



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 #1

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. 1**

Pages	Addendum Coversheet	1 page
	<u>Architects Addendum</u>	<u>19 pages</u>
	Total	20 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.

**1.1 SCHEDULE CHANGES** – There are no changes to the project schedule.

**1.2 GENERAL** – P+A Architects – Please see attached.

**Utah!**  
Where ideas connect

## ADDENDUM NO. 1

Date: April 27th, 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 Seventeen (17) 8 ½"x11" documents, including this document and a total of Two (2) revised 24"x36" construction documents.

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:

1. General contractor shall provide ¾" sanded one side ply-wood sheathing primed and painted on the South wall of Office 115 in place of the 5/8" type "X" gypsum as noted on construction documents.
2. The general contractor shall lightly sand and repaint any hollow metal doors and doorframes in areas of construction where hollow metal doors and frames are to remain.
3. All masonry walls noted to be removed are to be saw cut prior to removal.
4. See architectural drawing A-DT500A Reference Note number 1. Reference note indicated that general contractor shall provide an allowance of \$25 per square foot for counter top material, and installation. Allowance shall be increased to \$55 per square foot for material, fabrication and installation.
5. See attached architectural specification section 06402 Interior Architectural Woodwork. Attached specification to replace original specification section 06402
6. See attached revised drawing A-FP100 and A-CP101 revision bubbled #1 indicating changes to North wall of Classroom 116. See attached addenda #1 drawing #1 and drawing #2 indicating interior elevation and new wall type at North wall of Classroom 116.
7. See attached revised drawing A-FP100 revision #2 bubbled area indicating revised location for the electric water cooler, additional walls to be built around water coolers and tile areas at water cooler. See electrical and mechanical addenda items associated with this change.
8. See attached revised drawing A-FP100 and A-CP101 revision #3 bubbled area indicating changes to provide (3) enclosed office spaces. Finishes and doors and door hardware to be as per office 100A

and Door Type 100A as shown on architectural drawing A-DT500 room finish and door schedule  
See electrical and mechanical addenda items associated with this change.

9. All hardwood veneer wood panels over  $\frac{3}{4}$ " high density particle board panels as noted on architectural drawings shall be changed to AWI premium grade  $\frac{3}{4}$ " medium density fiberboard core plywood, species to be white oak and cut to be rift sliced.
10. The general contractor shall be responsible to provide a 6-mil polyethylene dust barrier between areas of construction and areas not affected by the construction.
11. Lynden Doors have been approved as a door supplier for this project.

Mechanical:

1. See attached mechanical addenda no. 1.

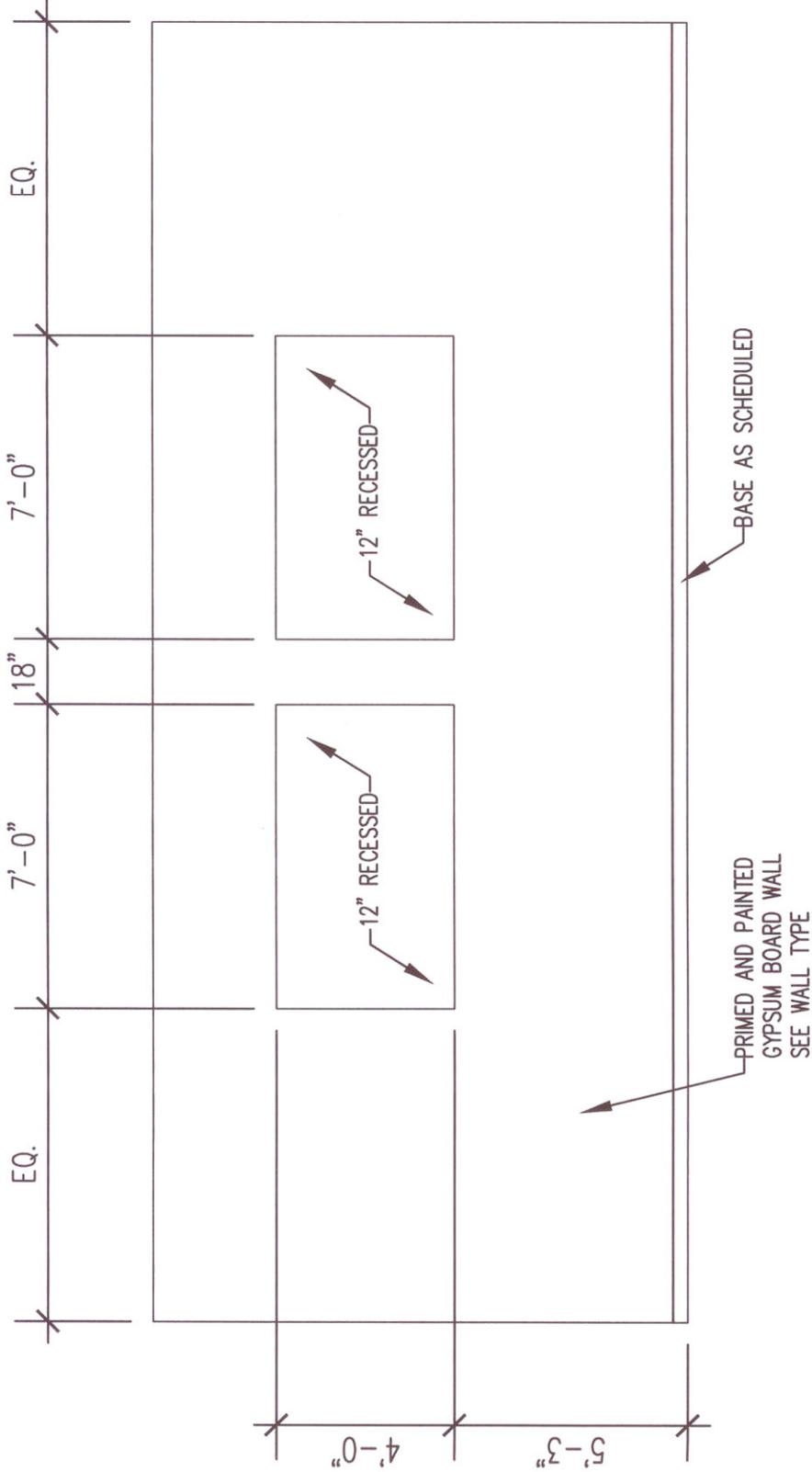
Electrical:

