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. 4

Date: October 24, 2012

To: Contractors

From: Matthias Mueller

Reference: Student Activity Center Addition to the Stromberg Athletic Complex
Weber State University – Ogden, Utah
DFCM Project No. 12031810

Subject: **Addendum No. 4**

Pages	Addendum Cover Sheet	1	page
	Architect's Addendum 4	97	pages
	Total	98	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.

4.1 SCHEDULE CHANGES: There are no Project Schedule changes.

4.2 GENERAL ITEMS: See attached Architect's Addendum 4 dated October 24, 2012.

Addendum 004

project:	WSU Stromberg Student Activity Center	**project no:**	12475
date:	2012-10-22	**no. pages:**	97
owner:	DFCM		
contractor:			
bid date:	2012-11-01	**bid time:**	12:00 pm

This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

General:

Item	Description
4.1	PLEASE NOTE: All construction documents: drawings, specifications and addenda, are available for download from the DFCM website. **http://dfcm.utah.gov/main.php?project_number=12031810-vbs** Also posted on this site, for reference only, are the anticipated existing condition record drawings of the Stromberg Arena, and a library of photographs taken inside and outside the Arena.
4.1	Where the specifications reference "Available Manufacturers", any manufacturer furnishing products meeting the requirements of the Contract Documents will be considered by the Architect.
4.3	General Note: All existing Hollow Metal Doors, Door Frames and Window Frames in the Arena, that are to remain, are to be prepped and repainted, color and finish per the specified finish schedule.
4.4	Please Note: "Billboard Graphics" are to be used at the east Lobby wall in Control 100 as indicated on C5/A410.6, refer to added specifications.
4.4	QUESTION: Sheet A131.4 calls for 1 hour rated intumescent paint at primary and secondary roof structure. A few fireproofing subs are asking for clarification to know if this requirement is to include the decking as well as the joist trusses. Please clarify. RESPONSE: Yes, decking and joists are considered "secondary roof structure". Refer to UL Design No. P701, 1. 2. B), on Sheet G202, for the fire resistant roof design.

4.3	QUESTION: Will the intumescent paint required at the roof structure also be required on the new beams and rods supporting the elevated track and bridge? RESPONSE: The new structure added to support the track, including beams and rods, do not need to be fire protected. Only primary structure (2 hour), primary and secondary roof structure (1 hour).
4.4	QUESTION: Specification section 07-8126-3.7 lists 2 hour intumescent on the schedule, there is not reference to a 1 hour system as called for on sheet A131.4 at the roof deck. Is the roof deck correct at 1 hour? RESPONSE: Yes, the roof deck needs to be protected as per UL Design No. P701 on Sheet G202.
4.5	QUESTION: Please provide a detail showing the construction of the existing floor inside Stromberg Gym at the basketball court area. We need to know what floor system was used to know what load this floor can handle during construction. RESPONSE: The existing conditions drawings are posted on the DFCM website for reference. Attached is the detail at the gym floor. These drawings indicate the slab thickness to be 4". NOTE: Contractor is to protect the athletic wood floor AND the synthetic running track surface or replace any damage that occurs.
4.7	QUESTION: Sheet A510 shows several details requiring intumescent fire retardant coating on beams. Several other details on this same page call for steel columns with fireproofing but no mention of intumescent fire retardant. Is this correct at the listed locations? RESPONSE: Sheet A510 has been revised to indicate fire proofing. Note: Per the **base bid** all structure to be fire protected in the Arena is to be intumescent paint. One location in the addition, the column at Grid 1-H is also intumescent paint as indicated on the drawings. All other structure in the the addition is to be spray applied fire retardant.
4.8	QUESTION: Fire proofing sub has requested additional information as to the existing coating on the Stromberg gym joists and decking. Can you verify what product was used to coat this area originally so they can correctly bid the required prep. work. RESPONSE: Existing joists and deck are painted. Contractor is encouraged visit site to verify conditions, please contact Chad Downs at WSU to schedule. Existing conditions photographs are available on the DFCM website for reference. It is anticipated that the existing steel will need to be stripped and cleaned as specified in Section 07 8126 for required prep work.

4.9	QUESTION: Is the railing a bar rail or glass? Glass noted and bars shown. RESPONSE: The railing of the "Grand Stair" and balcony edge of Level 2 are the glass guard rail as detailed in B3, B4/A580. The Level 2 Bridge, Stair to the Running Track A3/A321 and Running Track are bar rail per details B5, B6/A580.
4.10	QUESTION: Please clarify that the only glass guardrail used is in the main monumental stair (stair 199A) and at the balcony overlooking the Lobby (102). RESPONSE: Yes.
4.10	QUESTION: Landscaping is referred to on page CS101 (bottom left corner of the sheet in 2 places). Please provide information on what is desired. RESPONSE: Provide an allowance for the following landscaping work: Continue existing St. John's Wart ground cover at new landscaping locations as indicated on CS101. Provide 6" of top soil, provide (6) Five Gallon Shrubs, (2) 2" caliper deciduous tree that meets WSU campus landscaping standards. Provide automatic irrigation system per WSU standards. Submit a planting plan for campus planning to review prior to installation. Where landscaping is replaced due to construction refer to Specification Section 02 4101.3.3.C.1.
4.11	QUESTION: The stainless steel wall and corner guards are detailed on the finish drawings in the legend. However we do not see them on the drawings. There is a spec section for them. Please provide information as to where these guards are to be installed. RESPONSE: Stainless Steel corner guards to be located at all outside, gyp. board corners.
4.12	QUESTION: Will the Horizontal Control Plan be provided as noted on Sheet CS101? RESPONSE: An electronic file of the site, grading and utility plan will be provided to the awarded contractor.

Drawings:

Item	Drawing No	Description
4.1	G100	See attached revised sheet for fire protection clarification.
4.1	G500	See attached for added sheet, G500 - Building Mock-Up

4.3	A104	See attached revised sheet for added tubular daylight system location, at north exit stair and revisions at the elevator shaft roof and adjacent elements.
4.3	A104.1	See attached revised sheet for added tubular daylight system location, at north stair.
4.3	A112.2	See attached sheet for revisions to doors, and new detail tag at window CSC 110.
4.5	A113.2	See attached revised sheet for added intumescent paint note at Column 1-H.
4.5	A123.4	See attached for revised Ceiling Anchor layout and orientation in Studio 203.
4.7	A201	See attached for revised elevations A1, B1 and D1/A201.
4.9	A301	See attached for revised Section D1, revisions to the elevator shaft at roof and adjacent elements.
4.9	A313	See attached for revised details A1, A3, A5 and A6.
4.9	A314	See attached for revised details A5 and A6.
4.10	A315	See attached for revised details A2 and A5.
4.13	A320	See attached for revised Section A2, for revisions to the elevator shaft at the roof and adjacent elements.
4.13	A410.3	See attached for Elevation A1/A410.3, North Elev. Sliding Window.
4.11	A510	See attached for revised details A2, A6, C2, E3 and E5.
4.13	A511	See attached for added Details A2, C2 and D6, and revised details A5 and B5.
4.14	A512	See attached for added Details C2, and revised details C4, B3, B5, A3 and A5.
4.14	A521	See attached for added Running Track Sections - E4, D4/A521.
4.4	A561	See attached for added detail D3, and revised details A6, D4 and E4.
4.5	A562	See attached for added Sliding Window Glazing Details A6, B6, C6 and D6.
4.6	A572	See attached for added detail C3/A572 - CSC 110 Sliding Window Counter and revised Ceiling Anchor Detail C4/A572.
4.2	A580	See attached for added detail D4/A580 - Handrail at CMU Wall.
4.6	A600	See attached revised sheet for clarifications and revisions. Revised details D5, A5, revised door Type M, and revised glazing types.
4.7	A610	See attached revised sheet for new window Type A6 and added details and reference tags to the curtain walls.
4.8	A611	See attached for clarified dimensions to detail A6/A611 and added detail reference tags.
4.24	A660	See attached for revised signage schedule.

Specifications:

Item	Spec No	Description
4.1	06 4020	**Interior Architectural Woodwork** See attached for revised section.

4.1	07 2100	**Building Insulation** See attached for revised section.
4.2	07 4213	**Metal Soffit Panels** See attached for revised section.
4.3	07 4243	**Composite Metal Panels** See attached for revised section.
4.4	075416	**Ethylene Interpolymer (KEE) Roofing** See attached for revised section.
4.5	07 5421	**Polyvinyl-Chloride (PVC) Roofing** See attached for revised section.
4.6	07 8126	**Intumescent Paints** See attached for revised section.
4.7	08 4329	**Sliding Automatic Entrance Doors** See attached for revised section.
4.8	08 4100	**Aluminum Entrances and Storefronts** See attached for revised section.
4.9	08 4416	**Glazed Aluminum Curtain Walls** See attached for revised section.
4.11	08 5619	**Aluminum Interior Sliding Service Window** See attached for added section.
4.11	08 7100	**Door Hardware** See attached for revised section.
4.13	08 8000	**Glazing** See attached for revised section.
4.14	09 6567	**Resilient Athletic Flooring** See attached for revised section.
4.15	10 1400	**Signs** See attached for revised section.
4.15	10 2114	**Toilet Compartments (Phenolic)** See attached for revised section.

Approvals:

In addition to the manufacturers called out in the contract documents, the following manufacturers, trade names and products are acceptable with the provisions that they shall completely satisfy every requirement of the drawings, specifications, and all addenda, and 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. Any costs incurred due to the use of the following manufacturers shall be paid by the contractor.

Section	Material	Manufacturer	Action
07 4213	Metal Soffit Panels	Fire Stone Metal	acceptable
07 4243	Composite Metal Wall Panels	Fire Stone Metal	acceptable

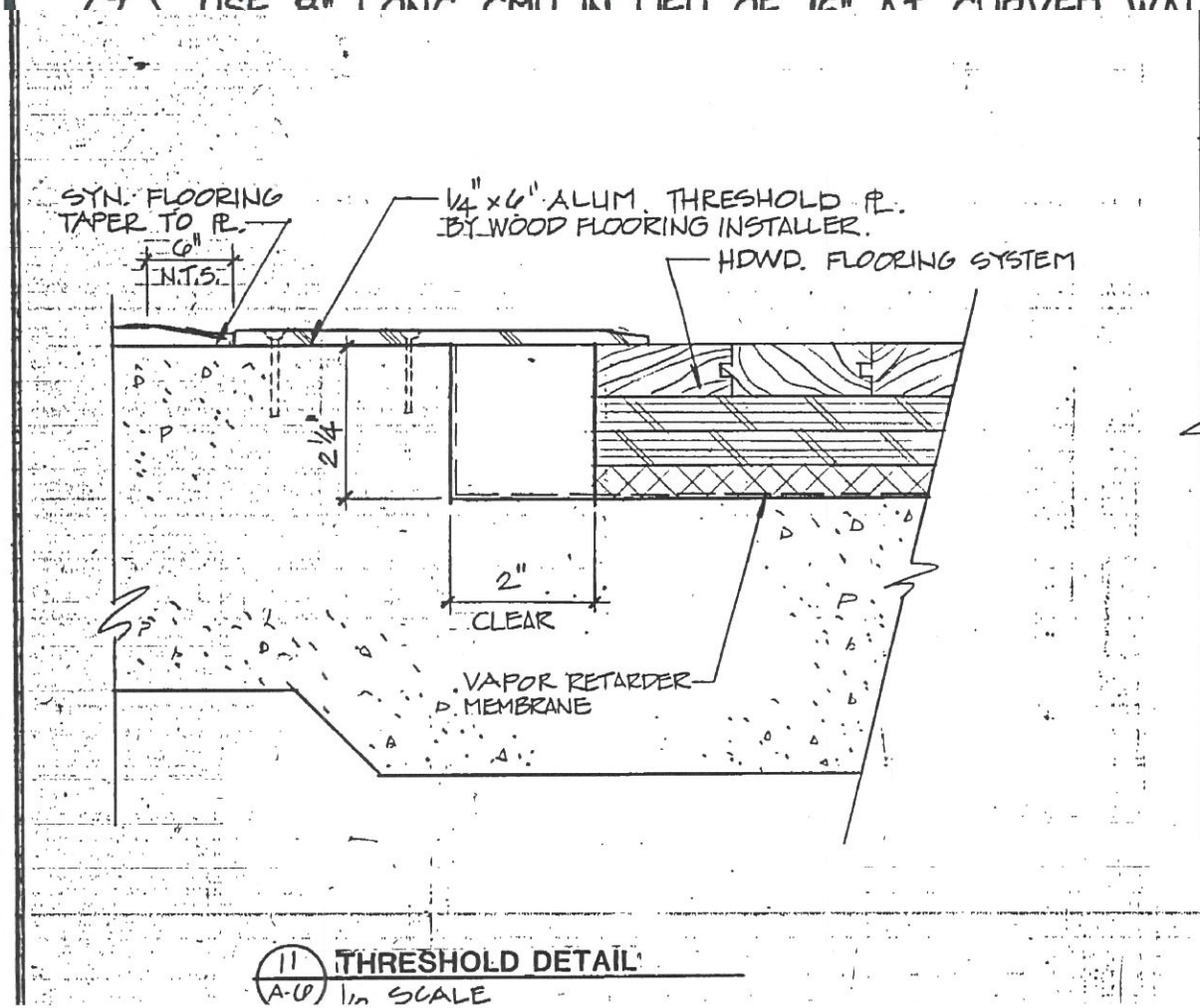
08 4329	Sliding Automatic Entrance Doors	Record-USA	acceptable
08 4100	Aluminum Entrances and Storefronts	Architectural Facades, Inc.	acceptable
10 2114	Toilet Compartments (Phenolic)	Bradley Mills	acceptable
06 4020	Interior Architectural Woodwork	Mapleleaf Cabinets	acceptable
09 6567	Resilient Athletic Flooring	Robbins Sports Surfaces	acceptable

End of Addendum 004

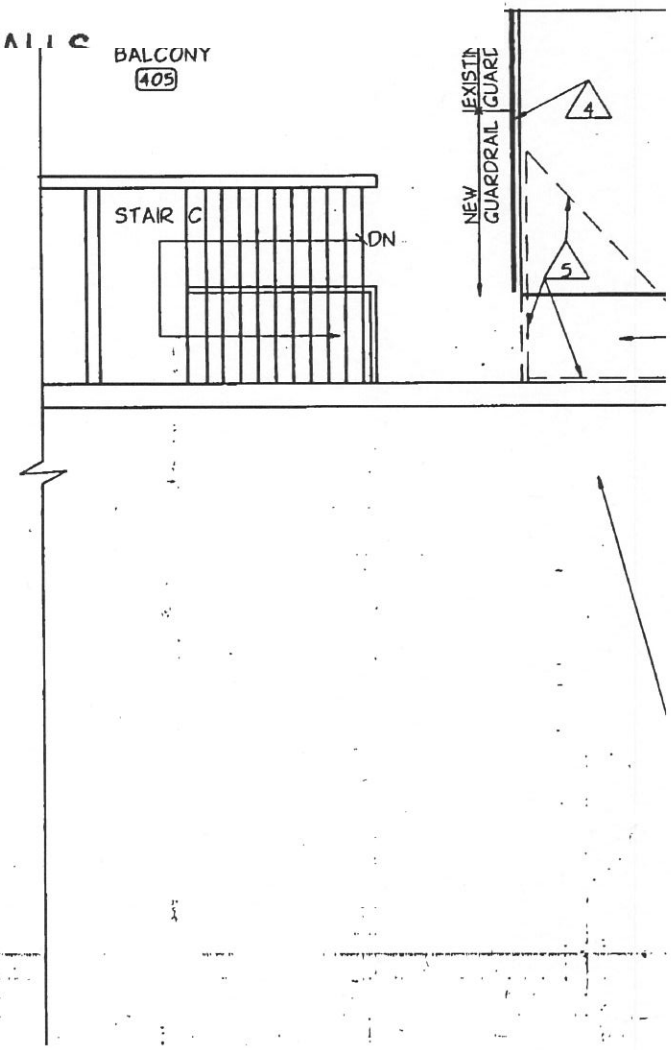
5 THICKEN SYN FLOOR 5mm AT TRACK. SEE 6/A6.

6 RECESS CONCRETE FLOOR 2-1/4" AT HARDWOOD FLOOR AREA. SEE 11/A6. SLAB THICKNESS UNDER HARDWOOD TO BE 4". (5" UNDER SYNTHETIC FLOOR)

7 USE 8" LONG CMU IN LIEU OF 16" AT CURVED WALLS



11 A-6 THRESHOLD DETAIL 1/2" SCALE



ANTICIPATED EXISTING CONDITION AT STROMBERG ARENA WOOD FLOOR.

WSU Stromberg Addition

Addendum #4 – October 24, 2012

General Clarification: Where the specifications reference "Available Manufacturers", any manufacturer furnishing products meeting the requirements of the Contract Documents will be considered by the Architect.

Section 06 4020 Interior Architectural Woodwork

Paragraph 2.1.A.7 – ***add*** the following as an approved woodwork fabricator:

"7. **Mapleleaf** Cabinets."

Section 07 2100 Building Insulation

Paragraph 2.2.D – ***change*** the flame-spread index maximum *from* "25" *to* "75".

Section 07 4213 Metal Soffit Panels

Paragraph 2.5.B.6 – ***add*** the following as an available manufacturer:

"6. Firestone; www.firestonemetal.com"

Section 07 4243 Composite Metal Wall Panels

Paragraph 2.5.A.2.e – ***add*** the following as an acceptable manufacturer:

"e. Firestone; www.firestonemetal.com"

Section 07 5416 Ethylene Interpolymer (KEE) Roofing

Paragraph 1.11.B.3 - ***add*** the following**:**

"3. Roof system shall be warranted for wind speeds up to 100 miles per hour."

Paragraph 2.1.A – ***delete*** reference to "no private labeling".

Paragraph 2.1.A.1.d – ***add*** the following as an acceptable manufacturer:

"d. Carlisle SynTec; Sure-Flex PVC KEE."

Paragraph 2.1.A.2 – ***change*** thickness requirement *from* **60 mils** *to* **45 mils**.

Paragraph 3.4.D - ***change*** …"a minimum of **6 inches** (150 mm) in either direction…" *to* "a minimum of **12 inches** in either direction"

Paragraph 3.4.E - ***delete*** existing paragraph and ***substitute*** the following new paragraph:

"E. Use pre-manufactured taper panels to create drain sumps. Do not use hand cut or field cut panels."

Section 07 5421 PolyVinyl-Chloride (PVC) Roofing

Paragraph 1.9.B.3 - ***add*** the following**:**

"3. Roof system shall be warranted for wind speeds up to 100 miles per hour."

Paragraph 2.1.A – ***delete*** reference to "no private labeling".

Paragraph 2.1.A.1.b – ***add*** the following as an acceptable manufacturer:

"d. Carlisle SynTec; Sure-Flex PVC."

Paragraph 2.1.A.2 – ***delete*** "nominal", ***substitute*** "57 mils minimum"***; delete*** "20 mils above reinforcing"***, substitute*** "26 mils above reinforcing".

Paragraph 3.4.D - ***change*** …"a minimum of **6 inches** (150 mm) in either direction…" *to* "a minimum of **12 inches** in either direction"

Paragraph 3.4.E - ***delete*** existing paragraph and ***substitute*** the following new paragraph:

"E. Use pre-manufactured taper panels to create drain sumps. Do not use hand cut or field cut panels."

Section 07 8126 Intumescent Paints

Add Paragraph 3.7.D:

"D. **Interior Ferrous Metal – Roof Deck**: Provide the following intumescent paint systems over interior ferrous-metal surfaces to provide **1 hour** protection of steel:

1. **Finish: Two coats over a primer.**
   a. **Prime Coat:** Latex-type primers applied at the spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 4 mils (0.1 mm).
      1) AD: Metal primer as approved by AD and compatible with UL design number.
      2) Albi: 490W Corrosion Resistant Metal Primer.
   b. **Fireproofing Coat:** Flat, intumescent-type, fire-retardant, latex paint applied at the spreading rate recommended by the manufacturer to achieve a total dry film thickness sufficient to meet the UL Design number noted on the Drawings.
      1) AD: A/D Firefilm III.
      2) Albi: Albi-Clad TF Latex Flat Interior finish.
   c. **Reinforcement:** Where required by the UL Design Number, embed fiberglass ribbon in the midpoint of the fireproofing coat. Fiberglass shall not be visible through finish coat.
   d. **Decorative Top Coat:** Coating applied at the spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 4 mils (0.1 mm) and as required to completely cover base coat and to provide a uniform color. Apply multiple coats as needed.
      1) AD: A/D Colorcoat, silicone alkyd paint. Color and sheen to match that indicated in Finish Schedule.
      2) Albi: Product approved by intumescent manufacturer and providing the color(s) and sheen level indicated in Finish Schedule."

Section 08 4329 Sliding Automatic Entrance Doors

Paragraph 2.1.A.1 – ***add*** the following as an available manufacturer:

"e. record - usa; www.record-usa.com"

Section 08 4100 Aluminum Entrances and Storefronts

Paragraph 1.5.E.1 – ***change*** maximum assembly U value *from* "**0.33**" *to* "**0.40**".

Paragraphs 2.1.B.6 & 7: ***add*** the following as acceptable manufacturers:

"6. **Architectural Facades**, Inc., an LCG Facades Company.
7. **Manko** Window Systems, Inc."

Section 08 4416 Glazed Aluminum Curtain Walls

Paragraph 1.5.D.1 – ***change*** maximum assembly U value *from* "**0.33**" *to* "**0.39**".

Paragraph 2.1.A.1.a – ***change*** Basis of Design curtainwall system ***from*** "1600 Wall System 3" ***to*** "1600 Wall System 1, outside glazed, pressure plate format" ***and*** "1600 Wall System 2, outside glazed, structural silicone glazed (SSG) type."

Paragraph 2.1.B.8 & 9: ***add*** the following as acceptable manufacturers:

"8. **Architectural Facades**, Inc., an LCG Facades Company.
9. **Manko** Window Systems, Inc."

Section 08 5619 Aluminum Interior Sliding Service Window

Add this section in its entirety (issued with this Addendum).

Section 08 7100 Door Hardware

General Note: All lever hardware shall be Corbin Russwin CL3300 series with "**Newport**" style trim.

Delete Hardware Set 8.0, ***substitute*** new Set 8.0:

"**Set: 8.0**
Doors: 102C

2 Continuous Hinge	MCK-12HD	CL	MK
1 Removable Mullion	907		RU
2 Exit Device	ED5200	630	RU
2 Door Pulls	111	US26D	RO
2 Door Closer	CPS7500 (7788 6891 as required)	689	NO
1 Gasketing	By door manufacturer"		

Add new Hardware Set 8.1:

"**Set: 8.1**
Doors 102B, 102D, 102E

2 Continuous Hinge	MCK-12HD	CL	MK
1 Removable Mullion	907		RU
2 Exit Device	ED5200	630	RU
2 Door Closer	CPS7500 (7788 6891 as required)	689	NO
1 Gasketing	By door manufacturer"		

Delete Door Number 101 from Set 9.0

Add new Hardware Set 9.1:

"**Set: 9.1**
Doors: 101

1 Continuous Hinge	MCK-12HD	CL	MK
1 Exit Device	ED5200	630	RU
1 Custom Pull	G3062-01-003-B	US26D	EL
1 Cylinder	(Assa V-10 as required)	626	AA
1 Door Closer	CPS7500 (7788 6891 as required)	689	NO
1 Gasketing	By door manufacturer"		

Add the following to Set 10.0:

"2 Magnetic Hold Open	998	689	RF"

Add Door 103H, ***delete*** Door 103P, and ***add*** the following to Set 13.0:

"2 Magnetic Hold Open	998 @ 103H, 103L, 103M	689	RF"

Delete Door 103H from Set 18.0.

Delete Hardware Set 21.0

Add the following to Set 24.0:

"1 Hands Free Opener	TOEPENER	US26D	TO"

Add new Hardware Set 26.0:

"**Set 26.0**
Doors 121A

1 PERSONA Exit Device	KP-PROX/P2-P2 LC 8877 ETL as req'd	US10B	SA
1 Cylinder	(Assa V-10 as required)	626	AA
1 Balance of Hardware	TO REMAIN		

Note: Remove exit device and door contact from leaf on which new PERSONA exit device will be installed. Card Reader, door contact and request to exit are built into the new exit device. Existing door will require additional holes be drilled to mount new exit device."

Add new Hardware Set 27.0:

"**<u>Set 27.0</u>**
Doors: 110

3 Hinge	T4A3786	US26D	MK
1 Keypad Lock	REUSE EXISTING TRILOGY	626	
1 Cylinder	REUSE EXISTING (Assa V-10 as req'd)	626	
1 Door Closer	7500	689	NO
1 Kick Plate	K105 10" x 2" LDW	US32D	RO
1 Wall Stop	406	US32D	RO
1 Gasketing	S773BL		PE"

Note: Salvage existing keypad lock to be installed on new door.

Add new Hardware Set 28.0:

"**<u>Set 28.0</u>**
Doors: 105D

6 Hinge	T4A3786	US26D	MK
1 Flush Bolt Set (HM)	2945	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Keypad Lock	TRILOGY TO MATCH EXISTING LC	626	
1 Cylinder	(Assa V-10 as req'd)	626	AA
1 Coordinator	1700	Black	RO
2 Door Closer	7500	689	NO
2 Kick Plate	K105 10" x 2" LDW	US32D	RO
2 Wall Stop	406	US32D	RO
1 Gasketing	S773BL		PE
1 Meeting Stile Astragal	18041CNB		PE"

Section 08 8000 Glazing

Paragraph 1.6.O.1 – ***change*** maximum assembly U value *from* "**0.33**" *to* "**0.40**".

Section 09 6567 Resilient Athletic Flooring

Paragraph 2.2.A.2 **- add** the following as an acceptable manufacturer (inclusion is subject to compliance with all requirements of Contract Documents):

"2. **Robbins Sports Surfaces: Durathon Elite Track**".

Section 10 1400 Signs

Paragraph 1.2.A.5 - ***add*** the following to the Section scope:

"5. **Billboard graphics**."

Paragraph 2.9 – ***add*** the following:

"**2.9 BILLBOARD GRAPHICS**

A. **Provide 3M™ Controltac™ Electrostatic Graphic Film 8620** (ES) or Architect approved equivalent, meeting the following requirements:
1. **Film:** 2.0 mil, white opaque vinyl.
2. **Thickness** (Film and Adhesive): 3 to 4 mil.
3. **Adhesive Type and Color**: Repositionable, pressure activated; gray color.
4. **Liner**: 94 pound premium performance liner.
5. **Tensile Strength**: 5 pound/inch at 73° F.
6. **Applied Shrinkage**: 0.015 inch.
7. **Flame Spread** per ASTM E84-91a: 5
8. **Smoke Developed** Index per ASTM E84-91a: 15
9. **Roll Size**: Minimum 49 inches x 50 yards.

B. **Provide** 3M™ Scotchcal™ Electrostatic **Protective Overlaminate** 8912 (ES), High Gloss Graffiti Resistant, or Architect approved equivalent.

C. **Provide toner and image transfer media** as recommended and as approved by the graphic film manufacturer for the application indicated.

D. **Verify graphic image** with Architect prior to printing. Image shall be electrostatically printed onto transfer media and then heat transferred onto graphic film in accordance with manufacturer's instructions.

E. **Provide** manufacturer's **warranty** for interior applications of **not less than eight (8) years** covering the performance of the material system."

Section 10 2114 Toilet Compartments (Phenolic)

Paragraph 2.1.A.8 – ***add*** the following as an available manufacturer:

"8. Bradley (Mills); www.bradleycorp.com"

END OF ADDENDUM SPECIFICATION MODIFICATIONS

SECTION 08 5619

ALUMINUM INTERIOR SLIDING SERVICE WINDOW

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:**
1. Aluminum, medium-duty **interior sliding service window** as indicated in Drawings.

B. **Related Requirements:**
1. **Division 2** Section "**Cutting and Patching**" for removing of existing hollow metal frame in opening.
2. **Division 8** Sections "**Aluminum Entrances and Storefronts**" and "**Glazed Aluminum Curtain Walls**" for coordinating finishes of aluminum systems.
3. **Division 8** Section "**Glazing**" for 1/4 inch fully tempered glass to be installed in sliding service window system.

1.3 SUBMITTALS

A. **Product Data**: Submit Manufacturer's technical product data substantiating that products comply with requirements of Contract Documents.

B. **Shop Drawings**: Submit for fabrication and installation of windows. Include details, elevations and installation requirement of finish hardware and cleaning.

C. **Certification:** Provide printed data in sufficient detail to indicate compliance with the contract documents.

1.4 DELIVERY, STORAGE, AND HANDLING

A. **Deliver windows crated** to provide protection during transit and job storage

B. **Inspect windows upon delivery** for damage. Unless minor defects can be made to meet the Architect's specifications and satisfaction, damaged parts should be removed and replaced.

C. **Store windows** at building site **under cover** in dry location.

1.5 PROJECT CONDITIONS

A. **Field measurements:** Check opening by accurate field measurement before fabrication. Show recorded measurements on shop drawings. Coordinate fabrication schedule with construction progress to avoid delay of work.

1.6 WARRANTY

A. All material and workmanship shall be warranted against defects for a period of o**ne (1) year** from Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. **Basis of Design: S**ubject to compliance with requirements, Contract Documents are based on products specified below (and as modified herein) to establish a standard of quality. Other manufacturers with products having equivalent characteristics may be considered, provided deviations are minor and design concept as expressed in the Contract Documents is not changed, as judged by the Architect.
   1. **Manufacturer:** C.R. Laurence Co., Inc.
   2. **Product:** "Diane" (OXXO; X = sliding panel, O = fixed panel, as viewed from clerk's side) as customized below.

2.2 MATERIALS

A. **Frames**: Aluminum frame modules shall be constructed of 6063-T5 extruded aluminum. Window rolls on top-hung ball bearing rollers. Catch locks included with all interior windows. Overall frame sizes are to be in accordance with the Contract Drawings.

B. **Finish:** All aluminum to be clear anodized.

C. **Glazing:** Glazing vinyl supplied for ¼ inch in thickness. Glass supplied by Division 8 Section "Glazing" (Type C: 1/4 inch fully tempered, clear).

D. **Accessories:** Keyed lock, D1670 overhead track, deck catches, spring-loaded guides. Coordinate keying of lock with Owner's building system.

E. **Jambs:** Provide with additional clear anodized jamb and head framing (matching storefront system profile) to conceal areas affected by removal of existing hollow metal frame.

2.3 FABRICATION

A. **Manufacture unit to fit existing opening**, incorporating additional framing as required to conceal removal of existing hollow metal frame at jambs. Fabricate unit to fit full height of existing opening. Use manufacturer's "D1032" assembly.

B. **Unit shall have 4 equal panels**, two fixed and two operable.

C. **Factory glaze** using glass furnished by Division 8.

D. **Complete fabrication**, assembly, finishing, hardware application, and other work **in the factory** to greatest extent possible. Disassemble components only as necessary for shipment and installation.

2.4 ALUMINUM FINISHES

A. **Finish designations** prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.

B. **Class I, Clear Anodic Finish**: AA-M12C22A41 (Mechanical Finish: nonspecular as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class I, clear coating 0.018 mm or thicker) complying with AAMA 611.

PART 3 - EXECUTION

3.1 INSTALLATION

A. **Install window in accordance with manufacturer's printed instructions** and recommendations. Repair damaged units as directed (if approved by the manufacturer and the Architect) or replace with new units.

B. **Coordinate installation** with new countertop.

C. **Install new aluminum jamb frame pieces** of sufficient depth to cover removal of existing hollow metal framing.

3.2 CLEANING

A. **Clean frame and glazing surfaces** after installation, complying with requirements contained in the manufacturer's instructions. Remove excess glazing sealant compounds, dirt or other substances.

3.3 PROTECTION

A. **Institute protective measures** required throughout the remainder of the construction period to ensure that all the windows do not incur any damage or deterioration, other than normal weathering, at the time of acceptance.

END OF SECTION

ADDENDUM #04

Project: WSU Student Activity Center-Stromberg Addition **Project No.:** 12606
Location: Ogden, Utah **Date:** 24 October 2012
Addendum by: Jeremy Achter, S.E.

Sheet G003
-Special Inspection requirements have been added in the high-strength bolting section.

Sheet S122
-HAS requirements have been clarified at the south-west mezzanine framing.
-Steel columns have been added for the ceiling framing support at both the south-west and south-east mezzanines.
-Floor framing has been simplified at the south-east mezzanine.

Sheet S123
-Detail E1/S407, sim. has been added at the 3 pilasters on gridline 2.5.
-Detail D1/S407 at E-2 has been noted as similar.

Sheet S132.1
-This is a new sheet with the mezzanine ceiling framing plans and details.

Sheet S142
-The roof upgrade requirements have been revised in the south-east corner for the support of the mezzanine ceiling framing.

Sheet S143
-Add load requirements have been added to the joist designations between gridlines F and G and 3 and 4 for the exercise rods that attach to the joist bottom chords.

Sheet S201
-The beam connections in details A3 and C3 have been revised.

Sheet S204
-Moment frame beam connection details D1 and D5 have been revised.

Sheet S401
-Circle L has been added to detail B4.

Sheet S402
-Circle L has been added to details B5 and C3.

Sheet S403

-Circle L has been added to details A5, B2, B5, C1, C3, D3, E1, E3.
-Detail B2 has been revised.

Sheet S404

-Circle L has been added to detail C5.
-Detail E3 has been revised.

Sheet S405

-Circle L has been added to details C5, D3, D4, D5, E1, E2, E3, E4, E5.

Sheet S406

-Circle L has been added to details B4 and E1.

Sheet S407

-Circle L has been added to details D2, D3, D4, D5.
-Details D1, D4, and E1 have been revised.

Sheet S408

-Circle L has been added to detail C2.
-Detail E2 is a new detail.

Filing:(x) project file () other
WSU Student Activity Center-Stromberg Addition_Struct_ADD04_102412

COLVIN ENGINEERING ASSOCIATES

MECHANICAL ADDENDUM NO. 4

WSU Stromberg Student Activity Center

CEA PROJECT NO. 2012-033.00

October 24, 2012

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.	Question:	Answer:
1.	F101 Shows the rework of the fire riser in the existing building. There is no indication how or if the new addition's fire sprinkler system is fed from this location of if the addition gets and new fire riser. Please advise.	See Note #7 on F101.
2.	The VFD's that have redundant VFD's; do they have the overloads in the air handling unit with 1 set of conductors and 1 ground between the air handler and the VFD?	Verify with the air handler supplier contractor on what is proposed to use in bid.
3.	The VFD schedule shows VFD 3 as 15 hp. Is this a total hp for all of the SF's or are there (4) 15 hp total or 60 hp total? Does this require (1) 60 hp VFD or 4 individual VFD's with redundant VFD's	Provide a VFD at 15 hp for each SF as listed on the air handling unit supply fan schedule. Provide each VFD/SF with an Auto – Transfer Back-up VFD as stated on schedule.
4.	The VFD schedule shows VFD 5 as 10 hp. Is this a total hp for all of the RF's or are there (2) 10 hp or 20 hp total? Does this require (1) 20 hp VFD or 2 individual VFD's with redundant VFD's	The VFD schedule shows VFD's 4 and 5 serving RF's 1 and 2 respectively. Provide a VFD for each RF at 10 hp as scheduled.
5.	Plan page M601 calls for NEMA 4X enclosure. Plan does not specify if this is ventilated or not. If this is not ventilated it would require SS and will be a minimum of $2,000.00 per drive enclosure adder. NEMA 3R would be a good value alternate for this application.	NEMA 4X is required. Provide unit to operate on roof as shown and include any ventilation required.
6.	Do the VFD's require Bypass?	No, see specification section 230810.
7.	What communication is required, ie; Modbus, Devicenet, etc.?	See electronic controls specification section 230900: JCI METASYS.

PRODUCT SUBSTITUTIONS / PRIOR APPROVALS

Item No.	Product Type	Alternate Manufacturers
1	Calibrated Balance Valve	Nexus Valve

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. 4

Addendum No. Four
for the
Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

CHANGES TO THE DRAWINGS: IN ORDER AS FOLLOWS:

E1.1 SHEET EE-001

1. Power pack and pendant mounted light fixture has been added to the Lighting System Symbol List.

E1.2 SHEET EE-002

1. Additional manufacturers have been added to the Light Fixture Schedule. See revised drawings for more information.

E1.3 SHEET EE-003

1. Concrete pole base detail has been added.

E1.4 SHEET EE-005

1. New circuits tied to existing panel "L1" will not fit in existing panel. These circuits have been removed from "L1" with a note that says to tie the circuit to a 20 amp, 120 volt spare circuit breaker in the nearest 120/208 volt panel with available capacity.

E1.5 SHEET EE-006

1. Panel "LP", a 100A. 3-phase circuit breaker has been added to feed new panel "L10".

E1.6 SHEET EDS-100

1. Existing light pole on north end of parking lot is to be removed and relocated to make room for new stairs. See revised drawings for more information.

E1.7 SHEET ED-101A

1. Note #5 has been modified. See revised drawings for more information.
2. Special notes #3 and 4 have been added. See revised drawings for more information.
3. Note #1 has been added to a few devices that did not have reference notes attached to them. See revised drawings for more information.

E1.8 SHEET ED-102B

1. There are two existing TV's suspended from the structure in the workout area on the south side of the basketball courts. These TV's are to be removed to make room for the new bridge and re-installed on the south side of the bridge. Extend existing conduit and conductors. Coordinate exact location with architect.
2. Existing exit sign on east wall is to be removed to make room for new bridge and re-installed a few feet lower below the bridge.
3. Special notes #3 and 4 have been added. See revised drawings for more information.

E1.9 SHEET ED-102A

1. Existing high bay light fixtures over the new track are to be raised and mounted to the deck. See revised drawings for more information.
2. A shaded area has been added to the drawings. Any electrical devices, light fixtures, conduit, conductors, etc. mounted to the deck in this area is to be removed or temporarily supported from the existing beams while roof is removed and re-installed after the roof has been re-installed. See revised drawings for more information.
3. Special notes #3 and 4 have been added. See revised drawings for more information.

ELECTRICAL CONSULTING ENGINEERS
www.eceonline.com
801 521 8007 801 521 8057 FAX
939 SOUTH WEST TEMPLE SALT LAKE CITY UTAH 84101

ECE
ELECTRICAL CONSULTING ENGINEERS

E1.10 SHEET ED-102B

1. Existing high bay light fixtures over the new track are to be raised and mounted to the deck. See revised drawings for more information.
2. A shaded area has been added to the drawings. Any electrical devices, light fixtures, conduit, conductors, etc. mounted to the deck in this area is to be removed or temporarily supported from the existing beams while roof is removed and re-installed after the roof has been re-installed. See revised drawings for more information.
3. Special notes #3 and 4 have been added. See revised drawings for more information.
4. Note #17 has been added to the revised drawings. There are two new windows being cut into the south wall. Re-route conduit and conductors in this wall to allow installation of new windows.

E1.11 SHEET EP-101

1. The termination of the communication conduits in note #4 was shown in the wrong location. See revised drawings for correct location.

E1.12 SHEET EP-101A

1. Note #2 has been added to a few existing devices that did not have reference notes attached to them. See revised drawings for more information.

E1.13 SHEET EP-101B

1. Location of new fire alarm control panel has been shown in ELEC. 103P.
2. Circuits tied to panel “L4” have been removed from “L4” with a note that says to tie circuit to a 20 amp, 120 volt, spare circuit breaker in the nearest 120/208 volt panel with available capacity.
3. Notes #18 and 19 have been added for the fire alarm control panel.

E1.14 SHEET EP-101C

1. All 120 volt normal power circuits on the south side have been re-circuited to new panel “L10”.

E1.15 SHEET EP-102B

1. All 120 volt normal power circuits on the southwest side have been re-circuited to new panel “L10”.
2. New location of existing TV’s have been shown. See revised drawings for more information.

E1.16 SHEET EP-102C

1. Delete smoke detector shown in north stairs.
2. All 120 volt normal power circuits on the south side have been re-circuited to new panel “L10”.

E1.17 SHEET EP-103C

1. All 120 volt normal power circuits on the south side have been re-circuited to new panel “L10”.

E1.18 SHEET ES-101

1. New location of existing light pole on north end of parking lot is shown. See revised drawings for more information.
2. Tie south existing light pole to the same circuit as the other light poles. Tie through time clock. See revised drawings for more information.

E1.19 SHEET EL-101B

1. T-4 strip light fixture in F.R. 105A has been changed to emergency. See revised circuiting for more information.

www.eceonline.com

801 521 8007 801 521 8057 FAX

939 SOUTH WEST TEMPLE SALT LAKE CITY UTAH 84101

ECE
ELECTRICAL CONSULTING ENGINEERS

E1.20 SHEET EL-101C

1. Furnish and install (2) two T-24 light fixtures recessed inside the exterior visor at each column. See revised drawings for more information.
2. The light fixtures in the north stairs are to be type T-25.
3. Furnish and install a ceiling mounted ultrasonic motion sensor in the north stairs to control the stair light fixtures.
4. Notes #10, 11 and 12 have been added. See revised drawings for more information.

E1.21 SHEET EL-102B

1. Disconnect Southeast emergency light fixtures from the Southwest emergency light fixtures. Tie the Southeast emergency light fixtures to the nearest 277 volt unswitched emergency lighting circuit. Tie the Southwest emergency light fixtures to circuit H3E-6.

E1.22 SHEET EL-102C

1. Additional light fixtures were added in the high ceilings above Control 100. See revised drawings for more information.
2. Three (3) additional T-12 light fixtures were added in the high exterior soffit just south of Control 100.
3. Two (2) exit signs were added in each Fitness Studio.
4. Furnish and install a ceiling mounted ultrasonic motion sensor in the north stairs to control the stair light fixtures.
5. An exit sign was added in each Locker room.
6. Two (2) T-15 light fixtures have been deleted at the bottom of the southeast stair.
7. Notes # 10 and 11 have been added. See revised drawings for more information.

E1.23 SHEET EL-103A

1. Existing high bay light fixtures over the new track are to be raised and mounted to the deck. See revised drawings for more information.
2. Notes # 4 and 5 have been added.

E1.24 SHEET EL-103B

1. Existing high bay light fixtures over the new track are to be raised and mounted to the deck. See revised drawings for more information.
2. Notes # 4 and 5 have been added.

E1.25 SHEET EL-103C

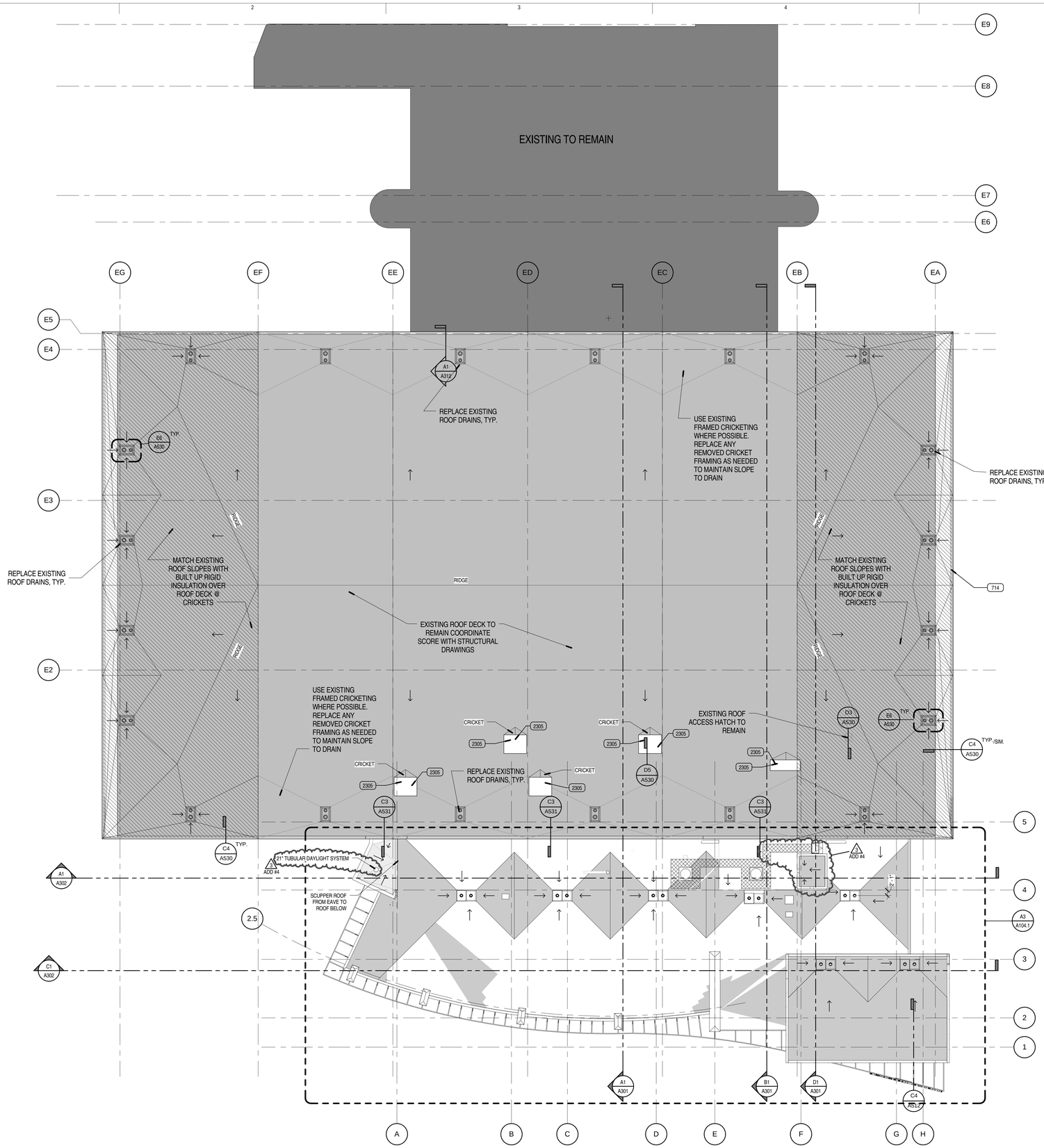
1. North stair light fixtures have changed. See revised drawings for more information.
2. Furnish and install two (2) ceiling mounted ultrasonic motion sensors in north stair to control stair light fixtures.
3. Light fixtures in Circulation 300 have changed. See revised drawings for more information.
4. Install Photocell on the exterior wall of Stairs 399C.
5. Notes #3 and 4 have been added. See revised drawings for more information.

