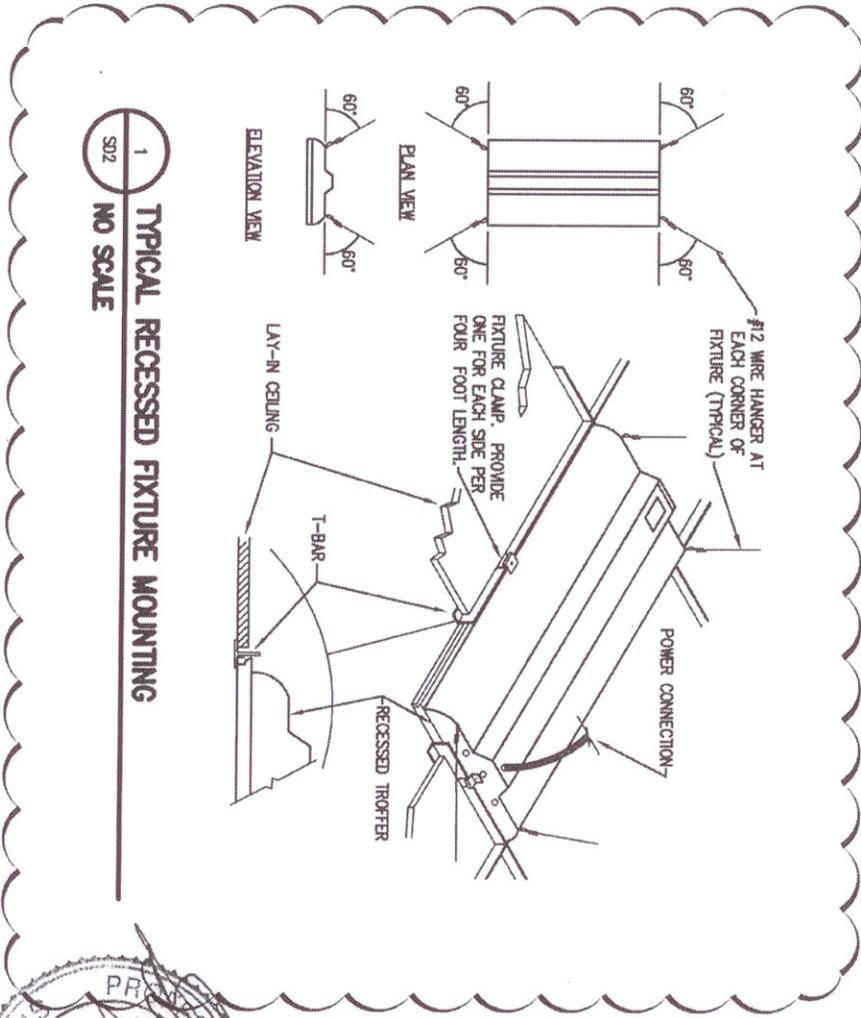
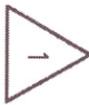
- 16073 Hangers and Supports for Electrical System
- 16074 Vibration and Seismic Controls for Electrical Systems

Thank you and let me know if you have any questions.



Ryan Van Voast, EE, EIT  
VBFA

N:\10\10000\10096 UVU Extended Education Building Interior Remodel\05\_Construction Administration\Review comments\1096-MEMO-2010-04-27-DFCM review comment responses.DOC



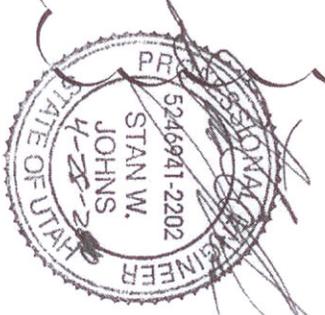
1  
SD2  
**TYPICAL RECESSED FIXTURE MOUNTING**  
NO SCALE



**ELECTRICAL SYMBOLS & SCHEDULES**  
SCALE: NONE



04.28.10 ADDENDUM #2



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CHECKED BY:	RJV
DRAWN BY:	KM
CURRENT/DRAW DATE:	04/28/10
SHEET CONTENTS	
ELECTRICAL SYMBOLS, SCHEDULES	

**SD-01**  
**E001**