1. See attached electrical addenda no. 1

End of Addendum I

# GENERAL NOTES

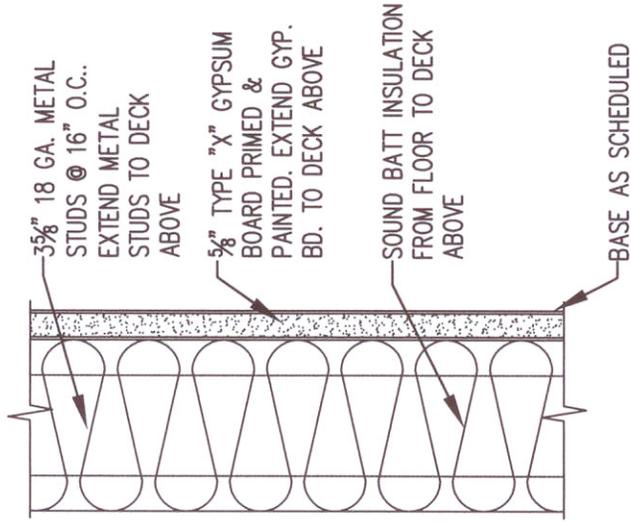
- GENERAL CONTRACTOR SHALL VERIFY EXACT OPENING SIZE REQUIRED DURING CONSTRUCTION.



## 01 INTERIOR ELEVATION

SCALE 1/4" = 1'-0"

<p>CREATED BY: P+A architects</p> <p><b>P+A architects</b>          821 East Kensington Ave.          Salt Lake City, Utah 84105          P: 801-464-1161          F: 801-465-4640          e-mail: parchitects@comcast.net</p>	<p>PROJECT TITLE:          UTAH VALLEY UNIVERSITY          OREM, UTAH          EXTENDED EDUCATION BUILDING          INTERIOR REMODEL</p>	<p>DRAWING TITLE:          ADDENDA #1</p>	<p>SHEET NUMBER          ADDENDA#1 DWG #1</p>
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TYPE 11

02 WALL TYPE

ADD#1 SCALE 3" = 1'-0"

CREATED BY: P+A architects

**P+A architects**  
 821 East Kensington Ave.  
 Salt Lake City, Utah 84105  
 P: 801.484.1161  
 F: 801.485.4640  
 e-mail: parchitcs@comcast.net



PROJECT TITLE:

UTAH VALLEY UNIVERSITY  
 OREM, UTAH  
 EXTENDED EDUCATION BUILDING  
 INTERIOR REMODEL

DRAWING TITLE:

ADDENDA #1

SHEET NUMBER

ADDENDA#1 DWG #2

SECTION 06402 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes the following:
  - 1. Wood cabinets with plastic laminate.
  - 2. Plastic-laminate countertops.
- B. Related Sections include the following:
  - 1. Division 8 Section "Flush Wood Doors."

1.3 DEFINITIONS

- A. Interior architectural woodwork includes wood furring, blocking, shims, and hanging strips for installing woodwork items, unless concealed within other construction before woodwork installation.

1.4 SUBMITTALS

- A. Product Data: For medium-density fiberboard, plywood, high-pressure decorative laminate, adhesive for bonding plastic laminate, solid-surfacing material, cabinet hardware and accessories, handrail brackets, and finishing materials and processes.
- B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
  - 1. Show details full size.
  - 2. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
  - 3. Show locations and sizes of cutouts and holes for computer cord access, telephone and other cord access points and other items installed in architectural woodwork. Coordinate with Owner prior to completion of work.
  - 4. Show veneer leaves with dimensions, grain direction, exposed face, and identification numbers indicating the flitch and sequence within the flitch for each leaf.
- C. Samples for Initial Selection: Manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available for each type of material indicated.
  - 1. Shop-applied finishes.
  - 2. Plastic laminates.
- D. Samples for Verification: For the following:

1. Plastic-laminate-clad panel products, 6 by 6 inches (200 by 250 mm), for each type, color, pattern, and surface finish.
  2. Exposed cabinet hardware and accessories, one unit for each type and finish.
- E. Product Certificates: Signed by manufacturers of woodwork certifying that products furnished comply with requirements.
- F. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

#### 1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed architectural woodwork similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Fabricator Qualifications: A firm experienced in producing architectural woodwork similar to that indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- C. Source Limitations: Engage a qualified woodworking firm to assume undivided responsibility for production and installation of interior architectural woodwork with sequence-matched wood veneers including wood doors where veneer matching includes door faces.
- D. Quality Standard: Unless otherwise indicated, comply with AWI's "Architectural Woodwork Quality Standards" for grades of interior architectural woodwork, construction, finishes, and other requirements.
1. Provide AWI certification labels or compliance certificate indicating that woodwork complies with requirements of grades specified.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver woodwork until painting and similar operations that could damage woodwork have been completed in installation areas. If woodwork must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Project Conditions" Article.

#### 1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and will maintaining temperature between 60 and 90 deg F (16 and 32 deg C) and relative humidity between 17 and 50 percent during the remainder of the construction period.

- C. Field Measurements: Where woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
  - 1. Locate concealed framing, blocking, and reinforcements that support woodwork by field measurements before being enclosed and indicate measurements on Shop Drawings.
  - 2. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating woodwork without field measurements. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

## 1.8 COORDINATION

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that interior architectural woodwork can be supported and installed as indicated.
- B. Hardware Coordination: Distribute copies of approved hardware schedule specified in Division 8 Section "Door Hardware (Scheduled by Describing Products)" to fabricator of architectural woodwork; coordinate Shop Drawings and fabrication with hardware requirements.

## PART 2 - PRODUCTS

### 2.1 WOODWORK FABRICATORS

- A. Fabricators: Subject to compliance with requirements, provide interior architectural woodwork by a firm that has completed business activities within the local area for a period of not less than five years. Firm must have completed work to match type and scope of this project. At time of product submissions submit past work experience for consideration of Architect and Owner.

### 2.2 MATERIALS

- A. General: Provide materials that comply with requirements of the AWI quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.
- B. Wood Products: Comply with the following:
  - 1. Hardboard: AHA A135.4.
  - 2. Medium-Density Fiberboard: ANSI A208.2, Grade MD
  - 3. Particleboard: ANSI A208.1, Grade M-2.
  - 4. Softwood Plywood: DOC PS 1, Medium Density Overlay.
  - 5. Hardwood Plywood and Face Veneers: HPVA HP-1.
- C. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated, or if not indicated, as required by woodwork quality standard.
  - 1. Manufacturer: Subject to compliance with requirements, provide high-pressure decorative laminates by one of the following:
    - a. Formica Corporation.
    - b. Wilsonart International; Div. of Premark International, Inc.

c. Pionite

- D. Adhesive for Bonding Plastic Laminate: Contact cement. Use only water based cement varieties to limit VOC.