END OF ADDENDUM No. 3

www.eceonline.com

801 521 8007 801 521 8057 FAX

939 SOUTH WEST TEMPLE SALT LAKE CITY UTAH 84101



A2 ROOF - OVERALL PLAN

SCALE: 1/16" = 1'-0"

0' 8' 16' 32' 48'

NORTH

KEYED NOTES

714 PRE-FINISHED CONT. METAL FLASHING
2305 MECHANICAL EQUIPMENT

ROOF PLAN NOTES

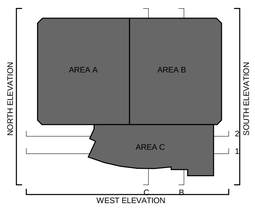
- STRUCTURE UPGRADE UNDER THIS PORTION OF EXISTING ROOF
- SINGLE PLY MEMBRANE ROOFING SYSTEM OVER TAPERED INSULATION MINIMUM SLOPES AT CRICKETS: 1/8" ALONG VALLEY, 1/4" ACROSS CRICKET & OVER FRAMED CRICKETING @ EXISTING LOCATIONS
- PROTECTIVE WALKABLE SURFACE
- DECK RIDGE OR VALLEY
- AREAS HATCHED AS SUCH SHALL NOT HAVE ANY PENETRATIONS THRU THE ROOF IN ORDED TO MAINTAIN THE 2 HOUR FIRE WALL ASSEMBLY LOCATED BELOW THE DECK (AS PER 2006 IBC SECTION 705.6.3)

T.O.I. TOP OF INSULATION
T.O.S. TOP OF STUD AT PARAPET
D.B. DECK BEARING

GENERAL ROOF NOTES

1. ALL ROOF DECK IS TO BE COVERED IN R-30 INSULATION AND SPECIFIED ROOFING SYSTEM.
2. THE CONTRACTOR IS TO ASSURE THAT THE MINIMUM ROOF SLOPE IS NOT LESS THAN 1/2" PER FOOT. ANY AREA THAT IS LESS THAN 1/2" PER FOOT SLOPE SHALL BE ADJUSTED AT THE CONTRACTORS EXPENSE WITH CRICKETING TO PROVIDE THE REQUIRED SLOPE.
3. DECK BEARING ELEVATIONS SHOWN ON THIS SHEET ARE TO BE INCLUDED FOR ARCHITECT'S REFERENCE ON ALL STEEL SHOP DRAWINGS.
4. ALL ROOFING CRICKETS ARE TO BE CONSTRUCTED OF TAPERED INSULATION. CRICKETS ARE TO BE INSTALLED SO THAT A SLOPE OF 1/4" PER FOOT IS MAINTAINED ACROSS THE FACE OF THE CRICKET.
5. PROVIDE CRICKETS AT **ALL** ROOF TOP MOUNTED EQUIPMENT (I.E. SKYLIGHTS, ROOF HATCHES, ETC.) TO ASSURE POSITIVE DRAINAGE AROUND SUCH ELEMENTS.
6. ALL FLASHING, COUNTER FLASHING AND SHEET METAL WORK TO COMPLY WITH THE MINIMUM STANDARDS PER THE CURRENT EDITION OF SMACNA.
7. NOT ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL ROOF PLAN SHEETS. IN ADDITION TO THE ARCHITECTURAL, THE CONTRACTOR IS RESPONSIBLE FOR REFERENCING THE STRUCTURAL, MECHANICAL AND ELECTRICAL DOCUMENTS FOR ALL SUCH OCCURRENCES. ALL PENETRATIONS OF THE ROOF SHALL MEET WITH THE ROOFING MANUFACTURER'S RECOMMENDATIONS TO MAINTAIN INTEGRITY OF ROOFING SYSTEMS.
8. THE CONTRACTOR IS RESPONSIBLE AT BIDDING, FOR PROVIDING A MANUFACTURER'S APPROVED ROOFING DETAIL FOR ALL ROOFING CONDITIONS SO THAT THE SPECIFIED WARRANTY IS OBTAINED. IF A CONDITION SHOWN IN THESE CONSTRUCTION DOCUMENTS DOES NOT MEET THE REQUIREMENTS OF THE ROOFING MANUFACTURER THESE CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING AND INSTALLATION OF THE APPROVED DETAIL.
9. THE CONTRACTOR IS TO CONFIRM THE ROOFING SYSTEM THICKNESS, INCLUDING THE RIGID INSULATION PRIOR TO INSTALLING CURB AND PARAPET BLOCKING. BLOCKING AND CURB HEIGHTS ARE TO BE ADJUSTED AS NEEDED TO CONFORM TO THE ROOFING THICKNESS TO MEET REQUIREMENTS FOR WARRANTY.
10. WHERE ROOFING MEMBRANE IS SHOWN EXTENDING UP TO THE TOP OF THE PARAPET, THE MEMBRANE IS TO WRAP UP, OVER AND DOWN THE WOOD BLOCKING. THE AIR INFILTRATION BARRIER IS TO EXTEND UP EXTERIOR FACE OF WALL AND FULLY OVER THE TOP OF THE PARAPET WALL AND UNDER THE SILL BLOCK FLASHING. VERIFY WALL TYPE FOR PARAPET CAP WIDTH, SEE DETAILS ON SHEET CS/A530. CONTRACTOR TO SEQUENCE WORK TO MEET THIS REQUIREMENT.
11. ALL TOPS OF PARAPETS TO BE PROVIDED WITH 1/2" PER FOOT MINIMUM POSITIVE SLOPE TOWARD THE ROOF FOR ADEQUATE DRAINAGE.
12. ALL PRE-MANUFACTURED MECHANICAL CURBS ARE TO BE MANUFACTURED TO ACCOMMODATE ROOF SLOPE. THEY MUST BE OF ADEQUATE HEIGHT TO ALLOW FOR THE DEPTH OF THE ROOF INSULATION, INCLUDING CRICKETS AND HAVE 8" HEIGHT ABOVE THE ROOF MEMBRANE, SEE DETAIL A2/A530.
13. SKYLIGHTS ARE TO BE INSTALLED SO THE TOP OF SKYLIGHT SLOPES 1/2" PER FOOT MINIMUM. THIS SLOPE IS TO SLOPE IN THE DIRECTION OF THE ROOF BELOW. FOR TYPICAL SKYLIGHT CURB, SEE DETAIL D3/A530.
14. ROOF DRAINS ARE TO BE INSTALLED IN A TWO LEVEL DRAIN BASIN. THE BASIN IS TO BE CONSTRUCTED USING LAYERS OF ROOFING INSULATION. SEE DETAILS D4, E5 AND E6/A530.
15. FOR TYPICAL LADDER, SEE DETAILS A4 AND C4 /A530.
16. FOR TYPICAL ROOF PIPE PENETRATIONS, SEE DETAIL D6/A530.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

ROOF PLAN

A104

10/24/2012 1:30:13 PM

ROOF PLAN NOTES

	STRUCTURE UPGRADE UNDER THIS PORTION OF EXISTING ROOF
	SINGLE PLY MEMBRANE ROOFING SYSTEM OVER TAPERED INSULATION MINIMUM SLOPES AT CRICKETS: 1/8" ALONG VALLEY, 1/4" ACROSS CRICKET & OVER FRAMED CRICKETING @ EXISTING LOCATIONS
	PROTECTIVE WALKABLE SURFACE
	DECK RIDGE OR VALLEY
	AREAS HATCHED AS SUCH SHALL NOT HAVE ANY PENETRATIONS THRU THE ROOF IN ORDED TO MAINTAIN THE 2 HOUR FIRE WALL ASSEMBLY LOCATED BELOW THE DECK (AS PER 2006 IBC SECTION 705.6.3)
T.O.I.	TOP OF INSULATION
T.O.S.	TOP OF STUD AT PARAPET
D.B.	DECK BEARING

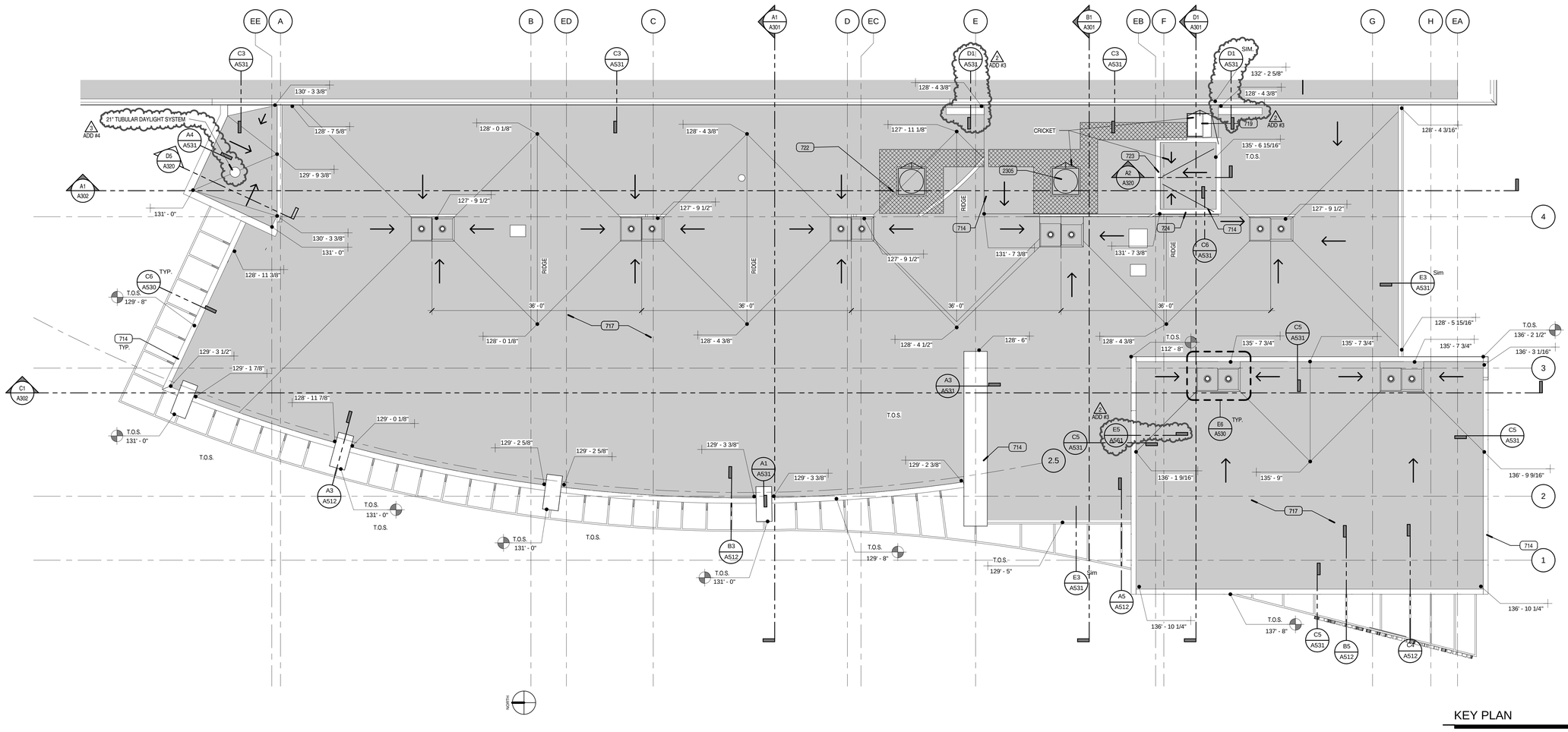
GENERAL ROOF NOTES

1. ALL ROOF DECK IS TO BE COVERED IN R-30 INSULATION AND SPECIFIED ROOFING SYSTEM.
2. THE CONTRACTOR IS TO ASSURE THAT THE MINIMUM ROOF SLOPE IS NOT LESS THAN 1/2" PER FOOT. ANY AREA THAT IS LESS THAN 1/2" PER FOOT SLOPE SHALL BE ADJUSTED AT THE CONTRACTORS EXPENSE WITH CRICKETING TO PROVIDE THE REQUIRED SLOPE.
3. DECK BEARING ELEVATIONS SHOWN ON THIS SHEET ARE TO BE INCLUDED FOR ARCHITECT'S REFERENCE ON ALL STEEL SHOP DRAWINGS.
4. ALL ROOFING CRICKETS ARE TO BE CONSTRUCTED OF TAPERED INSULATION. CRICKETS ARE TO BE INSTALLED SO THAT A SLOPE OF 1/4" PER FOOT IS MAINTAINED ACROSS THE FACE OF THE CRICKET.
5. PROVIDE CRICKETS AT **ALL** ROOF TOP MOUNTED EQUIPMENT (I.E. SKYLIGHTS, ROOF HATCHES, ETC.) TO ASSURE POSITIVE DRAINAGE AROUND SUCH ELEMENTS.
6. ALL FLASHING, COUNTER FLASHING AND SHEET METAL WORK TO COMPLY WITH THE MINIMUM STANDARDS PER THE CURRENT EDITION OF SMACNA.
7. NOT ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL ROOF PLAN SHEETS. IN ADDITION TO THE ARCHITECTURAL, THE CONTRACTOR IS RESPONSIBLE FOR REFERENCING THE STRUCTURAL, MECHANICAL AND ELECTRICAL DOCUMENTS FOR ALL SUCH OCCURRENCES. ALL PENETRATIONS OF THE ROOF SHALL MEET WITH THE ROOFING MANUFACTURER'S RECOMMENDATIONS TO MAINTAIN INTEGRITY OF ROOFING SYSTEMS.
8. THE CONTRACTOR IS RESPONSIBLE AT BIDDING, FOR PROVIDING A MANUFACTURER'S APPROVED ROOFING DETAIL FOR ALL ROOFING CONDITIONS SO THAT THE SPECIFIED WARRANTY IS OBTAINED. IF A CONDITION SHOWN IN THESE CONSTRUCTION DOCUMENTS DOES NOT MEET THE REQUIREMENTS OF THE ROOFING MANUFACTURER THESE CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING AND INSTALLATION OF THE APPROVED DETAIL.
9. THE CONTRACTOR IS TO CONFIRM THE ROOFING SYSTEM THICKNESS, INCLUDING THE RIGID INSULATION PRIOR TO INSTALLING CURB AND PARAPET BLOCKING. BLOCKING AND CURB HEIGHTS ARE TO BE ADJUSTED AS NEEDED TO CONFORM TO THE ROOFING THICKNESS TO MEET REQUIREMENTS FOR WARRANTY.
10. WHERE ROOFING MEMBRANE IS SHOWN EXTENDING UP TO THE TOP OF THE PARAPET, THE MEMBRANE IS TO WRAP UP, OVER AND DOWN THE WOOD BLOCKING. THE AIR INFILTRATION BARRIER IS TO EXTEND UP EXTERIOR FACE OF WALL AND FULLY OVER THE TOP OF THE PARAPET WALL AND UNDER THE SILL BLOCK FLASHING. VERIFY WALL TYPE FOR PARAPET CAP WIDTH, SEE DETAILS ON SHEET C5/A530. CONTRACTOR TO SEQUENCE WORK TO MEET THIS REQUIREMENT.
11. ALL TOPS OF PARAPETS TO BE PROVIDED WITH 1/2" PER FOOT MINIMUM POSITIVE SLOPE TOWARD THE ROOF FOR ADEQUATE DRAINAGE.
12. ALL PRE-MANUFACTURED MECHANICAL CURBS ARE TO BE MANUFACTURED TO ACCOMMODATE ROOF SLOPE. THEY MUST BE OF ADEQUATE HEIGHT TO ALLOW FOR THE DEPTH OF THE ROOF INSULATION, INCLUDING CRICKETS AND HAVE 8" HEIGHT ABOVE THE ROOF MEMBRANE, SEE DETAIL A2/A530.
13. SKYLIGHTS ARE TO BE INSTALLED SO THE TOP OF SKYLIGHT SLOPES 1/2" PER FOOT MINIMUM. THIS SLOPE IS TO SLOPE IN THE DIRECTION OF THE ROOF BELOW. FOR TYPICAL SKYLIGHT CURB, SEE DETAIL D3/A530.
14. ROOF DRAINS ARE TO BE INSTALLED IN A TWO LEVEL DRAIN BASIN. THE BASIN IS TO BE CONSTRUCTED USING LAYERS OF ROOFING INSULATION. SEE DETAILS D4, E5 AND E6/A530.
15. FOR TYPICAL LADDER, SEE DETAILS A4 AND C4 /A530.
16. FOR TYPICAL ROOF PIPE PENETRATIONS, SEE DETAIL D6/A530.

KEYED NOTES

714	PRE-FINISHED CONT. METAL FLASHING
717	WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM
719	ROOF HATCH, SEE DETAIL D3/A530
722	TRAFFIC PAD OVER ROOF MEMBRANE
723	SIDEWALL SCUPPER PRIMARY, A3/A530
724	SIDEWALL SCUPPER OVERFLOW, A3/A530
2305	MECHANICAL EQUIPMENT

ADD #3

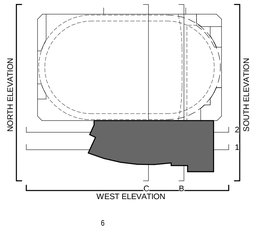


A3 ENLARGED

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

0' 4' 8' 16' 24'

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

STATE OF UTAH
BRENT R. TIPPETS
10-2-12

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

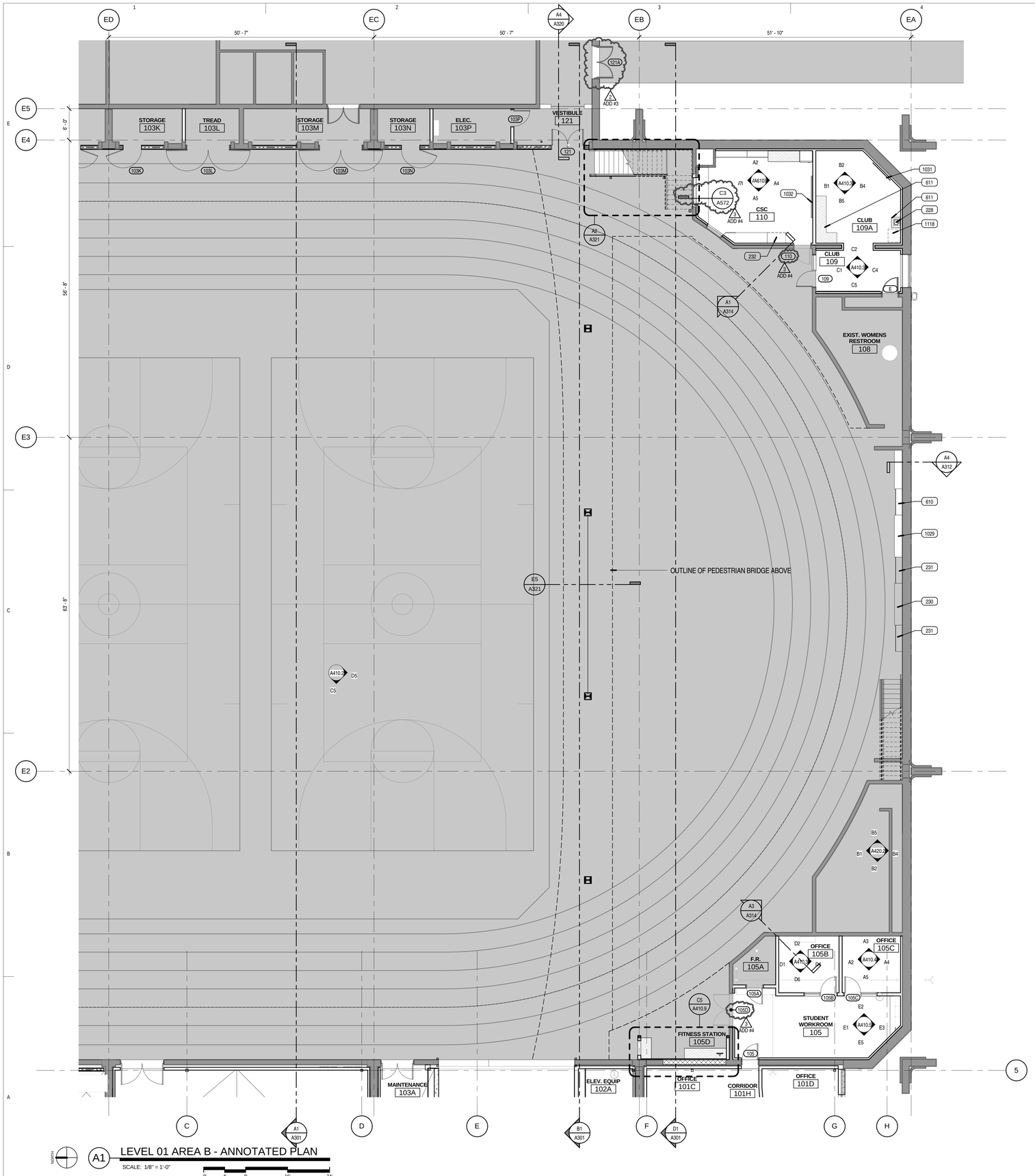
Rev #	Date	Description
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

ENLARGED ROOF PLAN

A104.1

10/24/2012 1:30:19 PM



A1 LEVEL 01 AREA B - ANNOTATED PLAN

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

ANNOTATED FLOOR PLAN NOTES

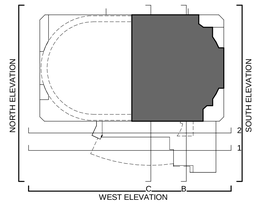
SYMBOLOGY	
B003F	DOOR NUMBER (SEE SHEET A600.0 FOR DOOR SCHEDULE)
C12	WINDOW NUMBER (SEE SHEETS A610.0, A611.0, A620.0 FOR WINDOW TYPES)
	EXISTING AREA/ ITEM TO REMAIN

1. WHERE FLOOR DRAINS ARE INSTALLED, THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT OT EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT, THE SLAB IS TO BE 6" THICK, U.N.O., AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC.
3. SEE TYPICAL FLOORING TRANSITION DETAILS SHEET A590.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVAITON TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TOW ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENTS SUCH AS A WALL OR FLOOR, AND 8" DIAMETER SHPERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE TYPICAL FIRE EXTINGUISER CABINET INSTALLATION DETAILS.

KEYED NOTES

228	EXG PLUMBING FIXTURE
230	EXG BENCH
231	EXG CUBBIES
232	EXG SOUND PANEL TO BE RELOCATED
610	FREE STANDING STORAGE CUBBY CABINET
611	PLASTIC LAMINATE COUNTERTOP
1029	BENCH/ SEAT
1031	LCD SCREEN NIC
1032	TACKABLE WALL SURFACE
1118	ELECTRIC WASHER AND DRYER NIC

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

LEVEL 01 AREA B - ANNOTATED PLAN

A112.2

10/24/2012 1:30:25 PM

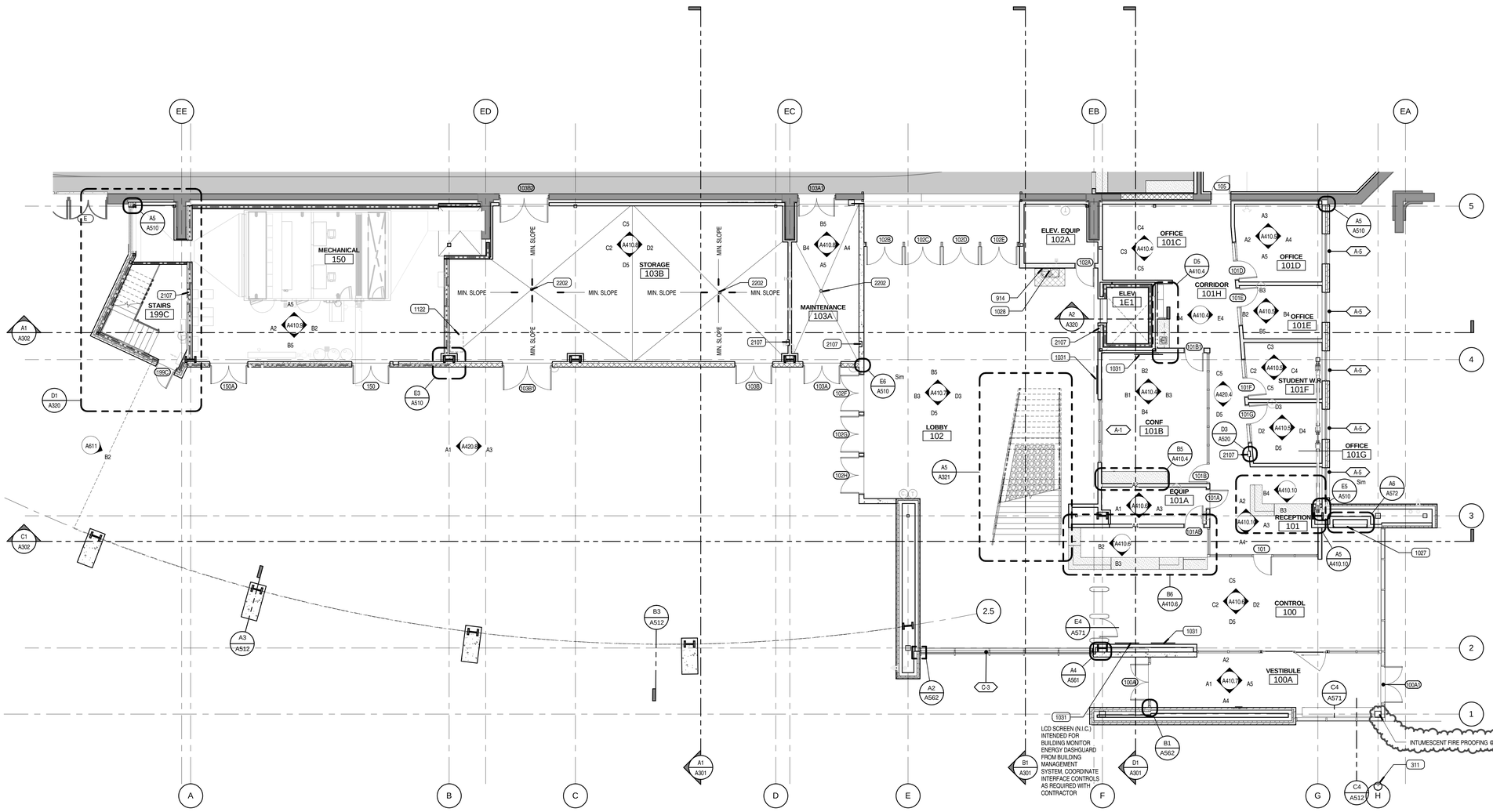
ANNOTATED FLOOR PLAN NOTES

SYMBOLOGY	
8003P	DOOR NUMBER (SEE SHEET A600.0 FOR DOOR SCHEDULE)
C12	WINDOW NUMBER (SEE SHEETS A610.0, A611.0, A620.0 FOR WINDOW TYPES)
	EXISTING AREA/ ITEM TO REMAIN

1. WHERE FLOOR DRAINS ARE INSTALLED, THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT OT EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT, THE SLAB IS TO BE 8" THICK, U.N.O., AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC.
3. SEE TYPICAL FLOORING TRANSITION DETAILS SHEET A590.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVAITON TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TOW ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENTS SUCH AS A WALL OR FLOOR. AND 8" DIAMETER SHPERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE TYPICAL FIRE EXTINGUISER CABINET INSTALLATION DETAILS.

KEYED NOTES

311	REINFORCED CONCRETE COLUMN
914	CERAMIC WALL TILE
1027	BUILT IN DISPLAY CASE
1028	DRINKING FOUNTAIN WITH BOTTLE FILLER
1031	LCD SCREEN NIC
1122	ICE MACHINE, NIC
2107	FIRE EXTINGUISHER CABINET
2202	FLOOR DRAIN, SEE DETAIL B6/A590

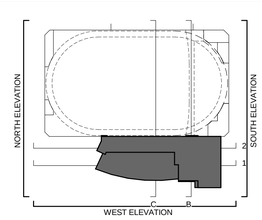


A1 FIRST FLOOR PLAN

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

0' 4' 8' 16' 24'

KEY PLAN



VCBO ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

LEVEL 01 AREA C - ANNOTATED PLAN

A113.2

10/24/2012 1:30:31 PM

KEYED NOTES

309	REINFORCED CONCRETE WALL
1031	LCD SCREEN NIC
1034	CEILING MOUNTED FITNESS ANCHOR
1102	CEILING MOUNTED PROJECTOR AND MOUNT COORDINATE EXACT LOCATION W/ ARCHITECT PRIOR TO INSTALLATION. PROVIDE 10'-0" MIN. OF EXTRA WIRE LENGTH, TYP. TO ACCOMMODATE ADJUSTMENT TO LOCATION PROVIDED
1121	MOTORIZED ROLL UP PROJECTION SCREEN
1124	CEILING FAN

CEILING LEGEND

A-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING
B-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING
C-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM - (1 LAYER) PAINTED. APPLY EPOXY PAINT IN WET AREAS.
D-	SUSPENDED 2' X 2' METAL SCULPTURAL LAY-IN TILE CEILING.
E-	OPEN TO STRUCTURE ABOVE, PAINTED.
F-	METAL SOFFIT SYSTEM
G-	2 HOUR FIRE-RATED CEILING ASSEMBLY. (2) LAYERS TYPE-X GYP. BOARD.
J-	COMPOSITE METAL PANEL
X-	EXISTING CEILING SYSTEM, TO REMAIN

CEILING SYMBOLS

ELECTRICAL

- 2'X4' FLUORESCENT FIXTURE
- 2'X2' FLUORESCENT FIXTURE
- 1'X4' FLUORESCENT FIXTURE
- FLUORESCENT STRIP FIXTURE
- RECESSED DOWN LIGHT
- WALL WASH
- 1'X4' FLUORESCENT FIXTURE
- EXIT SIGN, SINGLE-SIDED
- EXIT SIGN, DOUBLE-SIDED
- FIRE ALARM
- SPEAKER
- SMOKE DETECTOR
- WIRELESS INTERNET

MECHANICAL

- SUPPLY GRILLE
- RETURN GRILLE
- EXHAUST GRILLE
- LINEAR DIFFUSER
- SPRINKLER HEAD - CEILING MOUNT
- SPRINKLER HEAD - WALL MOUNT

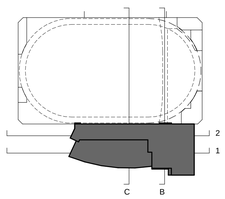
GENERAL CEILING NOTES

1. REFER TO DETAIL C6/A530 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING
2. REFER TO DETAIL A6/A530 FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS
3. ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE " A" AT 9'-4" A.F.F.
4. GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE
5. PAINT ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC. ALL VISIBLE ELEMENTS TO BE PAINTED AT TYPE "E" & TYPE "A" (ABOVE CEILING CLOUDS WHERE VISABLE)
6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES, AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES
7. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES
8. MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD
9. ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF CONCRETE FLOOR SLAB
10. ALL TYPE C CEILINGS IN RESTROOMS, LOCKER ROOMS, SHOWERS, AND WET AREAS TO BE EPOXY PAINTED

A1 LEVEL 02 AREA C - REFLECTED CEILING PLAN

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

KEY PLAN



VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

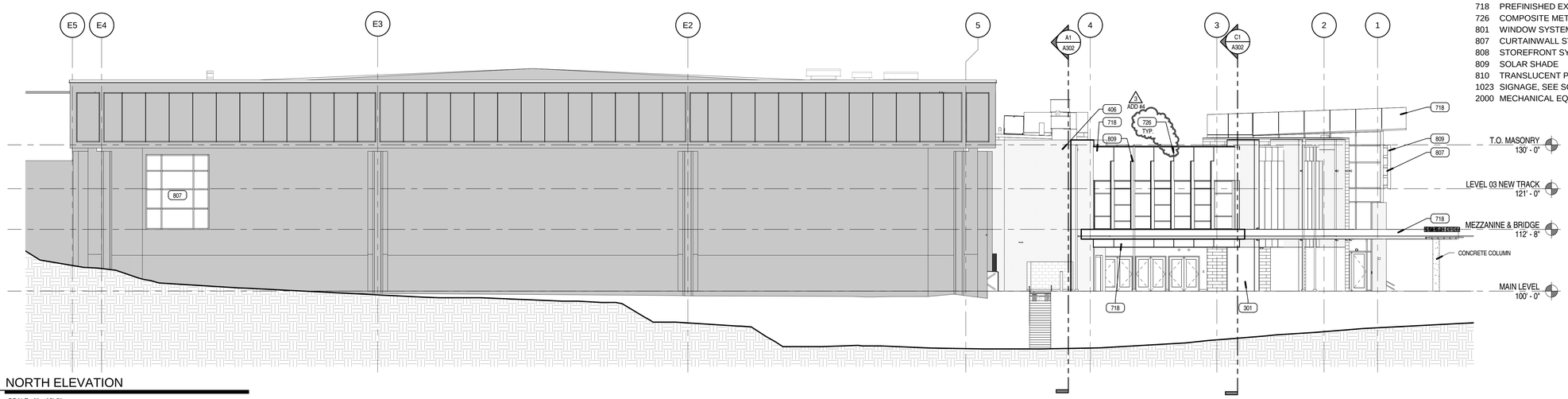
LEVEL 02 AREA C -REFLECTED CEILING PLAN

A123.4

10/24/2012 1:30:45 PM

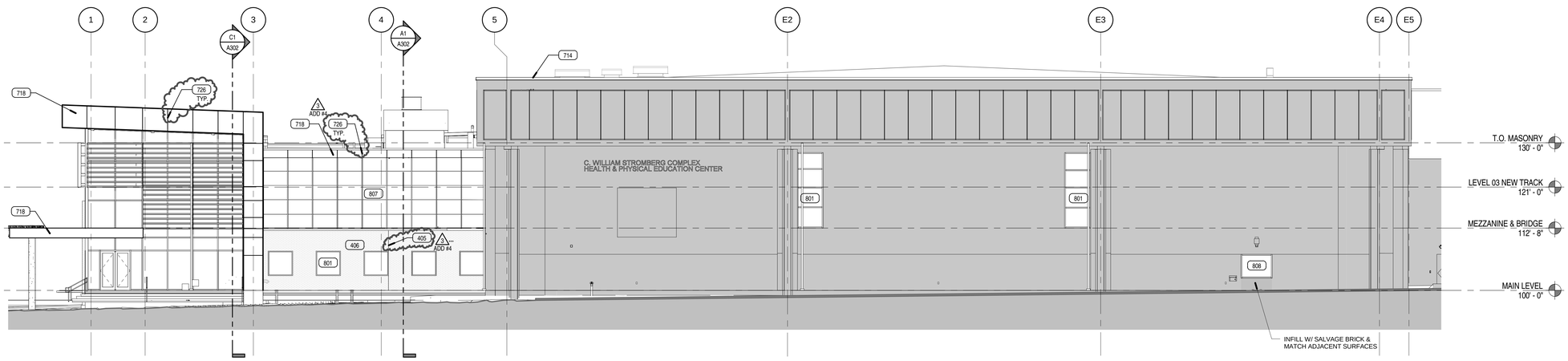
KEYED NOTES

301	REINFORCED CONCRETE FOUNDATION WALL
402	8"X8"X16" HONED CMU
405	MASONRY CONTROL JOINTS SEE DETAIL C2/A511
406	BRICK VENEER SYSTEM
412	STONE CLADDING SYSTEM
714	PRE-FINISHED CONT. METAL FLASHING
718	PREFINISHED EXTERIOR COMPOSITE METAL PANEL SYSTEM
726	COMPOSITE METAL PANEL REVEAL, SEE A5 & B5 / A511
801	WINDOW SYSTEM
807	CURTAINWALL SYSTEM
808	STOREFRONT SYSTEM
809	SOLAR SHADE
810	TRANSLUCENT PANEL SYSTEM, MATCH EXISTING
1023	SIGNAGE, SEE SCHEDULE
2000	MECHANICAL EQUIPMENT



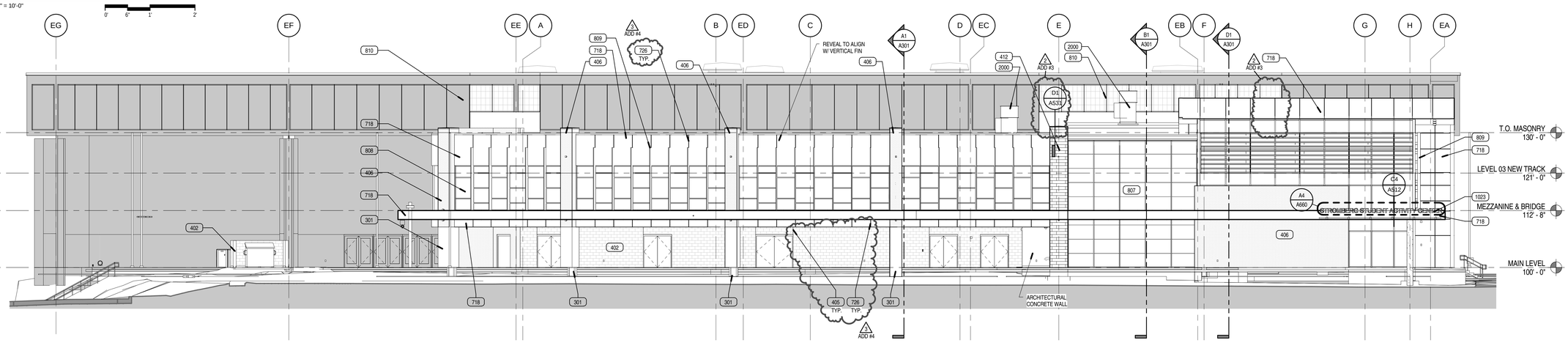
D1 NORTH ELEVATION

SCALE: 1" = 10'-0"



B1 SOUTH ELEVATION

SCALE: 1" = 10'-0"



A1 WEST ELEVATION

SCALE: 1" = 10'-0"

10/24/2012 1:31:21 PM

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

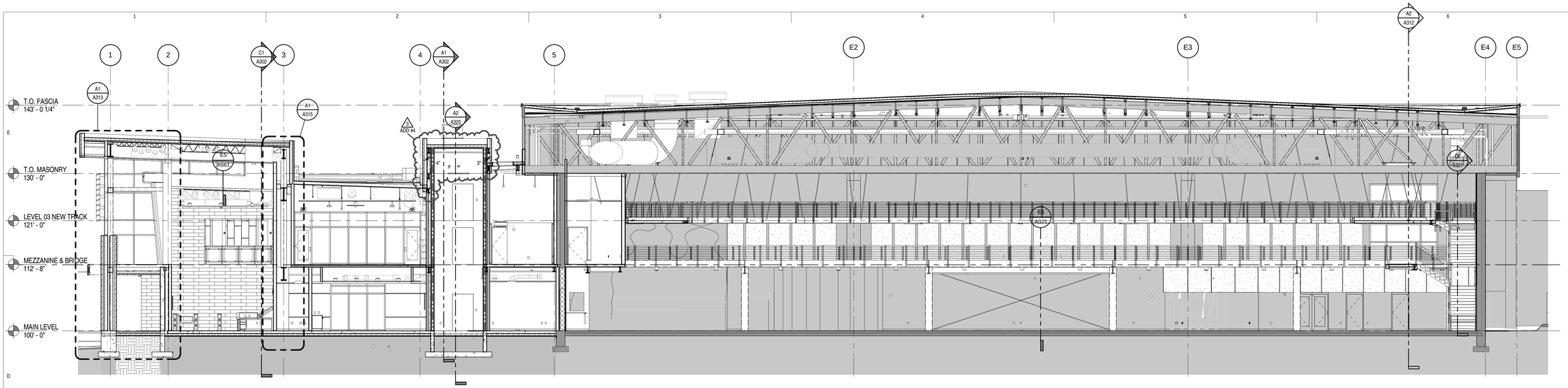
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

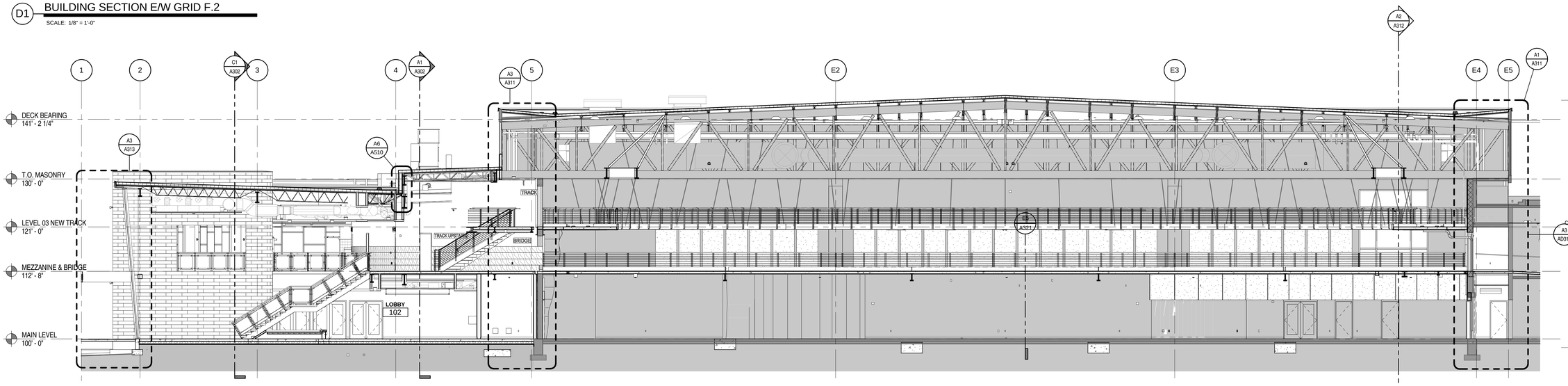
BUILDING ELEVATIONS

A201



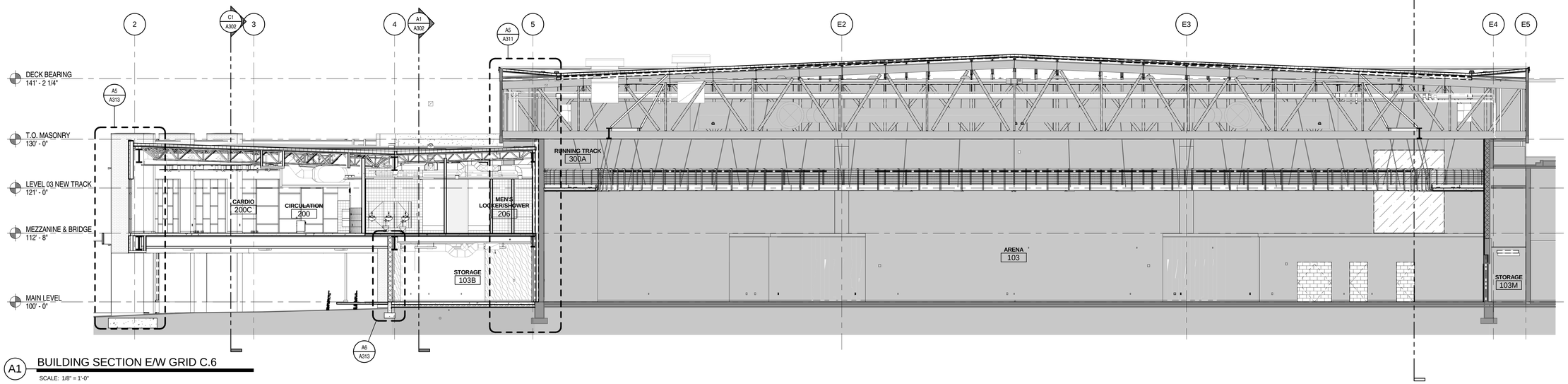
D1 BUILDING SECTION E/W GRID F.2

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



B1 BUILDING SECTION E/W GRID E.6

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



A1 BUILDING SECTION E/W GRID C.6

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

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

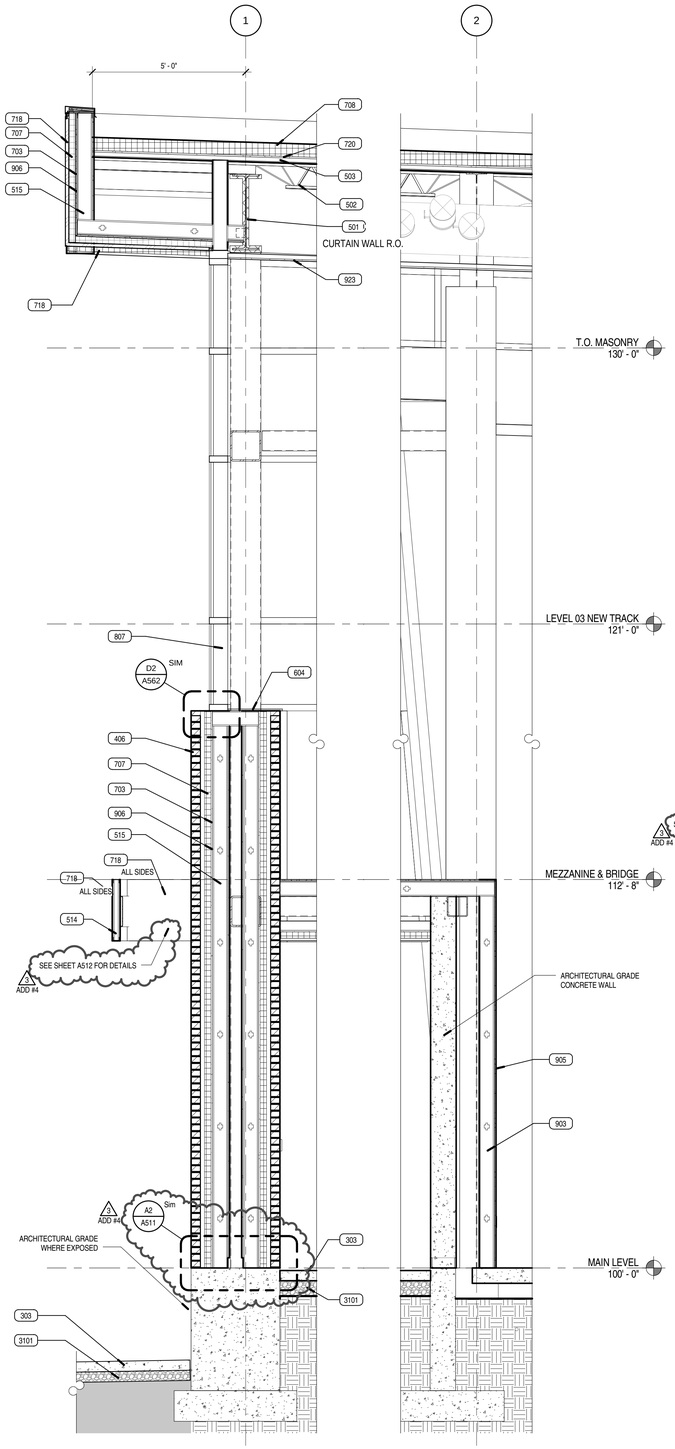
OVERALL EAST WEST BUILDING SECTIONS

A301

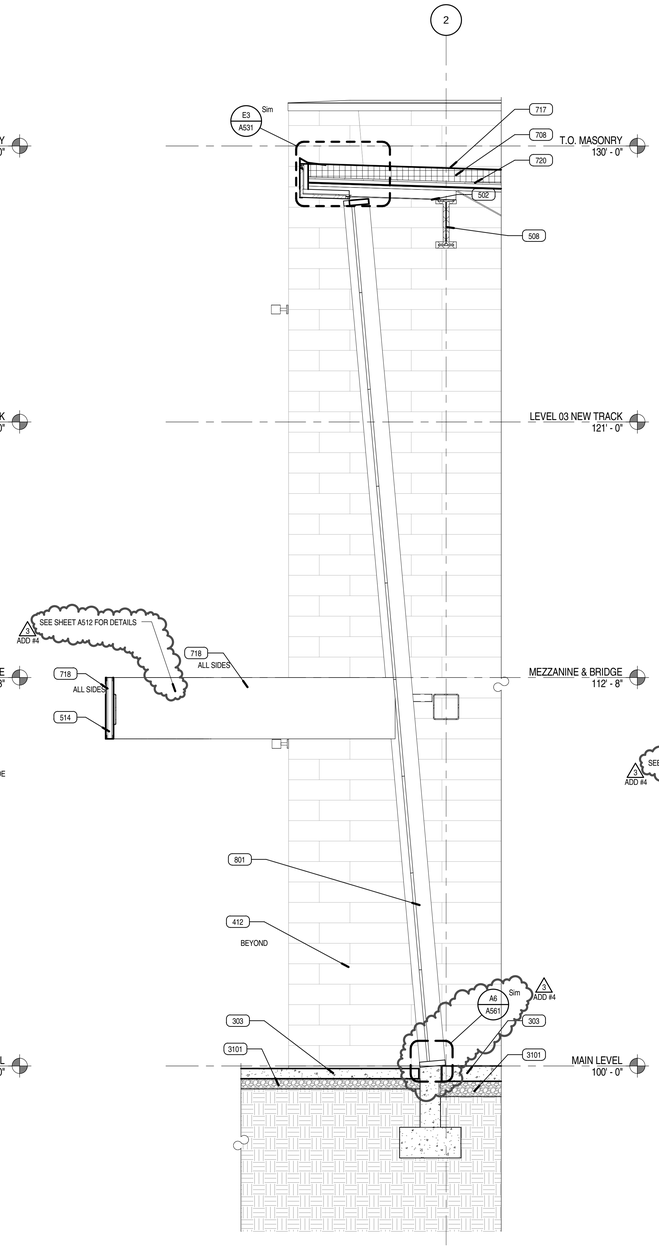
10/24/2012 1:38:04 PM

KEYED NOTES

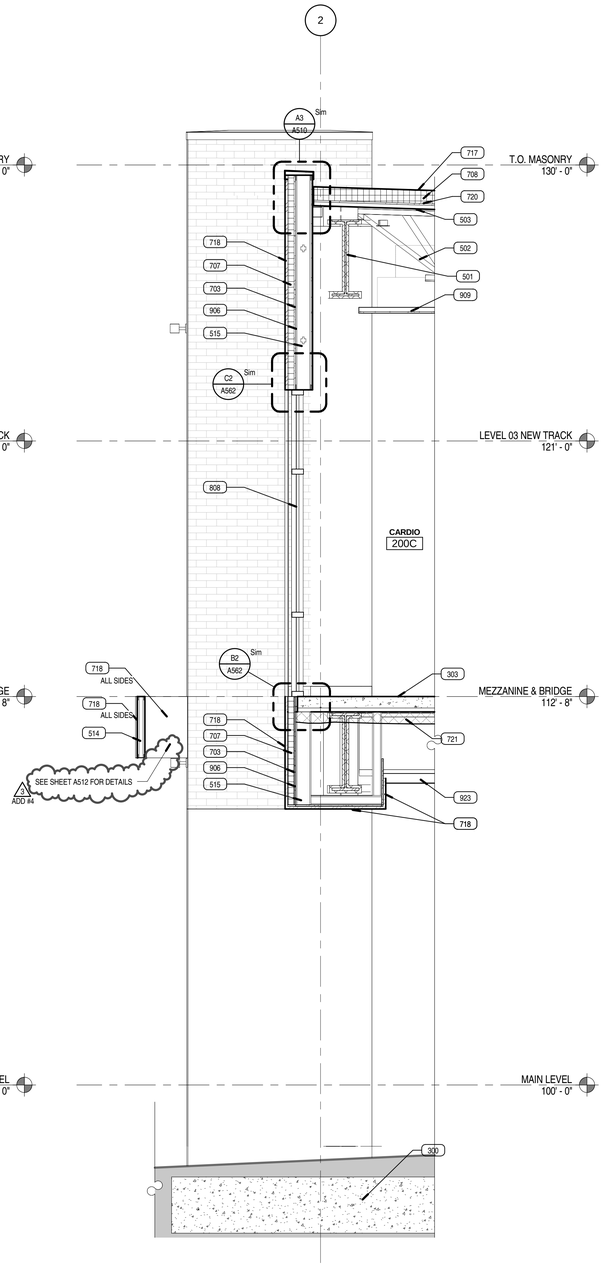
300	REINFORCED CONCRETE FOOTING
303	REINFORCED CONCRETE SLAB
304	THICKENED REINFORCED SLAB
403	8"X8"X16" STANDARD INTERGRAL COLOR CMU
406	BRICK VENEER SYSTEM
412	STONE CLADDING SYSTEM
501	STEEL BEAM PAINTED WHERE EXPOSED
502	STEEL JOIST PAINTED WHERE EXPOSED
503	STEEL DECK PAINTED WHERE EXPOSED
508	STEEL GIRDER PAINTED WHERE EXPOSED
514	2 1/2" COLD ROLLED METAL STUDS
515	6" COLD ROLLED METAL STUDS
604	SOLID SURFACE SILL
703	AIR & MOISTURE BARRIER
707	EXTERIOR CONTINUOUS WALL INSULATION BOARD SYSTEM
708	R-30 ROOF RIGID INSULATION BOARD SYSTEM
717	WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM
718	PREFINISHED EXTERIOR COMPOSITE METAL PANEL SYSTEM
720	ROOF GYPSUM SUBSTRATE BOARD
721	SPRAY APPLIED INSULATION
801	WINDOW SYSTEM
807	CURTAINWALL SYSTEM
808	STOREFRONT SYSTEM
903	6" METAL STUD FRAMING
905	5/8" GYP. BD. PAINTED WHERE EXPOSED
906	5/8" GYP. SHEATHING
909	SUSPENDED ACOUSTICAL TILE CEILING
923	METAL CEILING SYSTEM
3101	FREE DRAINING GRAVEL BASE



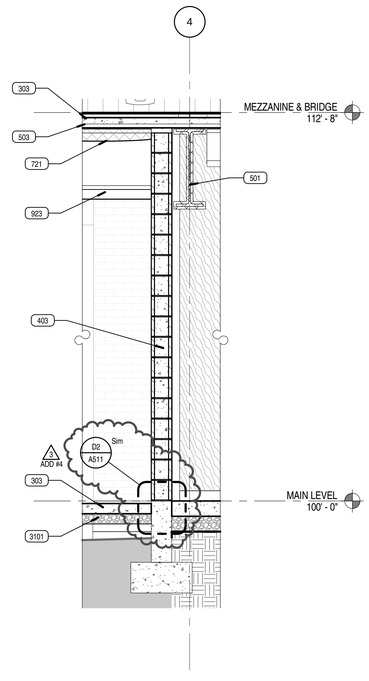
A1 WS ADDITION WEST GRID F.2
SCALE: 1/2" = 1'-0"



A3 WS ADDITION WEST GRID E.6
SCALE: 1/2" = 1'-0"



A5 WS ADDITION WEST GRID C.6
SCALE: 1/2" = 1'-0"



A6 WS ADDITION WEST PARKING GRID C.6
SCALE: 1/2" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