2.3 CABINET HARDWARE AND ACCESSORIES

- A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets, except for items specified in Division 8 Section "Door Hardware (Scheduled by Describing Products)."
- B. Hardware Standard: Comply with BHMA A156.9 for items indicated by referencing BHMA numbers or items referenced to this standard.
- C. Frameless Concealed Hinges (European Type): BHMA A156.9, B01602, 135 degrees of opening, self-closing where noted as such.
- D. Wire Pulls: Back mounted, 5 inches (100 mm) long, 5/16 inches (8 mm) in diameter.
- E. Adjustable Shelf Standards and Supports: BHMA A156.9, B04102; with shelf brackets, B04112.
- F. Door Locks: BHMA A156.11, E07121.
- G. Drawer Locks: BHMA A156.11, E07041.
- H. Shelf Rests: BHMA A156.9, B04013.
- I. Drawer Slides: Side-mounted, full-extension, zinc-plated steel drawer slides with steel ball bearings, BHMA A156.9, B05091, and rated for the following loads:
1. Box Drawer Slides: 100 lbf. Indicate on submission that the submitted slides will meet this requirement.
- J. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
1. Satin Stainless Steel: BHMA 630.
- K. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

2.4 INSTALLATION MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln-dried to less than 15 percent moisture content.
- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls and elsewhere as required for corrosion resistance. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.

2.5 FABRICATION, GENERAL

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

- A. Fabricate woodwork to dimensions, profiles, and details indicated. Ease edges to radius indicated for the following:
  - 1. Corners of Cabinets and Edges of Solid-Wood (Lumber) Members 3/4 Inch (19 mm) Thick or Less: 1/16 inch (1.5 mm).
  - 2. Edges of Rails and Similar Members More Than 3/4 Inch (19 mm) Thick: 1/8 inch (3 mm).
  - 3. Corners of Cabinets and Edges of Solid-Wood (Lumber) Members and Rails: 1/16 inch (1.5 mm).
- B. Complete fabrication, including assembly, finishing, and hardware application, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
  - 1. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements indicated on Shop Drawings before disassembling for shipment.
- C. Shop cut openings, to maximum extent possible, to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
  - 1. Seal edges of openings in countertops with a coat of varnish.

## 2.6 PLASTIC-LAMINATE CABINETS

- A. Quality Standard: Comply with AWI Section 400 requirements for laminate cabinets.
- B. Grade: Custom.
- C. WIC Construction Style: Style A, Frameless.
- D. WIC Construction Type: Type I, multiple self-supporting units rigidly joined together.
- E. AWI Type of Cabinet Construction: Reveal overlay.
- F. Reveal Dimension: 1/8 inch.
- G. Laminate Cladding for Exposed Surfaces: High-pressure decorative laminate complying with the following requirements:
  - 1. Horizontal Surfaces Other Than Tops: **HGS**.
  - 2. Postformed Surfaces: **HGP**.
  - 3. Vertical Surfaces: **HGS**
- H. Edges: Plastic Laminate, match drawer faces
- I. Materials for Semiexposed Surfaces: Provide surface materials indicated below:
  - 1. Surfaces Other Than Drawer Bodies: Thermoset decorative overlay or as indicated on drawings.
  - 2. Drawer Sides and Backs: Thermoset decorative overlay or as indicated on drawings.
  - 3. Drawer Bottoms: Thermoset decorative overlay or as indicated on drawings.

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

- J. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
  - a. Plastic Laminate at cabinets:
- K. Provide dust panels of 1/4-inch (6.4-mm) plywood or tempered hardboard above compartments and drawers, unless located directly under tops.

2.7 PLASTIC-LAMINATE COUNTERTOPS

- A. Quality Standard: Comply with AWI Section 400 requirements for high-pressure decorative laminate countertops.
- B. Grade: Custom.
- C. High-Pressure Decorative Laminate Grade: HGP.
- D. Edge Treatment: As indicated.
- E. Core Material: Medium-density fiberboard – No urea-formaldehydes permitted. Provide submission information for this material and plywood.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Condition woodwork to average prevailing humidity conditions in installation areas before installation.
- B. Before installing architectural woodwork, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

- A. Quality Standard: Install woodwork to comply with AWI Section 1700 for the same grade specified in Part 2 of this Section for type of woodwork involved.
- B. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb (including tops) to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm).
- C. Scribe and cut woodwork to fit adjoining work, and refinish cut surfaces and repair damaged finish at cuts.
- D. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.
- E. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.

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

1. Install cabinets with no more than 1/8 inch in 96-inch (3 mm in 2400-mm) sag, bow, or other variation from a straight line.
  2. Maintain veneer sequence matching of cabinets with transparent finish.
  3. Fasten wall cabinets through back, near top and bottom, at ends and not more than 16 inches (400 mm) o.c. with No. 10 wafer-head screws sized for 1-inch (25-mm) penetration into wood framing, blocking, or hanging strips. No. 10 wafer-head sheet metal screws through metal backing or metal framing behind wall finish.
- F. Countertops: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.
1. Align adjacent solid-surfacing-material countertops and form seams to comply with manufacturer's written recommendations using adhesive in color to match countertop. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
  2. Install countertops with no more than 1/8 inch in 96-inch (3 mm in 2400-mm) sag, bow, or other variation from a straight line.
  3. Calk space between backsplash and wall with sealant specified in Division 7 Section "Joint Sealants."
- G. Complete the finishing work specified in this Section to extent not completed at shop or before installation of woodwork. Fill nail holes with matching filler where exposed. Apply specified finish coats, including stains and paste fillers if any, to exposed surfaces where only sealer/prime coats were applied in shop.
- H. Refer to Division 9 Sections for final finishing of installed architectural woodwork.
- 3.3 ADJUSTING AND CLEANING
- A. Repair damaged and defective woodwork, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.
  - B. Clean, lubricate, and adjust hardware.
  - C. Clean woodwork on exposed and semiexposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION 06402

## ADDENDUM

**DATE:** April 20, 2010

**PROJECT NO:** 10096

**PROJECT:** UVU Extended Education  
Building

### DIVISION - 15

#### PRIOR APPROVALS

The following manufacturers, trade names and products are allowed to bid on a name brand only basis with the provision that they completely satisfy all and every requirement of the drawings, specifications and all addenda shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts.

<u>Item</u>	<u>Manufacturer</u>	<u>Comments</u>
Split System AC Units	Daikin AC	APPROVED
Registers, Grilles, & Ceiling Diffusers	Carnes	APPROVED

## ADDENDUM 1

**DATE:** April 19, 2010  
**PROJECT NO:** 10096  
**PROJECT:** UVU Extended Education  
Building

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### DIVISION - 16

#### Drawings:

SHEET - E300 electrical details and E200 power plan.

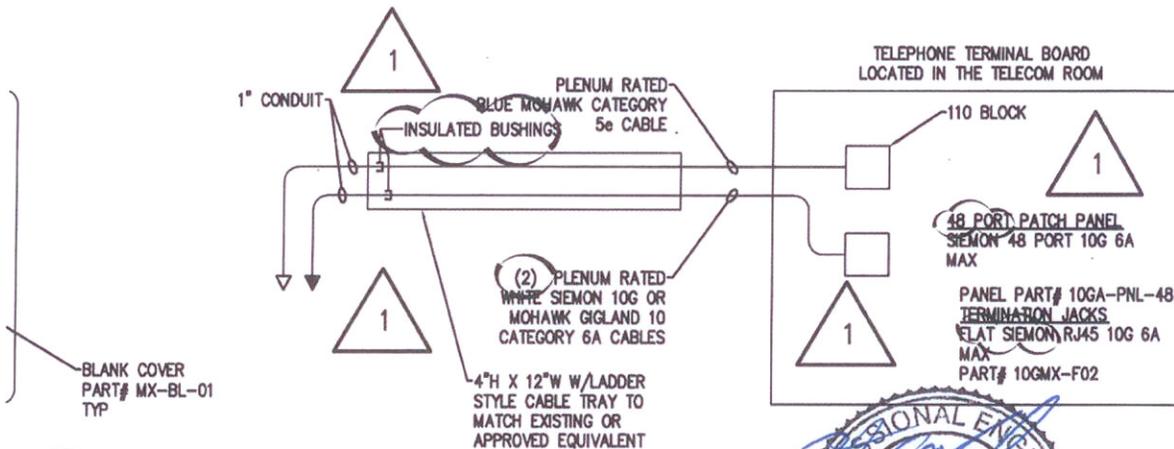
1. Please see the attached supplemental drawings SD-01, 02, 03, and 04 for more information.

P5		VOLTAGE		MOUNTING		FEED		MAINS		DIMS.		SPECIAL							
PANEL	NQOD	208Y/120		FLUSH		X TOP		225 AMP		20" W		X G							
TYPE	RECEIVING AREA	PHASE 3 WIRES 4		X		TOP		X LUGS		5.75" D		S							
LOCATION		AIC	65K	AMPS	X	SURFACE	BOTTOM	BREAKER		35" H		S							
CIR NO.	CIRCUIT DESCRIPTION	OUTLETS	BRKR	WIRE	CIRCUIT	COMBINED PHASES			CIRCUIT	WIRE	BRKR	OUTLETS							
		CODELTS	CO	MIS	P	AMP	SIZE	LOAD	A	B	C	LOAD	SIZE	AMP	P	MIS	CO	LTS	CODE
1	CLASSROOM	18			1	20	10	1728	2268			540	10	20	1	3			
3	CORRIDOR/OFFICE	19			1	20	10	1152	1512			360	10	20	1	2			
5	CORRIDOR 108	22			1	20	10	1088	2288			1200	10	20	1	1			
7	OFFICE LTS	12			1	20	12	1216	2216			1000	10	20	1	1			
9	VESTIBULE 125	22			1	20	12	832	1332			500	12	E	1	1	1		
11	NE OPEN OFFICE	15			1	20	10	960	1680			720	10	20	1	4			
13	SYST FURN				1	1	20	1200	1560			360	10	20	1	2			

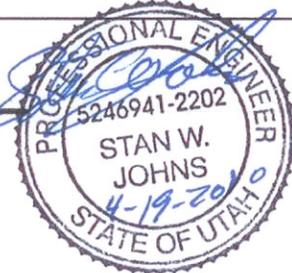
MARK	DESCRIPTION	VPH	LOAD (KW)	HP	FLA	MCA	MOCP	DISCONNECT SIZE/POLE	FUSE SIZE	NOTES
AC-1	AIR CONDITIONING UNIT (INDOOR)	208/1				1				3
AC-1	AIR CONDITIONING UNIT (OUTDOOR)	208/1				13	20	30/2	20	1.2

VPH/Hz = VOLTAGE / PHASE / HERTZ  
MCA = MINIMUM CIRCUIT AMPACITY  
MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER

NOTES:  
(1) PROVIDE FUSED DISCONNECT WITH FUSE SIZED TO THE MAX. LISTED BY THE MANUFACTURER.  
(2) PROVIDE SQUARE D NEMA 3R FUSED DISCONNECT PART NUMBER D221NRA OR APPROVED EQUIVALENT.  
(3) UNIT FED FROM AC-1 OUTDOOR UNIT PROVIDE A 1HP RATED TOGGLE SWITCH



**1** VOICE/DATA RISER DIAGRAM  
E300 NO SCALE



**1** 4.19.10

**VAN BOERUM & FRANK ASSOCIATES INC.**  
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UTAH VALLEY UNIVERSITY  
OREM, UTAH  
EXTENDED EDUCATION BUILDING  
INTERIOR REMODEL

10096  
SI  
KAL  
04/19/10  
VBA PROJECT #:  
CHECKED BY:  
DRAWN BY:  
CURRENT/REV DATE:  
SHEET CONTENTS

ELECTRICAL DETAILS SCHEDULES  
**SD-01**  
**E300**



CONDUIT/CONDUCTOR SCHEDULE						
MARK	AMPS	CONDUIT		CONDUCTOR		
		CABLE	QTY	SIZE	INSUL	REMARKS
<del>212</del>	20	<del>3/4"</del>	<del>2</del>	<del>12</del>	<del>(1)</del>	<del>(1)</del>
<del>430</del>	200	<del>2 1/2"</del>	<del>4</del>	<del>3/0</del>	<del>(1)</del>	<del>(2)</del>
<del>450</del>	420	<del>3 1/2"</del>	<del>4</del>	<del>600</del>	<del>(1)</del>	<del>(3)</del>

NOTE:  
 (1) THHN/THWN-2.  
 (2) ALL CONDUIT SHALL CONTAIN A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC. TO ACCOUNT FOR PARALLEL RUNS.  
 (3) PROVIDE A 1/0 EQUIPMENT GROUND CONDUCTOR EQUIPMENT GROUNDING CONDUCTOR SIZED

SUFFIX:  
 "A" INDICATES ALUMINUM CONDUCTORS  
 "Y" INDICATES YELLOW ISOLATED GROUND CONDUCTOR IN ADDITION TO THE GROUND CONDUCTOR IN NOTE ABOVE.