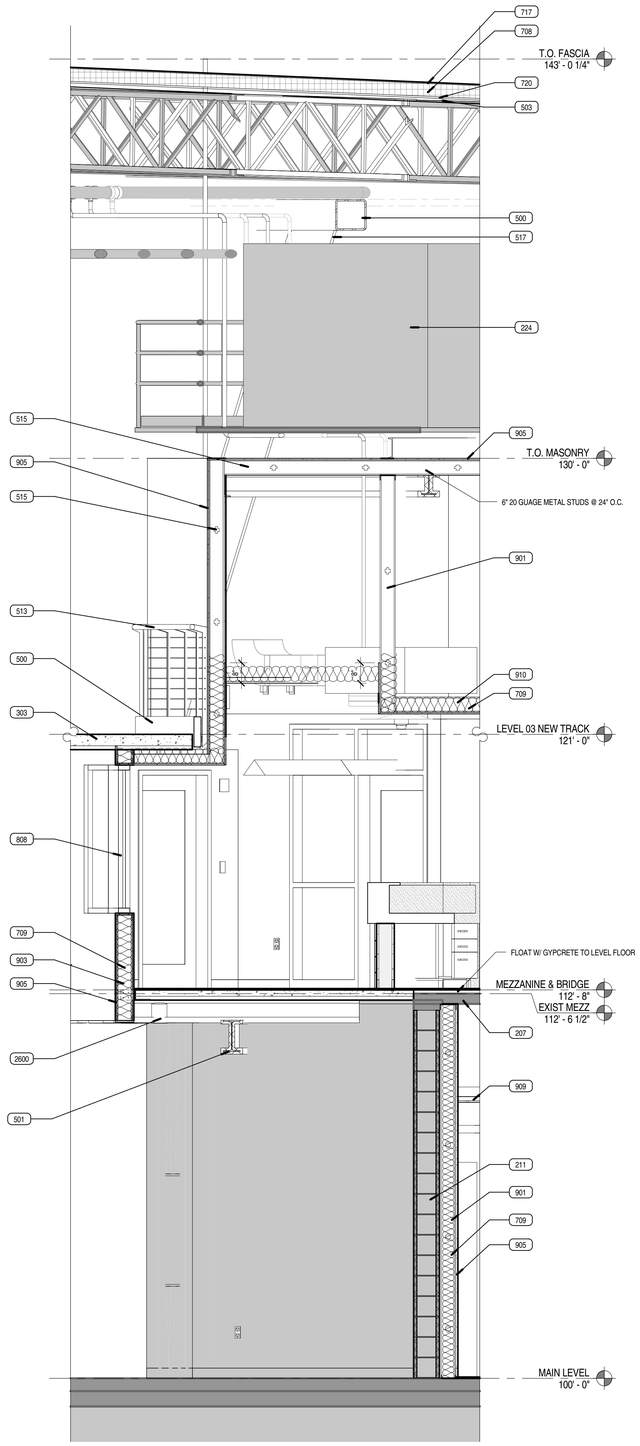
WALL SECTIONS

A313

10/24/2012 1:31:31 PM

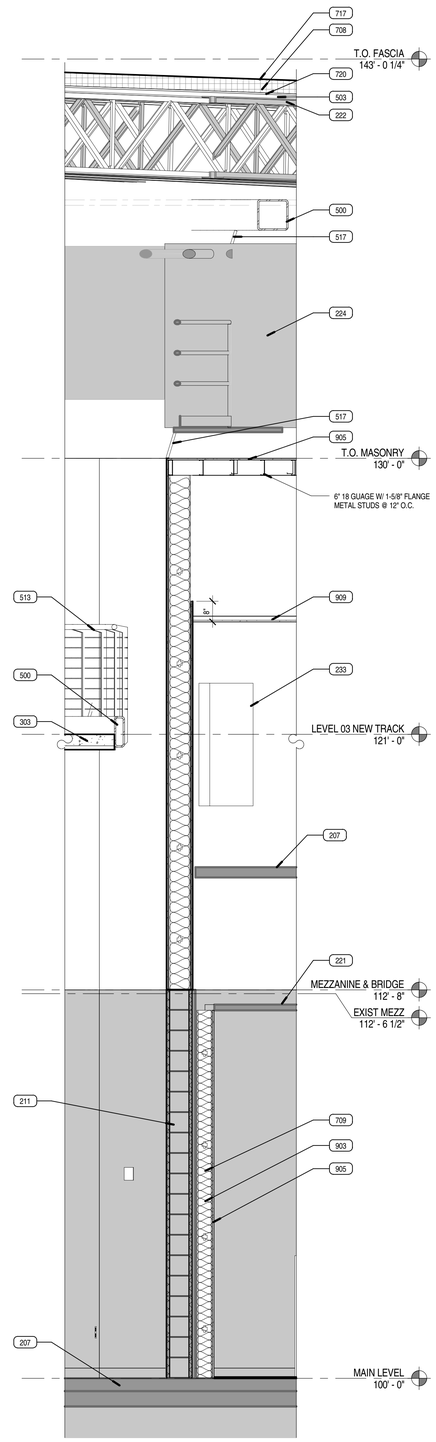
KEYED NOTES

207	EXG CONCRETE SLAB
211	EXG CMU WALL
221	EXG CEILING
222	EXG STRUCTURE
224	EXG MECHANICAL EQUIPMENT
233	EXG ELECTRICAL EQUIPMENT
300	REINFORCED CONCRETE FOOTING
301	REINFORCED CONCRETE FOUNDATION WALL
303	REINFORCED CONCRETE SLAB
304	THICKENED REINFORCED SLAB
412	STONE CLADDING SYSTEM
500	STEEL TUBE PAINTED WHERE EXPOSED
501	STEEL BEAM PAINTED WHERE EXPOSED
503	STEEL DECK PAINTED WHERE EXPOSED
513	DECORATIVE RAILING WITH 1/2" GLAZING
515	6" COLD ROLLED METAL STUDS
517	STEEL ROD PAINTED WHERE EXPOSED
708	R-30 ROOF RIGID INSULATION BOARD SYSTEM
709	BATT INSULATION FULL THICKNESS
717	WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM
720	ROOF GYPSUM SUBSTRATE BOARD
807	CURTAINWALL SYSTEM
808	STOREFRONT SYSTEM
901	3-5/8" METAL STUD FRAMING
903	6" METAL STUD FRAMING
905	5/8" GYP. BD. PAINTED WHERE EXPOSED
909	SUSPENDED ACOUSTICAL TILE CEILING
910	SUSPENDED GYP. BD. CEILING SYSTEM
923	METAL CEILING SYSTEM
2000	MECHANICAL EQUIPMENT
2600	LIGHT FIXTURE
3101	FREE DRAINING GRAVEL BASE



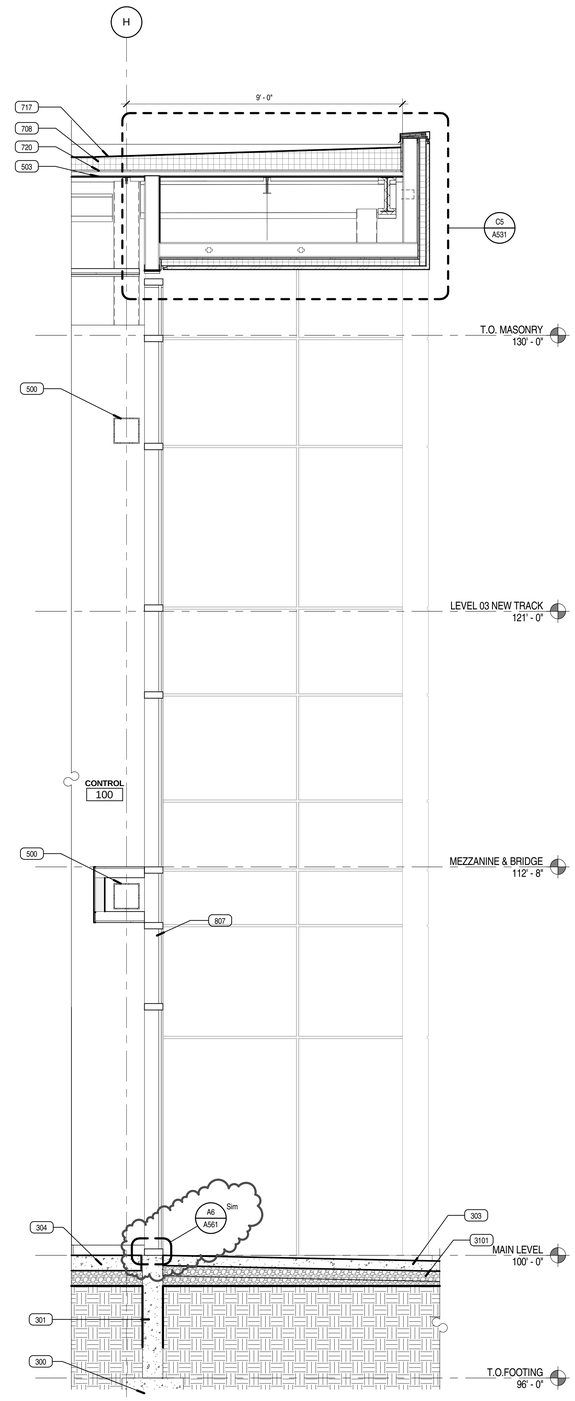
A1 WS ARENA WELLNESS

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



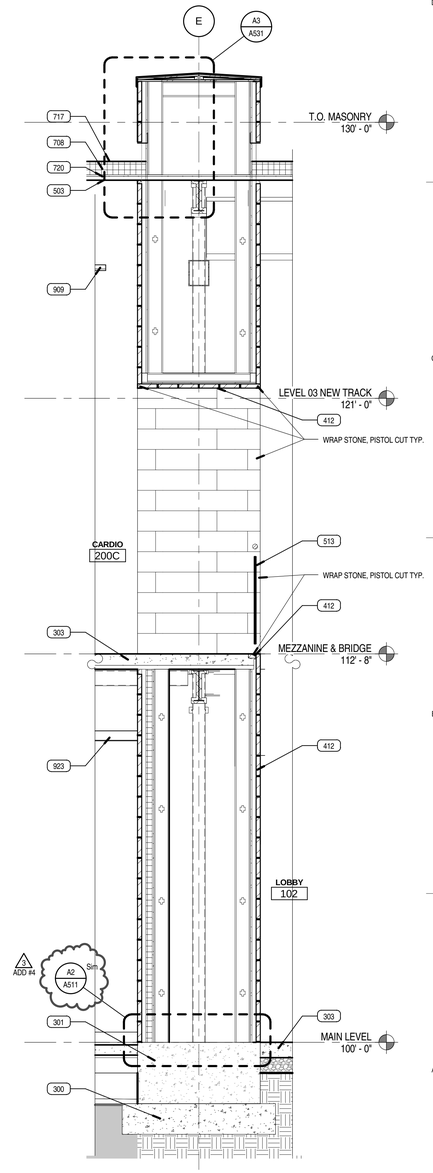
A3 WS ARENA STORAGE

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



A5 WS ADDITION SOUTH GRID 2.8

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



A6 WS ADDITION NORTH LOBBY GRID 2.8

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

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

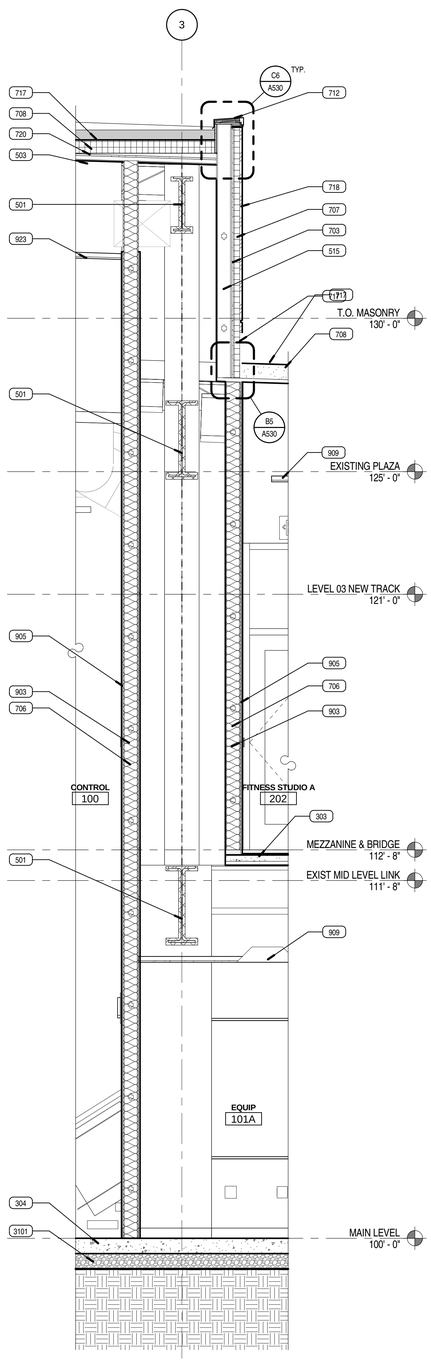
Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

WALL SECTIONS

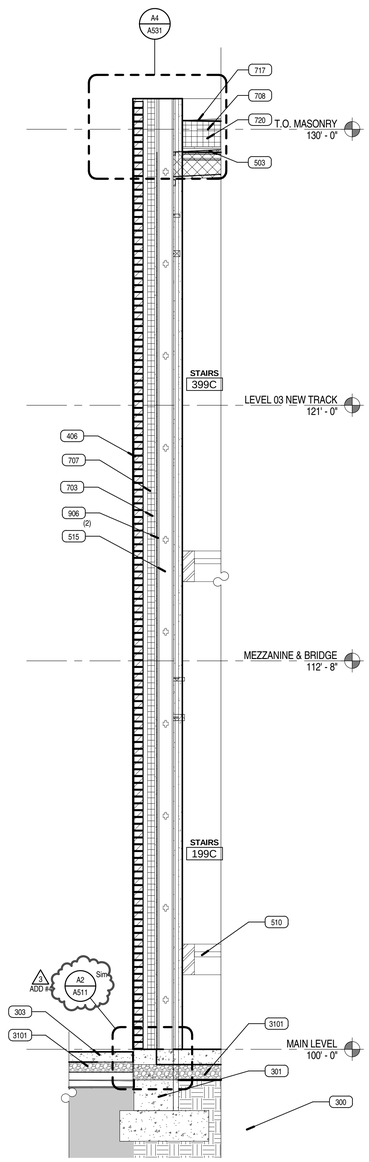
A314

10/24/2012 1:31:43 PM



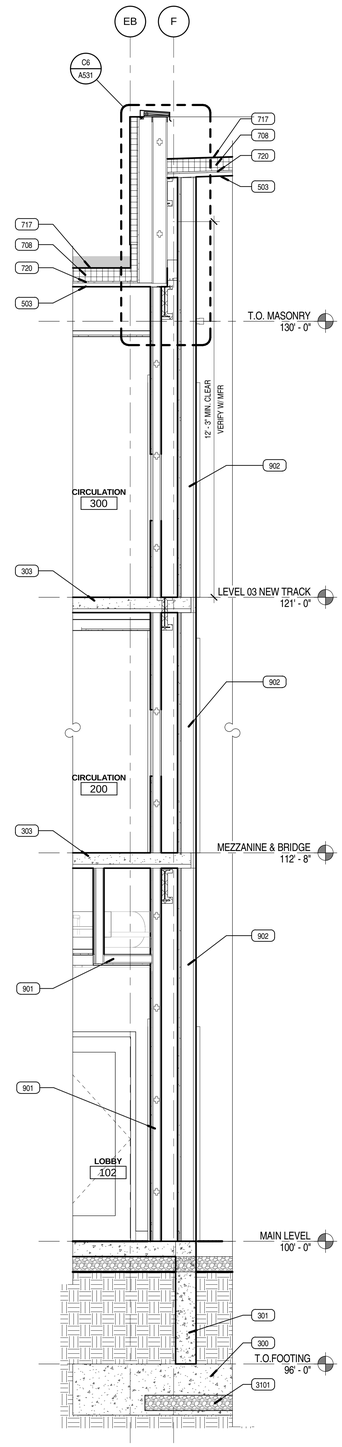
A1 WS ADDITION GRID 3/F.2

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



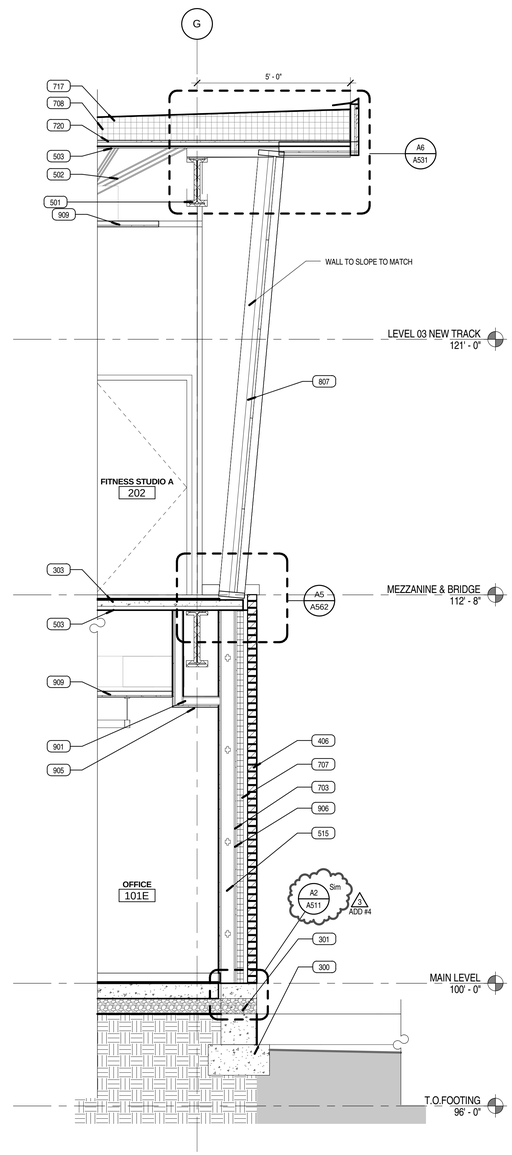
A2 WS ADDITION NORTH GRID 4.2

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



A3 WS ADDITION ELEVATOR GRID 4.2

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



A5 WS ADDITION SOUTH GRID 4.2

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

KEYED NOTES

300 REINFORCED CONCRETE FOOTING
301 REINFORCED CONCRETE FOUNDATION WALL
303 REINFORCED CONCRETE SLAB
304 THICKENED REINFORCED SLAB
406 BRICK VENEER SYSTEM
501 STEEL BEAM PAINTED WHERE EXPOSED
502 STEEL JOIST PAINTED WHERE EXPOSED
503 STEEL DECK PAINTED WHERE EXPOSED
510 METAL STAIRS, SEE SECTIONS AND DETAILS
515 6" COLD ROLLED METAL STUDS
703 AIR & MOISTURE BARRIER
706 BATT INSULATION FULL THICKNESS W/ VAPOR BARRIER
707 EXTERIOR CONTINUOUS WALL INSULATION BOARD SYSTEM
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
712 PRE-FINISHED CONT. METAL CAP & CLEAT OVER
717 WHITE SINGLE PLY MEMBRANE ROOFING SYSTEM
718 PREFINISHED EXTERIOR COMPOSITE METAL PANEL SYSTEM
720 ROOF GYPSUM SUBSTRATE BOARD
807 CURTAINWALL SYSTEM
901 3-5/8" METAL STUD FRAMING
902 6" METAL CH STUD FRAMING
903 6" METAL STUD FRAMING
905 5/8" GYP. BD. PAINTED WHERE EXPOSED
906 5/8" GYP. SHEATHING
909 SUSPENDED ACOUSTICAL TILE CEILING
923 METAL CEILING SYSTEM
3101 FREE DRAINING GRAVEL BASE

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

LICENSED ARCHITECT
No. 13392
BRENT R. TIPPETS
10-2-12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

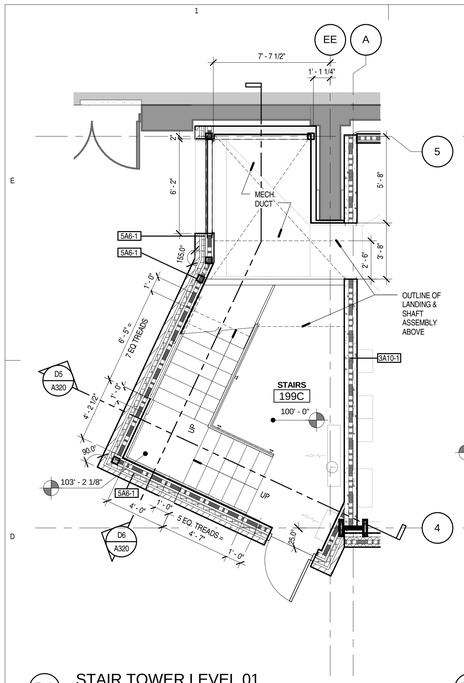
Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

WALL SECTIONS

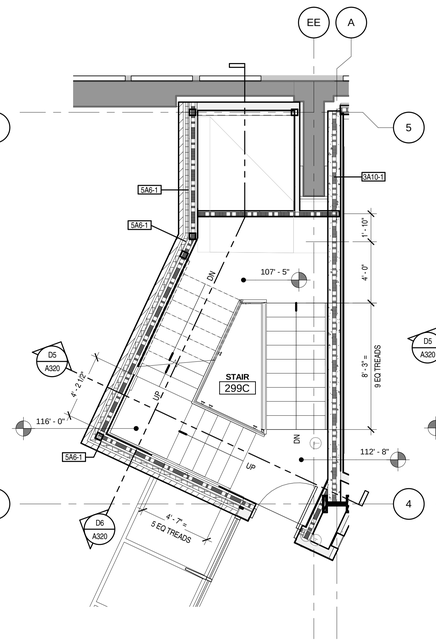
A315

10/24/2012 1:31:52 PM



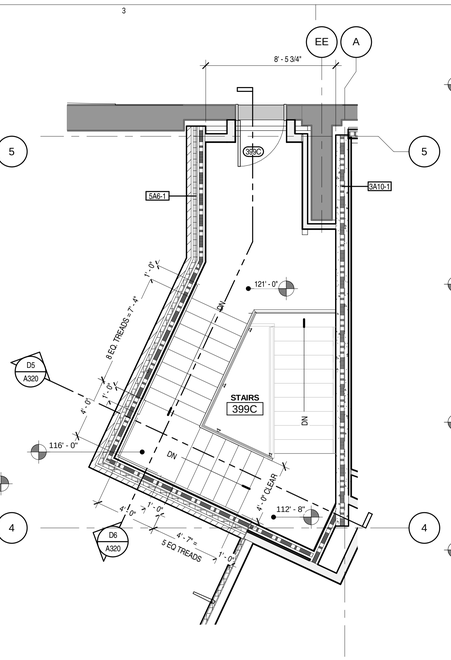
D1 STAIR TOWER LEVEL 01

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



D2 STAIR TOWER LEVEL 02

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

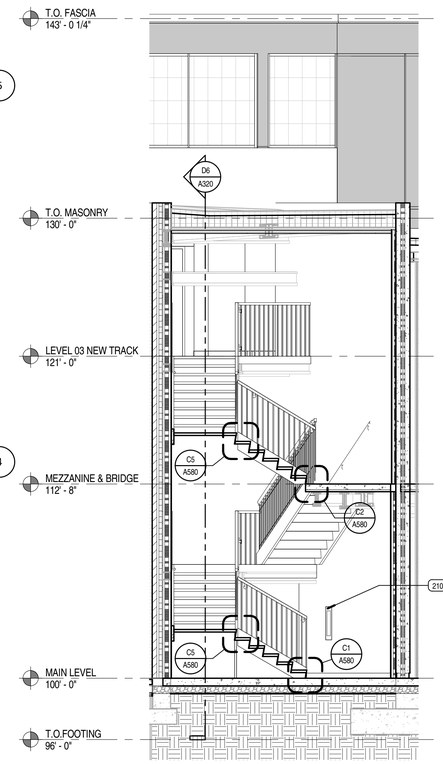


D3 STAIR TOWER - LEVEL 03

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

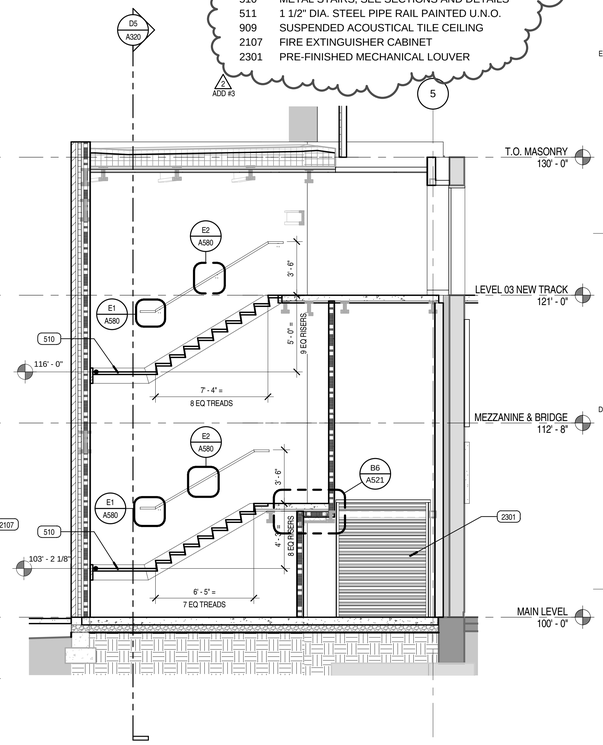
KEYED NOTES

207	EXG CONCRETE SLAB
303	REINFORCED CONCRETE SLAB
306	REINFORCED CONCRETE RAMP
510	METAL STAIRS, SEE SECTIONS AND DETAILS
511	1 1/2" DIA. STEEL PIPE RAIL PAINTED U.N.O.
909	SUSPENDED ACOUSTICAL TILE CEILING
2107	FIRE EXTINGUISHER CABINET
2301	PRE-FINISHED MECHANICAL LOUVER



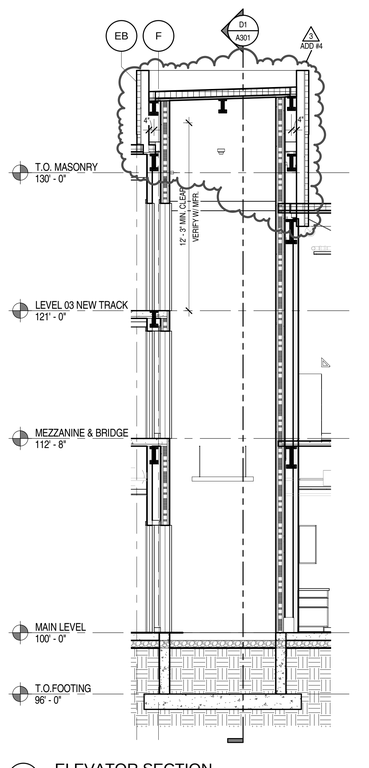
D5 STAIR TOWER SECTION

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



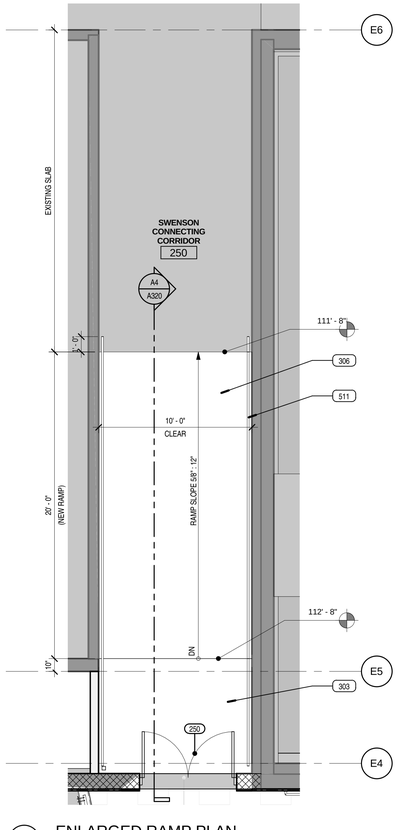
D6 STAIR TOWER SECTION 2

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



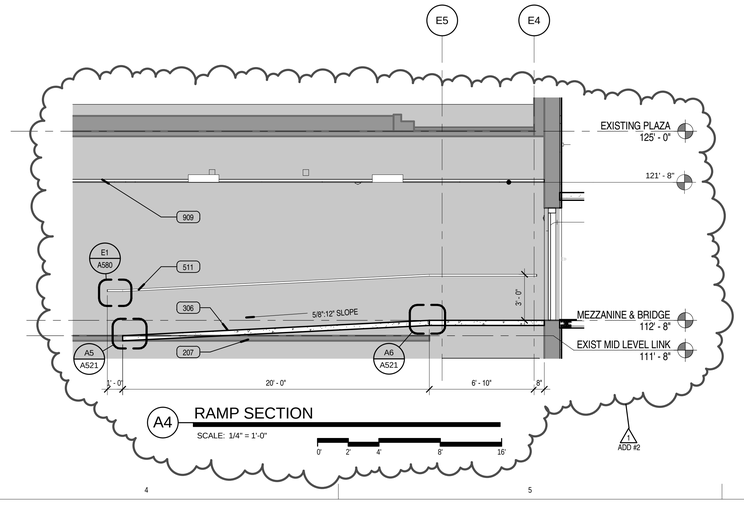
A2 ELEVATOR SECTION

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



A3 ENLARGED RAMP PLAN

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



A4 RAMP SECTION

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

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

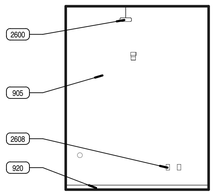
Rev #	Date	Description
1	10.12.2012	ADD #2
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

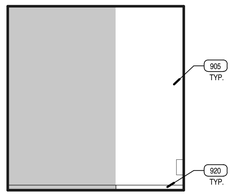
STAIR PLANS, ELEVATIONS & SECTIONS

A320

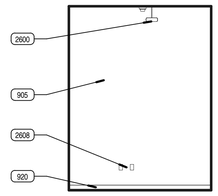
10/24/2012 1:38:24 PM



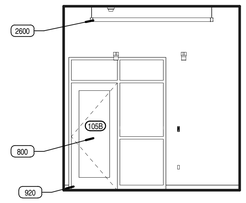
D1 OFFICE 105B NORTH ELEV.
SCALE: 1/4" = 1'-0"



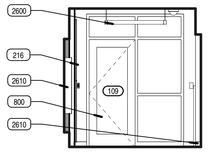
D2 OFFICE 105B EAST ELEV.
SCALE: 1/4" = 1'-0"



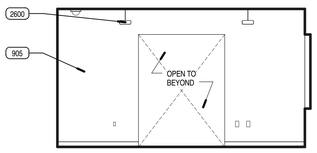
D4 OFFICE 105B SOUTH ELEV.
SCALE: 1/4" = 1'-0"



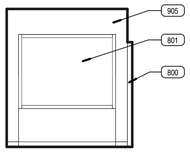
D6 OFFICE 105B WEST ELEV.
SCALE: 1/4" = 1'-0"



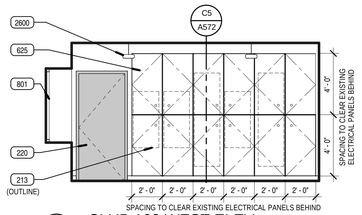
C1 CLUB 109 NORTH ELEV.
SCALE: 1/4" = 1'-0"



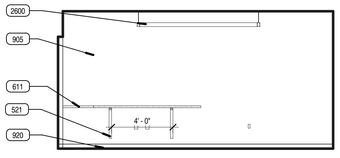
C2 CLUB 109 EAST ELEV.
SCALE: 1/4" = 1'-0"



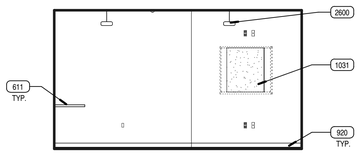
C4 CLUB 109 SOUTH ELEV.
SCALE: 1/4" = 1'-0"



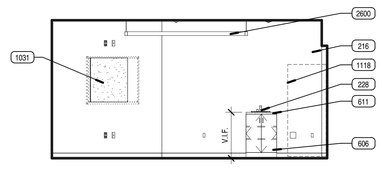
C5 CLUB 109 WEST ELEV.
SCALE: 1/4" = 1'-0"



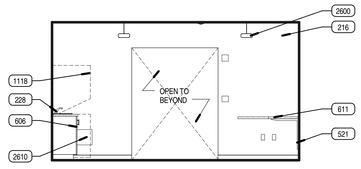
B1 CLUB 109A NORTH ELEV.
SCALE: 1/4" = 1'-0"



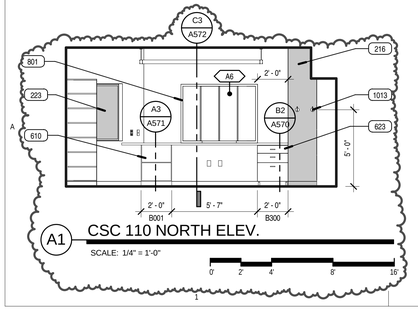
B2 CLUB 109A EAST ELEV.
SCALE: 1/4" = 1'-0"



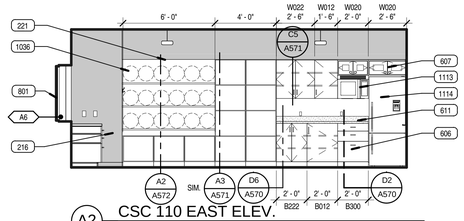
B4 CLUB 109A SOUTH ELEV.
SCALE: 1/4" = 1'-0"



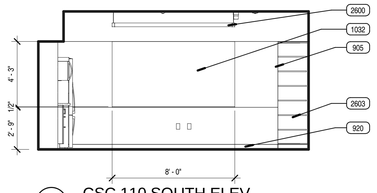
B5 CLUB 109A WEST ELEV.
SCALE: 1/4" = 1'-0"



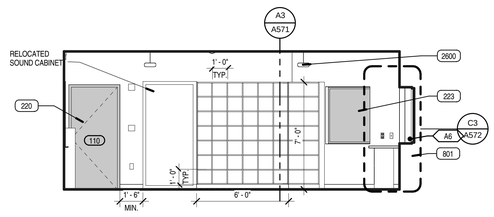
A1 CSC 110 NORTH ELEV.
SCALE: 1/4" = 1'-0"



A2 CSC 110 EAST ELEV.
SCALE: 1/4" = 1'-0"



A4 CSC 110 SOUTH ELEV.
SCALE: 1/4" = 1'-0"



A5 CSC 110 WEST ELEV.
SCALE: 1/4" = 1'-0"

KEYED NOTES

213	EXG ELECTRIC PANEL
216	EXG WALL
220	EXG DOOR
221	EXG CEILING
223	EXG WINDOW
228	EXG PLUMBING FIXTURE
521	STEEL ANGLE BRACKET
606	WALL MOUNTED BASE CABINET WITH BLOCKING
607	WALL MOUNTED UPPER CABINET WITH BLOCKING
610	FREE STANDING STORAGE CUBBY CABINET
611	PLASTIC LAMINATE COUNTERTOP
623	MOBILE BASE CABINET
625	CABINETRY DOOR
800	DOOR & FRAME
801	WINDOW SYSTEM
905	5/8" GYP. BD. PAINTED WHERE EXPOSED
920	SCHEDULED BASE
1013	ROBE HOOK
1031	LCD SCREEN NIC
1032	TACKABLE WALL SURFACE
1036	BALL STORAGE
1113	MICROWAVE, NIC
1114	REFRIGERATOR, NIC
1118	ELECTRIC WASHER AND DRYER NIC
2305	MECHANICAL EQUIPMENT
2600	LIGHT FIXTURE
2603	ELECTRIC PANEL
2608	OUTLET
2610	ELECTRICAL EQUIPMENT

MILLWORK LEGEND

GENERAL NOTE: WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES, SUCH AS, BUT NOT LIMITED TO; POWER, DATA, AV OUTLETS, HORNSTROBES, SWITCHES, CO2 SENSORS AND THERMOSTATS, ARE TO BE INSTALLED AS LOCATED ON THE ARCHITECTURAL ELEVAITONS, MECHANICAL AND ELECTRICAL CONTRACTORS ARE TO COORDINATE WITH STUD FRAMING PRIOR TO ROUGH-IN TO ENSURE PRECISE LOCATIONS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIOSN FOR TYPE AND QUANTITY, WHERE NOT INDICATED REFER TO AXXX/XX FOR MOUNTING LOCATION GUIDELINES.

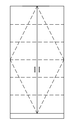
1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP.
2. CABINET DEPTH IS MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. PROVIDE GROMMET WHERE "G" IS LAELED ON PLANS OR ELEVATIONS.
5. ALL COUNTERTOPS AT SINK LOCATIONS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
6. PROVIDE FILLER PANESL TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
7. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
8. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARITIONS AND TOILET ROOM ACCESSORIES, ETC.... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTIITONS.
9. REFER TO SPECIFICATIONS FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
10. GLASS ATTACHED TO THE MILLWORK CABINETS AND COUNTERS IS TO BE PROVIDED BY THE MILLWORK COTNRACTOR.

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *

W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- LOCKS AT DOORS
- FIVE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

*NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

**NOTE:

L	DENOTES LOCKS AT DOOR(S) / DRAWER(S)
F	DENOTES FILE DRAWER(S)

CABINET MEASURMENTS SHOWN ARE ACTUAL SIZES, BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK CABINETS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
ALL CABINET INTERIORS, WHETHER CONCELED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE LAMINATE AS PER SPECIFICATIONS.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

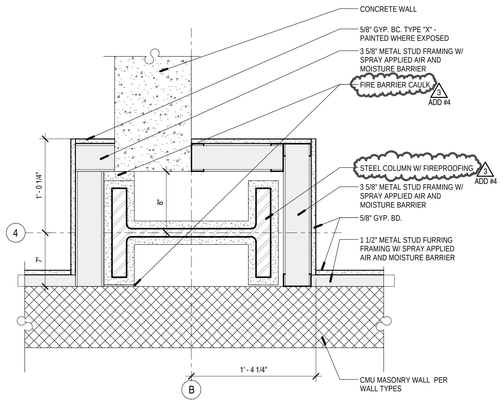
Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

LEVEL 01 INTERIOR ELEVATIONS

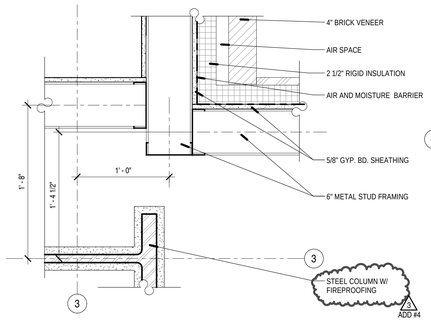
A410.3

10/24/2012 1:32:11 PM



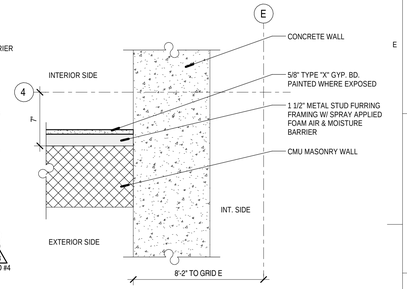
E3 COLUMN B4

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



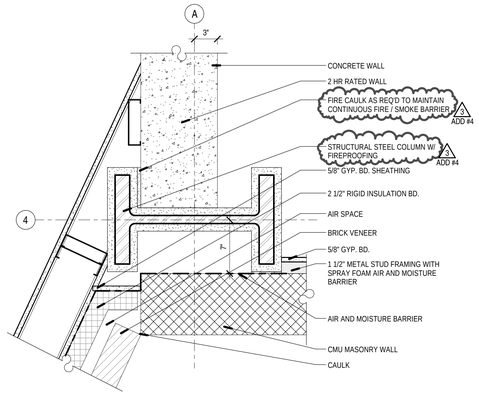
E5 BRICK VENEER TO METAL

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



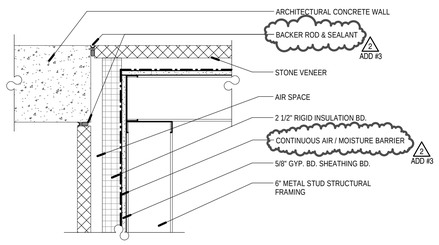
E6 MASONRY WALL TO CONC.

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



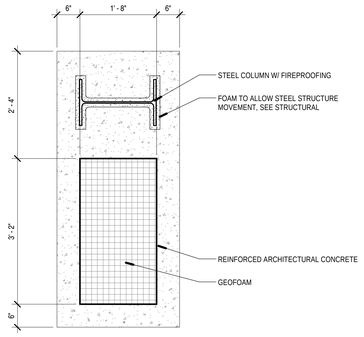
C2 RATED WALL AT COLUMN A4

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



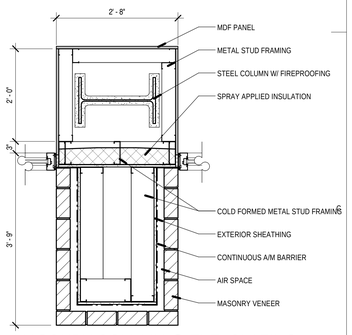
C3 CONC. WALL TO STONE VENEER

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



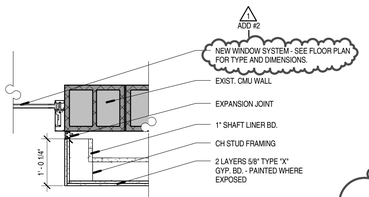
C5 CONCRETE COLUMN @ PARKING

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



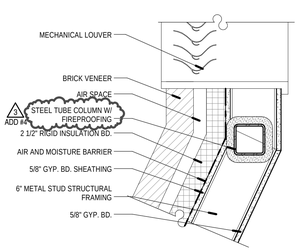
C6 MASONRY COLUMN @ EXT. GLAZING

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



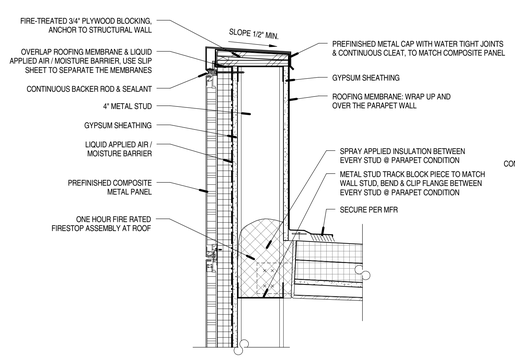
B5 EXPANSION JOINT DET.

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



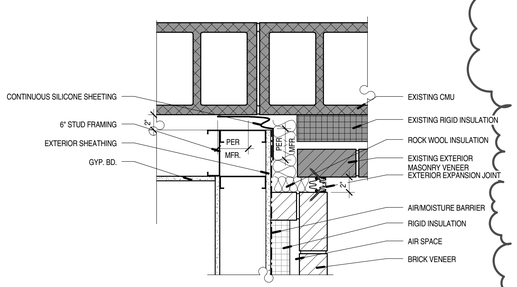
A2 LOUVER DETAIL

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



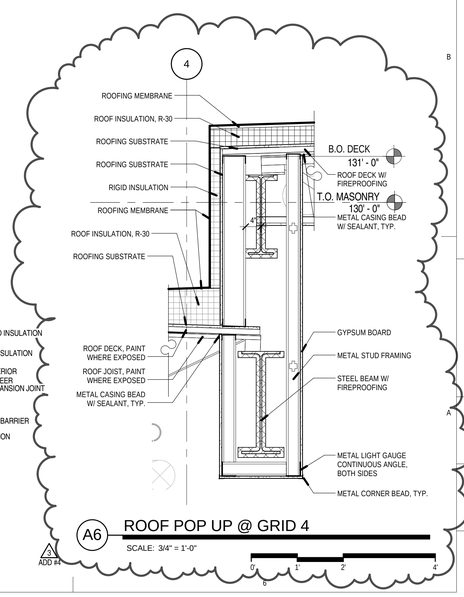
A3 PARAPET COMPOSITE METAL

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



A5 EXPANSION JOINT @ MASONRY WALL

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



A6 ROOF POP UP @ GRID 4

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

ADD #4

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

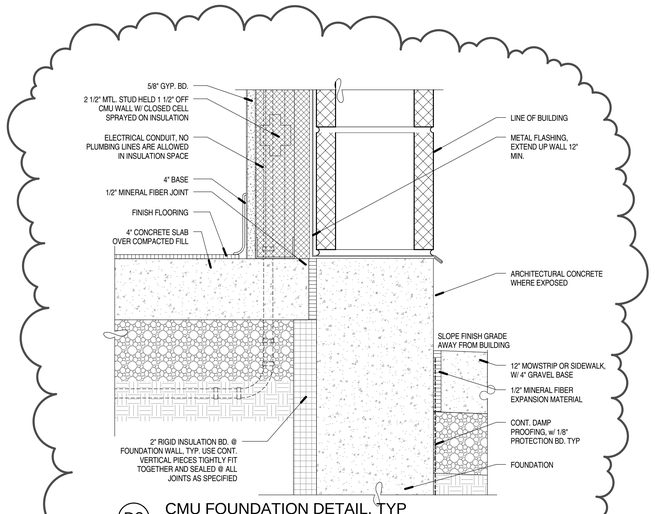
Rev #	Date	Description
1	10.12.2012	ADD #2
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

EXTERIOR ENVELOPE DETAILS

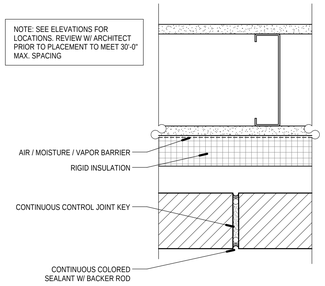
A510

10/24/2012 1:32:17 PM



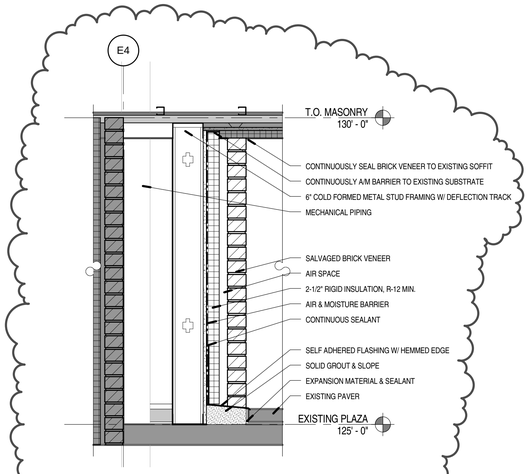
D2 CMU FOUNDATION DETAIL, TYP

SCALE: 3" = 1'-0"



C2 MASONRY VENEER CONTROL JOINT

SCALE: 3" = 1'-0"

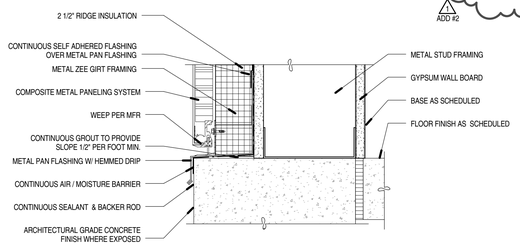


C5 MASONRY VENEER @ EAST ARENA

SCALE: 1" = 1'-0"

0' 6" 1' 2'

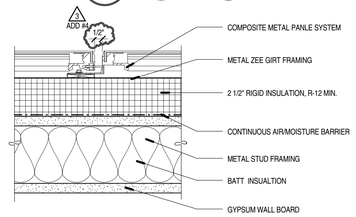
ADD #2



B4 METAL PANEL @ BASE DETAIL

SCALE: 3" = 1'-0"

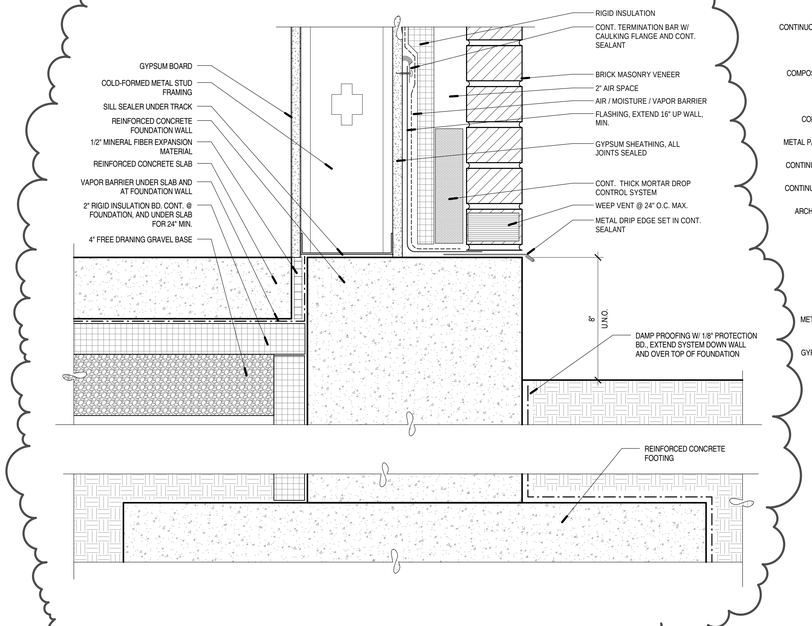
0' 1" 3" 6" 9"



B5 VERTICAL JOINT DETAIL

SCALE: 3" = 1'-0"

0' 1" 3" 6" 9"

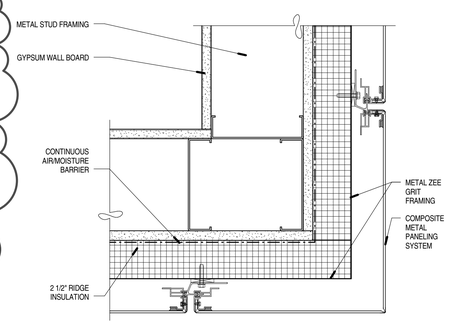


ADD #4

A2 FOUNDATION WALL @ BRICK VENEER

SCALE: 3" = 1'-0"

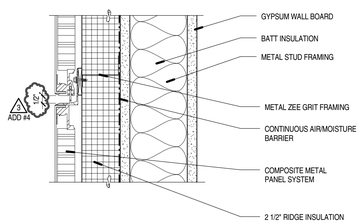
0' 1" 3" 6" 9"



A4 COMPOSITE PANEL DETAIL

SCALE: 3" = 1'-0"

0' 1" 3" 6" 9"



A5 HORIZONTAL JOINT DETAIL

SCALE: 3" = 1'-0"

0' 1" 3" 6" 9"

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

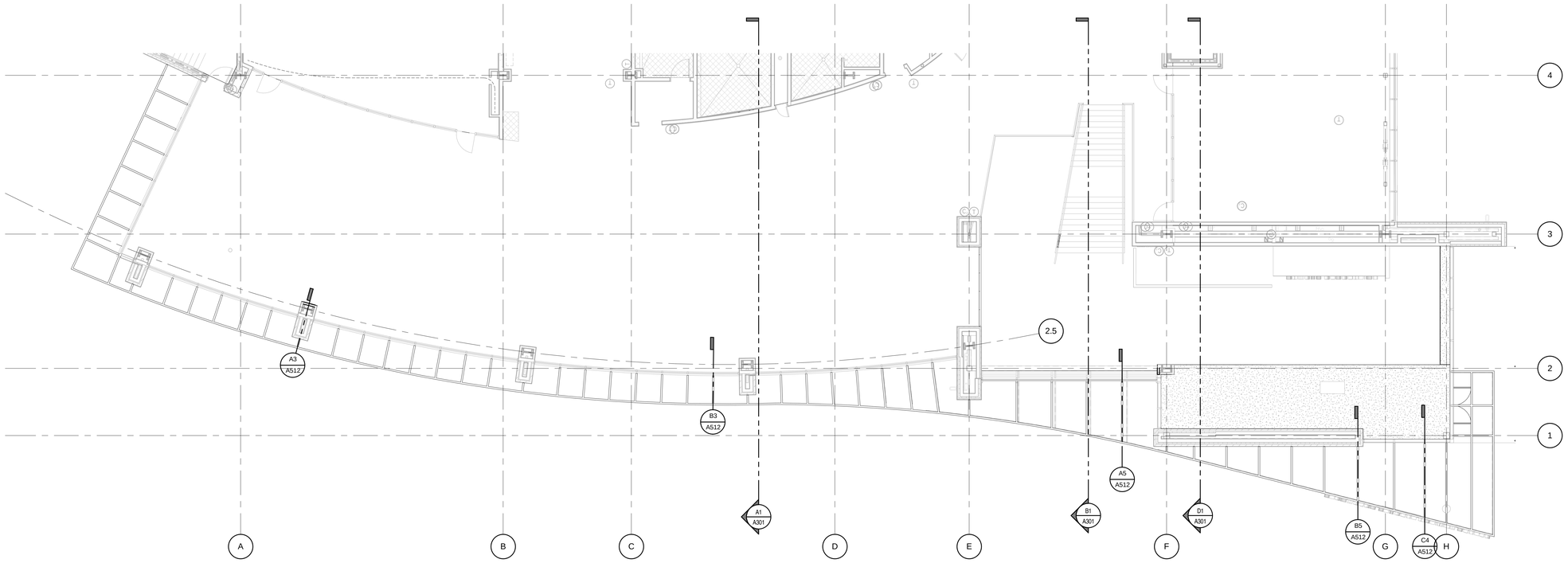
Rev #	Date	Description
1	10.12.2012	ADD #2
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

EXTERIOR ENVELOPE DETAILS

A511

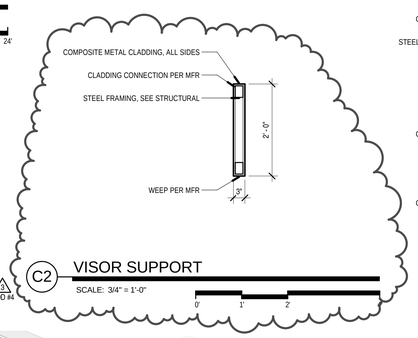
10/24/2012 1:32:22 PM



C1 LEVEL 02 VISOR PLAN

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

0' 4' 8' 16' 24'

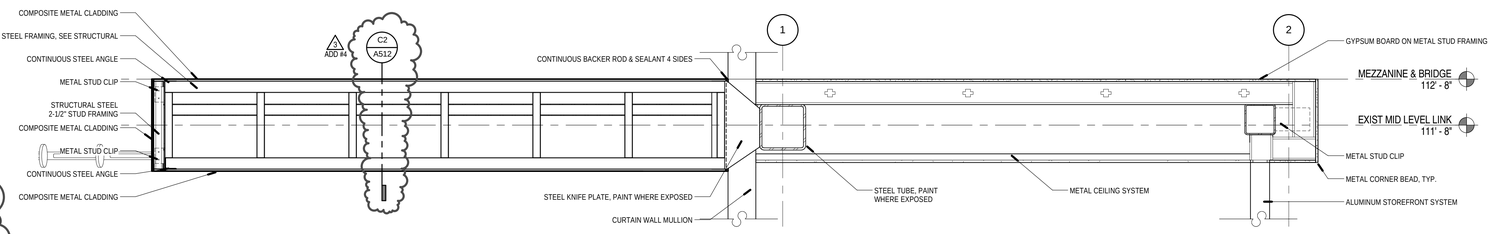


C2 VISOR SUPPORT

ADD #4

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

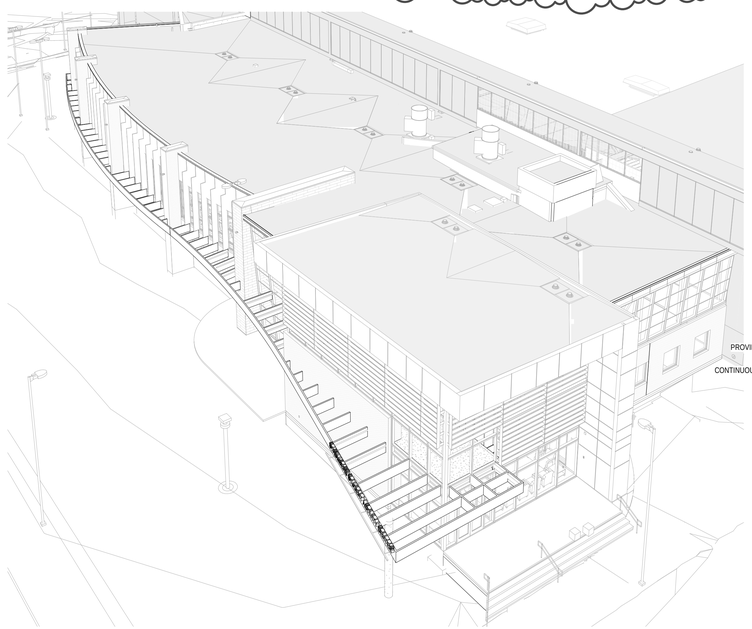
0' 1' 2'



C4 VISOR @ MASONRY / WIND GIRT1

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

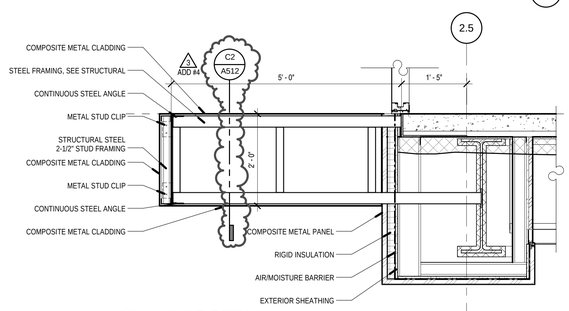
0' 1' 2' 4'



A1 COMPOSITE METAL VISOR

N.T.S.