4.19.10

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 CONSULTING ENGINEERS  
 WWW.VBFA.COM

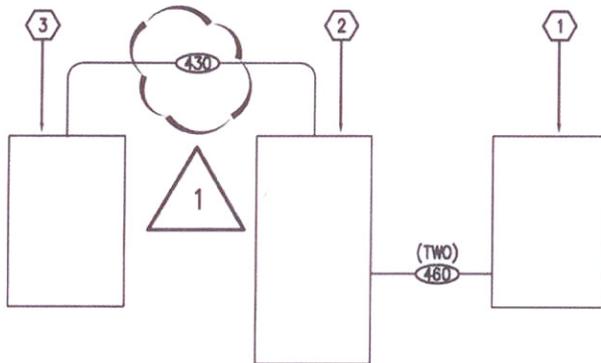
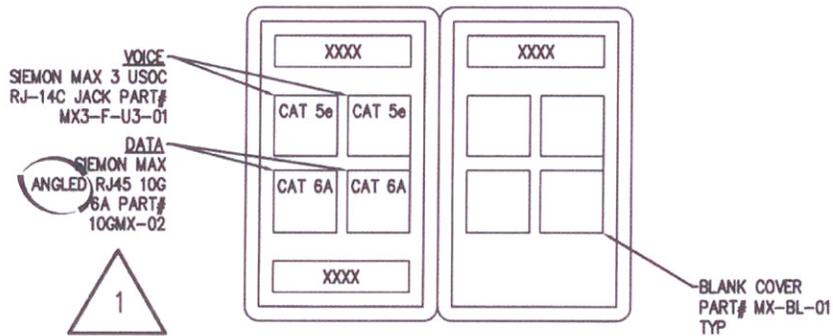
Salt Lake City · Logan · St. George · Tempe · Pocatello  
 330 South 300 East 801.530.3148 T  
 Salt Lake City, UT 84111 801.530.3150 F

UTAH VALLEY UNIVERSITY  
 OREM, UTAH  
 EXTENDED EDUCATION  
 BUILDING  
 INTERIOR REMODEL

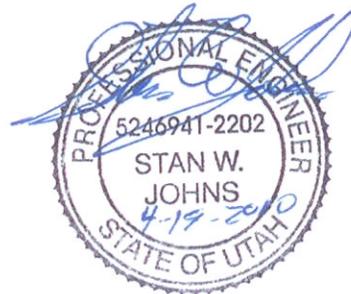
VBFA PROJECT #: 10096  
 CHECKED BY: SJ  
 DRAWN BY: KM  
 CURRENT DATE: 04/19/10  
 SHEET CONTENTS

ELECTRICAL  
 DETAILS  
 SCHEDULES

**SD-02  
 E300**



2 RISER DIRAGRAM  
 E300 NO SCALE



1 4.19.10



VAN BOERUM  
 & FRANK  
 ASSOCIATES INC.  
 CONSULTING ENGINEERS

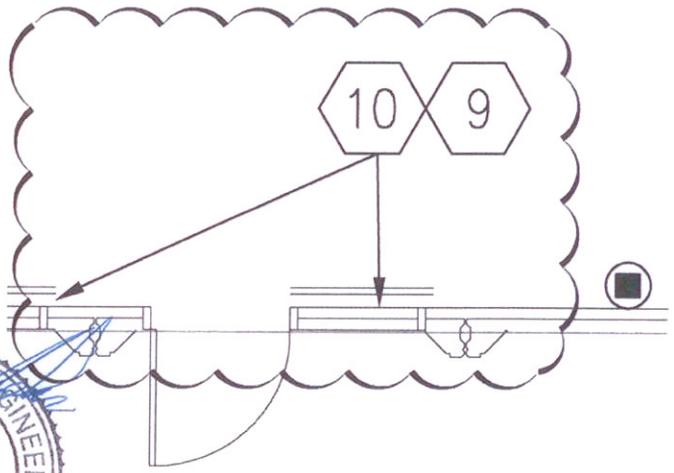
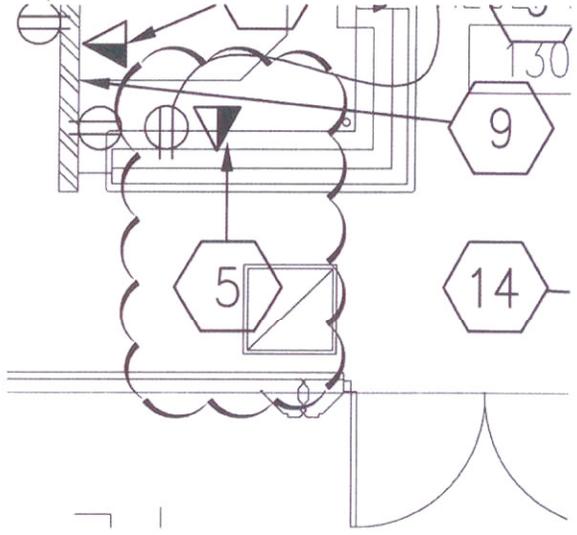
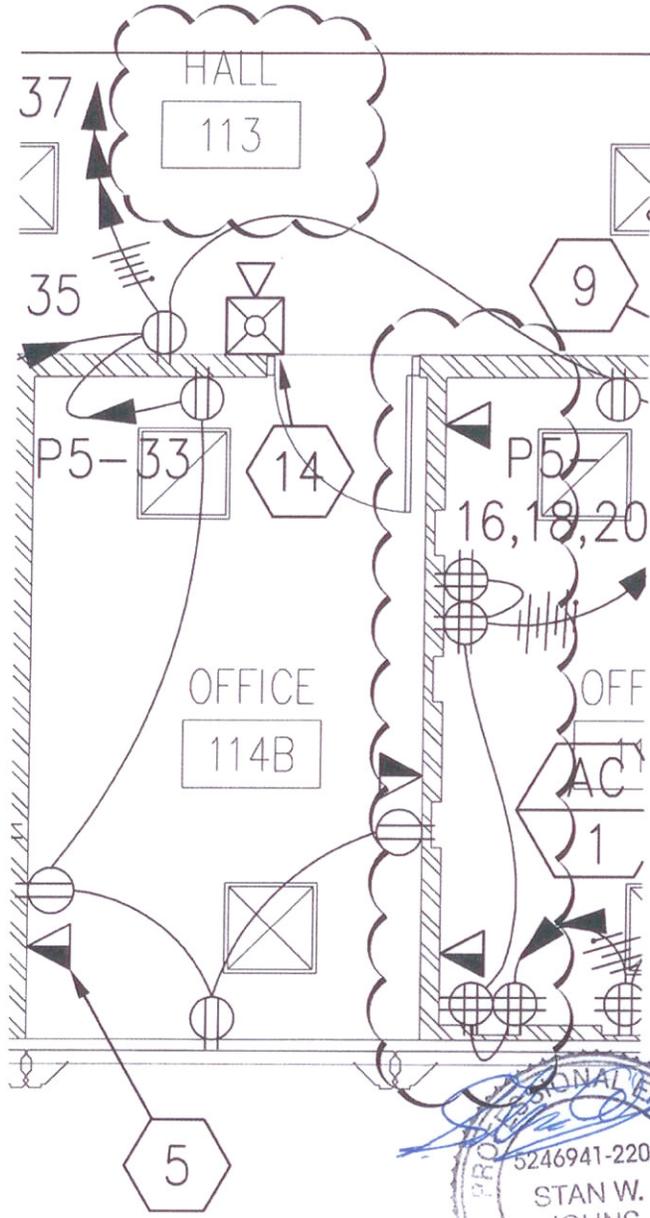
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UTAH VALLEY UNIVERSITY  
 OREM, UTAH  
 EXTENDED EDUCATION  
 BUILDING  
 INTERIOR REMODEL

VBFA PROJECT #: 10096  
 CHECKED BY: SJ  
 DRAWN BY: KM  
 CURRENTED DATE: 04/19/10  
 SHEET CONTENTS

ELECTRICAL  
 DETAILS  
 SCHEDULES

SD-03  
 E300



1 4.19.10

**VAN BOERUM & FRANK ASSOCIATES INC.**  
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**UTAH VALLEY UNIVERSITY**  
OREM, UTAH  
**EXTENDED EDUCATION BUILDING**  
**INTERIOR REMODEL**

10096 SU KM 04/19/10  
VBFA PROJECT #:  
CHECKED BY:  
DRAWN BY:  
CURRENT/REV DATE:  
SHEET CONTENTS

**POWER PLAN**  
**SD-04**  
**E200**

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### REFERENCE NOTES

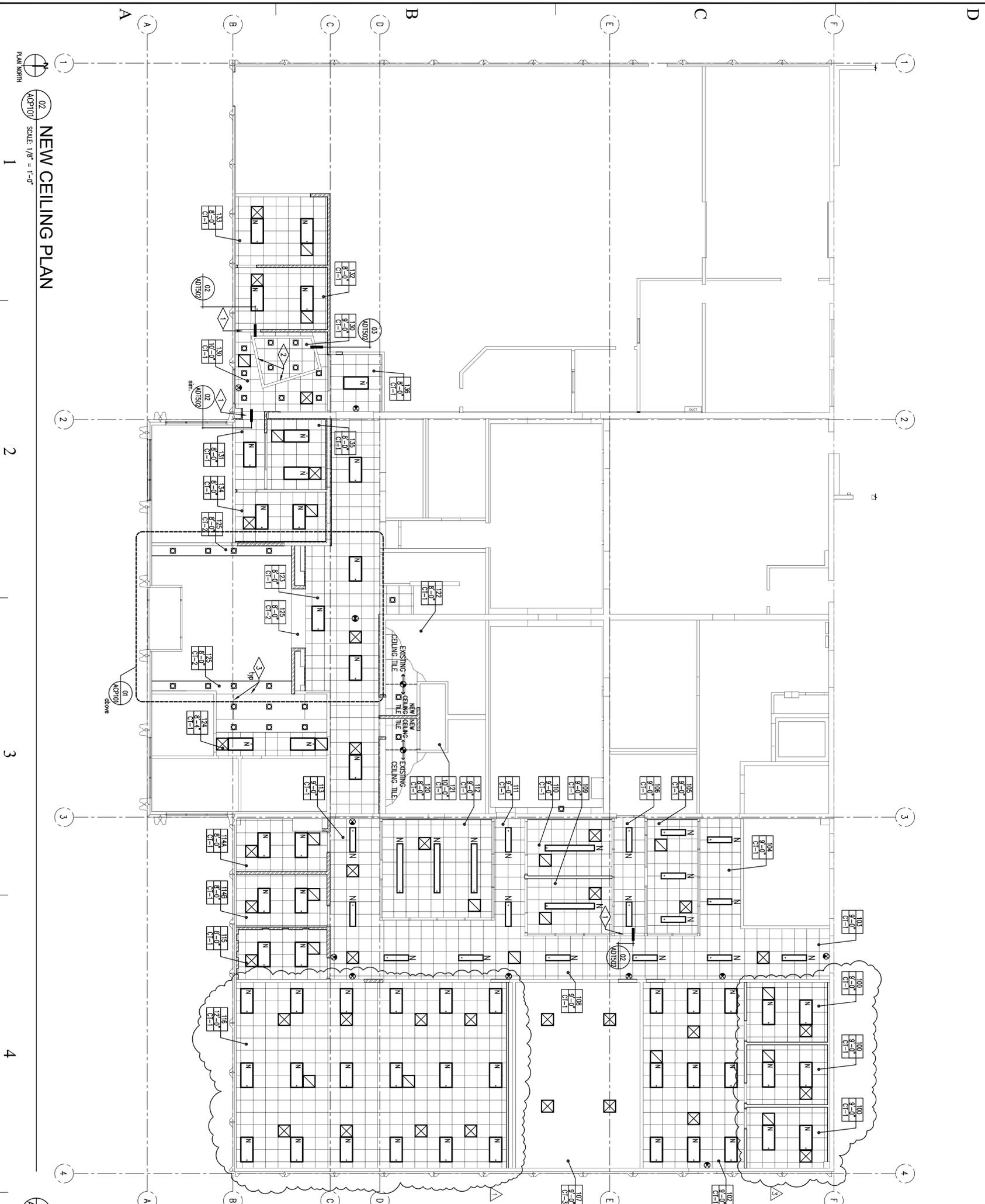
- 1. BULK HEAD LOCATION. SEE DETAIL.
- 2. ANASTROM "AOM" CEILING EDGE. SEE DETAIL.
- 3. REVEAL IN Gypsum BOARD CEILING. SEE DETAIL.
- 4. NEW Gypsum BOARD CEILING SYSTEM TO HAVE 2" GAP BETWEEN WALL AND EDGE OF CEILING. GC SHALL USE A WOODBLE "J" METAL TRIM.
- 5. REVEAL IN WOOD CEILING TO ALIGN WITH WALLS