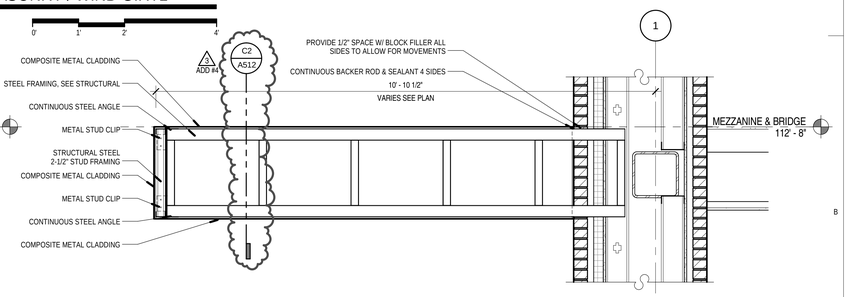
SCALE:



B3 VISOR DETAIL

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

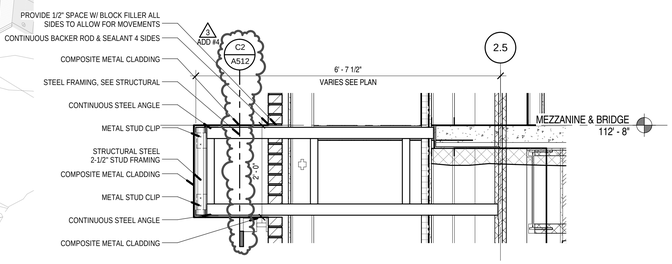
0' 1' 2' 4'



B5 VISOR @ MASONRY / WIND GIRT

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

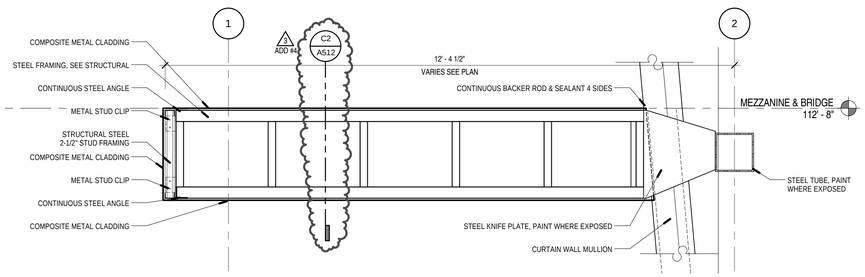
0' 1' 2' 4'



A3 VISOR @ MASORY PIER

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

0' 1' 2' 4'



A5 VISOR @ WIND GIRT

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

0' 1' 2' 4'

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

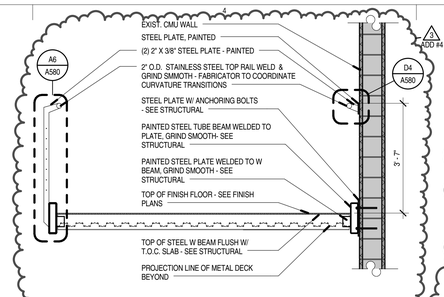
Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

COMPOSITE METAL VISOR DETAILS

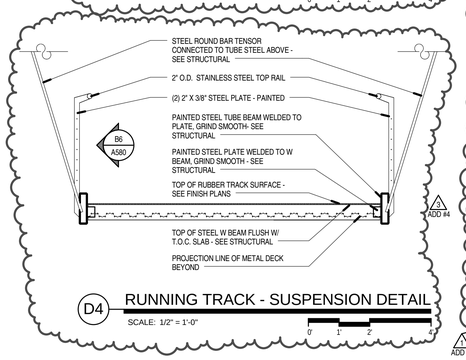
A512

10/24/2012 1:32:44 PM



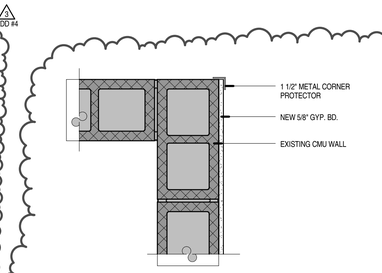
E4 RUNNING TRACK DETAIL VIEW

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



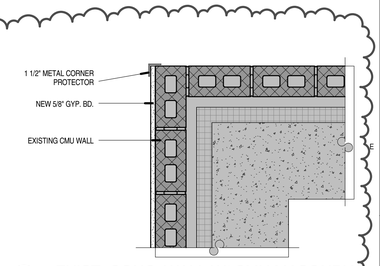
D4 RUNNING TRACK - SUSPENSION DETAIL

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



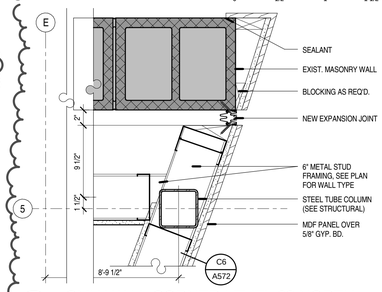
E5 EXIST. CMU WALL CORNER AT GRID E6

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



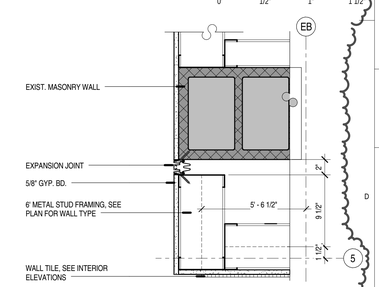
E6 EXIST. CONC. WALL W/ CMU MASONRY

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



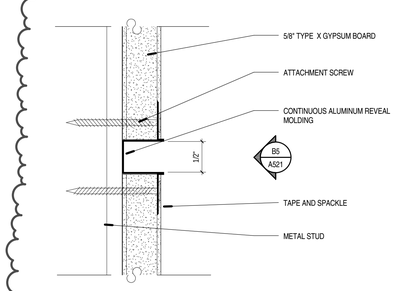
D5 CMU WALL CORNER LEVEL 02 NORTH

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



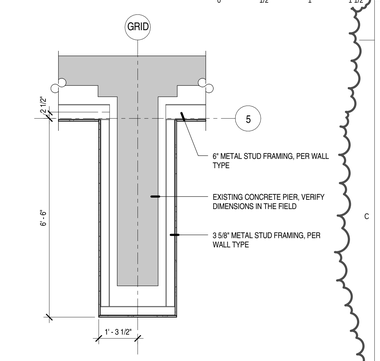
D6 CMU WALL CORNER LEVEL 02 SOUTH

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



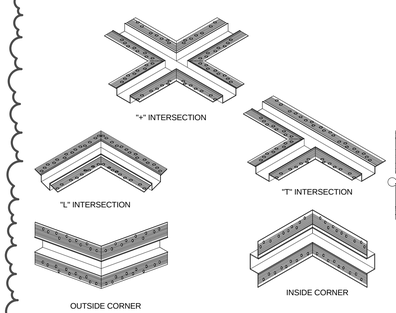
C5 GYP. BOARD REVEAL DETAIL

SCALE: 12" = 1'-0"



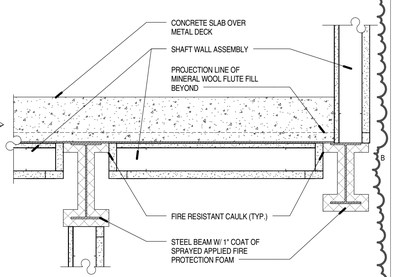
C6 EXISTING CONCRETE PIER DETAIL

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



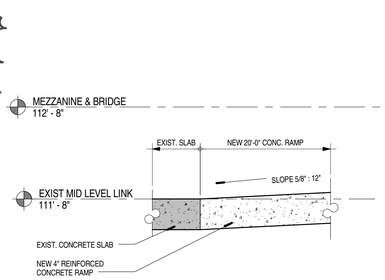
B5 REVEAL END CAP DETAIL

SCALE: 3" = 1'-0"



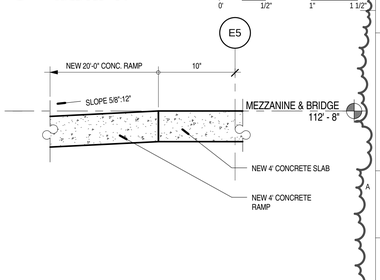
B6 SHAFT ASSEMBLY AT STAIR

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



A5 RAMP BASE DETAIL

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



A6 RAMP TOP DETAIL

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

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

LICENSED ARCHITECT
No. 13398
BRENT R. TIPPETS
10-2-12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

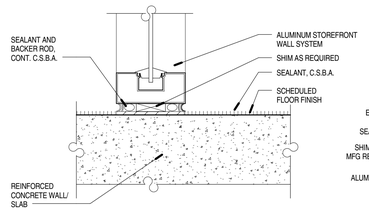
Rev #	Date	Description
1	10.12.2012	ADD #2
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

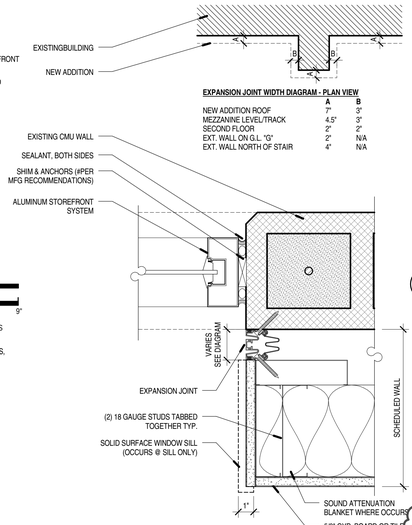
INTERIOR DETAILS

A521

10/24/2012 1:32:50 PM

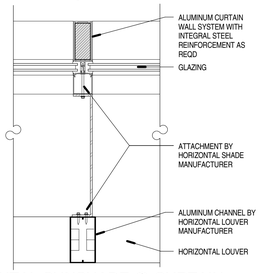


E1 INTERIOR STOREFRONT SILL
SCALE: 3" = 1'-0"

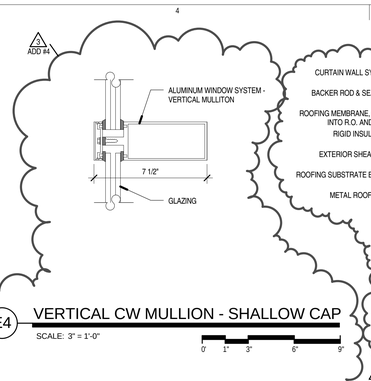


EXPANSION JOINT WIDTH DIAGRAM - PLAN VIEW

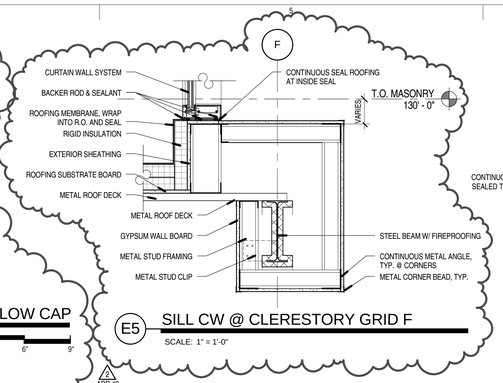
	A	B
NEW ADDITION ROOF	7"	5"
MEZZANINE LEVEL/TRACK	4.5"	5"
SECOND FLOOR	2"	2"
EXT. WALL ON G.L. "G"	2"	N/A
EXT. WALL NORTH OF STAIR	4"	N/A



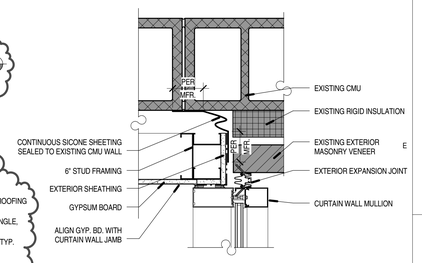
E3 HORIZONTAL SUNSHADE @ CURTAIN WALL
SCALE: 1 1/2" = 1'-0"



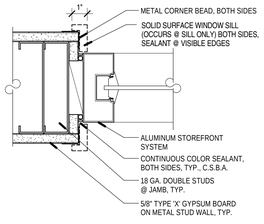
E4 VERTICAL CW MULLION - SHALLOW CAP
SCALE: 3" = 1'-0"



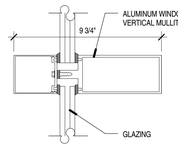
E5 SILL CW @ CLERESTORY GRID F
SCALE: 1" = 1'-0"



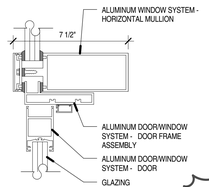
E6 EXPANSION JOINT @ CURTAIN WALL
SCALE: 1 1/2" = 1'-0"



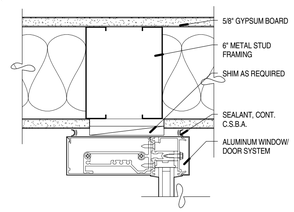
D1 INTERIOR STOREFRONT JAMB DETAIL 6" STUD WALL
SCALE: 3" = 1'-0"



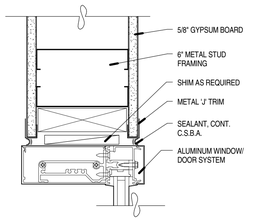
D3 VERTICAL CW MULLION - DEEP CAP
SCALE: 3" = 1'-0"



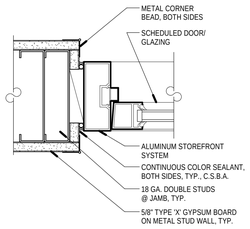
D4 CURTAIN WALL DOOR HEAD
SCALE: 3" = 1'-0"



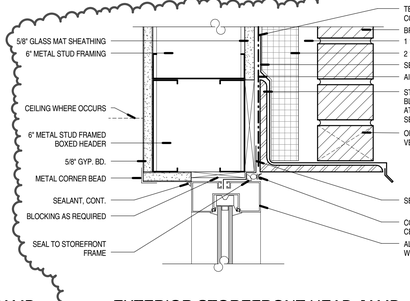
D5 CURTAINWALL AT INTERIOR WALL
SCALE: 3" = 1'-0"



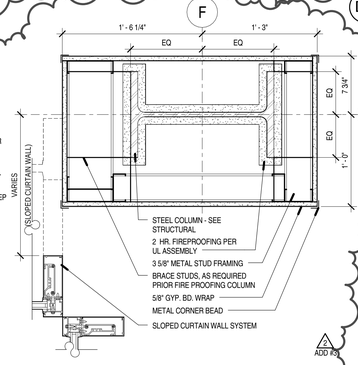
D6 CURTAINWALL DETAIL
SCALE: 3" = 1'-0"



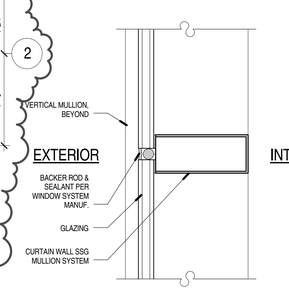
C1 INTERIOR STOREFRONT DOOR JAMB DETAIL 6" STUD WALL
SCALE: 3" = 1'-0"



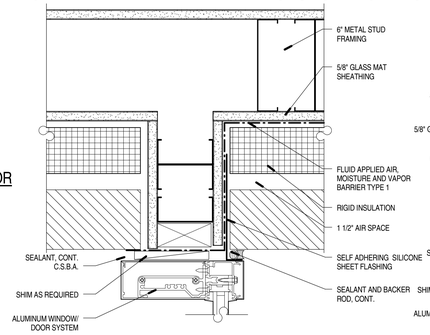
C2 EXTERIOR STOREFRONT HEAD-JAMB DETAIL 6" STUD WALL
SCALE: 3" = 1'-0"



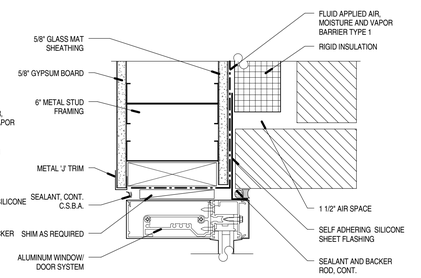
C3 GYP. BD. COLUMN WRAP
SCALE: 1 1/2" = 1'-0"



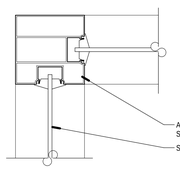
C4 SSG MULLION - HORIZONTAL MULLION
SCALE: 3" = 1'-0"



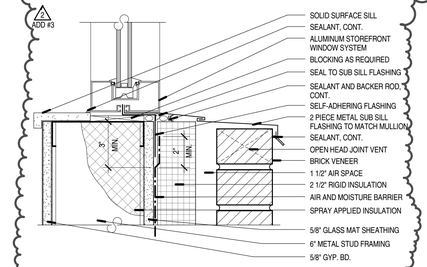
C5 CURTAIN WALL AT BRICK
SCALE: 3" = 1'-0"



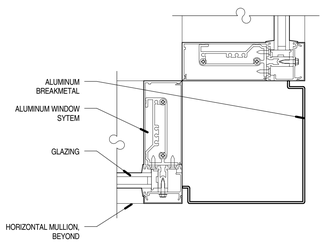
C6 CURTAIN WALL HEAD & JAMB AT BRICK
SCALE: 3" = 1'-0"



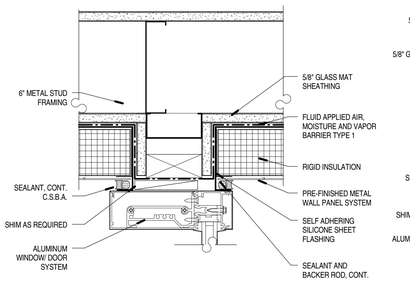
B1 INTERIOR (EXTERIOR SIM.) STOREFRONT CORNER DETAIL
SCALE: 3" = 1'-0"



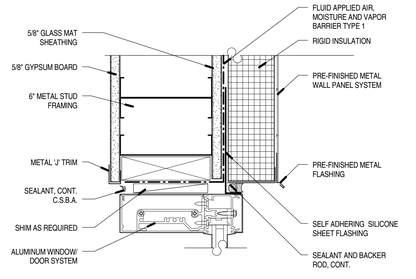
B2 EXTERIOR STOREFRONT SILL DETAIL 6" STUD WALL
SCALE: 3" = 1'-0"



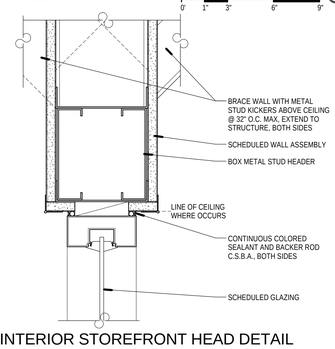
B4 CURTAINWALL CORNER
SCALE: 3" = 1'-0"



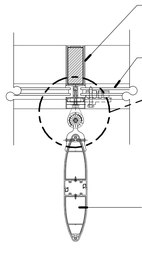
B5 CURTAIN WALL AT METAL PANEL
SCALE: 3" = 1'-0"



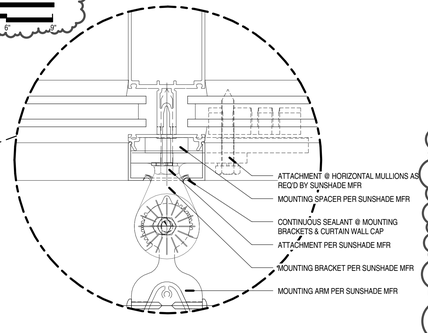
B6 CURTAINWALL HEAD & JAMB AT METAL PANEL
SCALE: 3" = 1'-0"



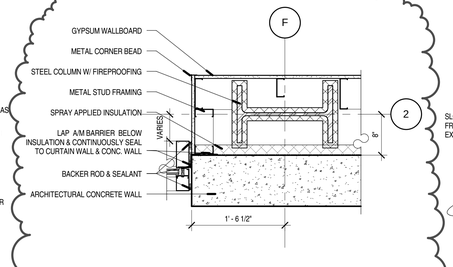
A1 INTERIOR STOREFRONT HEAD DETAIL 6" STUD WALL
SCALE: 3" = 1'-0"



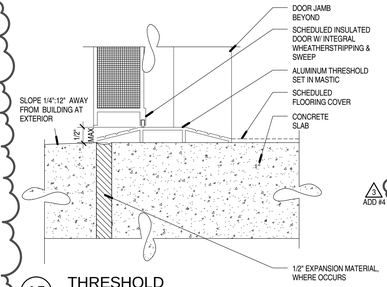
A2 VERTICAL SUNSHADE @ CURTAIN WALL
SCALE: 1 1/2" = 1'-0"



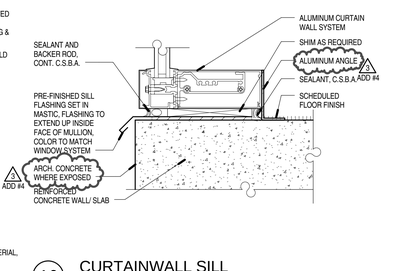
A3 VERTICAL SUNSHADE BLOWUP
SCALE: 6" = 1'-0"



A4 SLANTED & STRAIGHT CURTAINWALLS
SCALE: 1" = 1'-0"



A5 THRESHOLD
SCALE: 6" = 1'-0"



A6 CURTAINWALL SILL
SCALE: 3" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

LICENSED ARCHITECT
No. 13392
BRENT R. TIPPETS
10-2-12
STATE OF UTAH

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

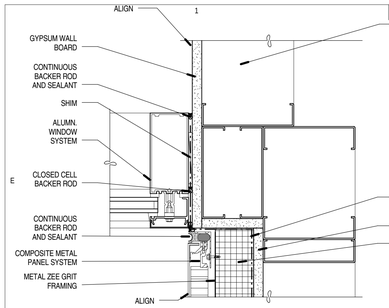
Rev #	Date	Description
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

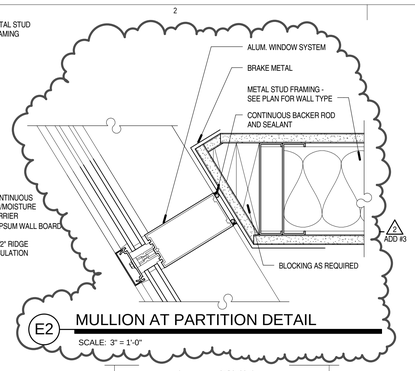
GLAZING DETAILS

A561

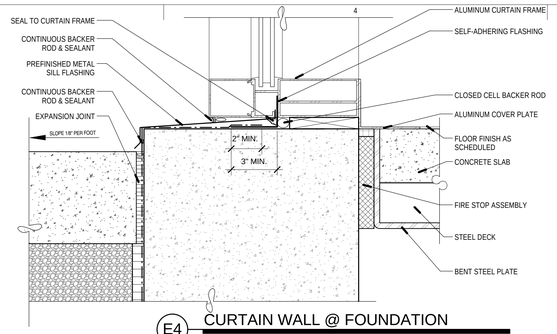
10/24/2012 1:33:00 PM



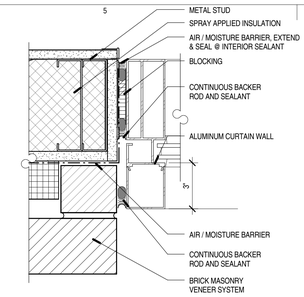
E1 JAMB CURTAINWALL DETAIL
SCALE: 3" = 1'-0"



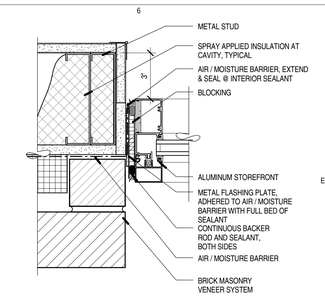
E2 MULLION AT PARTITION DETAIL
SCALE: 3" = 1'-0"



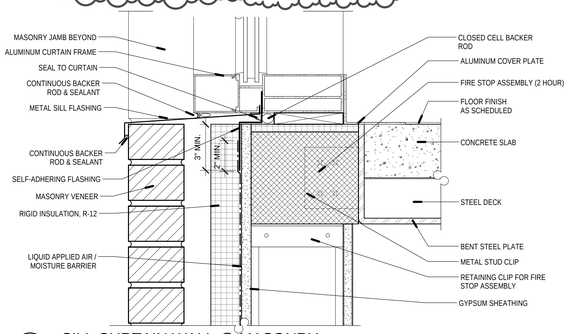
E4 CURTAIN WALL @ FOUNDATION
SCALE: 3" = 1'-0"



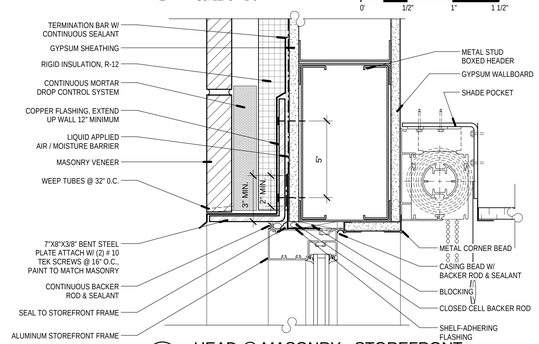
E5 JAMB CURTAIN WALL @ MASONRY
SCALE: 3" = 1'-0"



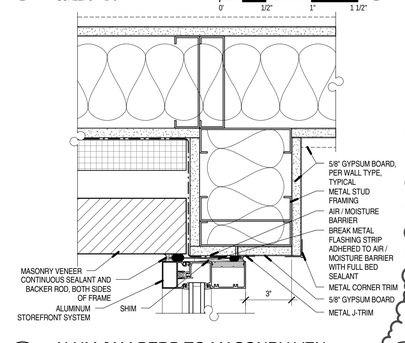
E6 JAMB STOREFRONT @ MASONRY
SCALE: 3" = 1'-0"



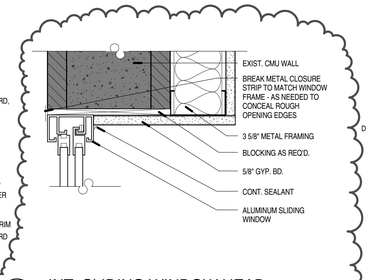
D2 SILL CURTAIN WALL @ MASONRY
SCALE: 3" = 1'-0"



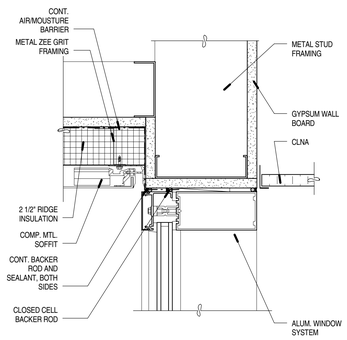
D4 HEAD @ MASONRY - STOREFRONT
SCALE: 3" = 1'-0"



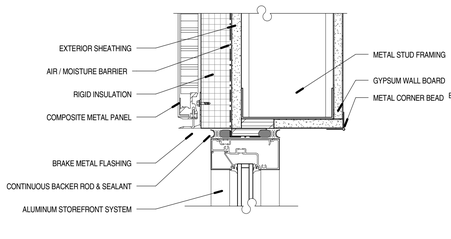
D5 ALUM JAM PERP TO MASONRY VEN.
SCALE: 3" = 1'-0"



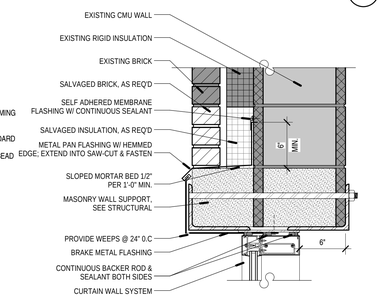
D6 INT. SLIDING WINDOW HEAD
SCALE: 3" = 1'-0"



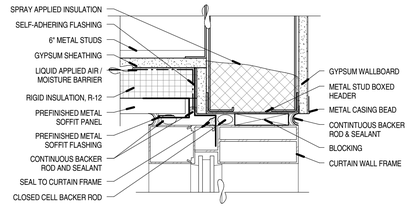
C1 HEAD DETAIL COMPOSTIE SOFFIT
SCALE: 3" = 1'-0"



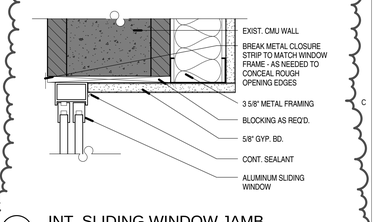
C2 HEAD SF @ COMPOSITE MTL. PNL.
SCALE: 3" = 1'-0"



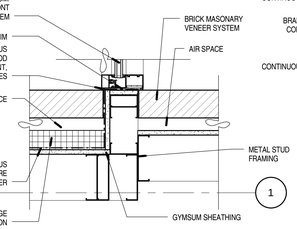
C3 HEAD CW @ EXISTING
SCALE: 1 1/2" = 1'-0"



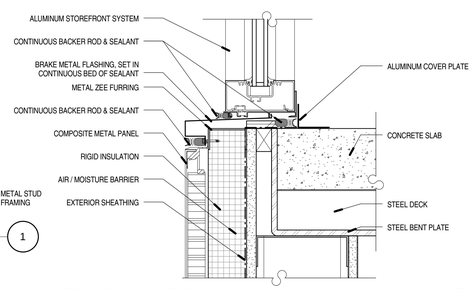
C5 CURTAIN HEAD @ SOFFIT
SCALE: 3" = 1'-0"



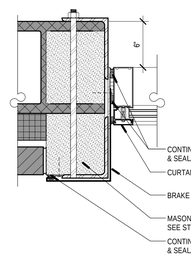
C6 INT. SLIDING WINDOW JAMB
SCALE: 3" = 1'-0"



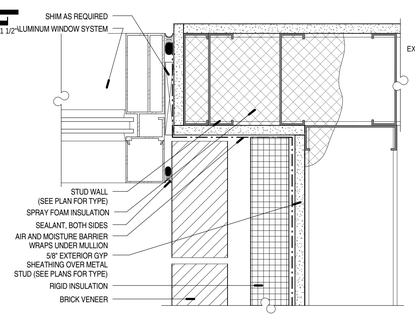
B1 STOREFRONT VENEER JAMB
SCALE: 1 1/2" = 1'-0"



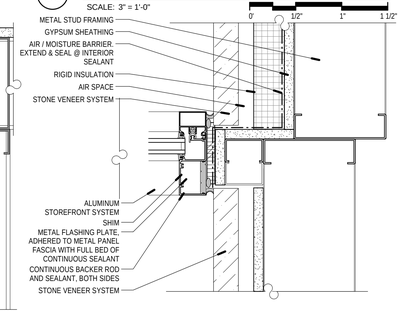
B2 SILL SF @ SLAB EDGE
SCALE: 3" = 1'-0"



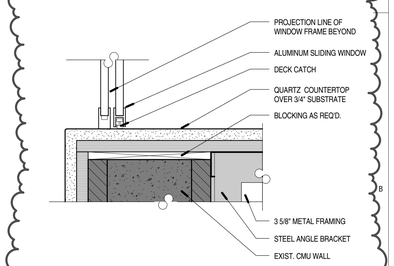
B3 JAMB CW @ EXISTING
SCALE: 1 1/2" = 1'-0"



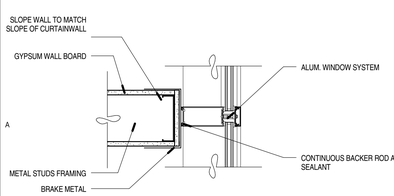
B4 CURTAINWALL JAMB PERPENDICULAR TO BRICK
SCALE: 3" = 1'-0"



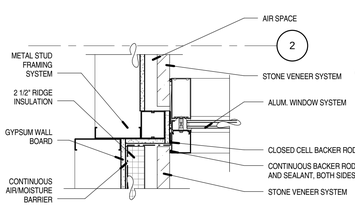
B5 ALUM.JAMB PERPENDICULAR TO STONE VENEER
SCALE: 3" = 1'-0"



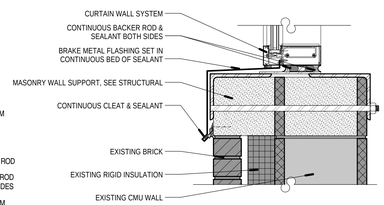
B6 INT. SLIDING WINDOW SILL DETAIL
SCALE: 3" = 1'-0"



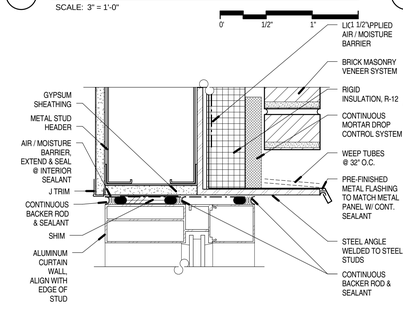
A1 CURTAINWALL MULLION DETAIL
SCALE: 1 1/2" = 1'-0"



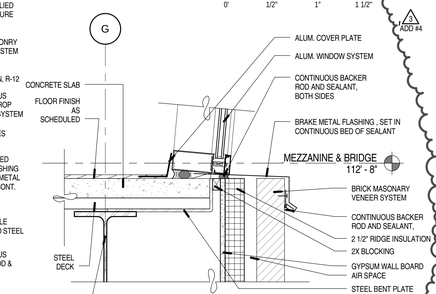
A2 JAMB CW @ STONE CLADDING
SCALE: 1 1/2" = 1'-0"



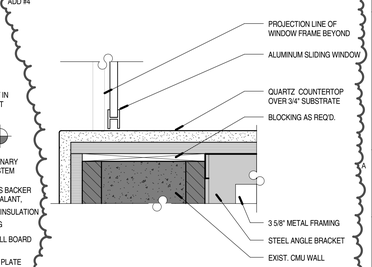
A3 SILL CW @ EXISTING
SCALE: 1 1/2" = 1'-0"



A4 CURTAINWALL HEAD @ MASONRY VENEER
SCALE: 3" = 1'-0"



A5 SILL CURTAIN WALL @ SLAB EDGE
SCALE: 1 1/2" = 1'-0"



A6 INT. SLIDING WINDOW SILL BEYOND
SCALE: 3" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

LICENSED ARCHITECT
BRENT R. TIPPETS
10-2-12
STATE OF UTAH

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

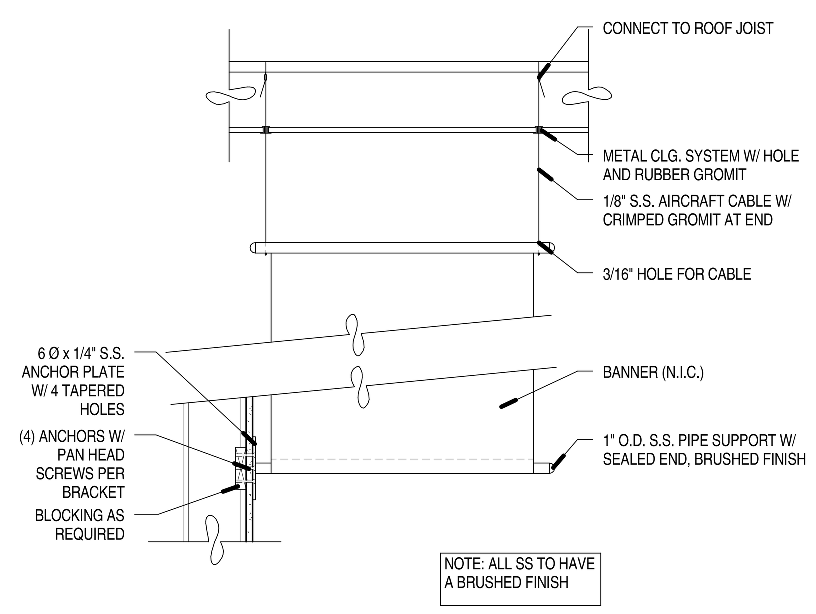
Rev #	Date	Description
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

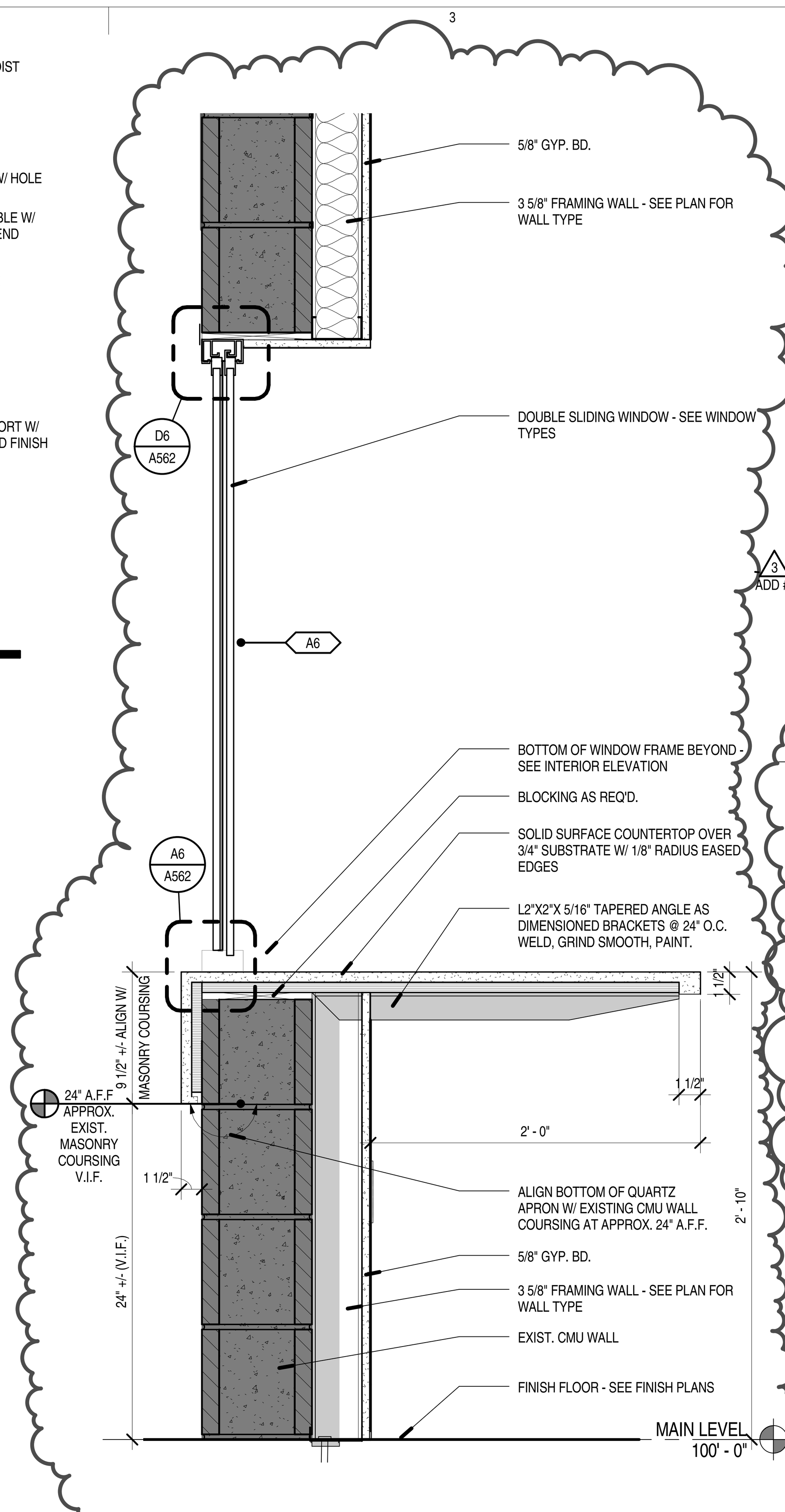
GLAZING DETAILS

A562

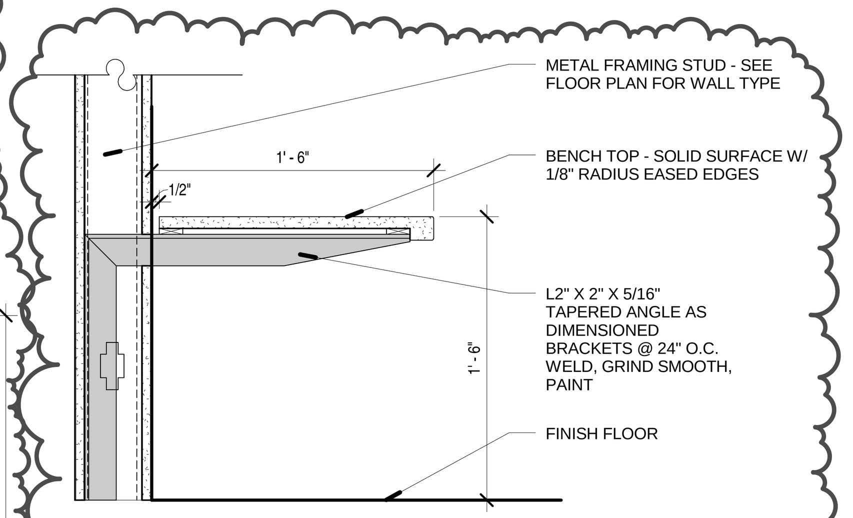
10/24/2012 1:33:09 PM



E2 BANNER BRACKET DETAIL
SCALE: 1" = 1'-0"

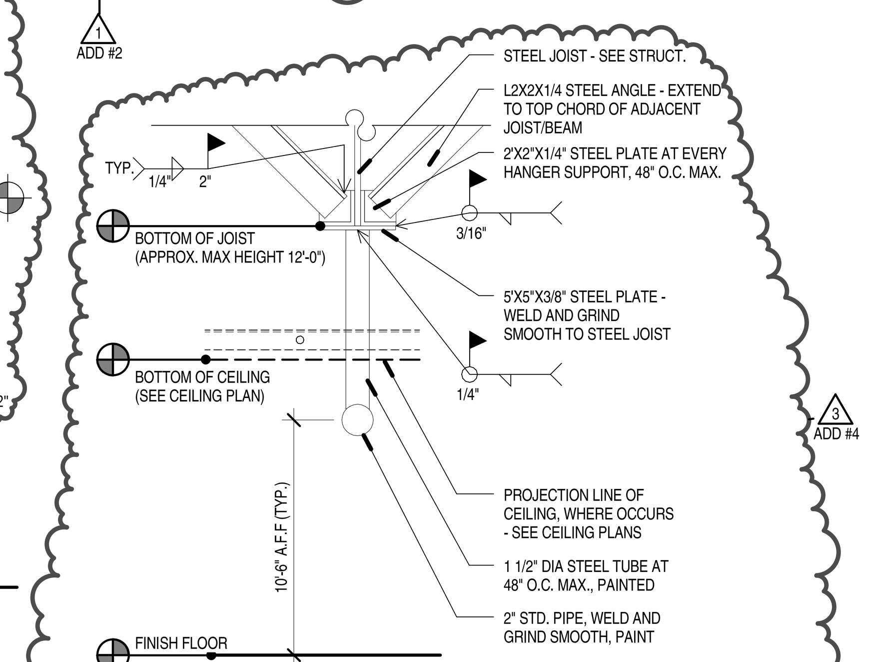


C3 CSC 110 SLIDING WINDOW COUNTER
SCALE: 1 1/2" = 1'-0"

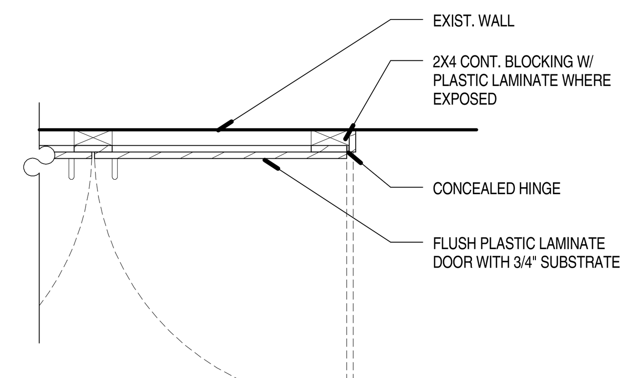


D4 BENCH SECTION
SCALE: 1 1/2" = 1'-0"