### GENERAL NOTES

1. NEW SUSPENDED CEILING GROSS SHALL BE CENTERED IN SPACES AS SHOWN ON REFLECTED CEILING PLANS.
2. HEAVY DUTY T-BAR GRID SYSTEM SHALL BE USED.
3. EXCEPT WHERE RIBD BRACES ARE USED TO LIMIT LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING TO ALLOW FOR FREE MOVEMENT AT LEAST 1" IN ALL DIRECTIONS.
4. CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE INDEPENDENTLY SUPPORTED AND BRACED.
5. ALL NEW SUSPENDED CEILING INSTALLATIONS SHALL BE AS PER ACE 7 AND SCSA REQUIREMENTS.
6. SEE DETAIL FOR LAV IN CEILING TILE HORIZONTAL REINFORCEMENT.
7. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING MECHANICAL DUCT WORK RUNS WITH AVAILABLE CEILING HEIGHTS. NEW DUCT RUNS NEED TO PROVIDE ADEQUATE CLEARANCES FOR NEW LIGHT FIXTURES AND LIGHT FIXTURE INSTALLATIONS. NEEDS TO BE PERFORMED PRIOR TO ANY DUCT WORK BEING MANUFACTURED AND PRIOR TO SHOP DRAWINGS BEING SUBMITTED TO MECHANICAL AND ELECTRICAL ENGINEERS.
8. FIRE SPRINKLER CONTRACTOR TO SUBMIT COVERAGE AND SPRINKLER HEAD LOCATION DRAWINGS TO ARCHITECT/ UVP PROJECT MANAGER AND UPM PROJECT MANAGER PRIOR TO RELOCATING THE SPRINKLER HEADS.

### CEILING LEGEND

- 101. ROOM NUMBER
- 9'-0" CEILING HEIGHT
- 9'-0" CEILING TYPE
- N. NEW 2x4 FLUORESCENT LAV-IN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- ⊕. NEW EXIT SIGN, SEE ELECTRICAL DRAWINGS.
- ⊖. NEW HANGING FLUORESCENT DIRECT/INDIRECT LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- ⊔. NEW WALL SCONCE LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- ⊕. NEW HANGING PENDENT LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- ⊖. NEW RECESSED CAN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- ⊕. NEW LINEAR DIFFUSER. SEE MECHANICAL DRAWINGS.
- ⊖. SUPPLY AIR DIFFUSER CONTRACTOR TO VERIFY LOCATION WITH MECHANICAL DRAWINGS.
- ⊔. RETURN AIR DIFFUSER CONTRACTOR TO VERIFY WITH MECHANICAL DRAWINGS.
- ⊕. EXISTING EXIT SIGN TO REMAIN.
- ⊖. NEW LINEAR DIFFUSER. SEE MECHANICAL DRAWINGS.
- ⊔. SUPPLY AIR DIFFUSER CONTRACTOR TO VERIFY LOCATION WITH MECHANICAL DRAWINGS.
- ⊔. RETURN AIR DIFFUSER CONTRACTOR TO VERIFY WITH MECHANICAL DRAWINGS.
- ⊕. EXISTING 2x4 FLUORESCENT LAV-IN LIGHT FIXTURE TO REMAIN.
- ⊖. HATCH PATTERN IN AREAS OF CEILING PLAN INDICATES LOCATION OF NEW LAV-IN CEILING LIGHT FIXTURES. CEILING DIFFUSERS AND CEILING GRID SYSTEM.



### NEW CEILING PLAN

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

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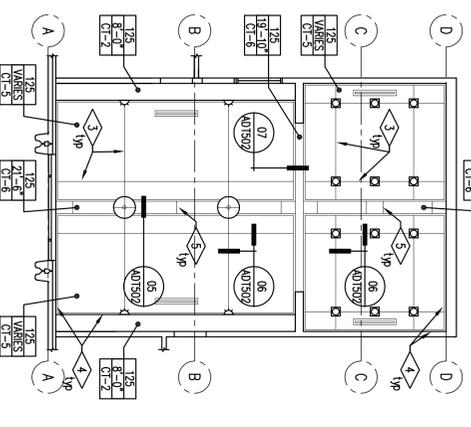
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### CEILING PLAN VEST 125

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

5



## State of Utah

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CONSULTANT:

- architecture
- planning
- design

PROJECT TITLE:

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INTERIOR REMODEL

4/25/10	SEE APPENDIX 01
4/25/10	SEE APPENDIX 01

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		
ISSUE DATE: 12th April, 2010		
DECM PROJECT NO: 10011790		
CAD PROJECT NO:		
CAD DWG FILE: BRIAN AND SCOTT		
DRAWN BY: SCOTT		
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SHEET TITLE		