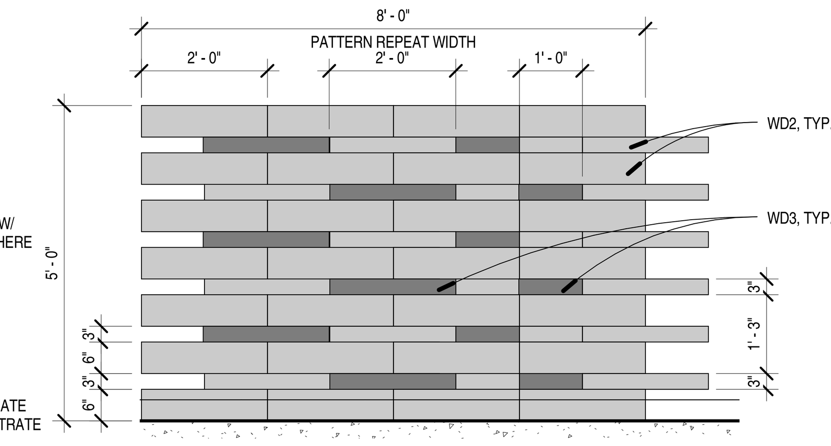
1 ADD #2



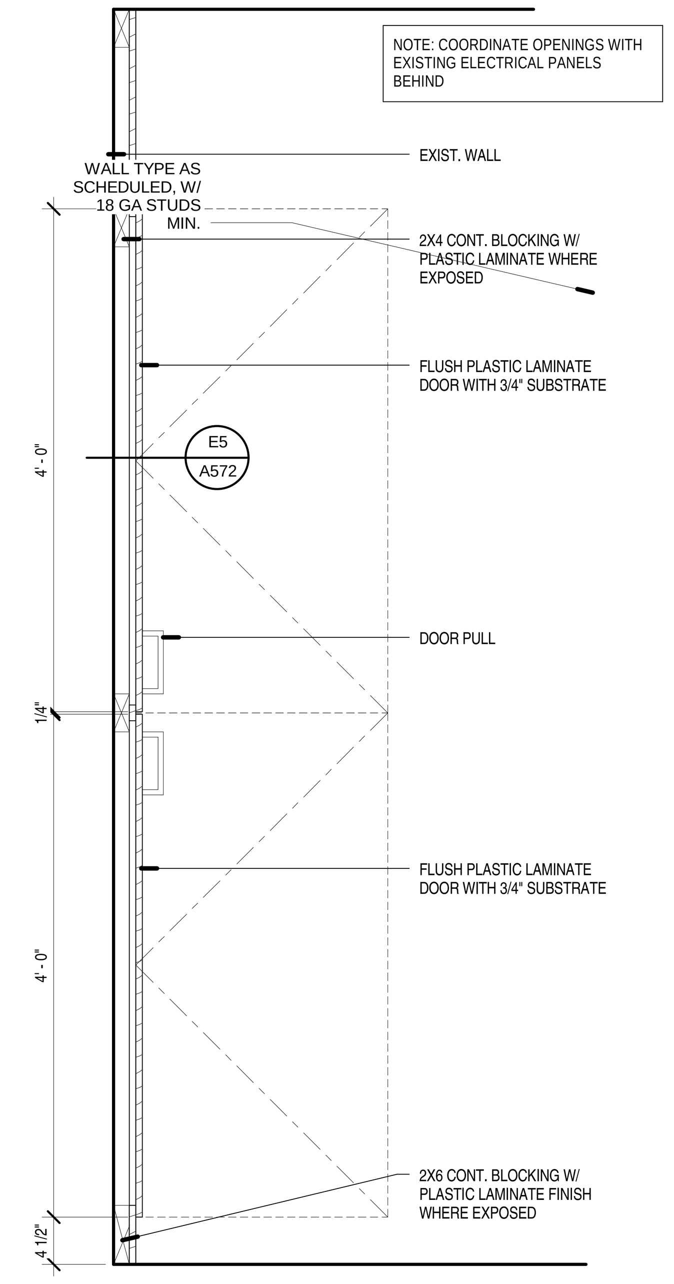
C4 CEILING MOUNTED FITNESS ANCHOR
SCALE: 1 1/2" = 1'-0"



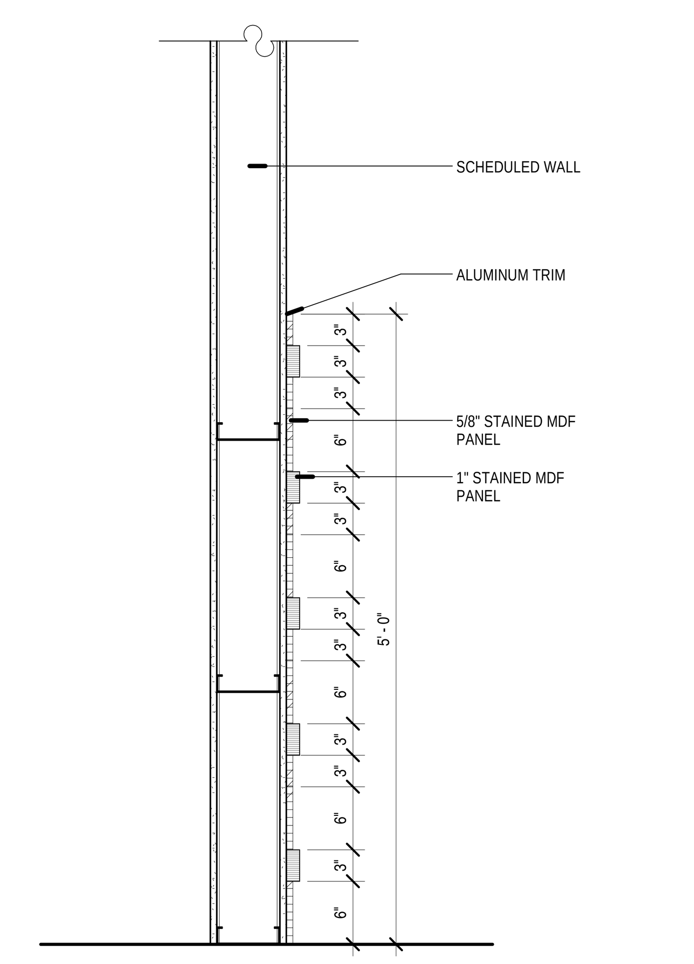
E5 CABINET PANEL ACCESS DETAIL
SCALE: 1" = 1'-0"



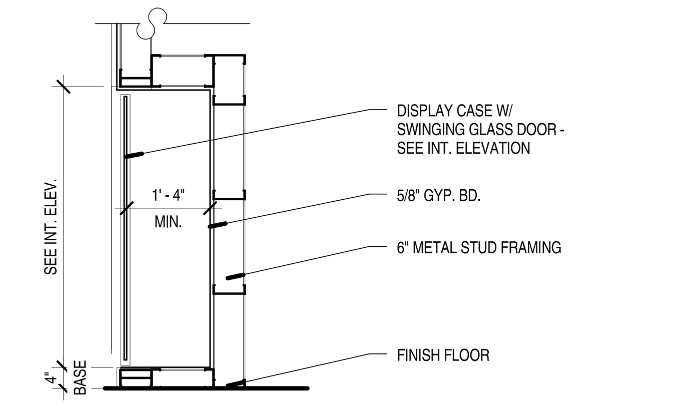
E6 TYP. MDF WOOD PANEL PATTERN
SCALE: 1/2" = 1'-0"



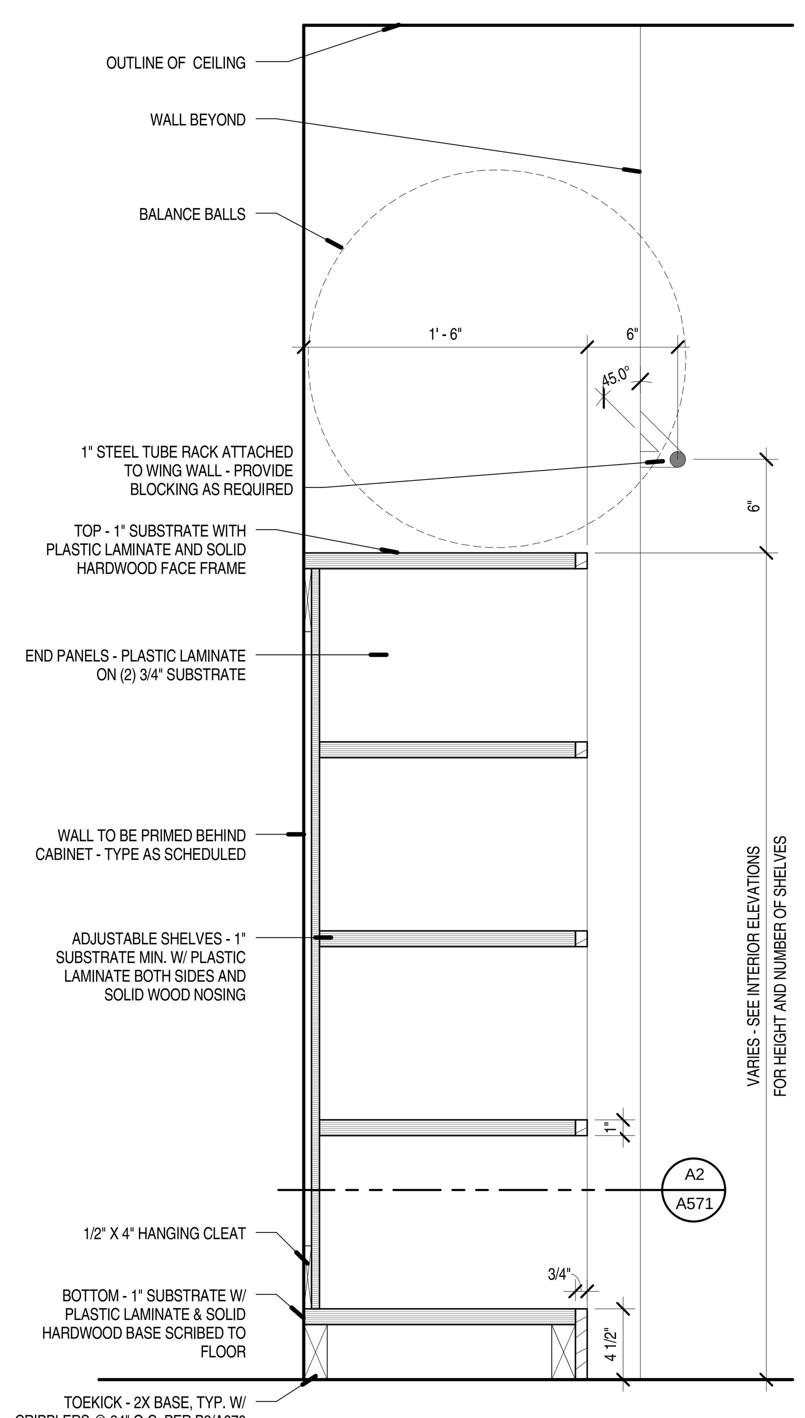
C5 CABINET PANEL ACCESS
SCALE: 1" = 1'-0"



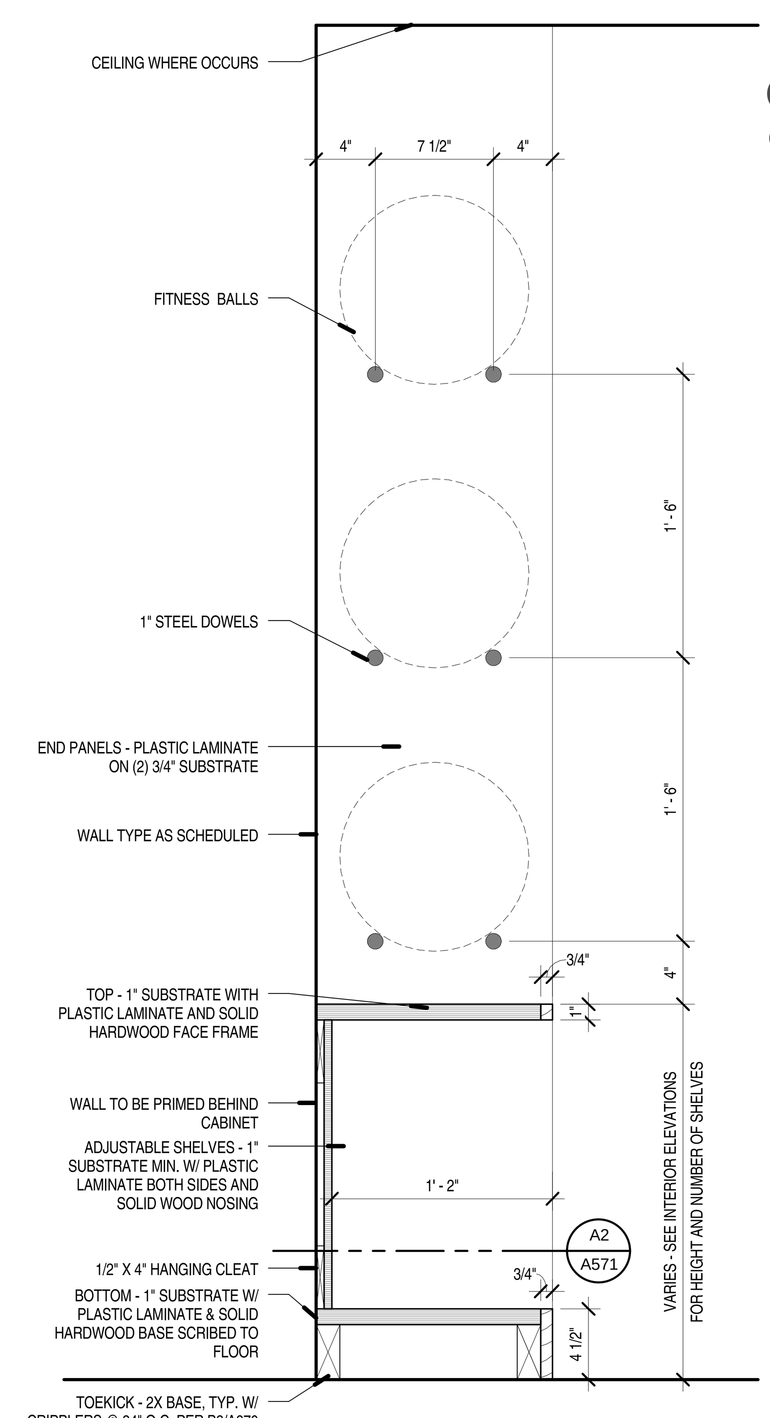
C6 MDF PANEL DETAIL
SCALE: 1" = 1'-0"



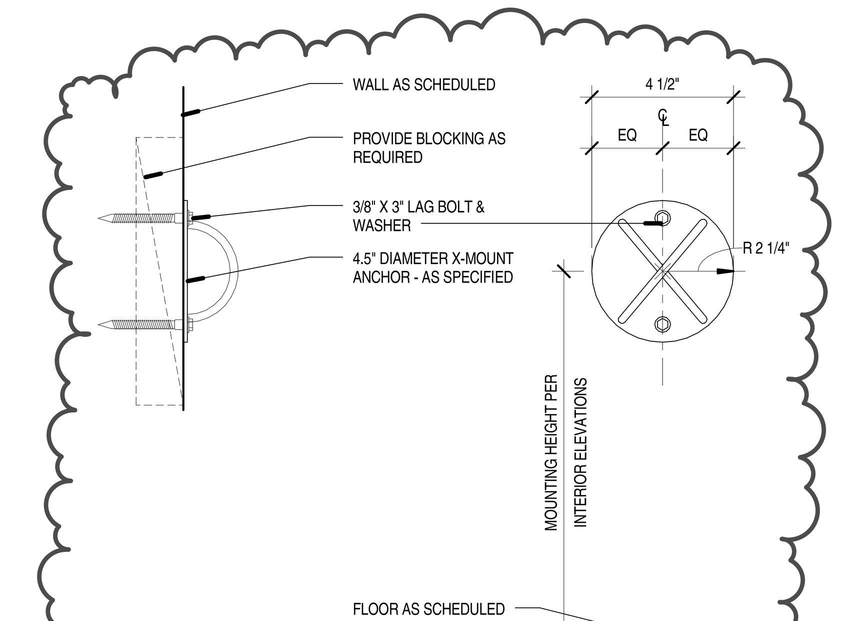
B6 DISPLAY CASE DETAIL
SCALE: 1/2" = 1'-0"



A2 CUBBIES AND BALL RACK
SCALE: 1 1/2" = 1'-0"

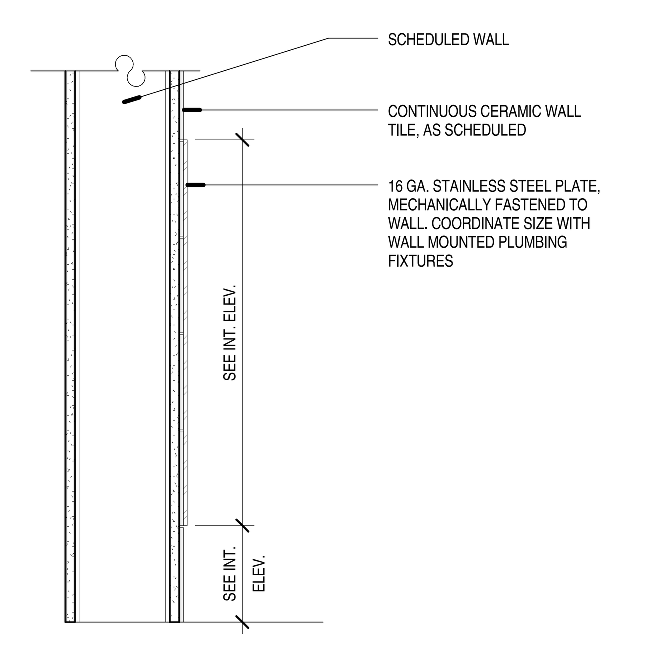


A3 CUBBY AND BALL STORAGE
SCALE: 1 1/2" = 1'-0"

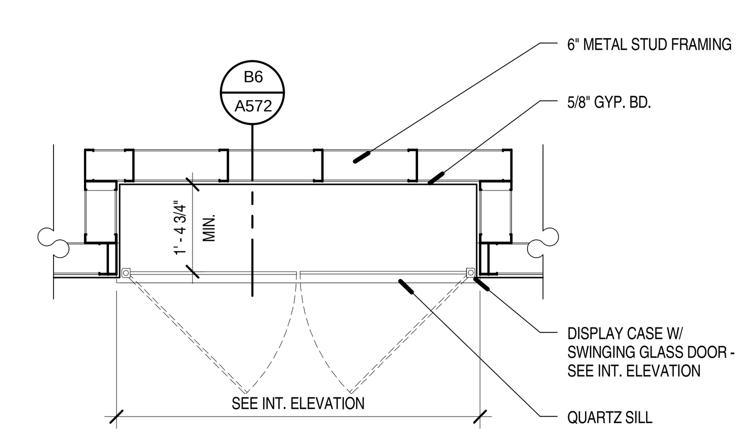


A4 SUSPENSION TRAINING WALL MOUNT
SCALE: 3" = 1'-0"

2 ADD #3



A5 STAINLESS STEEL PANEL DETAIL
SCALE: 1 1/2" = 1'-0"



A6 DISPLAY CASE
SCALE: 1/2" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

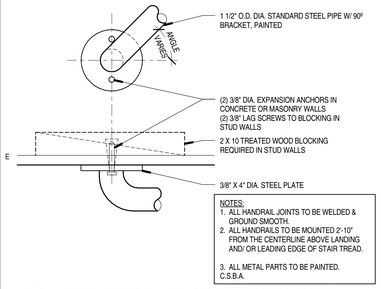
Rev #	Date	Description
1	10.12.2012	ADD #2
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

CASEWORK DETAILS

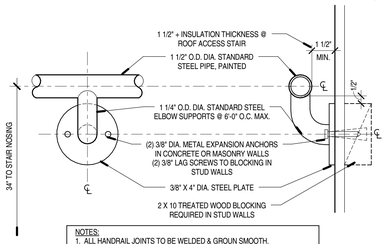
A572

10/24/2012 1:33:15 PM



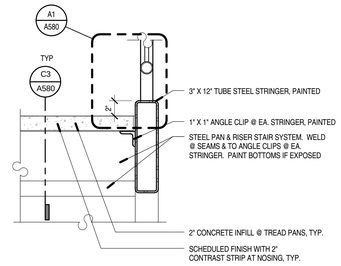
NOTES:
1. ALL HANDRAIL JOINTS TO BE WELDED & GROUND SMOOTH.
2. ALL HANDRAILS TO BE MOUNTED 2'-10" FROM THE CENTERLINE ABOVE LANDING AND/ OR LEADING EDGE OF STAIR TREAD.
3. ALL METAL PARTS TO BE PAINTED. C.S.B.A.

E1 STANDARD HANDRAIL TERMINATION
SCALE: 3" = 1'-0"

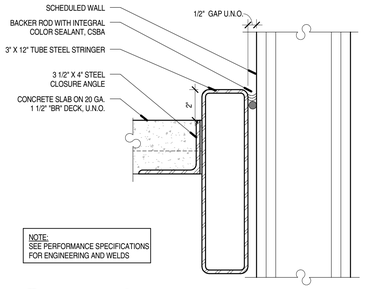


NOTES:
1. ALL HANDRAIL JOINTS TO BE WELDED & GROUN SMOOTH.
2. ALL HANDRAILS TO BE MOUNTED 2'-10" FROM THE CENTERLINE ABOVE LANDING AND/ OR LEADING EDGE OF STAIR TREAD.
3. ALL METAL PARTS TO BE PAINTED. C.S.B.A.

E2 STANDARD MID-RAIL DETAIL
SCALE: 3" = 1'-0"

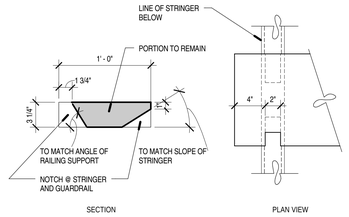


E3 TYPICAL STRINGER DETAIL
SCALE: 1 1/2" = 1'-0"

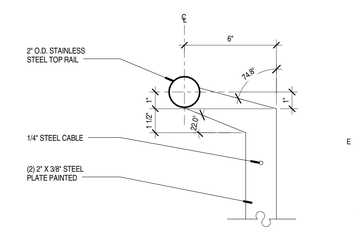


NOTE:
SEE PERFORMANCE SPECIFICATIONS FOR ENGINEERING AND WELDS

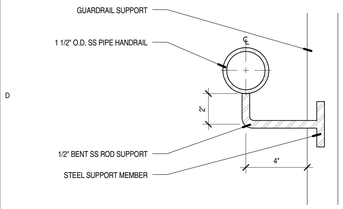
E4 LANDING DETAIL
SCALE: 3" = 1'-0"



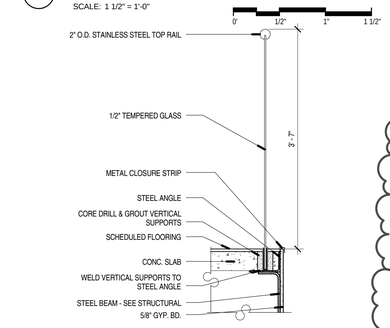
E5 GRAND STAIR TREAD DETAIL
SCALE: 1 1/2" = 1'-0"



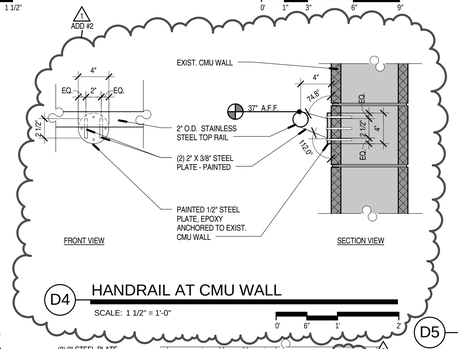
E6 TOP HANDRAIL DETAIL
SCALE: 3" = 1'-0"



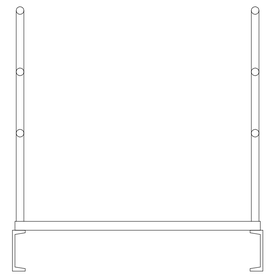
D1 TYPICAL HANDRAIL DETAIL
SCALE: 3" = 1'-0"



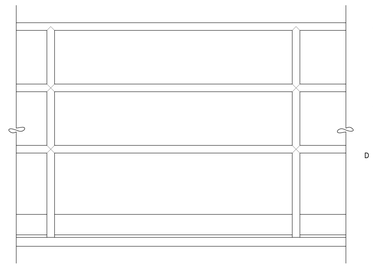
D3 GLASS GUARDRAIL
SCALE: 1" = 1'-0"



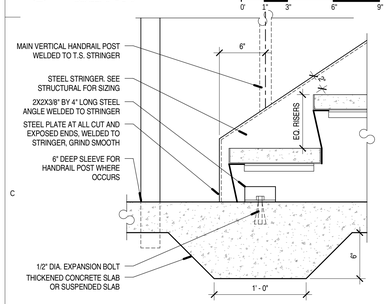
D4 HANDRAIL AT CMU WALL
SCALE: 1 1/2" = 1'-0"



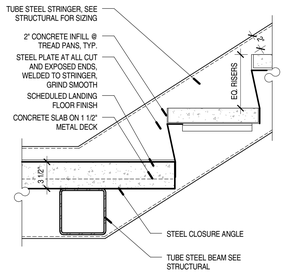
D5 CATWALK SECTION
SCALE: 1" = 1'-0"



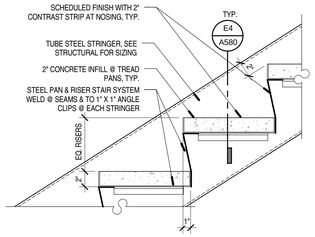
D6 CATWALK GAURDRAIL
SCALE: 1" = 1'-0"



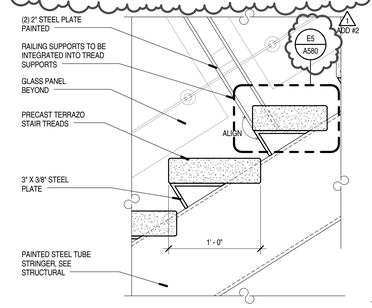
C1 TYPICAL STAIR @ BASE
SCALE: 1 1/2" = 1'-0"



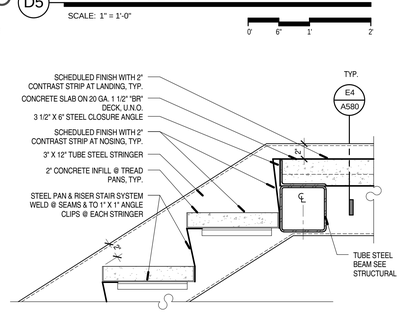
C2 TYPICAL STAIR LANDING 2
SCALE: 1 1/2" = 1'-0"



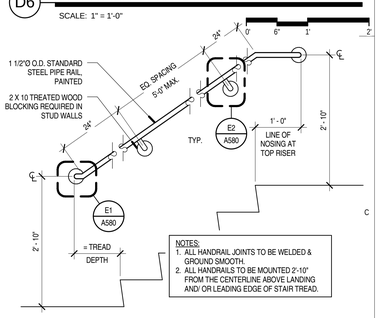
C3 TYPICAL STAIR TREAD
SCALE: 1 1/2" = 1'-0"



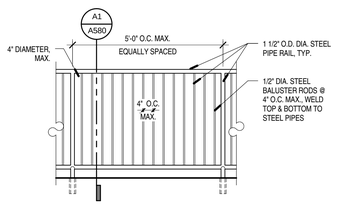
C4 TREAD DETAIL
SCALE: 1 1/2" = 1'-0"



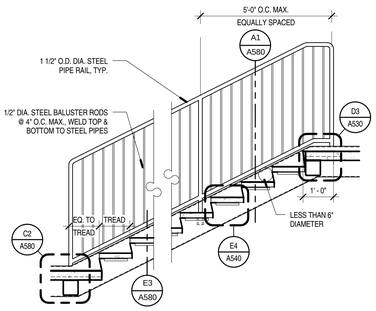
C5 TYPICAL STAIR LANDING
SCALE: 1 1/2" = 1'-0"



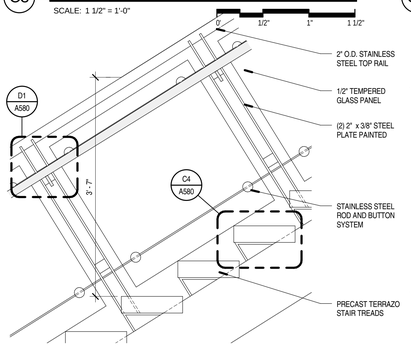
C6 TYPICAL HANDRAIL ELEVATION
SCALE: 3/4" = 1'-0"



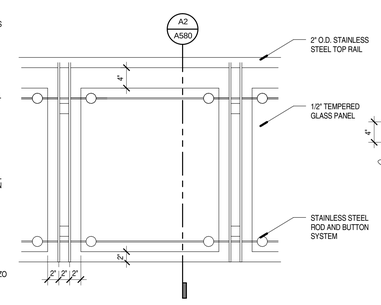
B1 TYPICAL SITE GUARDRAIL ELEVATION
SCALE: 1/2" = 1'-0"



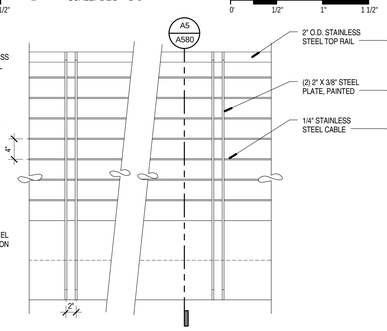
B2 TYPICAL STAIR RAIL ELEVATION
SCALE: 1/2" = 1'-0"



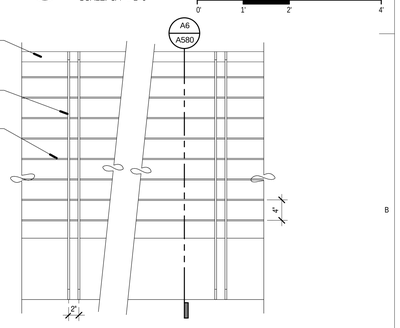
B3 GLASS RAILING @ GRAND STAIR
SCALE: 1" = 1'-0"



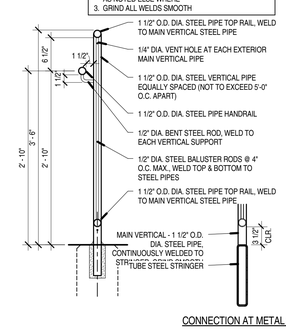
B4 RAILING @ LOBBY ELEVATION
SCALE: 1" = 1'-0"



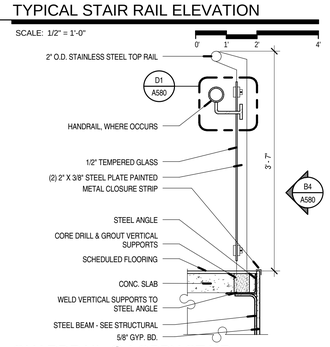
B5 RAILING @ BRIDGE ELEVATION
SCALE: 1" = 1'-0"



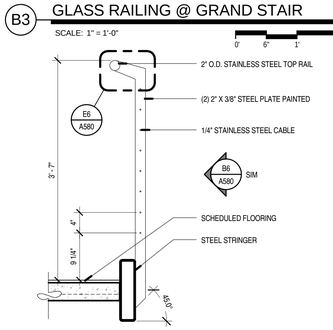
B6 RAILING @ TRACK ELEVATION
SCALE: 1" = 1'-0"



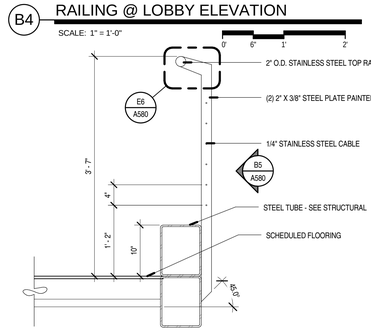
A1 TYPICAL GUARDRAIL SECTION
SCALE: 1" = 1'-0"



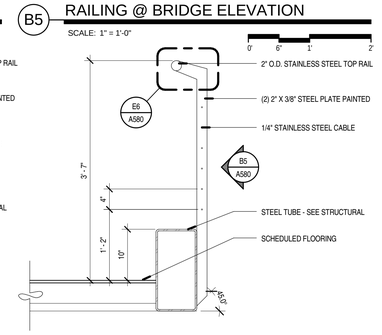
A2 GUARDRAIL @ LOBBY STAIR
SCALE: 1" = 1'-0"



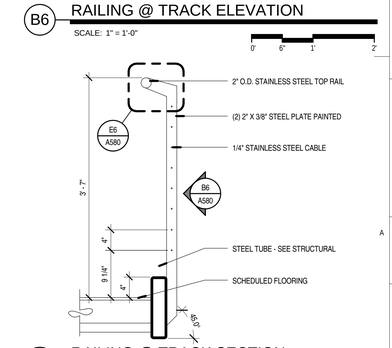
A3 RAILING @ STAIR
SCALE: 1" = 1'-0"



A4 RAILING @ BRIDGE 2
SCALE: 1" = 1'-0"



A5 RAILING @ BRIDGE
SCALE: 1" = 1'-0"



A6 RAILING @ TRACK SECTION
SCALE: 1" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
1	10.12.2012	ADD #2

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

RAILING DETAILS

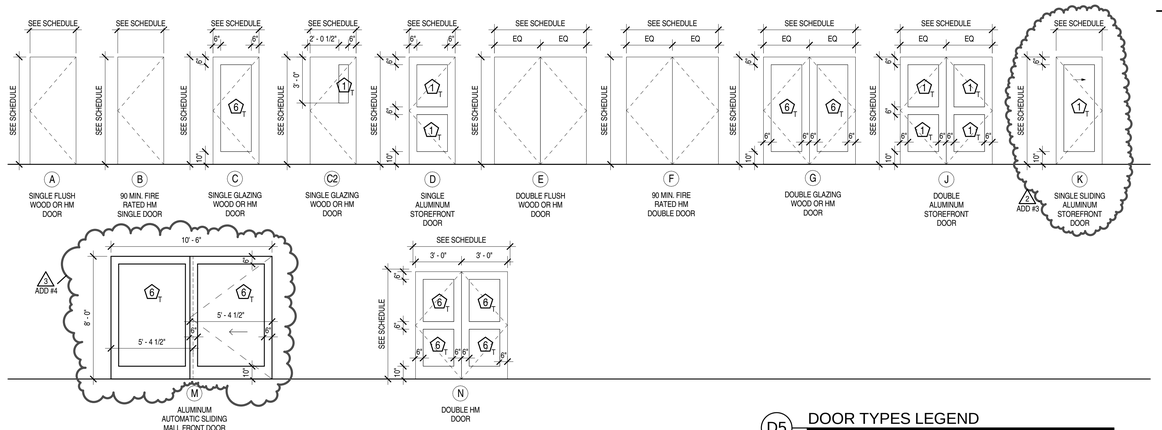
A580

10/24/2012 1:33:22 PM

DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR NEW/EXISTING	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICK	DOOR ELEV. TYPE	DOOR MATERIAL	DOOR FACING/FINISH	FRAME NEW/EXISTING	FRAME ELEV. TYPE	FRAME MATERIAL	FRAME FINISH/FACING	HARDWARE GROUP	LABEL (MIN.)	NOTES	DOOR NUMBER
100	N	126"	96"	1 3/4"	K	AL	ANODIZED	N	3	AL	ANODIZED	2.0		VESTIBULE ENTRY	100
100A	N	72"	96"	1 3/4"	J	AL	ANODIZED	N	2	AL	ANODIZED	1.0		NORTH ENTRY	100A
100A1	N	72"	96"	1 3/4"	J	AL	ANODIZED	N	2	AL	ANODIZED	1.0		SOUTH ENTRY	100A1
101	N	36"	84"	1 3/4"	D	AL	ANODIZED	N	4	AL	ANODIZED	9.1		RECEPTION	101
101A	N	36"	84"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	15.0		EQUIP	101A
101AB	N	36"	84"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	15.0		EQUIP	101AB
101B	N	36"	84"	1 3/4"	C	WD	S.C.W.P.	N	5	AL	ANODIZED	22.0		CONF	101B
101B1	N	36"	84"	1 3/4"	C	WD	S.C.W.P.	N	8	H.M.	PAINT	23.0		CONF	101B1
101D	N	36"	84"	1 3/4"	C	WD	S.C.W.P.	N	9	HM	PAINT	19.0		OFFICE	101D
101E	N	36"	84"	1 3/4"	C	WD	S.C.W.P.	N	9	HM	PAINT	19.0		OFFICE	101E
101F	N	36"	84"	1 3/4"	C	WD	S.C.W.P.	N	9	HM	PAINT	19.0		OFFICE	101F
101G	N	36"	84"	1 3/4"	C	WD	S.C.W.P.	N	9	HM	PAINT	19.0		STUDENT OFFICE	101G
102A	N	36"	80"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	17.0		ELEV. EQUIP.	102A
102B	N	72"	84"	1 3/4"	J	AL	ANODIZED	N	11	AL	ANODIZED	8.1		LOBBY	102B
102C	N	72"	84"	1 3/4"	J	AL	ANODIZED	N	11	AL	ANODIZED	8.1		LOBBY	102C
102D	N	72"	84"	1 3/4"	J	AL	ANODIZED	N	11	AL	ANODIZED	8.1		LOBBY	102D
102E	N	72"	84"	1 3/4"	J	AL	ANODIZED	N	11	AL	ANODIZED	8.1		LOBBY	102E
102F	N	72"	84"	1 3/4"	E	H.M.	PAINT	N	8	H.M.	PAINT	3.0		LOBBY ENTRY	102F
102G	N	72"	84"	1 3/4"	E	H.M.	PAINT	N	8	H.M.	PAINT	3.0		LOBBY ENTRY	102G
102H	N	72"	84"	1 3/4"	E	H.M.	PAINT	N	8	H.M.	PAINT	3.0		LOBBY ENTRY	102H
103A	N	72"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	7.0		MAINTENANCE EXT.	103A
103A1	N	72"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	12.0		STORAGE INT.	103A1
103B	N	72"	84"	1 3/4"	E	H.M.	PAINT	N	8	H.M.	PAINT	7.0		STORAGE EXT.	103B
103B1	N	96"	84"	1 3/4"	E	H.M.	PAINT	N	8	H.M.	PAINT	7.0		STORAGE EXT.	103B1
103B2	N	96"	84"	1 3/4"	E	H.M.	PAINT	N	8	H.M.	PAINT	12.0		STORAGE INT.	103B2
103G	N	96"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	13.0	3 HR	COMM	103G
103H	N	96"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	13.0	3 HR	TREAD	103H
103J	N	42"	80"	1 3/8"	B	H.M.	PAINT	N	8	H.M.	PAINT	18.0	3 HR	STOR	103J
103K	N	42"	80"	1 3/8"	B	H.M.	PAINT	N	8	H.M.	PAINT	18.0	3 HR	STOR	103K
103L	N	96"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	13.0	3 HR	TREAD	103L
103M	N	96"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	13.0	3 HR	STOR	103M
103N	N	42"	80"	1 3/8"	B	H.M.	PAINT	N	8	H.M.	PAINT	18.0	3 HR	STOR	103N
103P	N	36"	84"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	13.0		STOR	103P
105	E	36"	80"	1 3/4"	-	EXIST.	EXIST.	E	-	EXIST.	EXIST.	15.0		EXIST. DOOR @ WORKRM - HWR CHANGE	105
105A	N	36"	84"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	15.0		F.R.	105A
105B	N	36"	84"	1 3/4"	C	H.M.	PAINT	N	9	HM	PAINT	19.0		OFFICE	105B
105C	N	36"	84"	1 3/4"	C	H.M.	PAINT	N	10	HM	PAINT	19.0		OFFICE	105C
105D (ADD #4)	N	72"	84"	1 3/4"	G	WD	S.C.W.P.	E	8	H.M.	PAINT			EXIST. DOOR @ WORKROOM	105D
109	N	36"	84"	1 3/4"	C	H.M.	PAINT	N	9	HM	PAINT	20.0		CLUB	109
110 (ADD #4)	N	36"	80"	1 3/4"	C	WD	S.C.W.P.	E	8	H.M.	PAINT	21.0		EXIST. DR. OPNG. @ CSC - NEW LEAF & HWR	110
121	N	72"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	10.0	3 HR	CONNECT. VEST.	121
121A	E	72"	84"	1 3/4"	-	EXIST.	EXIST.	E	-	EXIST.	EXIST.	26.0		EXISTING ENTRY DOOR - HWR CHANGE	121A
150	N	72"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	6.0	120	MECH.	150
150A	N	72"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	6.0	120	MECH.	150A
199C	N	36"	84"	1 3/4"	B	H.M.	PAINT	N	8	H.M.	PAINT	5.0	120	STAIR EXT.	199C
199D	N	48"	84"	BY MFR.	-	BY MFR.	BY MFR.	N	8	BY MFR.	BY MFR	25.0	120	ELEVATOR	199D
199E	N	48"	84"	BY MFR.	-	BY MFR.	BY MFR.	N	8	BY MFR.	BY MFR	25.0	120	ELEVATOR	199E
200CX	N	20"	84"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	14.0		PLUMBING	200CX
201	N	36"	84"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	17.0		COMM	201
202	N	36"	84"	1 3/4"	D	AL	ANODIZED	N	7	AL	ANODIZED	9.0		FITNESS 202	202
202A	N	36"	84"	1 3/4"	A	WD	S.C.W.P.	N	8	H.M.	PAINT	14.0		FIT. STOR.	202A
202B	N	36"	84"	1 3/4"	A	WD	S.C.W.P.	N	8	H.M.	PAINT	14.0		FIT. STOR.	202B
202C	N	36"	84"	1 3/4"	D	AL	ANODIZED	N	7	AL	ANODIZED	9.0		FITNESS 202	202C
203A	N	36"	84"	1 3/4"	A	WD	S.C.W.P.	N	8	H.M.	PAINT	14.0		FIT. STOR.	203A
203B	N	36 1/4"	84"	1 3/4"	D	AL	ANODIZED	N	6	AL	ANODIZED	9.0		FITNESS 203	203B
203C	N	36"	84"	1 3/4"	D	AL	ANODIZED	N	6	AL	ANODIZED	9.0		FITNESS 203	203C
206	N	36"	84"	1 3/4"	A	WD	PAINT	N	8	H.M.	PAINT	24.0		MEN'S	206
207	N	36"	84"	1 3/4"	A	WD	PAINT	N	8	H.M.	PAINT	24.0		WOMEN'S	207
208	N	36"	84"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	14.0		JAN	208
209	N	42"	84"	1 3/4"	A	H.M.	PAINT	N	8	PAINT	PAINT	16.0		STORAGE	209
209B	N	36"	84"	1 3/4"	A	H.M.	PAINT	N	8	H.M.	PAINT	16.0		STORAGE	209B
210	N	36"	84"	1 3/4"	C	WD	PAINT	N	10	H.M.	PAINT	20.0		WELLNESS ENTRY	210
210A	N	36"	84"	1 3/4"	C	WD	PAINT	N	10	HM	PAINT	19.0		OFFICE	210A
210B	N	36"	84"	1 3/4"	C2	WD	PAINT	N	10	HM	PAINT	19.0		OFFICE	210B
210C	N	36"	84"	1 3/4"	C	WD	PAINT	N	10	HM	PAINT	22.0		CONF.	210C
210E	N	36"	84"	1 3/4"	C2	WD	PAINT	N	10	HM	PAINT	19.0		OFFICE	210E
210F	N	36"	84"	1 3/4"	C	WD	PAINT	N	10	H.M.	PAINT	19.0		OFFICE	210F
211	N	48"	84"	BY MFR.	-	BY MFR.	BY MFR.	N	-	BY MFR.	BY MFR	25.0	120	ELEVATOR	211
250	N	72"	84"	1 3/4"	F	H.M.	PAINT	N	8	H.M.	PAINT	4.0	120	SWENSON CONNECTOR	250
299C	N	36"	84"	1 3/4"	B	H.M.	PAINT	N	8	H.M.	PAINT	11.0	120	STAIR	299C
300E1	N	48"	84"	BY MFR.	-	BY MFR.	BY MFR.	N	-	BY MFR.	BY MFR	25.0	120	ELEVATOR - BY MFR.	300E1
300E1 A	N	48"	84"	BY MFR.	-	BY MFR.	BY MFR.	N	-	BY MFR.	BY MFR	25.0	120	ELEVATOR - BY MFR.	300E1 A
399C	N	36"	84"	1 3/4"	B	H.M.	PAINT	N	8	H.M.	PAINT	11.0	120	STAIR	399C

ADD #3



GLAZING TYPE LEGEND

MARK	DESCRIPTION
1	1" INSULATED , LOW-E SOLAR BAN 60
2	1" INSULATED, SPANDREL GLASS (MEDIUM COLOR)
3	1" INSULATED, SPANDREL GLASS (MEDIUM DARK COLOR)
4	1/2" FLOAT GLASS
5	1" INSULATED, LAMINATED GLASS (SKYLIGHTS)
6	1" INSULATED (INTERIOR)
7	FLOAT GLASS TEMPERED W/ TWO TONED ACID ETCHED GRAPHIC, ARCHITECT TO PROVIDE DIGITAL FILE FOR SPECIFIC DOORS
8	1/4" ACID ETCHED FLOAT GLASS
9	3/8" GLASS WITH BEVEL EDGE AT SIDES
10	1" INSULATED , LOW-E SOLAR BAN 60 - ACID ETCHED FLOAT GLASS
#T	'T' INDICATES TEMPERED GLASS

NOTE:
WINDOW TYPE QUANTITIES PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE QUANTITIES OF EACH WINDOW TYPE.

D5 DOOR TYPES LEGEND

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

0' 2' 4' 8' 16'

DOOR & FRAME NOTES

1) MATERIAL ABBREVIATIONS:
   SCWD - SOLID CORE WOOD DOOR
   AL - ALUMINUM
   HM - HOLLOW METAL
   PT - PAINTED
   ST - STAINED
   CL - CLEAR ANODIZED
   F - FABRIC

2) ALL HOLLOW METAL DOOR AND WINDOW FRAMES ARE TO HAVE A SINGLE RABBET PROFILE EXCEPT AT DOOR 116A.

3) SEE SPECIFICATION FOR HARDWARE GROUP DEFINITION

4) ALL HOLLOW METAL FRAMES OPENING TO THE EXTERIOR ARE TO BE 14 GAUGE AND GALVANIZED

5) ALL HOLLOW METAL DOORS OPENING TO THE EXTERIOR ARE TO BE 14 GAUGE, INSULATED AND GALVANIZED

6) OVERALL ALUMINUM FRAME DIMENSIONS ARE GIVEN FOR REFERENCE. REFER TO DETAILS FOR JAMB AND SILL CONDITIONS. OVERALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION.

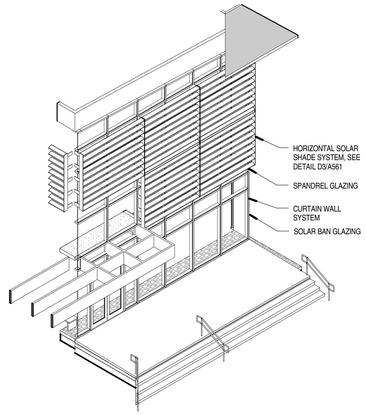
7) PROVIDE TEMPERED GLAZING AS REQUIRED BY IBC 2009.

8) DOOR THRESHOLDS ARE NOT TO BE INSTALLED UNTIL DOOR HAS BEED CLOSED TO CONSTRUCTION ACCESS.

9) WHERE A DOOR IS SHOWN ON THE FLOORS PLANS BUT IS NOT NUMBERED AND/OR DOES NOT APPEAR IN THE DOOR SCHEDULE, THE FOLLOWING DOOR, FRAME AND HARDWARE ARE TO BE BID FOR THIS OPENING: WD DOOR TYPE E, HM FRAME TYPE 1, HARDWARE TYPE 01.

10) CONTRACTOR TO PROVIDE FLOOR STOPS AT LOCATIONS DOOR WILL SWING INTO A GLASS RAIL OR GLASS IN STOREFRONTS.

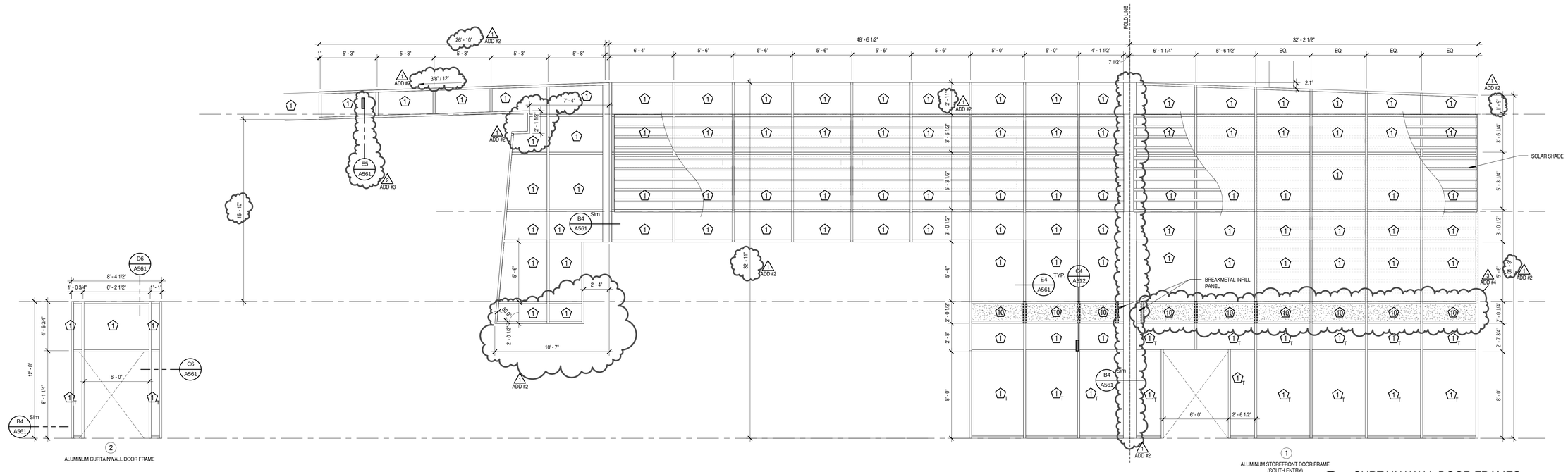
11) EXTERIOR STOREFRONT SYSTEM TO HAVE THERMAL SPRAYED INSULATION APPLIED INSIDE THE FRAME PERIMETER.