## NEW CEILING PLAN

SHEET NUMBER

# A-CP101

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REFERENCE NOTES

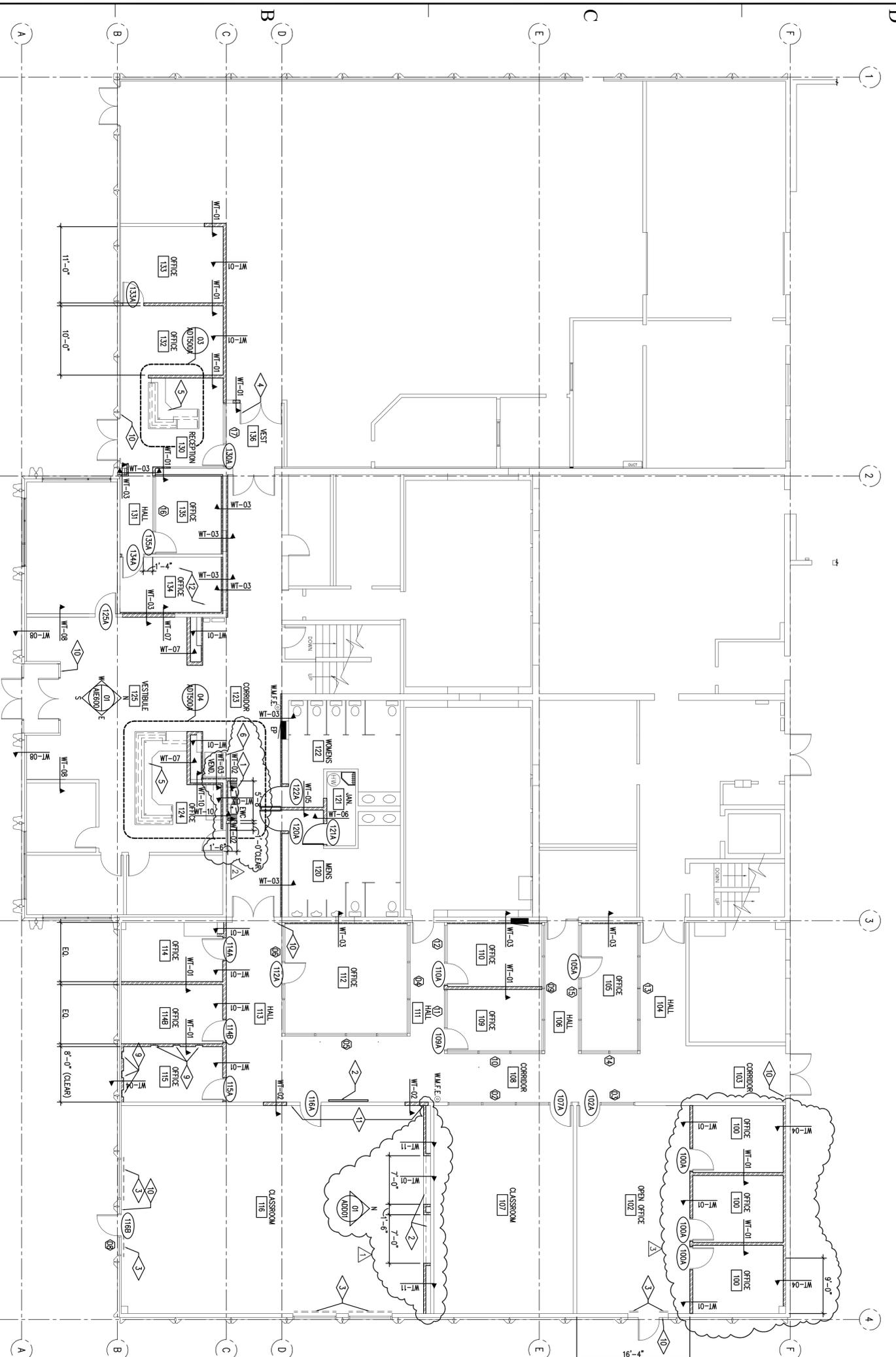
- 1 PROVIDE CERAMIC WALL TILE BEHIND ELECTRIC WATER COOLERS AND ON SIDE WALLS NEXT TO ELECTRIC WATER COOLERS. PROVIDE 2' X 2' CERAMIC FLOOR TILE BELOW ELECTRIC WATER COOLERS. SEE WATER COOLER ELEVATION 09/AD0502.
- 2 PROPOSED LOCATION FOR DATA SCREEN TV. SEE ELECTRICAL DRAWINGS FOR DATA AND POWER.
- 3 NEW WINDOW COVERSINGS. SEE SPECIFICATIONS.
- 4 EXISTING DOOR, DOOR FRAME, DOOR HARDWARE, AND CABO ACCESS READER TO BE RELOCATED.
- 5 NEW RECEPTION COUNTER. SEE ENLARGED PLANS.
- 6 VENDING MACHINES. N.L.C.
- 7 EXISTING CARPET TO REMAIN. GENERAL CONTRACTOR SHALL PROTECT EXISTING CARPET DURING CONSTRUCTION.
- 8 NEW STAINLESS STEEL AND GLASS GUARDRAILS. SEE DETAILS.
- 9 PROVIDE NEW VERTICAL CABLE TRAY OUTLETS IN NEW AND EXISTING WALLS FROM FLOOR TO ABOVE CEILING ON THE SOUTH WALL AND 3 ON THE WEST WALL.
- 10 PROVIDE EXIT SIGN AT THIS LOCATION AS PER DETAIL 05/AD0502.
- 11 EXTEND METAL STUDS AND GYPSUM BOARD WALLS TO DECK AT THIS LOCATION AS SHOWN ON DETAIL 05/AE800.
- 12 EXISTING CONCRETE FLOOR SLAB IN OFFICE 134 SHALL BE FLOATED WITH LEVING COMPOUND AS NECESSARY TO PRODUCE A SMOOTH EVEN FINISH. EXISTING FLOOR SLAB MAYBE OUT OF LEVEL BY AS MUCH AS 2". GENERAL CONTRACTOR SHALL VERIFY FLOOR TO BIDDING.

GENERAL NOTES

- 1. CONTRACTOR SHALL MAINTAIN EMERGENCY AND UTILITY VEHICLES ACCESS AT ALL TIMES TO ALL EXISTING BUILDINGS AND BUILDING ENTRANCES.
- 2. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO BIDDING.
- 3. GENERAL CONTRACTOR SHALL PROTECT EXISTING BUILDING FROM DAMAGE DURING CONSTRUCTION.
- 4. IN AREAS OF CONSTRUCTION WHERE EXISTING WALL ARE TO REMAIN THE GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL WALL DAMAGE AND REPAIR ALL WALLS AS PER FINISH SCHEDULE. PATCHED AND REPAIRED WALLS SHALL HAVE A LIKE NEW FINISH UPON RECEIVING PAINT COAT.

LEGEND

- RM NAME
- 100 ROOM TAG
- 1000 WINDOW TAG
- 10000 DOOR TAG
- WT-01 WALL TYPE. SEE WALL TYPES SHEET A5C300
- W.M.F.E. DASHED LINE AT WINDOWS INDICATES LOCATION OF NEW WINDOW COVERSINGS. SEE SPECIFICATION.
- EP RELOCATED SURFACE MOUNTED CLASS A.B.C. 201B FIRE EXTINGUISHER
- ENC DRAWINGS
- ENC ELECTRIC WATER COOLERS. SEE PLUMBING DRAWINGS

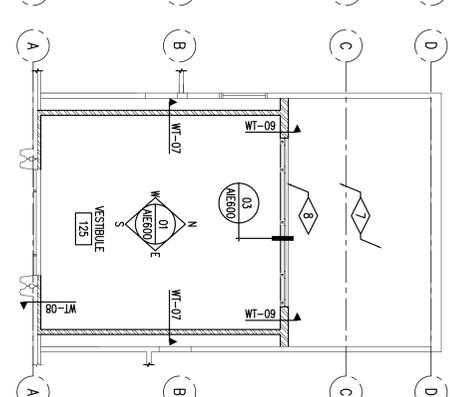


NEW FLOOR PLAN

SCALE 1/8" = 1'-0"

UPPER FLOOR PLAN VESTIBULE 125

SCALE 1/8" = 1'-0"

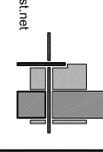


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REVISIONS	DATE	DESCRIPTION
1	4/25/10	SEE ADDENDA 01
2	4/25/10	SEE ADDENDA 01
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NEW FLOOR PLAN  
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 A-FP100