C4 SOLAR SHADE AT FRAME TYPE 1

SCALE:

DOOR FRAME TYPE 'I' PLAN



A5 CURTAIN WALL DOOR FRAMES

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

0' 2' 4' 8' 16'

VCBO ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

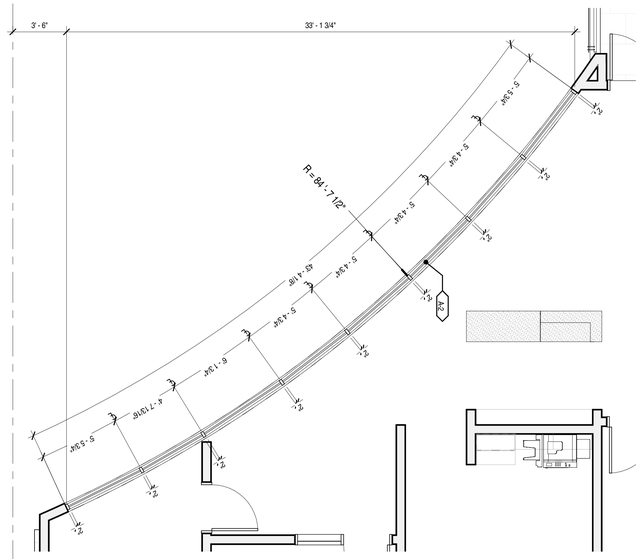
Rev #	Date	Description
1	10.12.2012	ADD #2
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

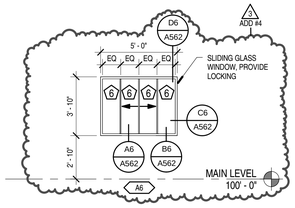
Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

DOOR SCHEDULE

A600

10/24/2012 1:33:32 PM





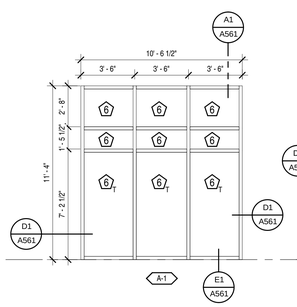
GLAZING TYPE LEGEND

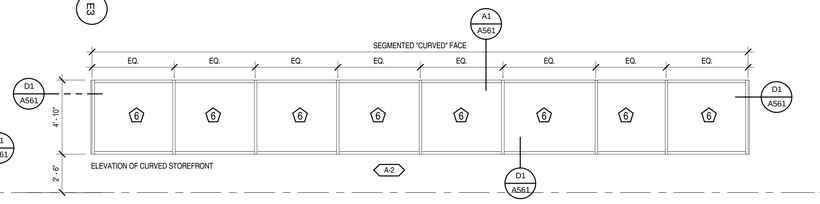
MARK	DESCRIPTION
1	1" INSULATED , LOW-E SOLAR BAN 60
2	1" INSULATED, SPANDREL GLASS (MEDIUM COLOR)
3	1" INSULATED, SPANDREL GLASS (MEDIUM DARK COLOR)
4	1/2" FLOAT GLASS
5	1" INSULATED, LAMINATED GLASS (SKYLIGHTS)
6	1" INSULATED (INTERIOR)
7	FLOAT GLASS TEMPERED W/ TWO TONED ACID ETCHED GRAPHIC, ARCHITECT TO PROVIDE DIGITAL FILE FOR SPECIFIC DOORS
8	1/4" ACID ETCHED FLOAT GLASS
9	3/8" GLASS WITH BEVEL EDGE AT SIDES
10	1" INSULATED , LOW-E SOLAR BAN 60 - ACID ETCHED FLOAT GLASS
#T	'T' INDICATES TEMPERED GLASS

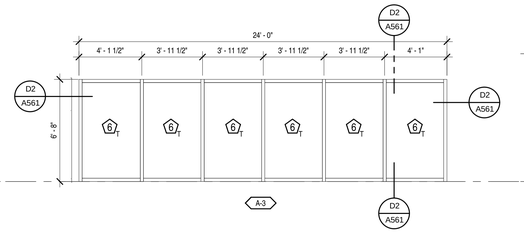
NOTE:
WINDOW TYPE QUANTITIES PROVIDED FOR CONVENIENCE, THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE QUANTITIES OF EACH WINDOW TYPE.

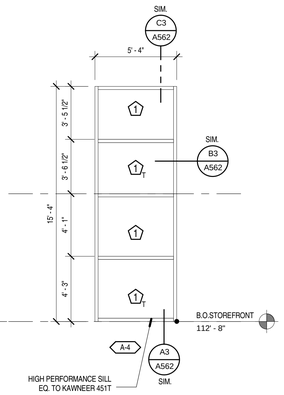
WINDOW TYPE LEGEND

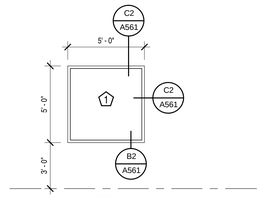
FRAME
A - ALUMINUM STOREFRONT
B - BUTT GLAZED FRAMELESS (INTERIOR)
C - CURTAIN WALL
H - HOLLOW METAL
W - WOOD



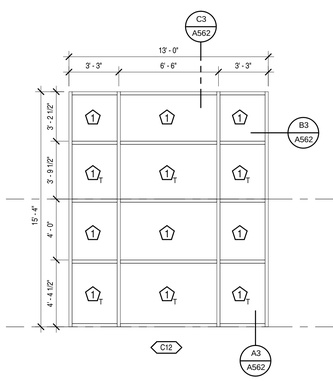


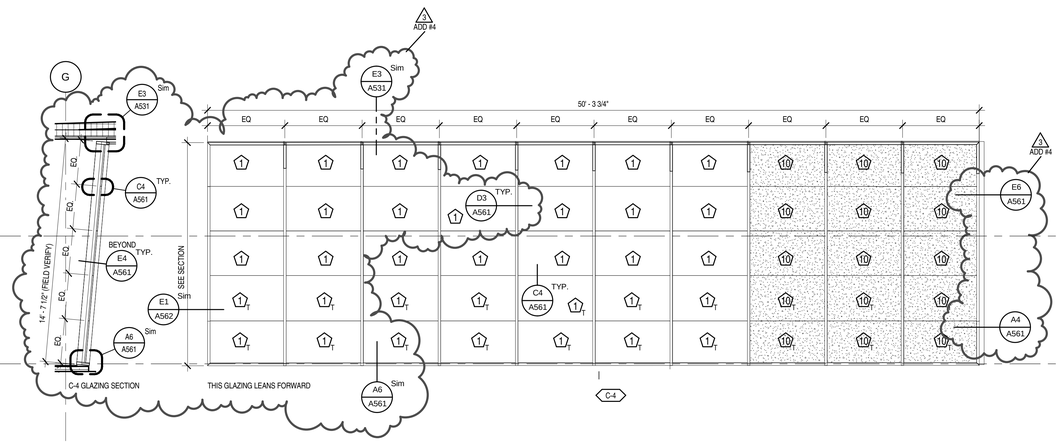


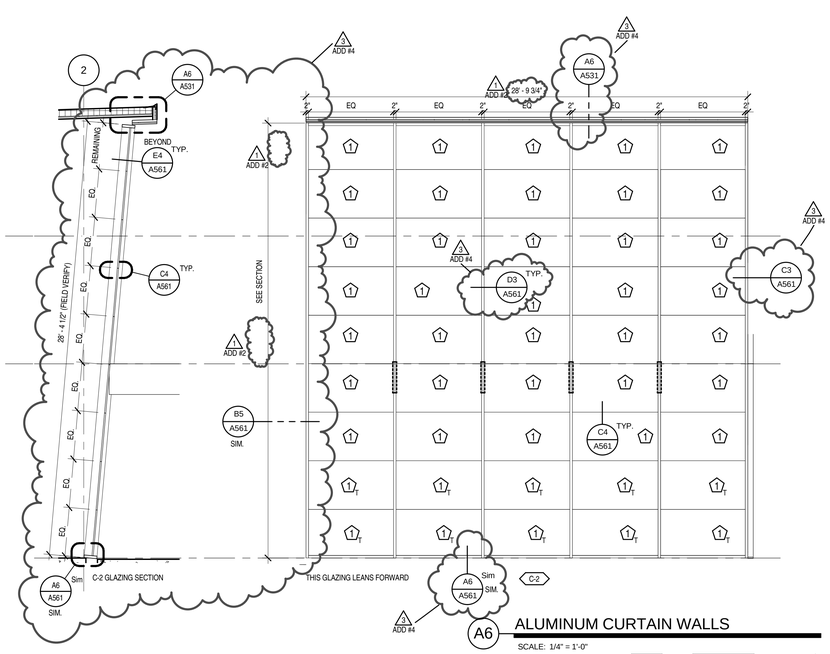




C6 EXTERIOR/INTERIOR ALUMINUM STOREFRONT
SCALE: 1/4" = 1'-0"
0' 2' 4' 8' 16'







A6 ALUMINUM CURTAIN WALLS
SCALE: 1/4" = 1'-0"
0' 2' 4' 8' 16'

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
1	10.12.2012	ADD #2
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

WINDOW TYPES

A610

10/24/2012 1:33:41 PM

GLAZING TYPE LEGEND

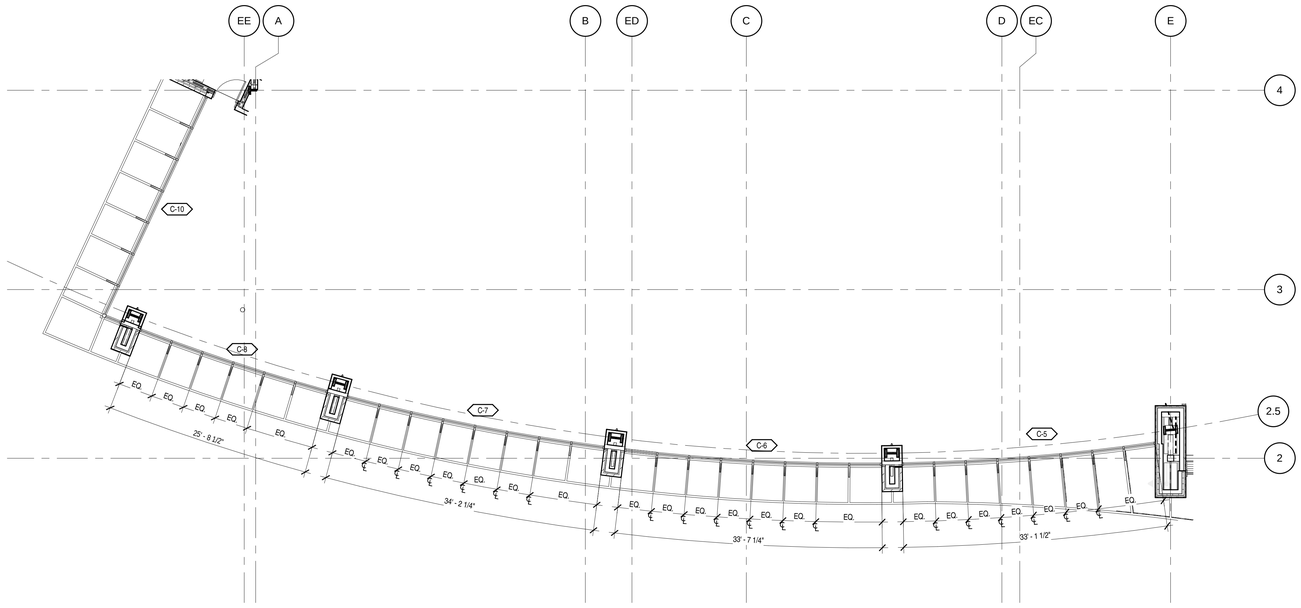
MARK	DESCRIPTION
1	1" INSULATED , LOW-E SOLAR BAN 60
2	1" INSULATED, SPANDREL GLASS (MEDIUM COLOR)
3	1" INSULATED, SPANDREL GLASS (MEDIUM DARK COLOR)
4	1/2" FLOAT GLASS
5	1" INSULATED, LAMINATED GLASS (SKYLIGHTS)
6	1" INSULATED (INTERIOR)
7	FLOAT GLASS TEMPERED W/ TWO TONED ACID ETCHED GRAPHIC, ARCHITECT TO PROVIDE DIGITAL FILE FOR SPECIFIC DOORS
8	1/4" ACID ETCHED FLOAT GLASS
9	3/8" GLASS WITH BEVEL EDGE AT SIDES
10	1" INSULATED , LOW-E SOLAR BAN 60 - ACID ETCHED FLOAT GLASS
8 T	'T' INDICATES TEMPERED GLASS

NOTE:
WINDOW TYPE QUANTITIES PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE QUANTITIES OF EACH WINDOW TYPE.

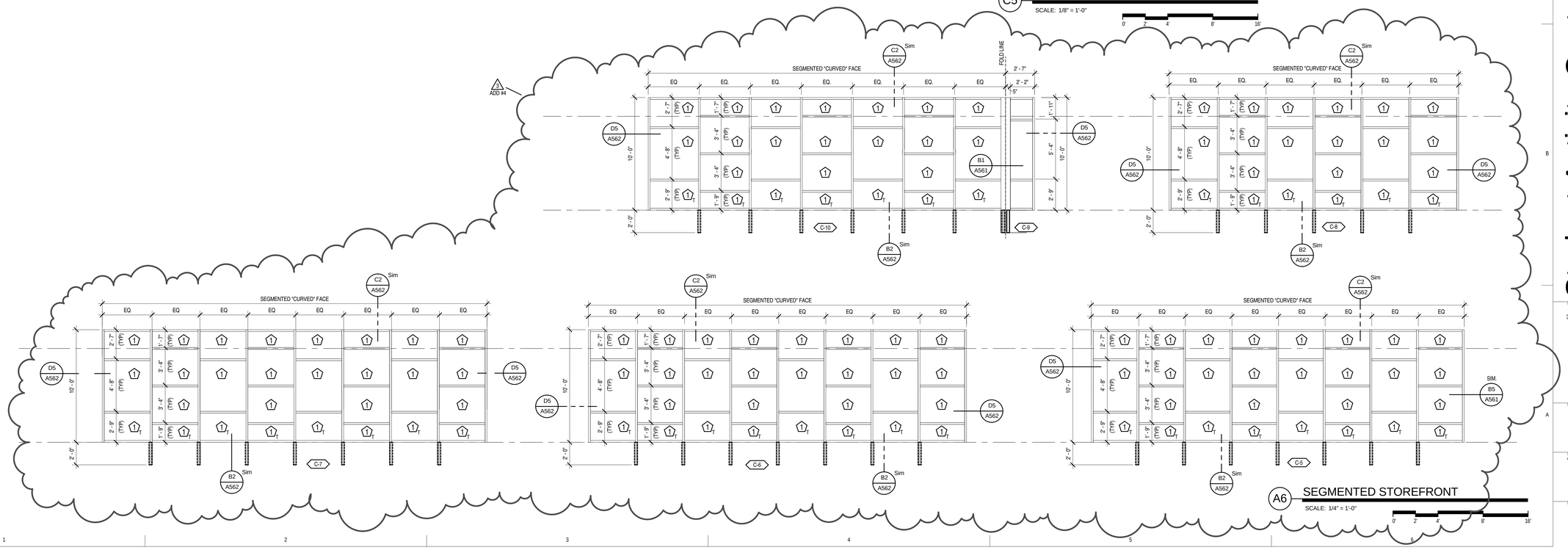
WINDOW TYPE LEGEND

FRAME

A - ALUMINUM STOREFRONT
B - BUTT GLAZED FRAMELESS (INTERIOR)
C - CURTAIN WALL
H - HOLLOW METAL
W - WOOD



C5 SEGMENTED STOREFRONT
SCALE: 1/8" = 1'-0"



A6 SEGMENTED STOREFRONT
SCALE: 1/4" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

WINDOW TYPES

A611

10/24/2012 1:33:50 PM

SIGNAGE SCHEDULE							
Level	Sign ID Number	VCBO Room Number	Sign Type	Sign Text	Description	Comments	Font Size
MAIN LEVEL	1.101	100A	B	(TEXT AS DIRECTED BY ARCHITECT)	WALL MOUNT	BUILDING DEDICATION PLAQUE	Varies - As directed by Architect
MAIN LEVEL	1.103	102	A	(GRAPHIC)	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MAIN LEVEL	1.104	101	D	CAMPUS RECREATION	WALL MOUNT	BUILDING DEDICATION PLAQUE	8"
MAIN LEVEL	1.105	103	A	ARENA	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MAIN LEVEL	X.XXX	TBD	A	12 CHARACTER	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MAIN LEVEL	X.XXX	TBD	A	12 CHARACTER	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	2.106	202	A	STUDIO A	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	2.107	213	A	SWENSON BUILDING ACROSS BRIDGE	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	2.108	100A	D	STROMBERG STUDENT ACTIVITY CENTER	WALL MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	2.109	200	A	TRACK UPSTAIRS	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	2.210	203	A	STUDIO B	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	2.211	200D	A	STRETCH	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	2.212	206	A	MEN'S	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	2.214	207	A	WOMEN'S	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	X.XXX	TBD	A	12 CHARACTER	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	X.XXX	TBD	A	12 CHARACTER	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
MEZZANINE & BRIDGE	X.XXX	TBD	A	12 CHARACTER	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
LEVEL 03 NEW TRACK	3.101	300A	A	TRACK	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"
LEVEL 03 NEW TRACK	X.XXX	TBD	A	12 CHARACTER	SURFACE MOUNT	DIGITAL FILE TO BE PROVIDED BY ARCHITECT	8"

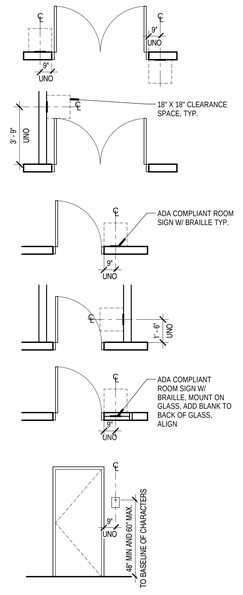
3
ADD #4

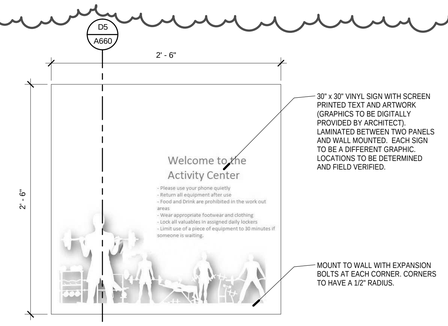
GENERAL SIGNAGE NOTES

1. ALL SIGNS TO MEET CHAPTER 7 OF ANSI 117.1:2003 AND INCLUDE GRADE 2 BRAILLE. FINISH AND CONTRAST; CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WIHT EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND
2. ALL SANITARY FACILITIES MUST BE IDENTIFIED, INCLUDE INTERNATIONAL SYMBOL OF ACCESSIBILITY, PICTOGRAMS AND BRAILLE.
3. ALL ASSEMBLY OCCUPANCIES TO HAVE OCCUPANT LOAD POSTED NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY.
4. PROVIDE CODE REQUIRED SIGNAGE AT STAIRS: TACTILE SIGN WITH "EXIT" OUTSIDE STAIR DOORS ON UPPER FLOORS. INSIDE STAIR SIGN TO INDICATE STAIR NUMBER, EXIT LEVEL AND LEVEL ON.
5. PROVIDE CODE REQUIRED SIGNAGE AT ALL ELEVATOR DOORS.

TYPICAL SIGNAGE LOCATIONS

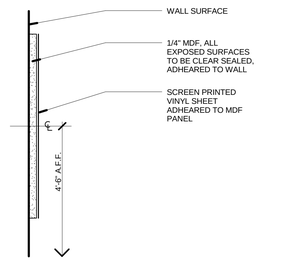
1. SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES
2. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF SIDE.
3. TYPICAL SIGN HEIGHT TO BE 48" MIN AND 60" MAX TO BASELINE OF CHARACTERS. ARCHITECT TO FIELD VERIFY SIGN LOCATIONS WHEN CONFLICTS WITH DEVICES ARISE





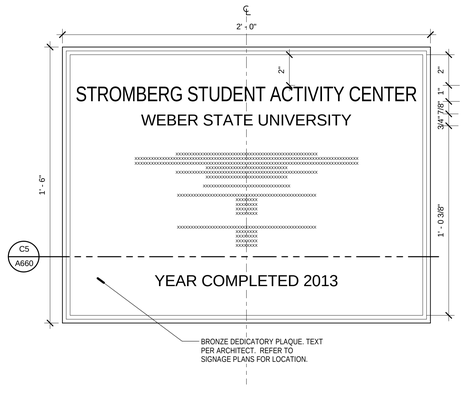
D4 SIGN TYPE A

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



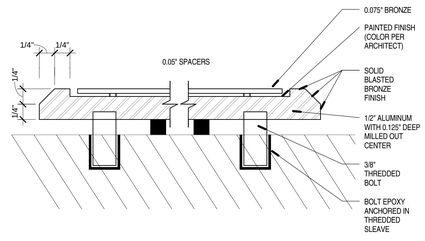
D5 VINYL SIGN TYPE A - SECTION

SCALE: 6" = 1'-0"



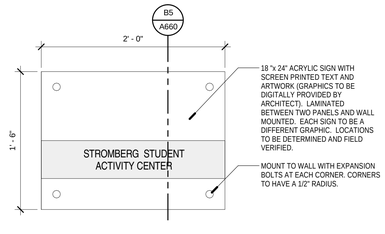
C4 SIGN TYPE B

SCALE: 3" = 1'-0"



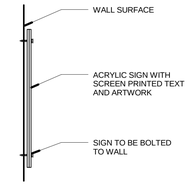
C5 INTERIOR SIGN SECTION

SCALE: 12" = 1'-0"



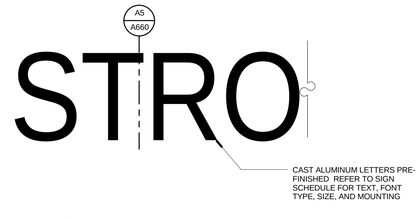
B4 SIGN TYPE C

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



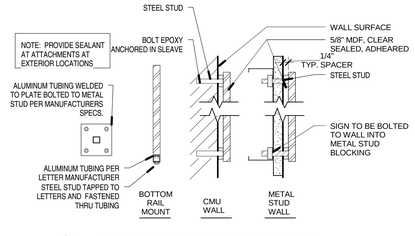
B5 WALL SIGN SECTION

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



A4 SIGN TYPE D

SCALE: 1" = 1'-0"



A5 CAST LETTER MOUNT DETAIL

SCALE: 3" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

LICENSED ARCHITECT
No. 153942
BRENT R. TIPPETS
10-2-12
STATE OF UTAH

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

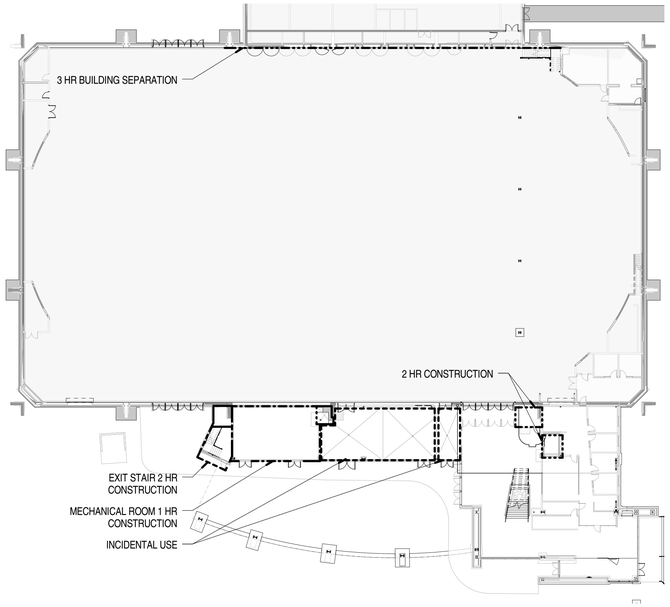
Rev #	Date	Description
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

SIGNAGE

A660

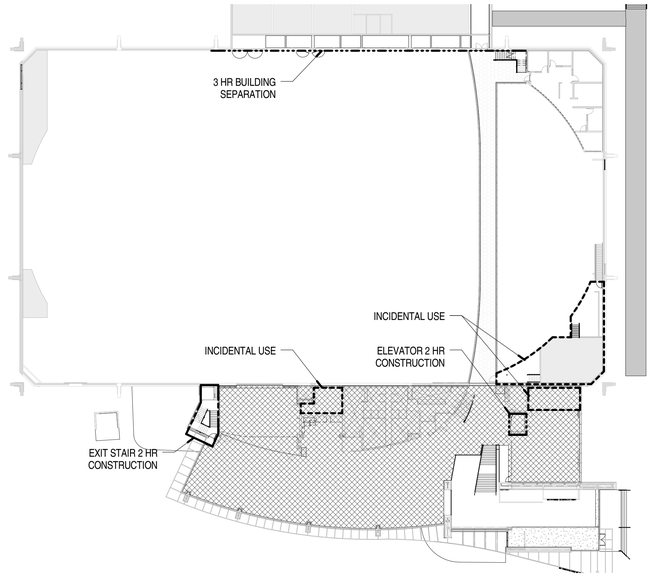
10/24/2012 1:33:55 PM



C1 LEVEL 01 - FIRE SEPARATION

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'



C4 LEVEL 02 - FIRE SEPARATION

SCALE: 1/32" = 1'-0"

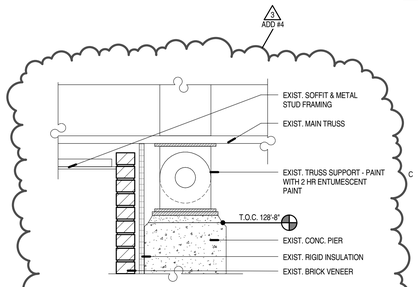
0' 15' 30' 60' 90'

FIRE RATING KEY

- INCIDENTAL USE
- 1 HR CONSTRUCTION
- 2 HR CONSTRUCTION
- 3 HR CONSTRUCTION

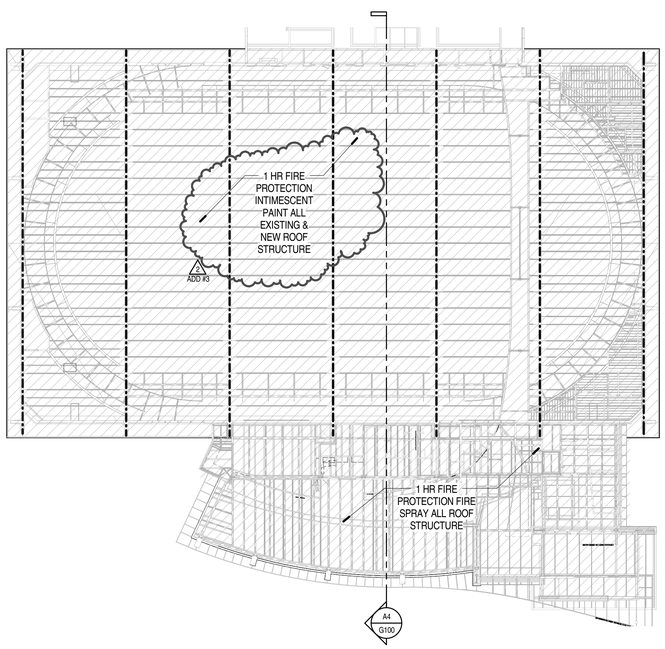
NOTE:
REQUIRED FIRE-RESISTIVE ASSEMBLIES WILL BE ACCOMPLISHED AS FOLLOWS AND PER THE FOLLOWING UL, RATED ASSEMBLIES CALLED OUT ON SHEETS G100, G101, G102, G103, G200, G201 AND THE WALL TYPES SHEET A500 AND A501:

- STRUCTURAL STEEL COLUMNS 2 HOUR SPRAY APPLIED FIREPROOFING PER X771 AND X772
- ALL ATTACHMENTS TO THE COLUMNS AND BEAMS ARE TO BE APPLIED PRIOR TO THE SPRAY APPLIED FIREPROOFING AND TO BE PROTECTED IN PLACE.



C6 EXISTING PIER DETAIL

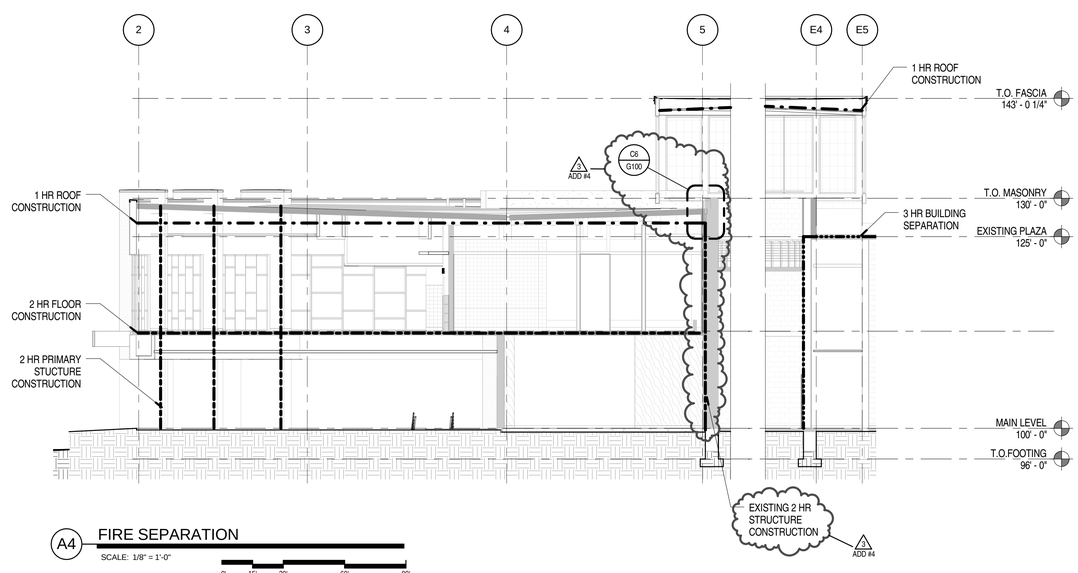
SCALE: 1" = 1'-0"



A1 FIRE RATED PLAN - RCP LEVEL 03

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'



A4 FIRE SEPARATION

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

0' 15' 30' 60' 90'

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10.19.2012	ADD #3
3	10.31.2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

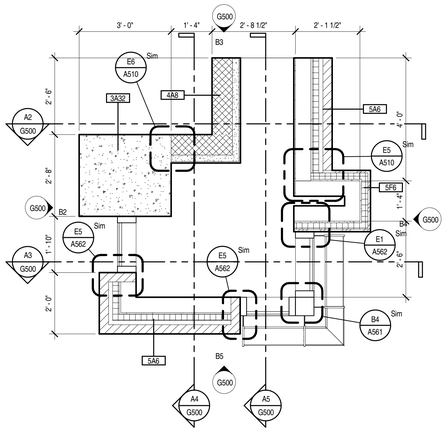
FIRE SEPARATION PLANS

G100

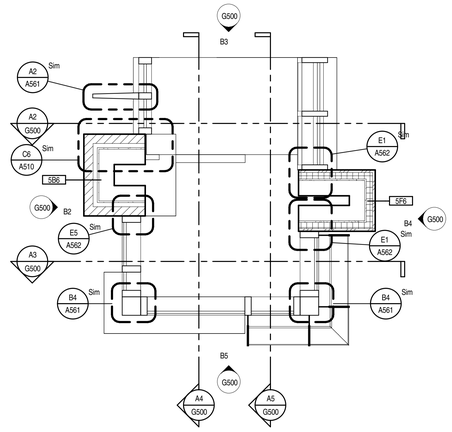
10/24/2012 1:34:17 PM

KEYED NOTES

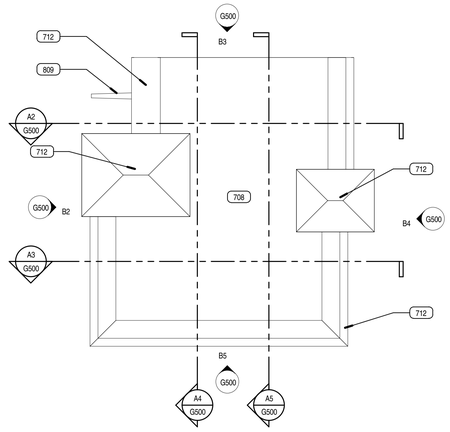
313 REINFORCED ARCHITECTURAL CONCRETE
402 8"X8"X16" HONED CMU
406 BRICK VENEER SYSTEM
708 R-30 ROOF RIGID INSULATION BOARD SYSTEM
712 PRE-FINISHED CONT. METAL CAP & CLEAT OVER
718 PREFINISHED EXTERIOR COMPOSITE METAL PANEL SYSTEM
726 COMPOSITE METAL PANEL REVEAL, SEE A5 & B5 / A511
807 CURTAINWALL SYSTEM
808 STOREFRONT SYSTEM
809 SOLAR SHADE
923 METAL CEILING SYSTEM



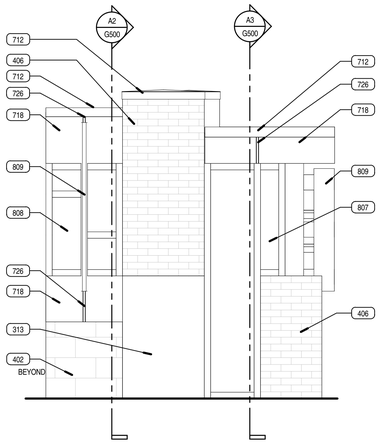
D2 MOCKUP FLOOR PLAN
SCALE: 1/2" = 1'-0"



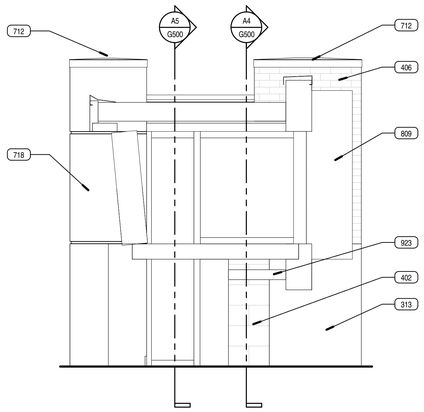
D3 MOCKUP UPPER FLOOR PLAN
SCALE: 1/2" = 1'-0"



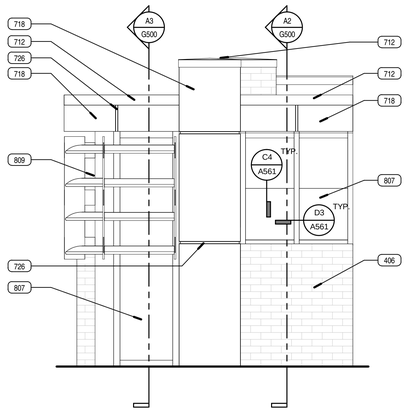
D5 MOCKUP ROOF PLAN
SCALE: 1/2" = 1'-0"



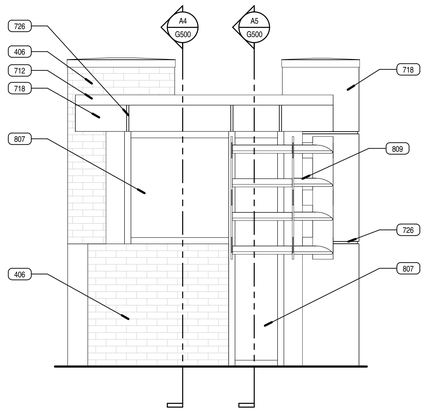
B2 MOCK UP NORTH ELEVATION
SCALE: 1/2" = 1'-0"



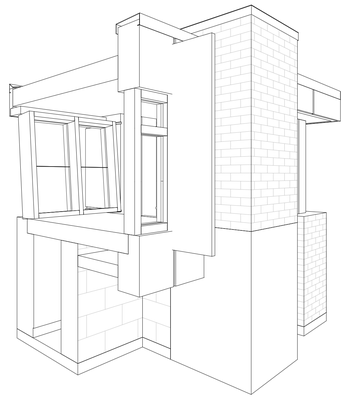
B3 MOCK UP EAST ELEVATION
SCALE: 1/2" = 1'-0"



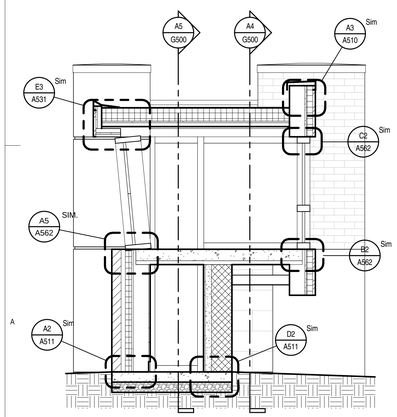
B4 MOCK UP SOUTH ELEVATION
SCALE: 1/2" = 1'-0"



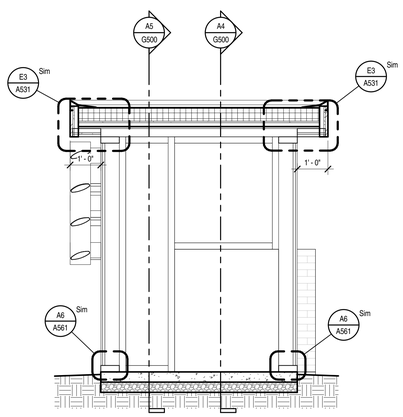
B5 MOCK UP WEST ELEVATION
SCALE: 1/2" = 1'-0"



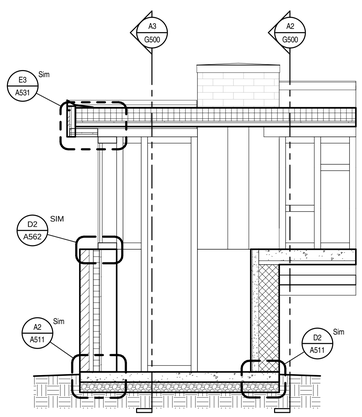
B6 MOCKUP NORTHEAST
SCALE:



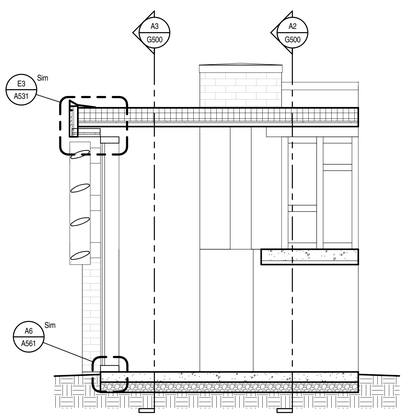
A2 MOCKUP SECTION N/S
SCALE: 1/2" = 1'-0"



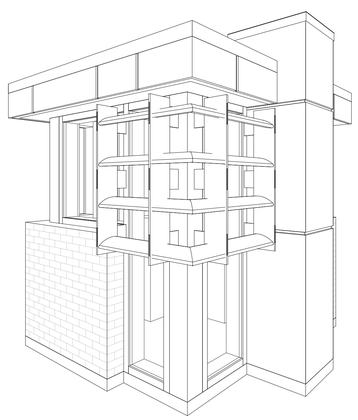
A3 MOCKUP SECTION N/S 2
SCALE: 1/2" = 1'-0"



A4 MOCKUP SECTION E/W
SCALE: 1/2" = 1'-0"



A5 MOCKUP SECTION E/W 2
SCALE: 1/2" = 1'-0"



A6 MOCKUP SOUTHWEST
SCALE:

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

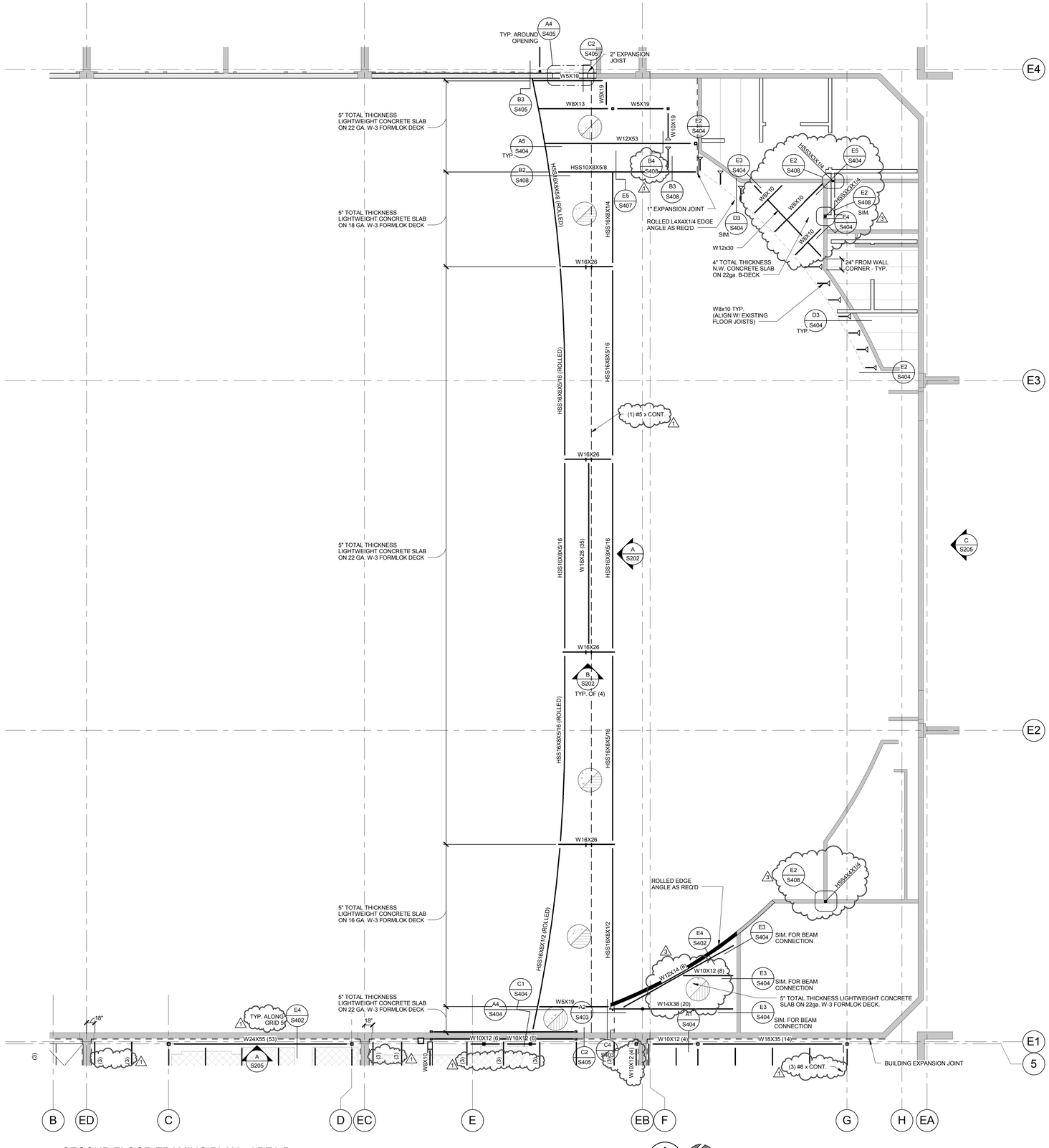
Rev #	Date	Description
1	10.12.2012	ADD #2

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

MOCK UP

ADD #2 G500

10/24/2012 1:34:19 PM

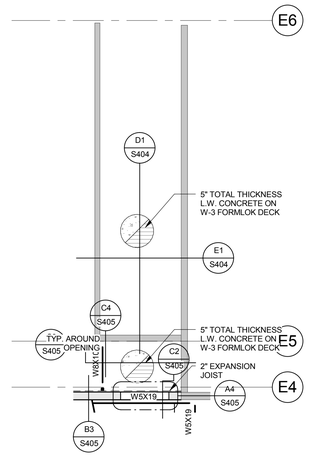


SECOND FLOOR FRAMING PLAN - AREA B

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

A S122

NORTH



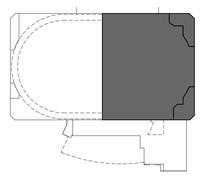
SECOND FLOOR FRAMING PLAN

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

B S122

NOTE:
SEE SHEET S123 FOR FLOOR FRAMING NOTES.

KEY PLAN



VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
1594 W. Pierr Dr. Ogden, Utah 84404
ph: 801.782.6008 fl. 801-782-6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

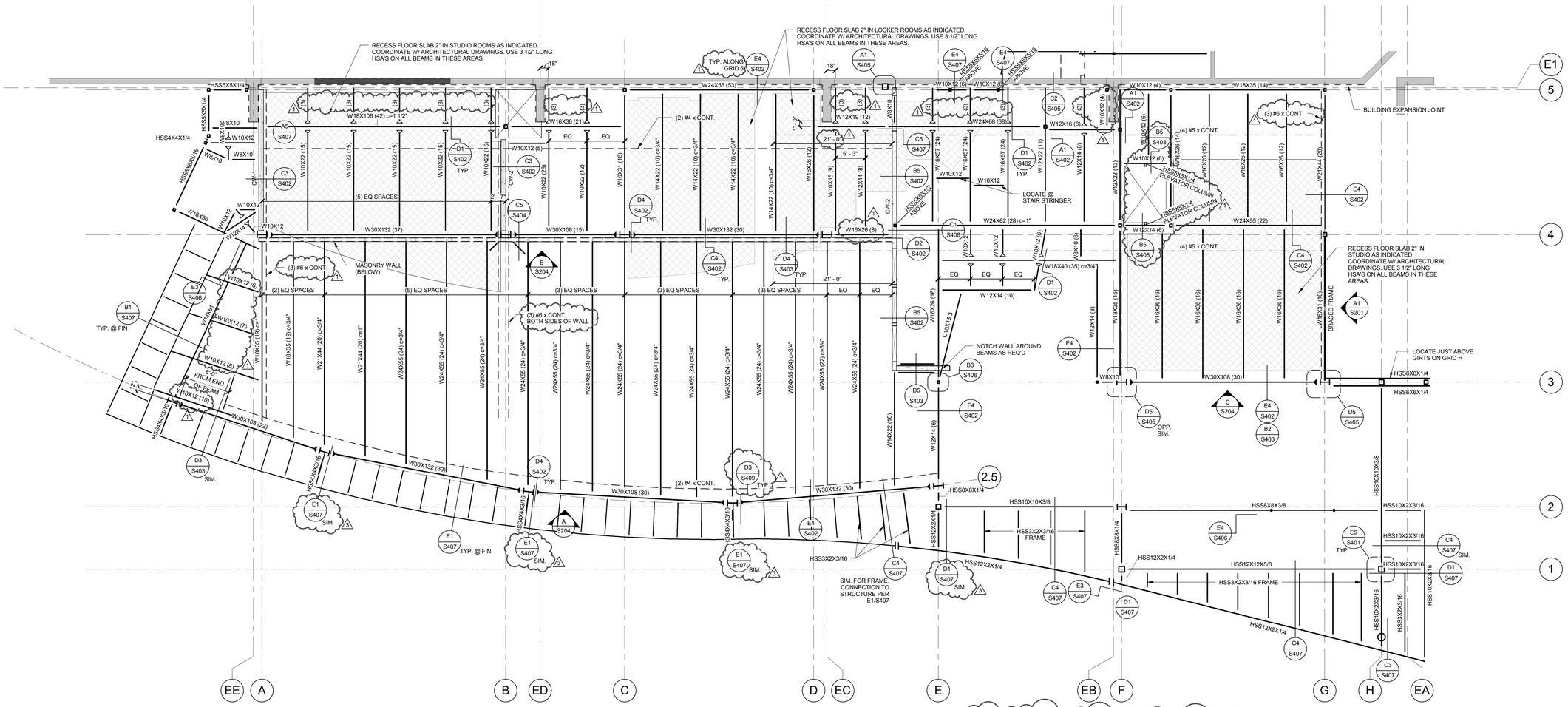
AREA B SECOND FLOOR FRAMING PLAN

S122

10/24/2012 1:06:26 PM

EXPANSION JOINT SIZE REQUIREMENTS		
LEVEL	CLEAR DIMENSION EAST - WEST	CLEAR DIMENSION NORTH - SOUTH
SECOND FLOOR	2"	2"
MEZZANINE	4 1/2"	3"
ROOF	7"	3"

NOTES:
1. TABULATED VALUES REPRESENT MINIMUM CLEAR DISTANCE BETWEEN NEW CONSTRUCTION AND EXISTING STRUCTURE.
2. COORDINATE ACTUAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.



SECOND FLOOR FRAMING PLAN - AREA C

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

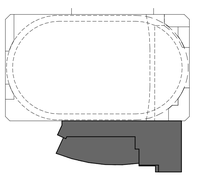
A S123

NORTH

FLOOR FRAMING NOTES:

1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
2. ADDITION CONCRETE FLOOR SLABS TO BE 6-1/2" THICK ON 20 GAUGE "W2" FORMLOK UNVENTED DECK REINFORCED WITH FIBERMESH (U.N.O.). SLAB THICKNESS IS TOTAL FROM BOTTOM OF DECK TO TOP OF CONCRETE.
3. RUNNING TRACK SLAB TO BE 5" THICK LIGHT-WEIGHT CONCRETE ON 20 GA. "W3" FORMLOK VENTED DECK REINFORCED WITH FIBERMESH U.N.O.
4. BRIDGE SLAB TO BE 5" THICK LIGHT-WEIGHT CONCRETE ON 22 GA. "W3" FORMLOK VENTED DECK REINFORCED WITH FIBERMESH U.N.O.
5. ( ) DENOTES NUMBER OF 3/4" DIAMETER X 4-1/2" LONG HSA ALONG BEAM TOP FLANGE.
6. C=< > DENOTES AMOUNT OF CAMBER IN W BEAM AT MIDSPAN.
7. PROVIDE TYPICAL SLAB CLOSURE AT ALL OPENINGS AND SLAB EDGES AS PER DETAIL S402. TYPICAL UNLESS NOTED OTHERWISE.
8. SEE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATIONS.
9. WHERE STEEL FLOOR DECK RUNS PERPENDICULAR TO BEAMS WITH HSA, HSA SHALL BE FIELD WELDED TO BEAMS THRU DECK MATERIAL.
10. 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.
11. DO NOT PROVIDE CONTROL JOINTS IN SUSPENDED CONCRETE SLABS EXCEPT WHERE SPECIFICALLY CALLED OUT.
12. CONSTRUCTION JOINTS IN SLABS ON DECK SHALL NOT BE CLOSER THAN 12" TO HSA.
13. 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.
14. ALL MOMENT CONNECTED CANTILEVERS SHALL BE THE SAME SIZE AS THE BACK SPAN, U.N.O.

KEY PLAN



VCBO ARCHITECTURE
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
www: www.vcbo.com

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy J. Achter
No. 353467
10.2.12
STATE OF UTAH

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
1594 W. Pierpont Dr. Ogden, Utah 84404
ph: 801.782.8008 fx: 801.782.4656

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

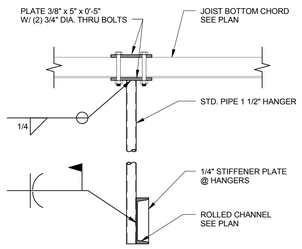
Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

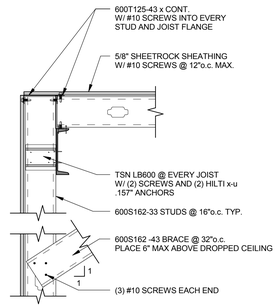
AREA C SECOND FLOOR FRAMING PLAN

S123

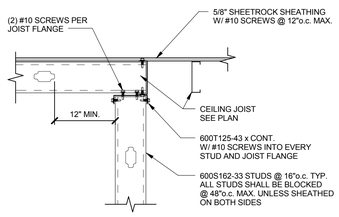
10/24/2012 1:06:32 PM



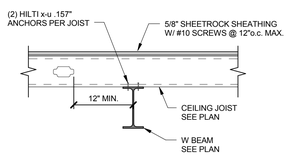
DETAIL C1/S132.1
SCALE : NONE



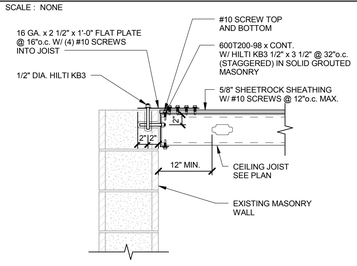
DETAIL C2/S132.1
SCALE : NONE



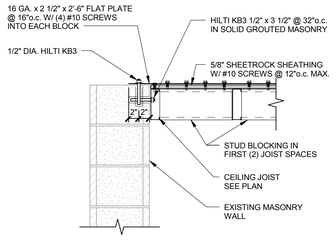
DETAIL B1/S132.1
SCALE : NONE



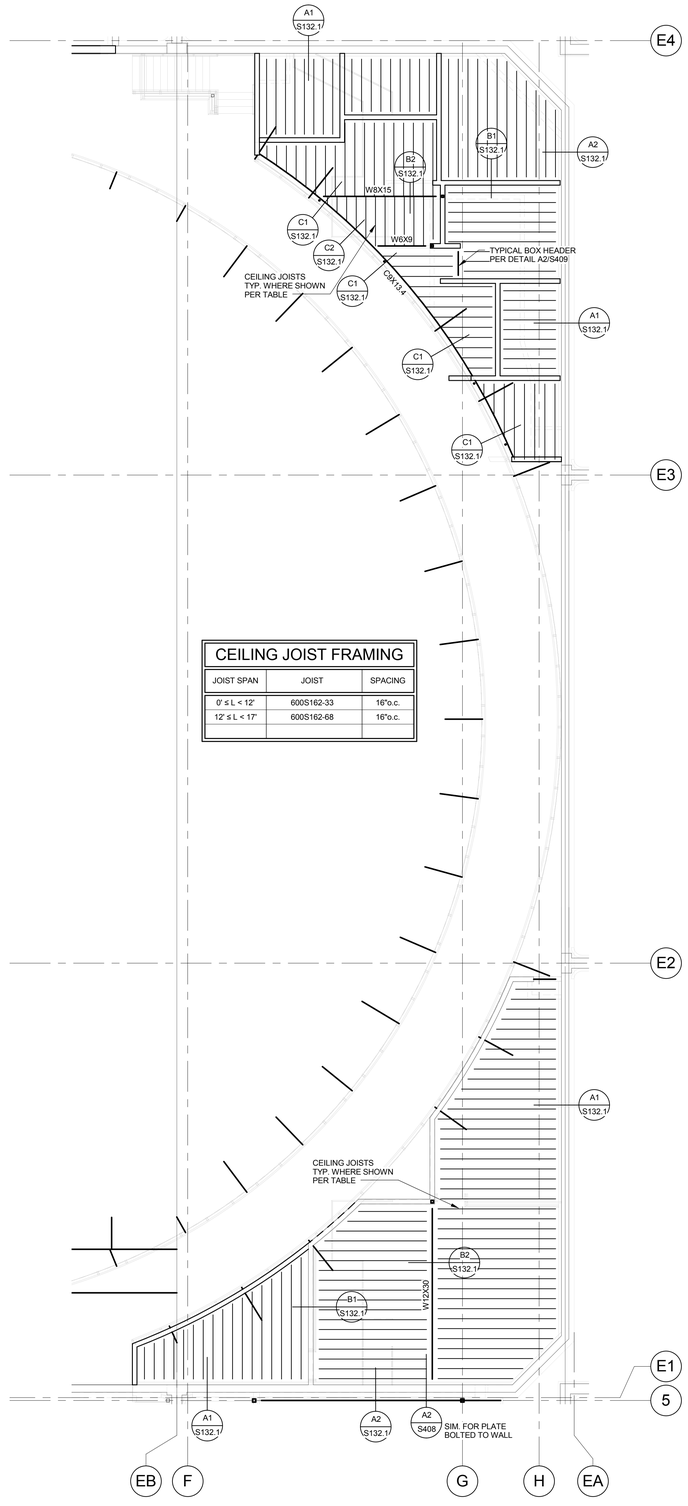
DETAIL B2/S132.1
SCALE : NONE



DETAIL A1/S132.1
SCALE : NONE



DETAIL A2/S132.1
SCALE : NONE



CEILING JOIST FRAMING

JOIST SPAN	JOIST	SPACING
0' ≤ L < 12'	600S162-33	16"o.c.
12' ≤ L < 17'	600S162-68	16"o.c.

MEZZANINE CEILING FRAMING PLAN A/S132.1
SCALE : 1/8" = 1'-0"

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
1594 W. Pierpont Dr. Ogden, Utah 84404
ph: 801.782.6008 fx: 801-782-4656

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

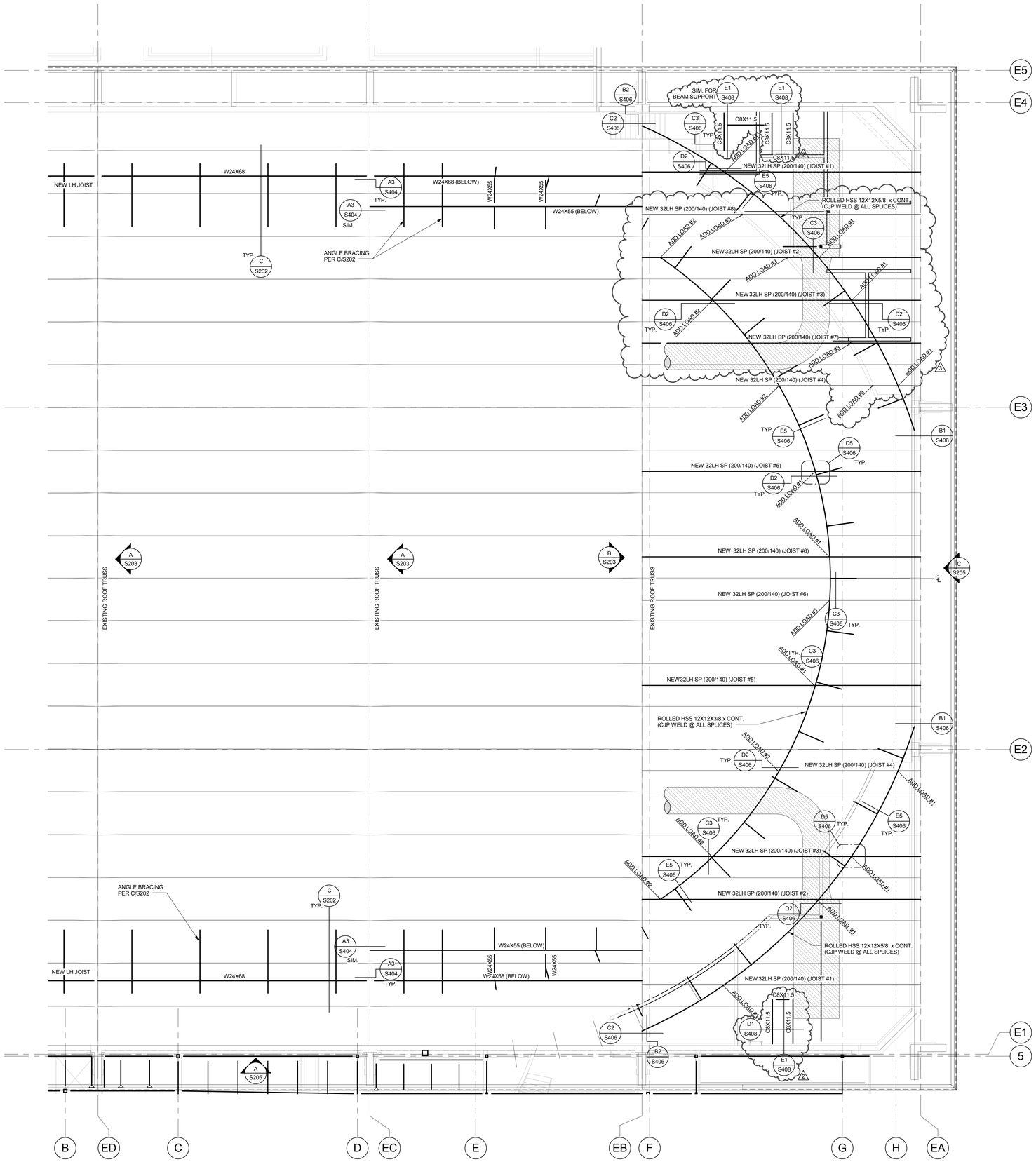
Rev #	Date	Description
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn Author Checked Checker
Date 10.03.2012
Owner # DFCM #12031810

MEZZ. CEILING
FRAMING PLAN

3
S132.1

10/24/2012 1:06:36 PM



ROOF FRAMING PLAN - AREA B

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

A S142

NORTH

NEW TRACK SUPPORT JOIST LOAD CHART

JOIST #	UNIFORM LOAD (TOTAL LOAD/SNOW LOAD)	ADD LOAD #1		ADD LOAD #2		ADD LOAD #3	
		D.L.	L.L.	D.L.	L.L.	D.L.	L.L.
1	200/140	9.2K	9.2K	N/A	N/A		
2	200/140	4.0K	4.0K	4.75K	4.75K	4.0K	2.1K
3	200/140	7.0K	7.0K	7.0K	7.0K	~1.0K	~1.0K
4	200/140	3.5K	3.5K	6.0K	6.0K	N/A	N/A
5	200/140	7.5K	7.5K	N/A	N/A	N/A	N/A
6	200/140	4.6K	4.6K	N/A	N/A	N/A	N/A
7	200/140	N/A	N/A	N/A	N/A	4.0K	2.1K
8	200/140	N/A	N/A	N/A	N/A	4.0K	2.0K

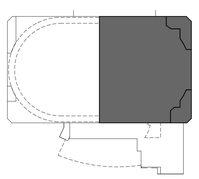
NOTES:

1. COORDINATE LOCATION OF ADD LOADS #1 AND #2 WITH CONTRACTOR BASED ON ACTUAL FIELD CONDITIONS.
2. COORDINATE JOIST CAMBERS WITH EXISTING JOIST CAMBERS TO PROVIDE COMMON DECK BEARING ELEVATION.
3. REMOVE AND REPLACE EXISTING BRIDGING AND ADD NEW BRIDGING AS REQ'D FOR NEW JOISTS. BRIDGING DESIGN TO BE PROVIDED BY JOIST DESIGNER.
4. EXISTING ROOF DECK BETWEEN GRIDS EA AND EB AND BETWEEN EF AND EG SHALL BE REMOVED TO FACILITATE JOIST INSTALLATION.
5. NEW ROOF DECK SHALL BE PLACED BETWEEN GRIDS EA AND EB AND BETWEEN EF AND EG PER THE ROOF DECK SCHEDULE ON SHEET S002.
6. ALL EXISTING ROOF DECK BETWEEN GRIDS EB AND EF SHALL REMAIN IN-PLACE AND UNALTERED.

SEE SHEET S142.1 FOR ROOF UPGRADE REQUIREMENTS

3

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy L. Achter
No. 353467
10-2-12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
1594 W. Pierpont Dr. Ogden, Utah 84404
ph: 801.782.8008 fl. 801-782-4656

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10/19/2012	ADD #3
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

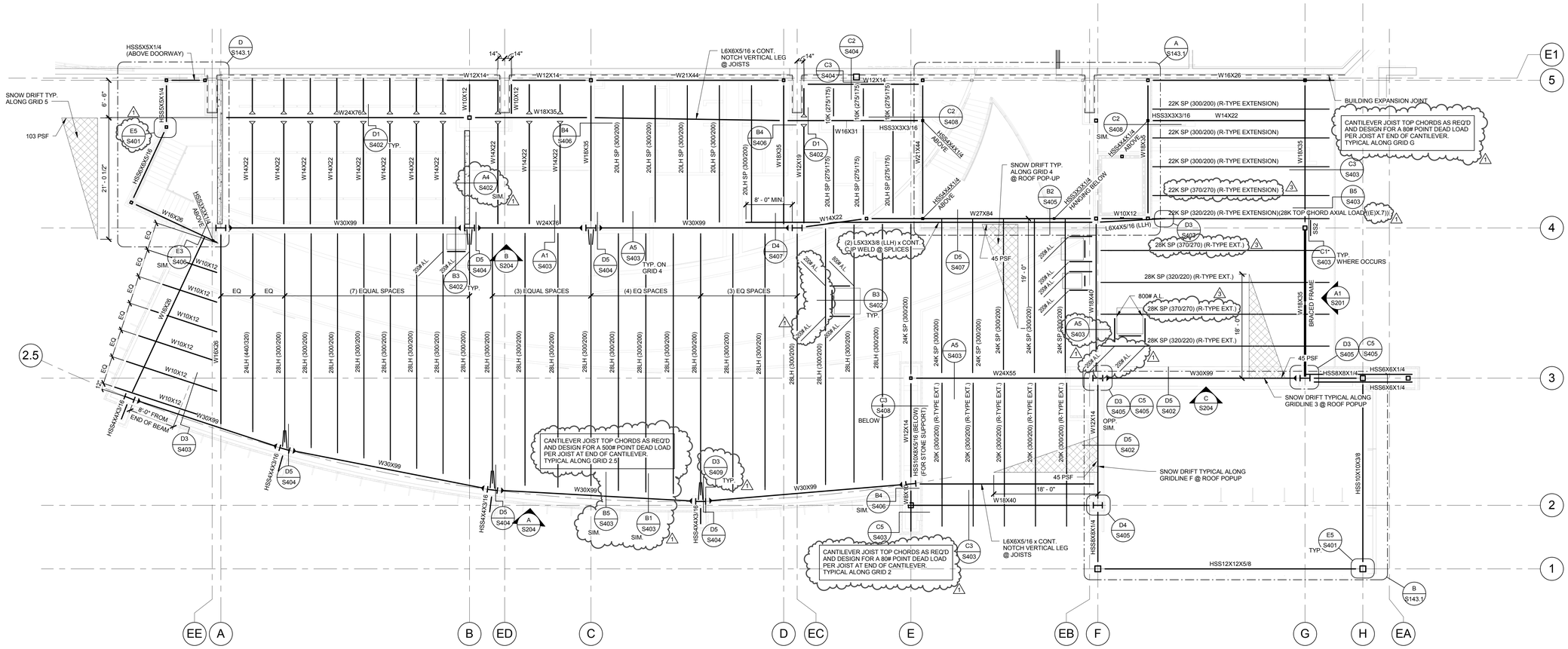
AREA B EXISTING ROOF TRACK SUPPORT PLAN

S142

10/24/2012 1:06:37 PM

EXPANSION JOINT SIZE REQUIREMENTS		
LEVEL	CLEAR DIMENSION EAST - WEST	CLEAR DIMENSION NORTH - SOUTH
SECOND FLOOR	2"	2"
MEZZANINE	4 1/2"	3"
ROOF	7"	3"

NOTES:
1. TABULATED VALUES REPRESENT MINIMUM CLEAR DISTANCE BETWEEN NEW CONSTRUCTION AND EXISTING STRUCTURE.
2. COORDINATE ACTUAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.



ROOF FRAMING PLAN - AREA C

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

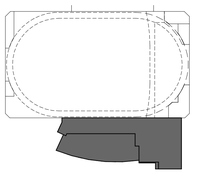
A S143

NORTH

ROOF FRAMING NOTES

1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
2. GENERAL CONTRACTOR SHALL VERIFY MECHANICAL EQUIPMENT WEIGHTS, DIMENSIONS, AND LOCATIONS W/ MECHANICAL AND REFRIGERATION CONTRACTORS PRIOR TO ORDERING/FABRICATING JOISTS.
3. (### / ###) DENOTES APPLIED TOTAL AND LIVE UNIFORMLY DISTRIBUTED LOADS IN POUNDS PER LINEAR FOOT OF JOIST, RESPECTIVELY.
4. JOISTS SUPPORTING MECHANICAL EQUIPMENT SHALL BE DESIGNED FOR ADDITIONAL LOADS INDICATED.
5. SNOW DRIFT LOADS INDICATED ON FRAMING PLANS SHALL BE APPLIED IN ADDITION TO UNIFORMLY DISTRIBUTED LOADS INDICATED PER NOTE 3.
6. PROVIDE ADDED HORIZONTAL AND VERTICAL JOISTS LOADS WHERE INDICATED ON PLAN OR DETAILS.
7. JOISTS AND GIRDERS SHALL BE DESIGNED FOR 22 PSF NET WIND UPLIFT.
8. SEE ROOF DECK SCHEDULE FOR REQUIRED DECK AND ATTACHMENTS.
9. SEE SHEET S402 FOR OPENINGS IN ROOF DECK. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
10. CONTRACTOR SHALL ERECT AND MAINTAIN ADEQUATE TEMPORARY BRACING UNTIL ALL ROOF FRAMING AND DECK ATTACHMENTS ARE COMPLETE.
11. CONCENTRATED LOADS FROM EQUIPMENT, PIPING, ETC., SHALL NOT BE HUNG FROM JOISTS EXCEPT AT PANEL POINTS AND AS APPROVED BY THE ENGINEER.
12. JOIST BRIDGING DESIGN AND LOCATION BY JOIST MANUFACTURER.
13. ANY CONCENTRATED LOAD ON JOIST CHORDS (INCLUDING FRAMING ANGLES) NOT LOCATED WITHIN 6" OF A PANEL POINT REQUIRE (2) L 2" X 2" X 1/4" FROM THE POINT LOAD TO THE NEAREST OPPOSITE CHORD PANEL POINT (CONTRACTOR SUPPLIED AND INSTALLED).
14. ANY ROOF SUPPORTED PIPING 6" OR LARGER RUNNING PARALLEL TO JOIST SHALL BE SUPPORTED BY TWO OR MORE JOISTS.
15. USE OF STRAIGHT AND DIAGONAL BRIDGING SHALL BE COORDINATED WITH THE MECHANICAL DRAWINGS AS DUCTWORK MAY OCCUPY BETWEEN JOISTS.
16. ALL MOMENT CONNECTED CANTILEVERS SHALL BE THE SAME SIZE AS THE BACK SPAN U.N.O.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
15994 W. Park Dr. Ogden, Utah 84404
ph: 801.782.8008 fl: 801.782.4656

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

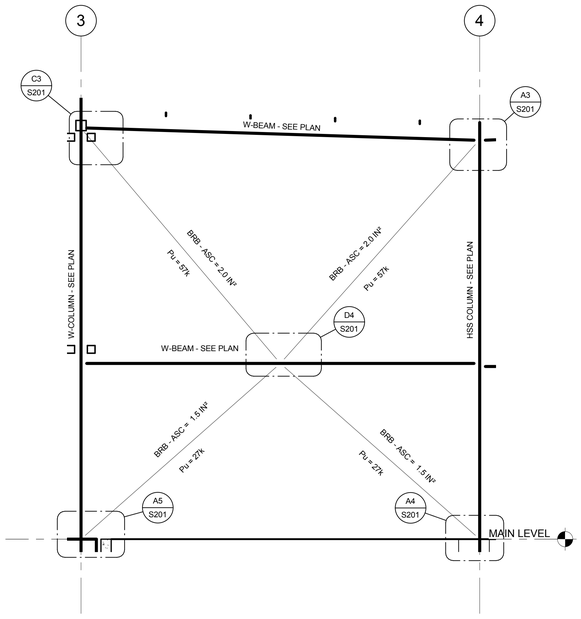
AREA C LOW ROOF FRAMING PLAN

S143

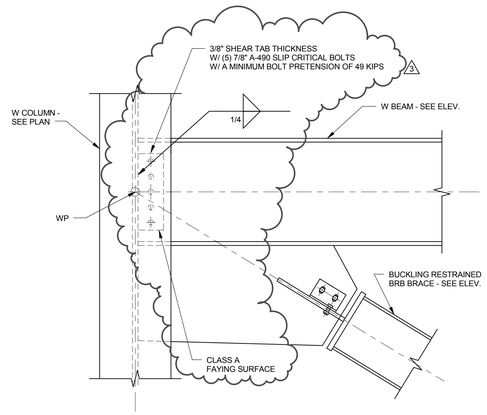
10/24/2012 1:06:39 PM

BUCKLING RESTRAINED BRACED FRAME NOTES

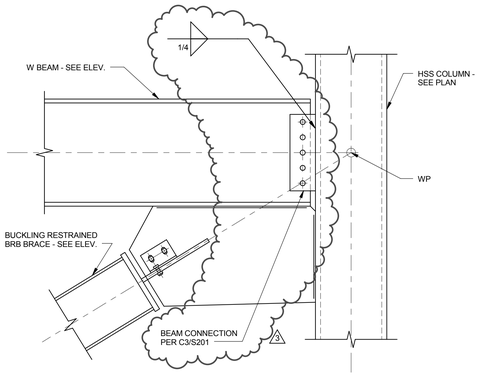
1. DESIGN OF GUSSET PLATE AND CONNECTIONS OF PLATES TO COLUMNS AND BEAMS SHALL BE PROVIDED BY THE BRBF SUPPLIER.
2. GUSSET PLATES AND PORTIONS OF BRACES EXTENDING 4-1/2" FROM THE END OF THE SLEEVES ARE PROTECTED ZONES. NO WELDS OR ATTACHMENTS MAY BE MADE TO THESE AREAS. SEE TYPICAL DETAILS FOR EXTENT AND LIMITATIONS OF PROTECTED ZONES.
3. WHERE BRACES OR GUSSET ELEMENTS ARE EMBEDDED IN SLABS, PROVIDE1/2" COMPRESSIBLE MATERIAL BETWEEN ELEMENTS AND SLAB.
4. ALL BRACES BELOW FLOOR FRAMING MUST BE INSTALLED PRIOR TO POURING CONCRETE FLOORS.
5. BUCKLING RESTRAINED BRACES SHALL BE DESIGNED AND TESTED AS FOLLOWS:
   a. BUCKLING RESTRAINED BRACES ARE TO BE TESTED PER THE PROVISIONS OF AISC 341-05. BRACE SUPPLIER SHALL SUBMIT PROOF OF EACH BRACE'S COMPLIANCE WITH THE QUALIFIED LOAD AND STRAIN RANGES.
   b. Pu IS THE GOVERNING CODE LEVEL FORCE IN THE BRACE BASED ON LRFD FORCE LEVELS. SEE BRACED FRAME ELEVATIONS. Pu ≤ 0.9*Asc*Fymin.
   c. THE ACTUAL YIELD STRESS OF THE STEEL CORE, Fysc, SHALL BE DETERMINED BY A COUPON TEST (38 KSI ≤ Fysc ≤ 46 KSI). CHARPY TESTING IS REQUIRED WHEN THE THICKNESS OF THE CORE MATERIAL EXCEEDS 2".
   d. BRACE STIFFNESS, Keff, TO BE CALCULATED AS KF*Asc*E/Lwp-wp(±10%), WHERE THE VALUES FOR THE STIFFNESS MODIFICATION FACTOR (KF)=1.5, Asc IS TAKEN FROM THE BRACED FRAME ELEVATIONS, AND Lwp-wp IS THE WORKPOINT-TO-WORKPOINT LENGTH OF THE BRACE.
   e. BRACE STRAINS TO BE CALCULATED AS Pservice=Pu/(ρ I), WHERE ρ =1.3 AND I=1.25.
   f. MAXIMUM βu NOT TO EXCEED 1.36 AND MAXIMUM β NOT TO EXCEED 1.1.



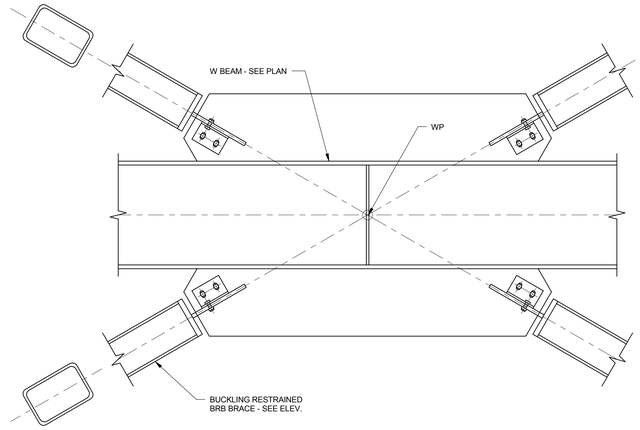
ELEVATION
SCALE : NONE
A1 S201 L



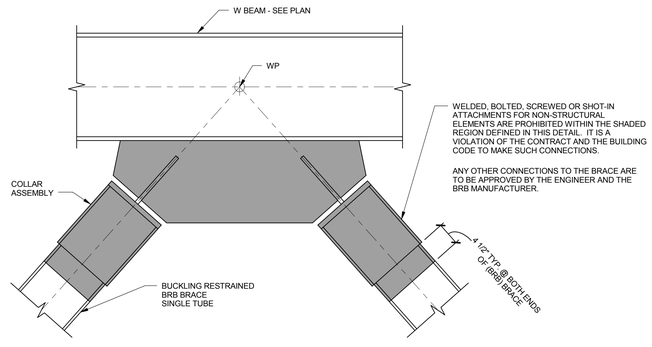
DETAIL
SCALE : NONE
C3 S201 L



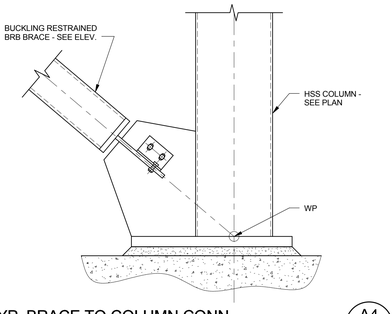
TYP. BRACE TO COLUMN FLANGE CONNECTION (NON-MOMENT CONNECTED BEAM)
SCALE : NONE
A3 S201 L



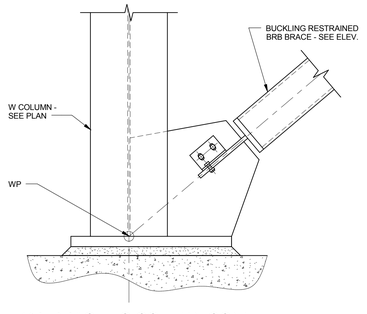
TYP. CHEVRON BRACE CONN. (SINGLE TUBE)
SCALE : NONE
D4 S201 L



TYP. PROTECTED ZONE DETAIL
SCALE : NONE
B4 S201 L



TYP. BRACE TO COLUMN CONN.
SCALE : NONE
A4 S201 L



TYP. BRACE TO COLUMN CONN.
SCALE : NONE
A5 S201 L

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10-2-12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
1594 W. Pierpont Dr. Ogden, Utah 84404
ph: 801.782.6008 fx: 801-782-6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

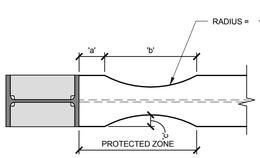
Rev #	Date	Description
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

BRACED FRAME ELEVATIONS

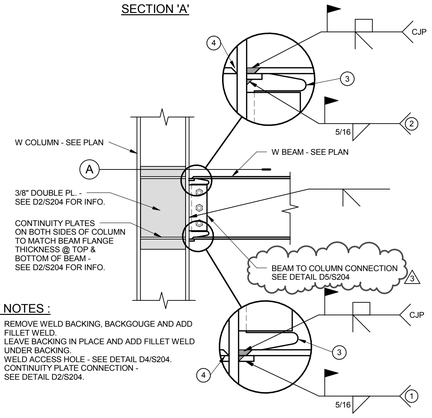
S201

10/24/2012 1:06:40 PM



BEAM	'a'	'b'	'c'
W24x76	4 1/2"	15 1/2"	2 3/16"
W30x99	5 1/4"	19 5/16"	2 5/8"
W30x108	5 1/4"	19 1/2"	2 1/2"
W30x132	5 1/4"	19 3/4"	2 1/2"

SECTION 'A'



KEY NOTES :

1. REMOVE WELD BACKING, BACKGOUGE AND ADD FILLET WELD.
2. LEAVE BACKING IN PLACE AND ADD FILLET WELD UNDER BACKING.
3. WELD ACCESS HOLE - SEE DETAIL D4/S204.
4. CONTINUITY PLATE CONNECTION - SEE DETAIL D2/S204.

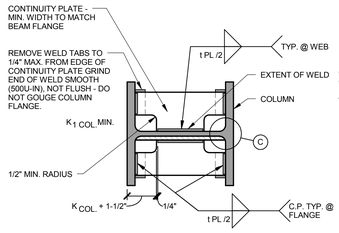
TYPICAL MOMENT FRAME CONNECTION DETAIL

SCALE : NONE

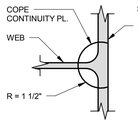
D1 S204 L

KEY NOTES :

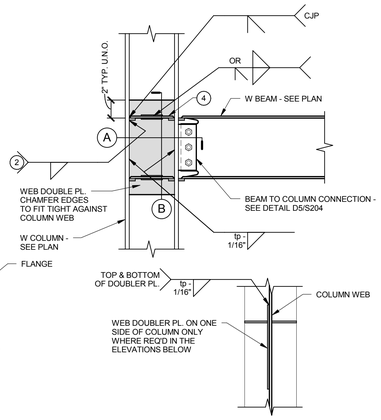
1. CONTINUITY PLATE.
2. AISC MINIMUM CONTINUOUS FILLET WELD UNDER BACKING.
3. MINIMUM WIDTH TO MATCH BEAM FLANGE. PREFERRED ALTERNATIVE : EXTEND PLATE FLUSH WITH COLUMN FLANGES.
4. REMOVE WELD TABS TO 1/4" MAXIMUM FROM EDGE OF CONTINUITY PLATE. GRIND END OF WELD. SMOOTH (500 u-in). NOT FLUSH. DO NOT GOUGE COLUMN FLANGE.



SECTION 'A'



SECTION 'C'

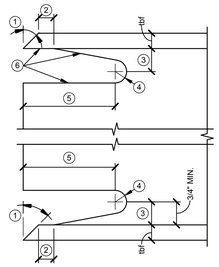


SECTION 'B'

MOMENT FRAME CONNECTION DETAIL

SCALE : NONE

D2 S204 L



TOLERANCES SHALL NOT ACCUMULATE TO THE EXTENT THAT THE ANGLE OF THE ACCESS HOLE CUT TO THE FLANGE SURFACE EXCEEDS 25°

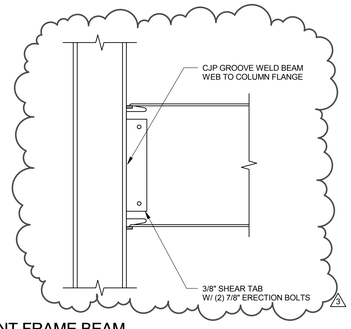
KEY NOTES :

1. BEVEL AS REQUIRED BY AWS D1.1 FOR SELECTED GROOVE WELD PROCEDURE.
2. LARGER OF t_{bf} OR 1/2 INCH. (PLUS 1/2 t_{bf} , OR MINUS 1/4 t_{bf}).
3. 3/4 t_{bf} TO t_{bf} , 3/4" MINIMUM (+ 1/4 INCH).
4. 3/8" MINIMUM RADIUS (PLUS NOT LIMITED, OR MINUS 0).
5. 3 t_{bf} , (+ 1/2 INCH).
6. SEE FEMA-353, RECOMMENDED SPECIFICATIONS AND QUALITY ASSURANCE GUIDELINES FOR STEEL MOMENT-FRAME CONSTRUCTION FOR SEISMIC APPLICATIONS, FOR FABRICATION DETAILS INCLUDING CUTTING METHODS AND SMOOTHNESS REQUIREMENTS.

DETAIL

SCALE : NONE

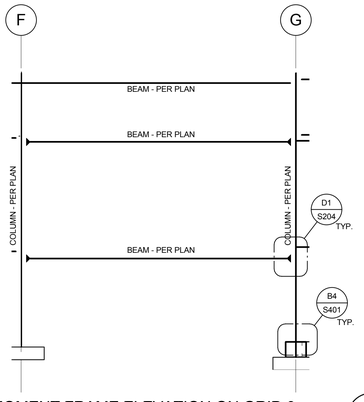
D4 S204 L



MOMENT FRAME BEAM CONNECTION DETAIL

SCALE : NONE

D5 S204 L



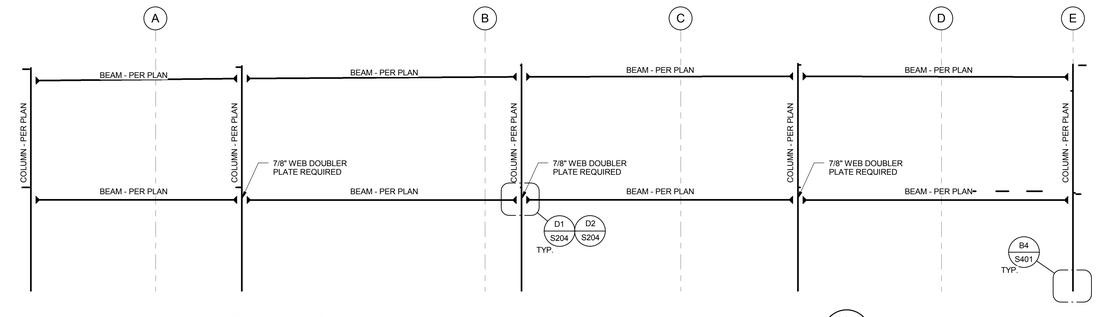
MOMENT FRAME ELEVATION ON GRID 3

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

C S204 L

MOMENT FRAMES

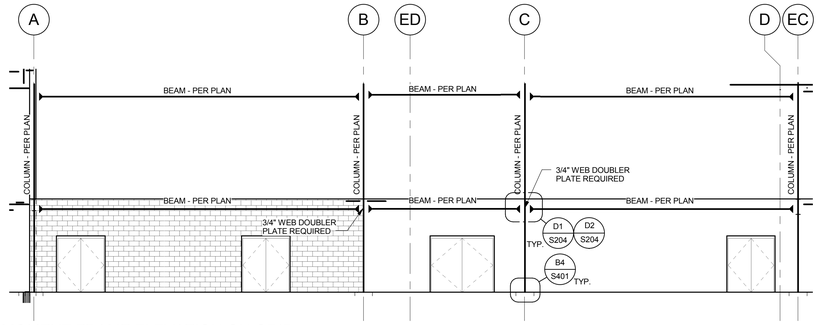
1. STRUCTURAL STEEL IN MOMENT FRAMES SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS NOTED IN THE STRUCTURAL STEEL NOTES ABOVE IN ADDITION TO THE FOLLOWING:
   a. AISC 341 - RECOMMENDED SPECIFICATIONS AND QUALITY ASSURANCE GUIDELINES FOR STEEL MOMENT-FRAME CONSTRUCTION FOR SEISMIC APPLICATIONS.
2. STRUCTURAL STEEL IN MOMENT FRAMES SHALL COMPLY WITH THE REQUIREMENTS NOTED IN THE STRUCTURAL STEEL NOTES ABOVE TO INCLUDE THE FOLLOWING:
   a. ALL SHAPES OF GROUP 3 (WITH FLANGES THICKER THAN 1-1/2"), GROUP 4 AND GROUP 5, AS WELL AS ALL PLATES 2" AND THICKER, THAT ARE PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL HAVE CHARPY V-NOTCH ABSORBED ENERGY OF AT LEAST 20 FT-LBS. AT 70 DEGREES F.
3. BOLTED CONNECTIONS IN MOMENT FRAMES SHALL CONFORM TO AISC 358 FASTENER AND TIGHTENING REQUIREMENTS. ALL BOLTS IN MOMENT FRAMES SHALL BE INSPECTED AND TESTED.
4. WELDED CONNECTIONS BETWEEN THE PRIMARY MEMBERS OF MOMENT FRAMES SHALL BE TESTED FOR COMPLIANCE ACCORDING TO IBC TABLE 1704.3 AND THE CONTRACT SPECIFICATIONS AND PLANS. INSPECTION SHALL BE DONE BY A QUALIFIED TESTING INSPECTOR, AS A MINIMUM, THE TESTING SHALL INCLUDE THE FOLLOWING:
   a. ALL COMPLETE PENETRATION GROOVE WELDS CONTAINED IN JOINTS AND SPLICES SHALL BE TESTED 100% EITHER BY ULTRASONIC TESTING OR BY RADIOGRAPHY.
   b. PARTIAL PENETRATION GROOVE WELDS WHEN USED IN COLUMN SPLICES SHALL BE TESTED EITHER BY ULTRASONIC TESTING OR BY RADIOGRAPHY. A MINIMUM OF 50% OF THESE WELDS SHALL BE TESTED.
   c. BASE METAL THICKER THAN 1-1/2", WHEN SUBJECTED TO THROUGH THICKNESS WELD SHRINKAGE STRAINS SHALL BE ULTRASONICALLY INSPECTED FOR DISCONTINUITIES DIRECTLY BEHIND SUCH WELDS AND THREE INCHES ABOVE AND BELOW THE WELD AFTER JOINT ASSEMBLY COMPLETION.
   d. ANY MATERIAL DISCONTINUITIES SHALL BE ACCEPTED OR REJECTED ON THE BASIS OF THE DEFECT RATING IN ACCORDANCE WITH THE UBC STANDARDS AS IT REFERS TO THE TESTING IN AWS D1.1 CHAPTER 6, EXCLUDING SECTIONS 6.1 THROUGH AND INCLUDING 6.6. ALL DEFICIENT WELDS SHALL BE CORRECTED AND TESTED AT NO ADDITIONAL COST TO THE OWNER.
5. ALL COMPLETE PENETRATION WELDS USED IN MOMENT FRAMES ARE CONSIDERED DEMAND CRITICAL AND THE FOLLOWING SPECIAL PROVISIONS APPLY: WELDING METHODS, PROCEDURES AND QUALITY CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING:
   a. TACK WELD QUALITY SHALL COMPLY WITH SECTION 5.18.
   b. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED.
   c. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINES IN SECTION 3.5.
   d. USE WELD TABS AT BEAM FLANGE CONNECTION; AFTER WELDING, REMOVE THE WELD TABS AND FINISH TO A SMOOTH CONTOUR PER SECTION 5.31.3.
   e. BACKER BARS SHALL BE REMOVED FROM BEAM BOTTOM FLANGE CONNECTIONS TO COLUMNS. THE ROOT OF THE WELD SHALL BE BACK GOUGED TO SOUND METAL TO REMOVE ALL SLAG AND CRACKS. WELD THE BACK-GOUGED REGION AND FINISH WELDING USING A REINFORCING FILLET WELD, ACCORDING TO SECTION 5.10.4.
   f. BACKER BARS NEED NOT BE REMOVED FROM THE BEAM TOP FLANGE CONNECTIONS TO COLUMNS PROVIDED THAT THE BACKER BARS ARE WELDED TO THE COLUMN FLANGE WITH A CONTINUOUS FILLET WELD FOR THE ENTIRE LENGTH OF THE BACKER BAR.
   g. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA.
   h. USE ELECTRODES WITH CHARPY V-NOTCH ABSORBED ENERGY EQUAL TO OR GREATER THAN 20 FT-LBS AT -20 DEGREES FAHRENHEIT UNDER AWS A5 CLASSIFICATION TEST METHODS, AND 40 FT-LBS AT 70 DEGREES FAHRENHEIT USING TEST PROCEDURES PRESCRIBED IN APPENDIX X OF AISC 358. ACCEPTABLE ELECTRODES INCLUDE E70TG-K2, E71T-8, AND E71T-1.
6. ALL NON-FULL PENETRATION WELDS USED IN MOMENT FRAMES SHALL BE MADE WITH A FILLER METAL THAT CAN PRODUCE WELDS THAT HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0 DEGREES F, AS DETERMINED AS DETERMINED BY THE APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION.
7. IN SPECIAL MOMENT FRAMES THE REGION AT THE END OF THE BEAM AS SHOWN IN DETAIL D1/S204 IS DESIGNATED AS A PROTECTED ZONE. WELDED, SCREWED, OR SHOT-IN ATTACHMENTS FOR WELDED SHEAR STUDS, PERIMETER EDGE ANGLES, EXTERIOR FACADES, PARTITIONS, DUCT WORK, PIPING OR OTHER CONSTRUCTION SHALL NOT BE PLACED WITHIN THE PROTECTED ZONES. DECKING ARC SPOT WELDS AS REQUIRED TO SECURE DECKING SHALL BE PERMITTED. WHERE DISCONTINUITIES, OR ATTACHMENTS HAVE BEEN MADE WITHIN THE PROTECTED ZONE, THEY SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.



MOMENT FRAME ELEVATION ON GRID 2.5

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

A S204 L



MOMENT FRAME ELEVATION ON GRID 4

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

B S204 L

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
1594 W. Pierr Dr. Ogden, Utah 84404
ph: 801.782.6008 fl: 801-782-4656

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

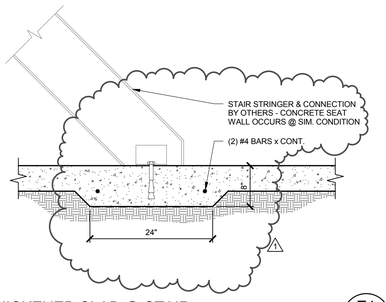
Rev #	Date	Description
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

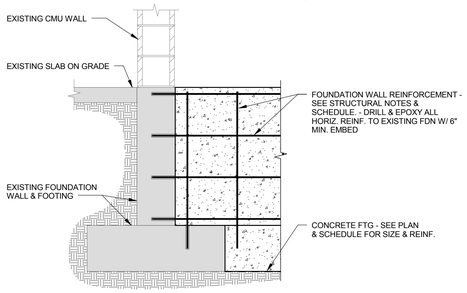
MOMENT FRAME ELEVATIONS

S204

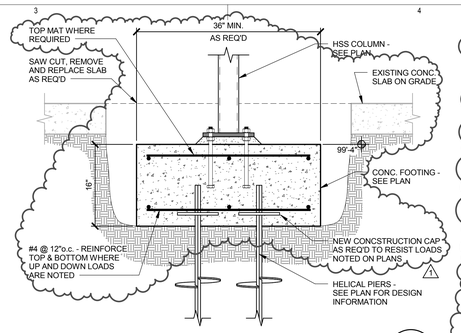
10/24/2012 1:06:43 PM



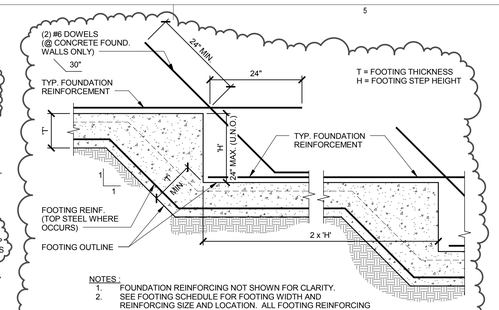
THICKENED SLAB @ STAIR — E1 / S401
SCALE : NONE



TYP. FOOTING & FOUNDATION INTO EXISTING FOOTING & FOUNDATION — E2 / S401
SCALE : NONE

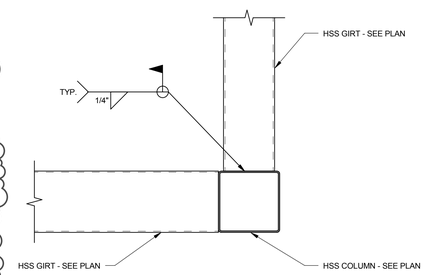


DETAIL — E3 / S401
SCALE : NONE

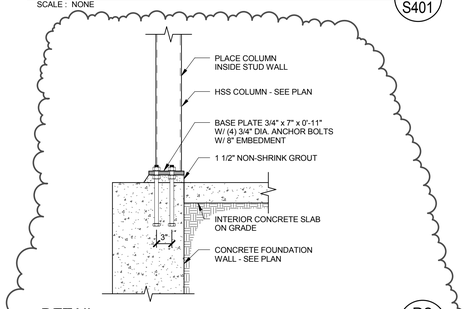


NOTES :
1. FOUNDATION REINFORCING NOT SHOWN FOR CLARITY.
2. SEE FOOTING SCHEDULE FOR FOOTING WIDTH AND REINFORCING SIZE AND LOCATION. ALL FOOTING REINFORCING REFERENCED IN THE SCHEDULE OR SHOWN IN THE DETAILS MUST RUN CONTINOUS THROUGH THE FOOTING STEP.

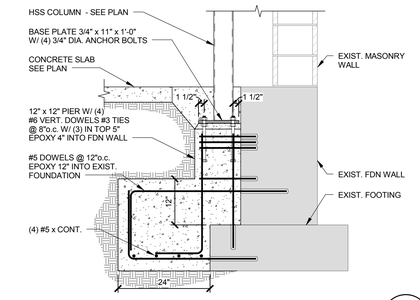
TYPICAL STEPPED FOOTING — E4 / S401
SCALE : NONE



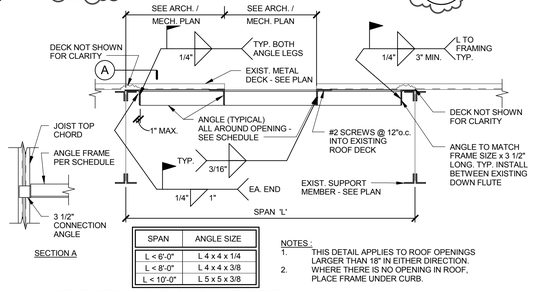
TYPICAL WIND GIRT CONNECTION — E5 / S401
SCALE : NONE



DETAIL — D2 / S401
SCALE : NONE



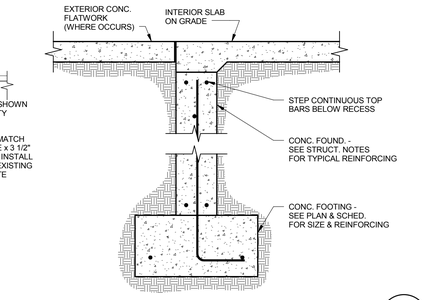
DETAIL — D3 / S401
SCALE : NONE



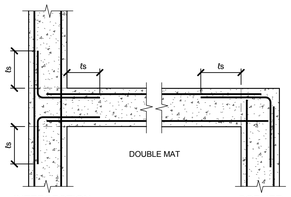
SPAN	ANGLE SIZE
L < 6'-0"	L 4 x 4 x 1/4
L < 8'-0"	L 4 x 4 x 3/8
L < 10'-0"	L 5 x 5 x 3/8

NOTES :
1. THIS DETAIL APPLIES TO ROOF OPENINGS LARGER THAN 18" IN EITHER DIRECTION. WHERE THERE IS NO OPENING IN ROOF, PLACE FRAME UNDER CURB.

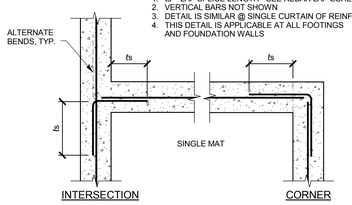
TYP. FRAMING @ ROOF OPENINGS & ROOFTOP EQUIPMENT @ EXIST. ROOF — D4 / S401
SCALE : NONE



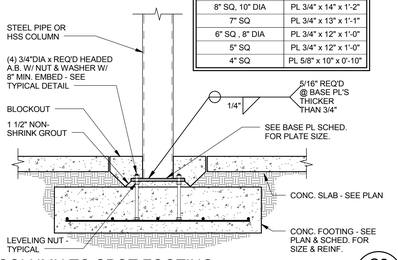
CONCRETE FDN @ OPENING DETAIL — D5 / S401
SCALE : NONE



NOTES:
1. ts = LAP SPLICE LENGTH - SEE REBAR LAP SCHEDULE
2. VERTICAL BARS NOT SHOWN
3. DETAIL IS SIMILAR @ SINGLE CURTAIN OF REINF.
4. THIS DETAIL IS APPLICABLE AT ALL FOOTINGS AND FOUNDATION WALLS

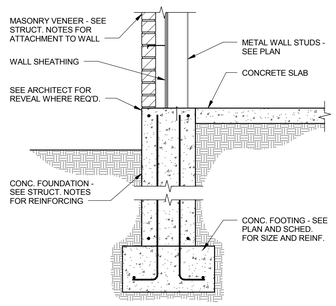


TYP REINF. @ INTERSECTIONS IN CONC. DETAIL — C1 / S401
SCALE : NONE

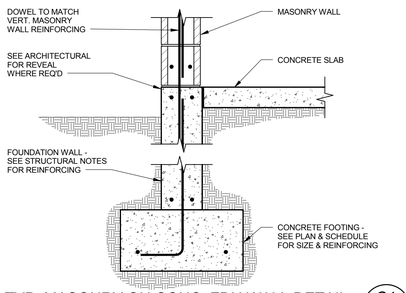


BASE PLATE SCHEDULE	
COLUMN SIZE	BASE PLATE SIZE
12" SQ.	PL 3/4" x 18" x 1'-6"
10" SQ.	PL 3/4" x 16" x 1'-4"
8" SQ, 10" DIA	PL 3/4" x 14" x 1'-2"
7" SQ	PL 3/4" x 13" x 1'-1"
6" SQ , 8" DIA	PL 3/4" x 12" x 1'-0"
5" SQ	PL 3/4" x 12" x 1'-0"
4" SQ	PL 5/8" x 10" x 0'-10"

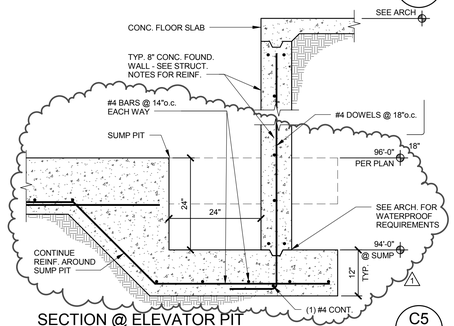
COLUMN TO SPOT FOOTING — C2 / S401
SCALE : NONE



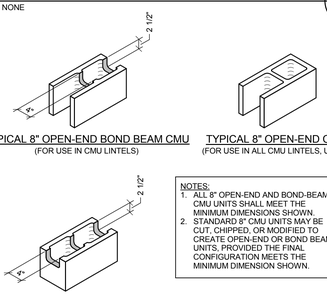
SECTION @ EXTERIOR WALL — C3 / S401
SCALE : NONE



TYP. MASONRY ON CONC. FDN WALL DETAIL — C4 / S401
SCALE : NONE

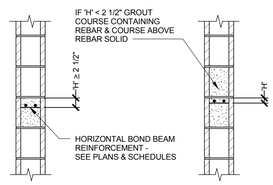


SECTION @ ELEVATOR PIT — C5 / S401
SCALE : NONE

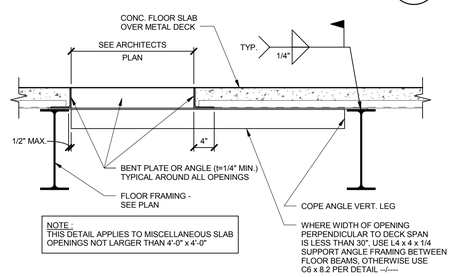


NOTES:
1. ALL 8" OPEN-END AND BOND-BEAM CMU UNITS SHALL MEET THE MINIMUM DIMENSIONS SHOWN.
2. STANDARD 8" CMU UNITS MAY BE CUT, CHIPPED, OR MODIFIED TO CREATE OPEN-END OR BOND BEAM UNITS, PROVIDED THE FINAL CONFIGURATION MEETS THE MINIMUM DIMENSION SHOWN.

TYPICAL CMU BLOCK — B1 / S401
SCALE : NONE

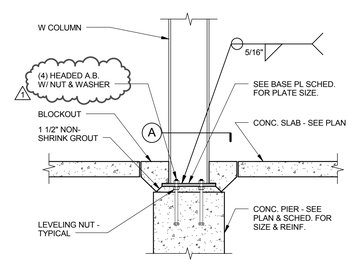


TYP. BOND BEAM GROUTING — B2 / S401
SCALE : NONE



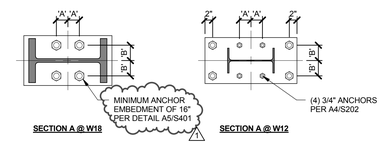
NOTE :
THIS DETAIL APPLIES TO MISCELLANEOUS SLAB OPENINGS NOT LARGER THAN 4'-0" x 4'-0"

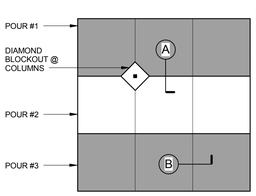
TYP. FRAMING @ FLOOR OPENING — B3 / S401
SCALE : NONE



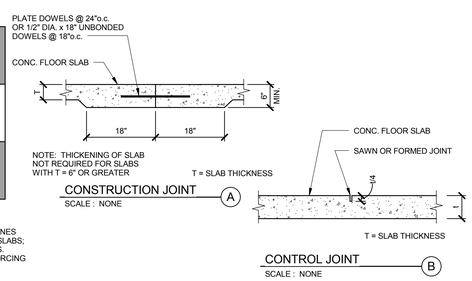
COLUMN TO SPOT FOOTING — B4 / S401
SCALE : NONE

BASE PLATE SCHEDULE				
COLUMN SIZE	BASE PL. SIZE (Fy = 50 ksi)	DIMENSION 'A'	DIMENSION 'B'	A.B. SIZE
W18	1" x 13" x 1'-11"	3"	4"	1-1/2"
W12	3" x 12" x 2'-0"	3"	4"	1-3/8"

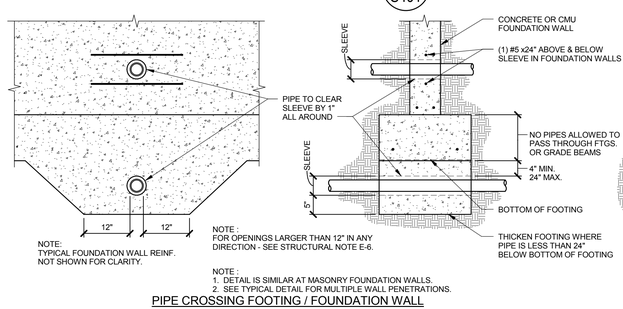




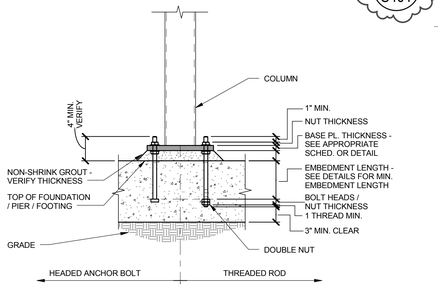
NOTES:
1. JOINTS SHALL OCCUR AT MAIN COLUMN/GRID LINES W/ 10'-0" MAX. SPACING BETWEEN JOINTS @ 4" SLABS; 12'-0" MAX. @ 5" SLABS, & 15'-0" MAX. @ 6" SLABS.
2. SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.



TYPICAL CONCRETE SLAB JOINTS — A1 / S401
SCALE : NONE



ALLOWABLE PIPING LOCATIONS @ FOOTING DETAIL — A3 / S401
SCALE : NONE



TYPICAL ANCHOR BOLT EMBEDMENT DETAIL — A5 / S401
SCALE : NONE

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
15984 W. Park Dr. Ogden, Utah 84404
ph: 801.782.6008 fx: 801-782-6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

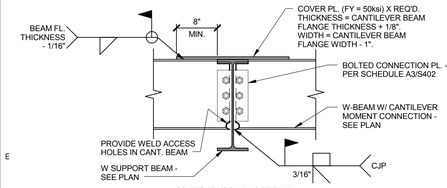
Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

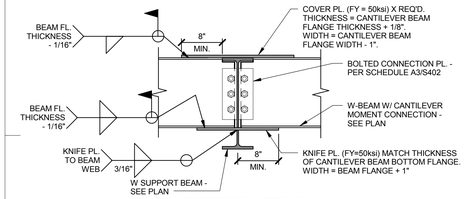
TYPICAL DETAILS

S401

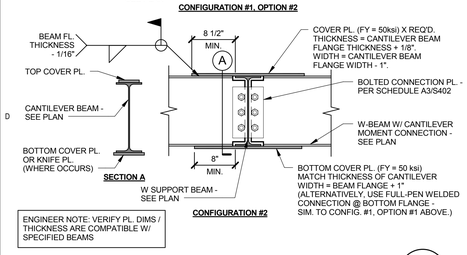
10/24/2012 1:06:50 PM



CONFIGURATION #1, OPTION #1

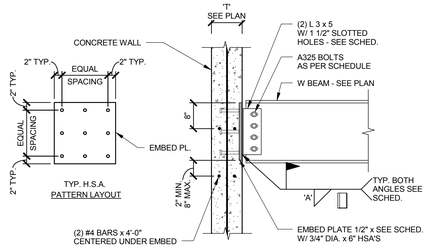


CONFIGURATION #1, OPTION #2



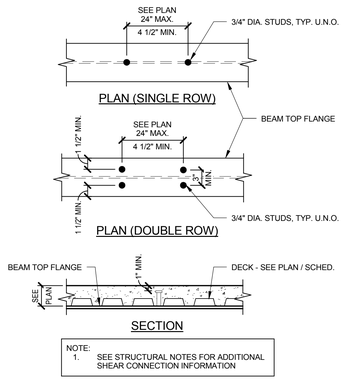
ENGINEER NOTE: VERIFY PL. DIMS / THICKNESS ARE COMPATIBLE W/ SPECIFIED BEAMS

DETAIL
SCALE : NONE
D1 / S402



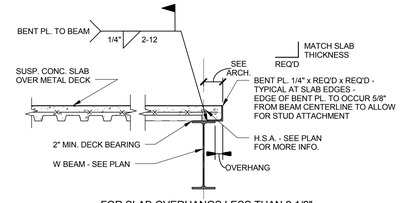
BEAM SIZE	ANGLE SIZE (EA. SIDE)	WELD 'A'	BOLTS	EMBED PLATE	# OF H.S.A.	H.S.A. PATTERN
W8x, C8x	3 x 5 x 1/4	3/16"	(2) 3/4"DIA	8" x 8"	4	∴
W10x	3 x 5 x 5/16	1/4"	(2) 3/4"DIA	12" x 1'-4"	6	⁝⁝⁝
W14x	3 x 5 x 5/16	1/4"	(3) 3/4"DIA	15" x 1'-4"	9	⁝⁝⁝
W24x	3 x 5 x 3/8	1/4"	(7) 7/8"DIA	15" x 2'-0"	12	⁝⁝⁝

BEAM INTO CONCRETE
SCALE : NONE
D2 / S402

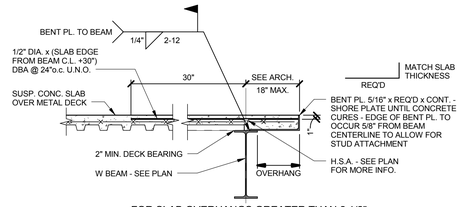


NOTE:
1. SEE STRUCTURAL NOTES FOR ADDITIONAL SHEAR CONNECTION INFORMATION

TYP. SHEAR STUD CONNECTION DETAIL
SCALE : NONE
D3 / S402

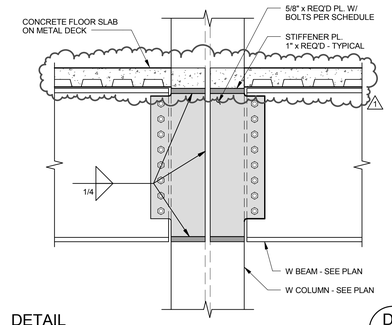


FOR SLAB OVERHANGS LESS THAN 2 1/2"

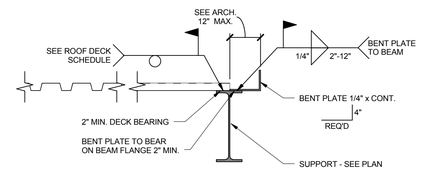


FOR SLAB OVERHANGS GREATER THAN 2 1/2"

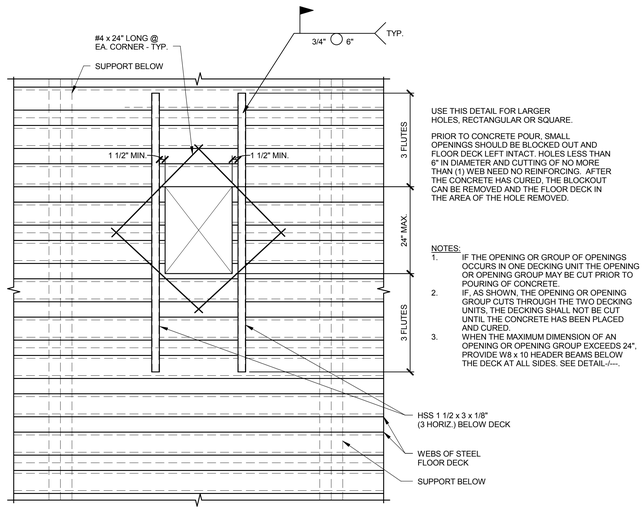
DECK EDGE ON BEAM
SCALE : NONE
E4 / S402



DETAIL
SCALE : NONE
D4 / S402



DECK EDGE ON BEAM
SCALE : NONE
D5 / S402

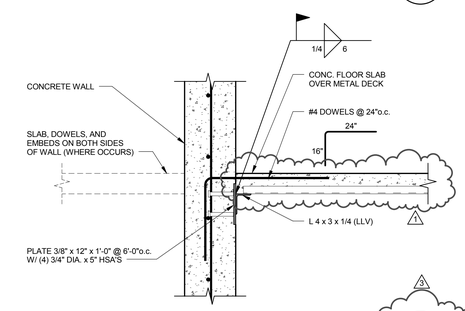


USE THIS DETAIL FOR LARGER HOLES, RECTANGULAR OR SQUARE.

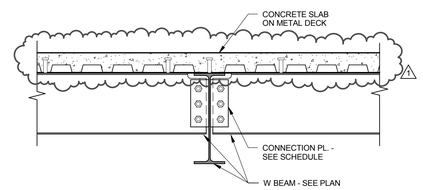
PRIOR TO CONCRETE POUR, SMALL OPENINGS SHOULD BE BLOCKED OUT AND FLOOR DECK LEFT INTACT. HOLES LESS THAN 6" IN DIAMETER AND CUTTING OF NO MORE THAN (1) WEB NEED NO REINFORCING. AFTER THE CONCRETE HAS CURED, THE BLOCKOUT CAN BE REMOVED AND THE FLOOR DECK IN THE AREA OF THE HOLE REMOVED.

NOTES:
1. IF THE OPENING OR GROUP OF OPENINGS OCCURS IN ONE DECKING UNIT THE OPENING OR OPENING GROUP MAY BE CUT PRIOR TO POURING OF CONCRETE.
2. IF, AS SHOWN, THE OPENING OR OPENING GROUP CUTS THROUGH THE TWO DECKING UNITS, THE DECKING SHALL NOT BE CUT UNTIL THE CONCRETE HAS BEEN PLACED AND CURED.
3. WHEN THE MAXIMUM DIMENSION OF AN OPENING OR OPENING GROUP EXCEEDS 24", PROVIDE W8 x 10 HEADER BEAMS BELOW THE DECK AT ALL SIDES. SEE DETAIL-/---.

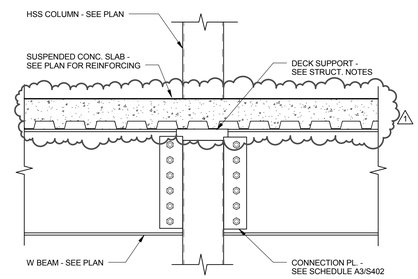
TYP. REINFORCEMENT @ OPENINGS IN SUSPENDED CONCRETE SLAB
SCALE : NONE
B1 / S402



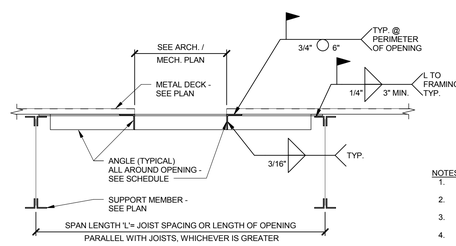
CONCRETE DECK INTO CONCRETE WALL
SCALE : NONE
C3 / S402



BEAMS INTO GIRDER
SCALE : NONE
C4 / S402



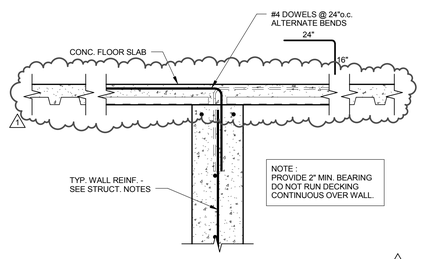
BEAM INTO COLUMN
SCALE : NONE
C5 / S402



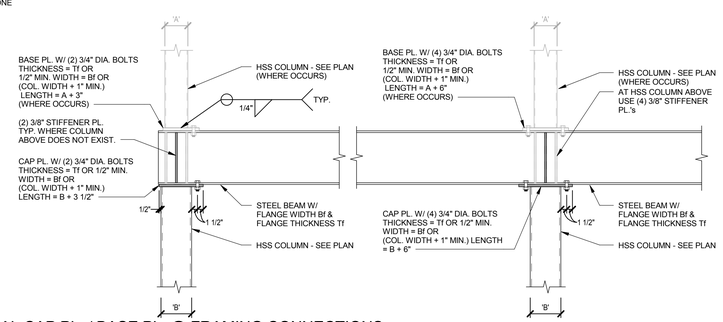
SPAN	ANGLE SIZE
L < 6'-0"	L 4 x 4 x 1/4
L < 8'-0"	L 4 x 4 x 3/8
L < 10'-0"	L 5 x 5 x 3/8

NOTES :
1. THIS DETAIL APPLIES TO ROOF OPENINGS LARGER THAN 18" IN EITHER DIRECTION. WHERE THERE IS NO OPENING IN ROOF, PLACE FRAME UNDER CURB.
2. MECHANICAL CURB ATTACHMENT TO STRUCTURE IS BY OTHERS.
3. THIS DETAIL OCCURS UNDER THE CURB AND AROUND THE OPENING. WHERE NO OPENING OCCURS, FRAME OCCURS BELOW CURB ONLY.

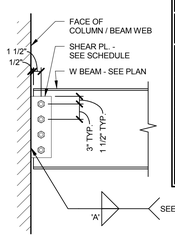
TYP. FRAMING @ ROOF OPN'GS & ROOFTOP EQUIPMENT DETAIL
SCALE : NONE
B3 / S402



DECK ACROSS CONCRETE
SCALE : NONE
B5 / S402



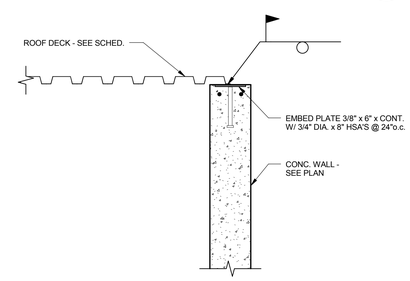
TYPICAL CAP PL. / BASE PL. @ FRAMING CONNECTIONS
SCALE : NONE
A1 / S402



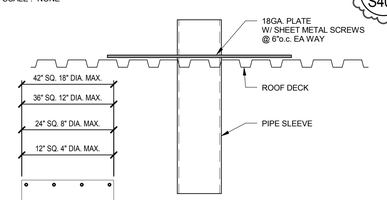
CONNECTION SCHEDULE

BEAM DEPTH	SHEAR PLATE	BOLTS No.	BOLTS SIZE	WELD 'A'	COMMENTS
W8 x, W10 x	PL. 1/4" x 4"	2	3/4" DIA.	3/16"	
W12 x	PL. 5/16" x 4"	3	3/4" DIA.	1/4"	
W14 x	PL. 5/16" x 4"	3	3/4" DIA.	1/4"	
W16 x	PL. 5/16" x 4"	4	3/4" DIA.	1/4"	
W18 x	PL. 3/8" x 4"	5	7/8" DIA.	1/4"	
W21 x	PL. 5/16" x 4"	6	3/4" DIA.	1/4"	
W24 x	PL. 5/16" x 4"	7	3/4" DIA.	1/4"	
W27 x	PL. 1/2" x 4"	8	7/8" DIA.	5/16"	
W30 x	PL. 1/2" x 4"	9	7/8" DIA.	5/16"	

TYPICAL BEAM CONNECTIONS DETAIL
SCALE : NONE
A3 / S402



DETAIL
SCALE : NONE
A4 / S402



PLAN

NOTES:
1. USE DETAIL FOR THE FOLLOWING CONDITIONS:
   - NO ADDED LOAD NOTED ON PLANS
   - (1) TO (3) DECK FLUTES ARE PENETRATED
2. FOR OPENINGS GREATER THAN THREE FLUTES (18"), SEE TYPICAL DETAIL FOR ADDITIONAL FRAMING.

TYP. FRAMING @ SMALL ROOF OPENINGS DETAIL
SCALE : NONE
A5 / S402

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy L. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
15984 W. Park Dr. Ogden, Utah 84404
ph: 801.782.6008 fl. 801-782-6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

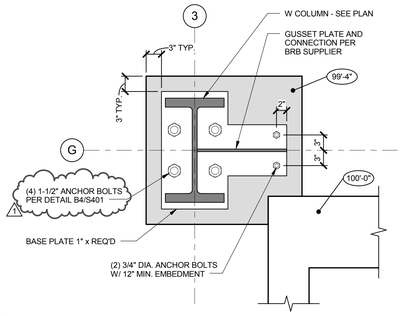
Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

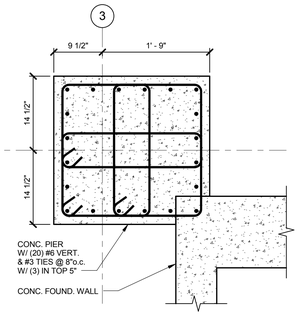
TYPICAL DETAILS

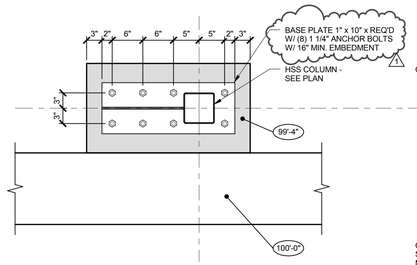
S402

10/24/2012 1:06:51 PM

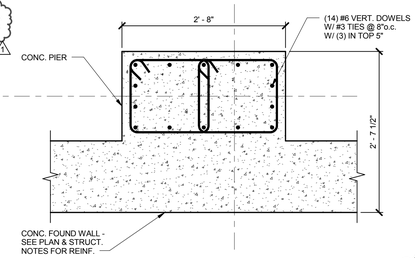


DETAIL
SCALE : NONE
E1 S403

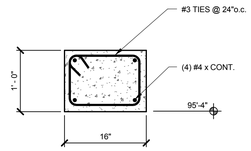




DETAIL
SCALE : NONE

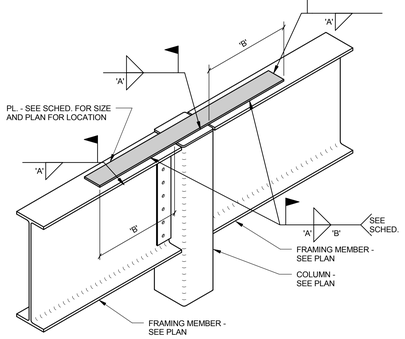


E3 S403



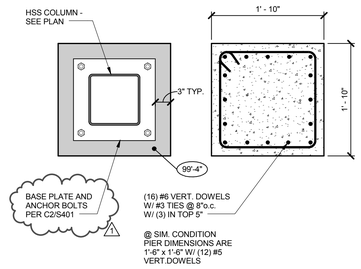
NOTE: #4 CONT. REBAR SHALL RUN CONTINUOUS THROUGH SPOT FOOTINGS

DETAIL
SCALE : NONE
E5 S403

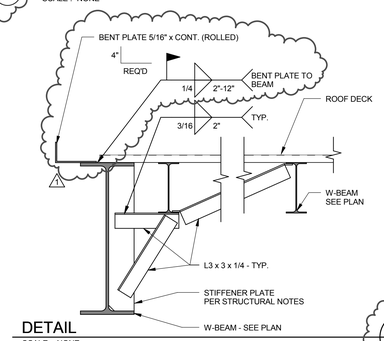


SEISMIC STRAP SCHEDULE			
MARK	STRAP SIZE	WELD SIZE 'A'	WELD LENGTH 'B'
SS1	PL. 1/4" x 4" x REQ'D	1/4"	6"
SS2	PL. 5/8" x 5" x REQ'D	1/4"	8"

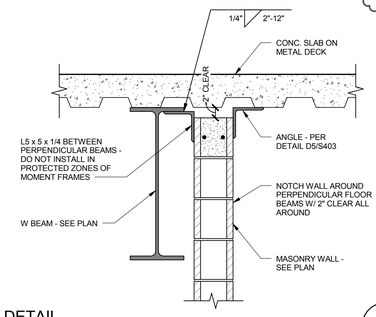
SEISMIC STRAP SCHEDULE
SCALE : NONE
C1 S403



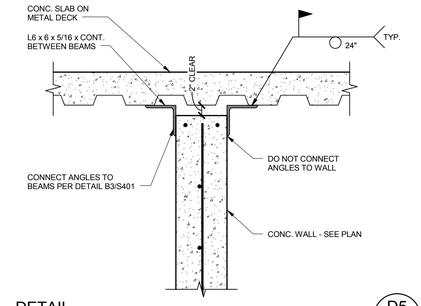
DETAIL
SCALE : NONE
D2 S403



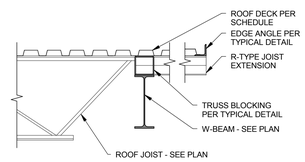
DETAIL
SCALE : NONE
D3 S403



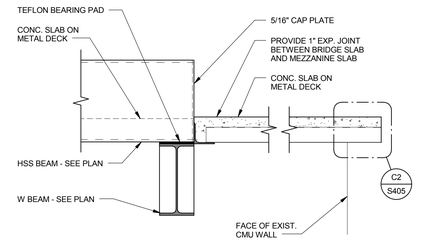
DETAIL
SCALE : NONE
D4 S403



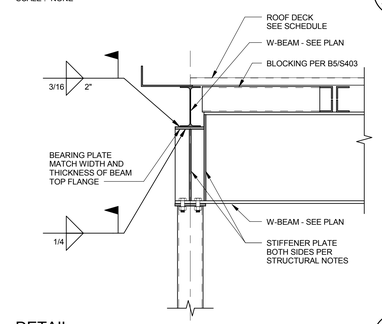
DETAIL
SCALE : NONE
D5 S403



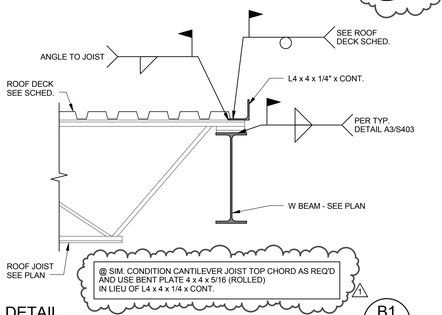
DETAIL
SCALE : NONE
C3 S403



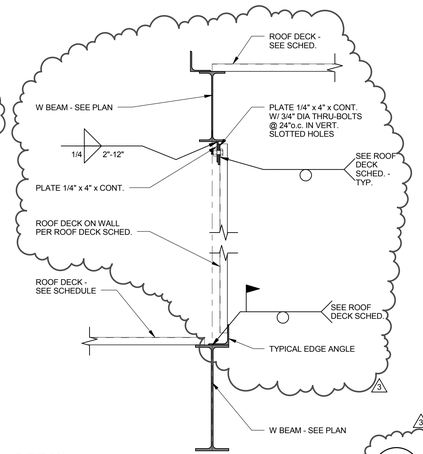
DETAIL
SCALE : NONE
C4 S403



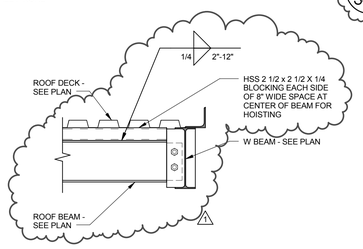
DETAIL
SCALE : NONE
C5 S403



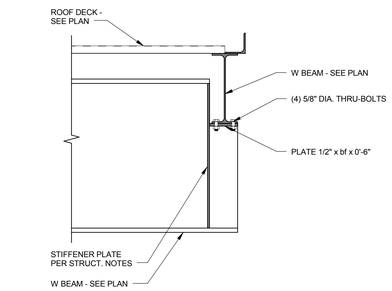
DETAIL
SCALE : NONE
B1 S403



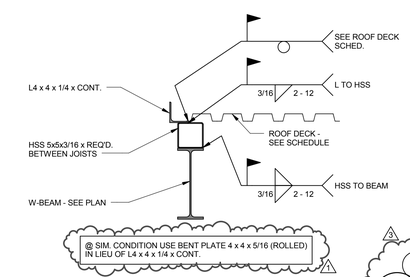
DETAIL
SCALE : NONE
B2 S403



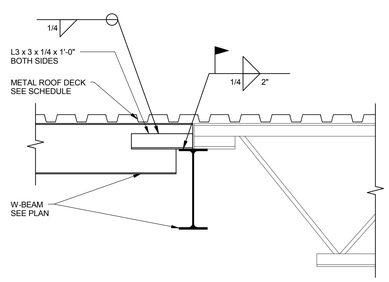
DETAIL
SCALE : NONE
B3 S403



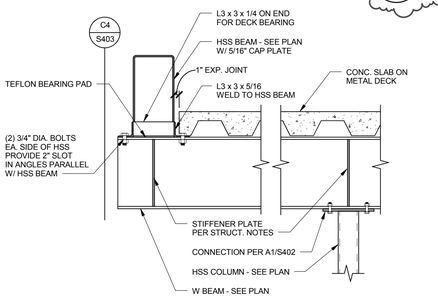
DETAIL
SCALE : NONE
B4 S403



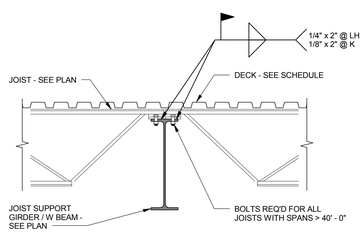
BLOCKING ON BEAM
SCALE : NONE
B5 S403



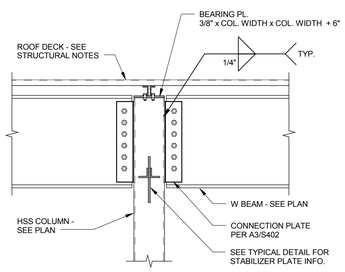
DETAIL
SCALE : NONE
A1 S403



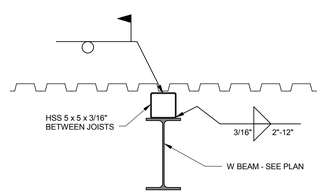
DETAIL
SCALE : NONE
A2 S403



JOISTS ON BEAM
SCALE : NONE
A3 S403



BEAMS & JOISTS INTO HSS COLUMN
SCALE : NONE
A4 S403



DETAIL
SCALE : NONE
A5 S403

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
15664 W. Park Dr. Ogden, Utah 84404
ph: 801.782.6008 fl: 801-782-6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

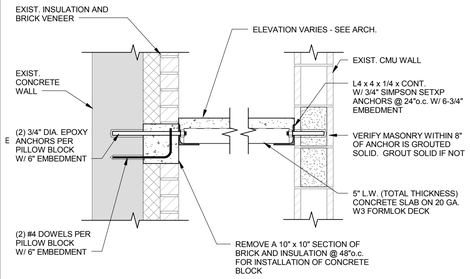
Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

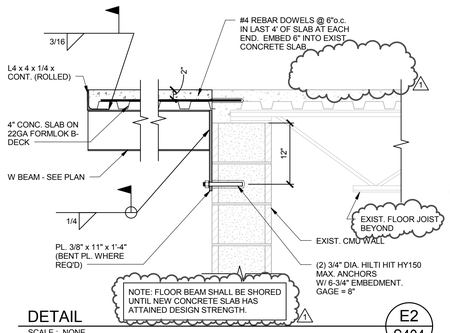
DETAILS

S403

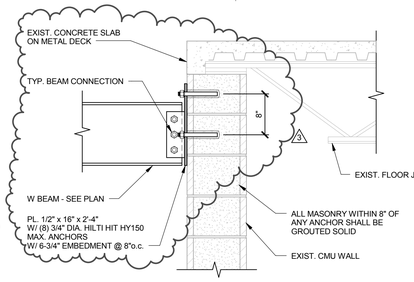
10/24/2012 1:06:52 PM



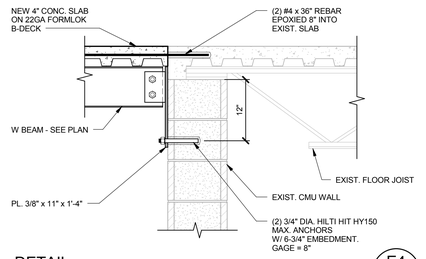
DETAIL E1 S404
SCALE : NONE



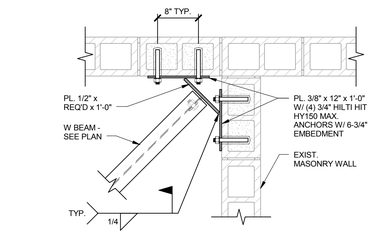
DETAIL E2 S404
SCALE : NONE



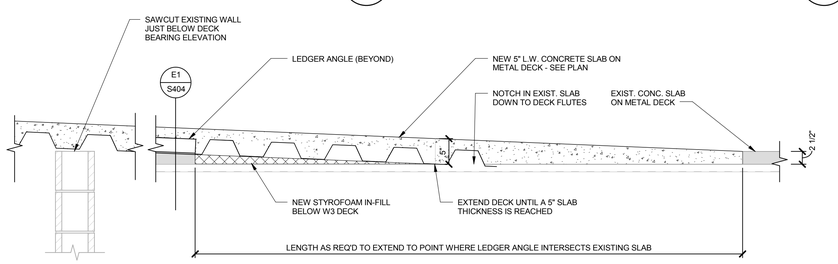
DETAIL E3 S404
SCALE : NONE



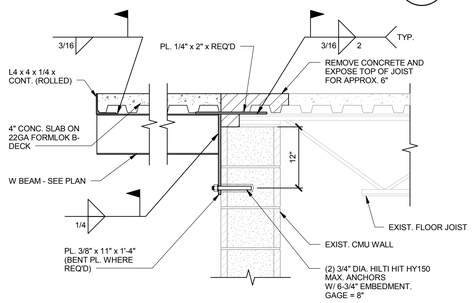
DETAIL E4 S404
SCALE : NONE



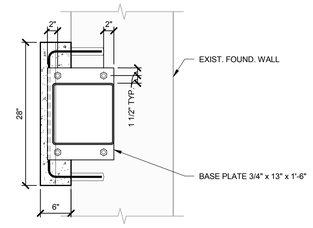
DETAIL E5 S404
SCALE : NONE



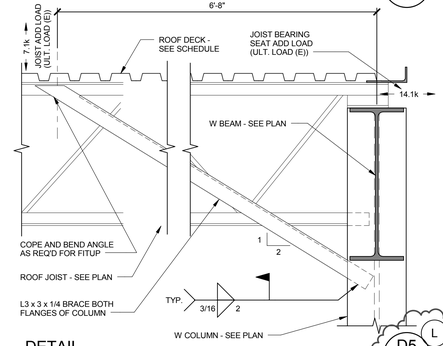
DETAIL D1 S404
SCALE : NONE



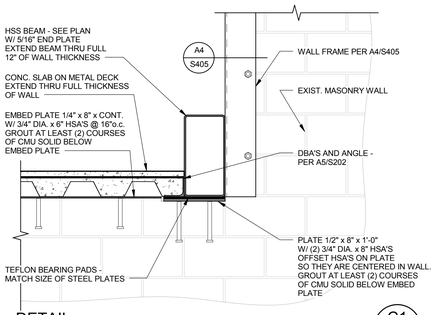
DETAIL D3 S404
SCALE : NONE



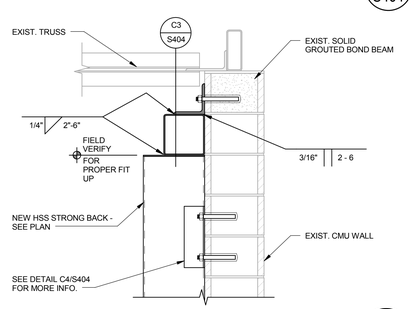
SECTION 'A'



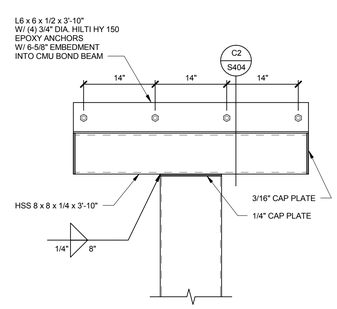
DETAIL D5 S404
SCALE : NONE



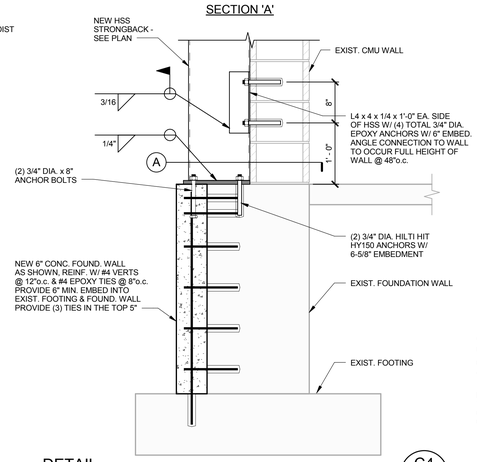
DETAIL C1 S404
SCALE : NONE



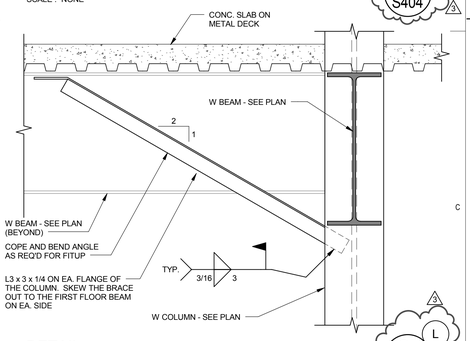
DETAIL C2 S404
SCALE : NONE



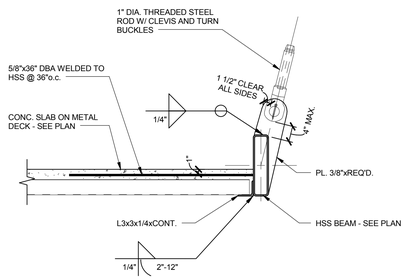
DETAIL C3 S404
SCALE : NONE



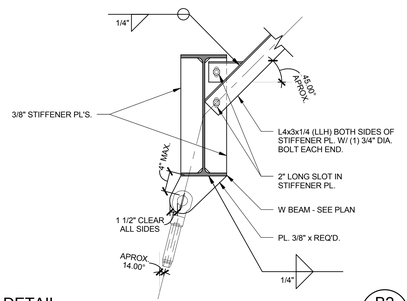
DETAIL C4 S404
SCALE : NONE



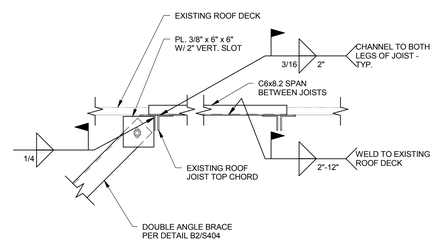
DETAIL C5 S404
SCALE : NONE



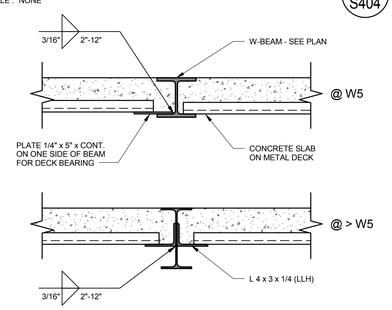
DETAIL B1 S404
SCALE : NONE



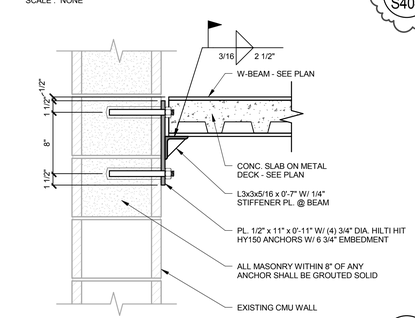
DETAIL B2 S404
SCALE : NONE



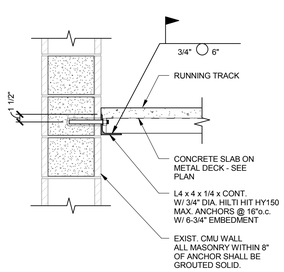
DETAIL B3 S404
SCALE : NONE



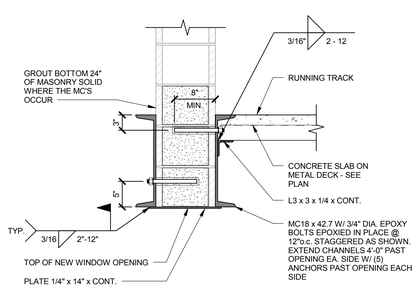
DETAIL B4 S404
SCALE : NONE



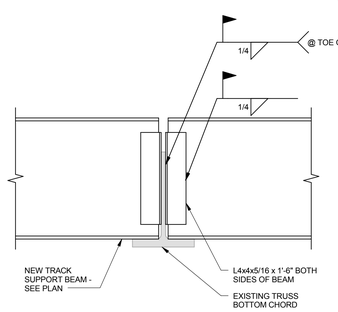
DETAIL B5 S404
SCALE : NONE



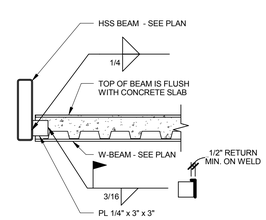
DETAIL A1 S404
SCALE : NONE



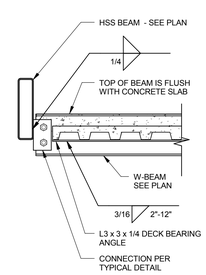
DETAIL A2 S404
SCALE : NONE



DETAIL A3 S404
SCALE : NONE



DETAIL A4 S404
SCALE : NONE



DETAIL A5 S404
SCALE : NONE

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
1594 W. Pierpont Dr. Ogden, Utah 84404
ph: 801.782.6008 fx: 801.782.6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

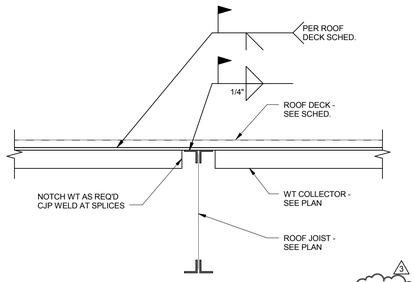
Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

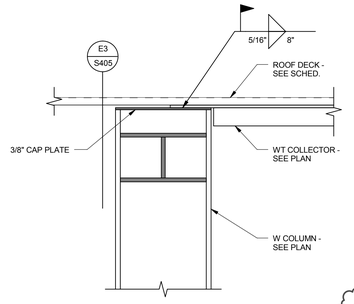
DETAILS

S404

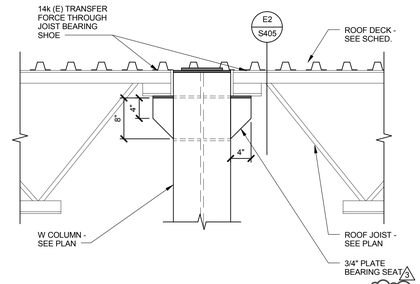
10/24/2012 1:06:53 PM



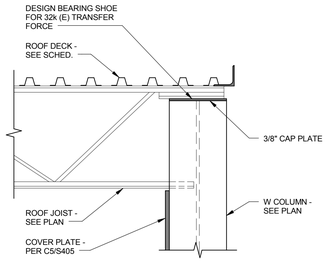
DETAIL E1/S405
SCALE : NONE



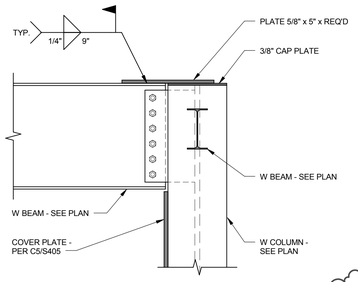
DETAIL E2/S405
SCALE : NONE



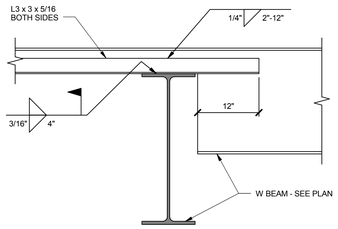
DETAIL E3/S405
SCALE : NONE



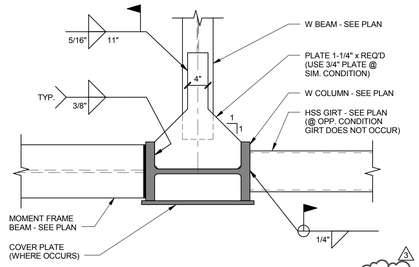
DETAIL E4/S405
SCALE : NONE



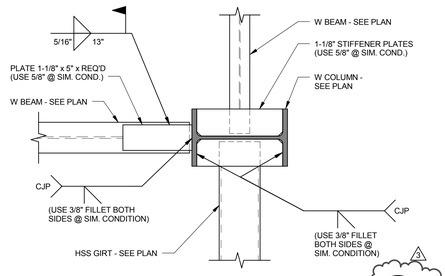
DETAIL E5/S405
SCALE : NONE



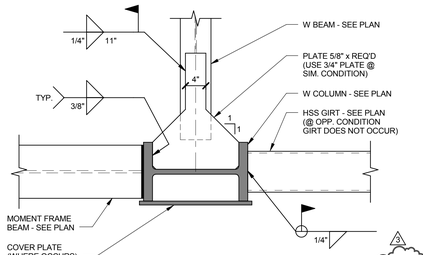
DETAIL D2/S405
SCALE : NONE



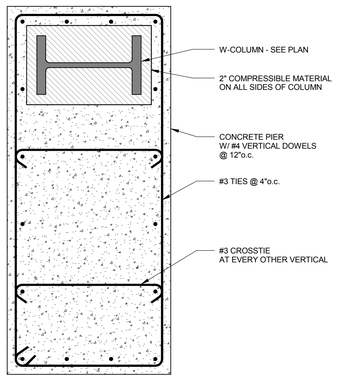
DETAIL D3/S405
SCALE : NONE



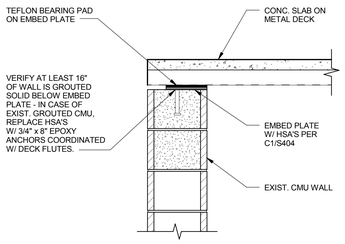
DETAIL D4/S405
SCALE : NONE



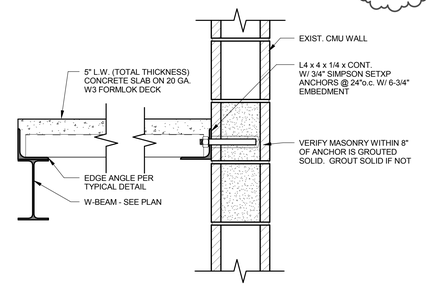
DETAIL D5/S405
SCALE : NONE



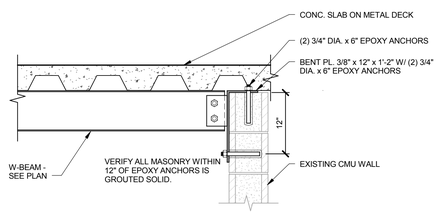
DETAIL C1/S405
SCALE : NONE



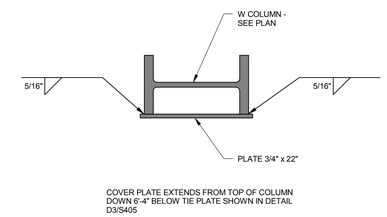
DETAIL C2/S405
SCALE : NONE



DETAIL C3/S405
SCALE : NONE

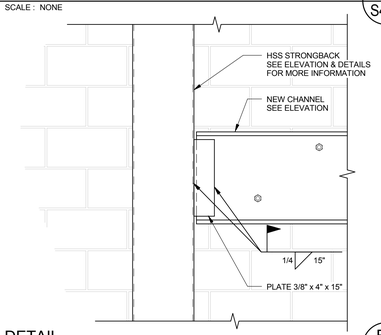


DETAIL C4/S405
SCALE : NONE

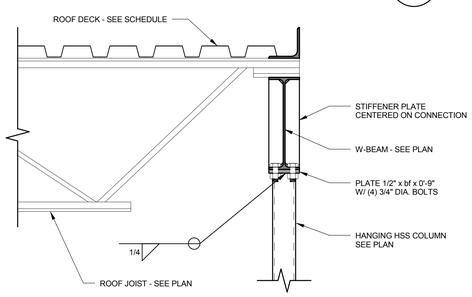


COVER PLATE EXTENDS FROM TOP OF COLUMN DOWN 6'-4" BELOW TIE PLATE SHOWN IN DETAIL D3/S405

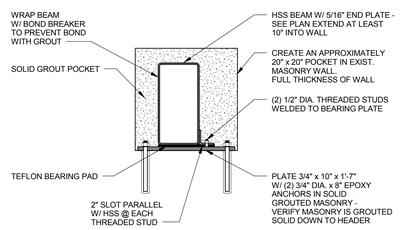
DETAIL C5/S405
SCALE : NONE



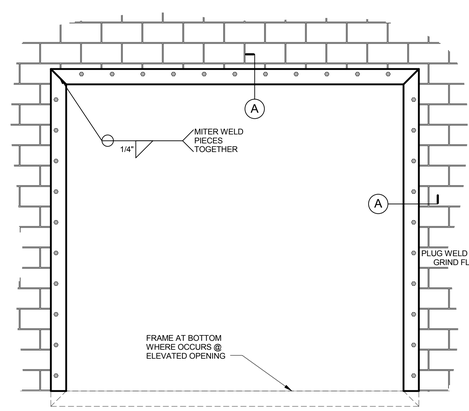
DETAIL B1/S405
SCALE : NONE

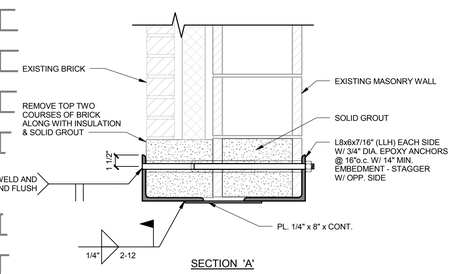


DETAIL B2/S405
SCALE : NONE



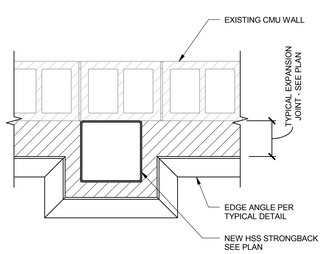
DETAIL B3/S405
SCALE : NONE



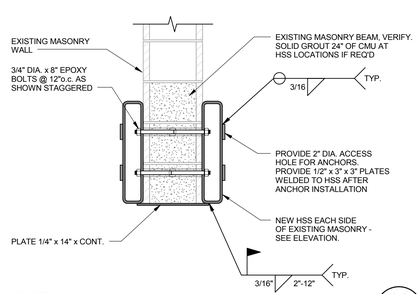


SECTION 'A'

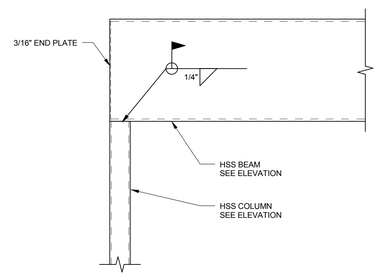
TYP. NEW OPENING IN EXISTING MASONRY WALL
SCALE : NONE



DETAIL A1/S405
SCALE : NONE



DETAIL A2/S405
SCALE : NONE



DETAIL A3/S405
SCALE : NONE

VCBO ARCHITECTURE
VALENTINER CRANE BRUNJES ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
15984 W. Park Dr. Sunset, Utah 84404
ph: 801.782.6008 fl: 801-782-6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

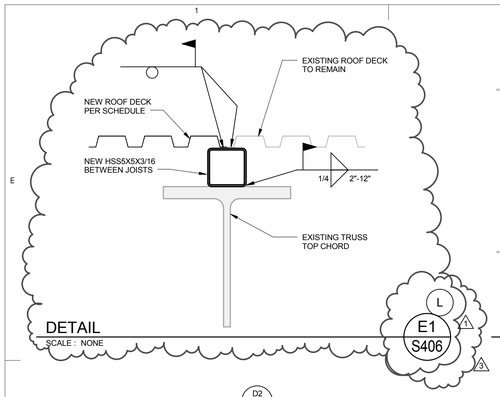
Rev #	Date	Description
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

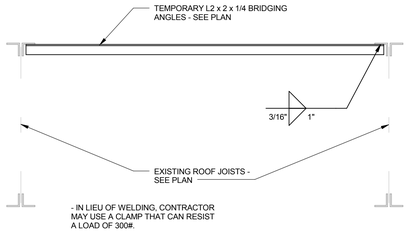
DETAILS

S405

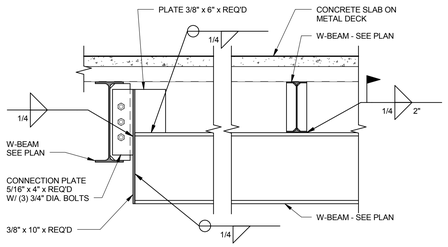
10/24/2012 1:06:55 PM



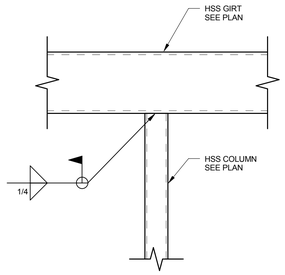
DETAIL E1/S406
SCALE : NONE



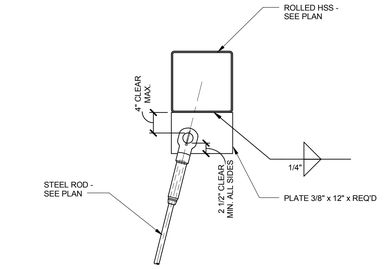
DETAIL E2/S406
SCALE : NONE



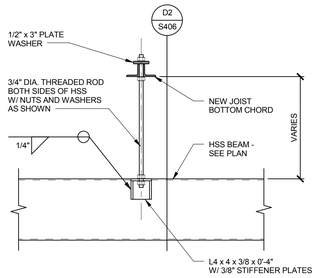
DETAIL E3/S406
SCALE : NONE



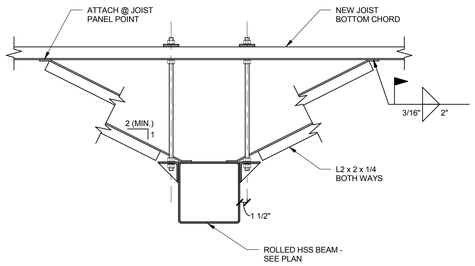
DETAIL E4/S406
SCALE : NONE



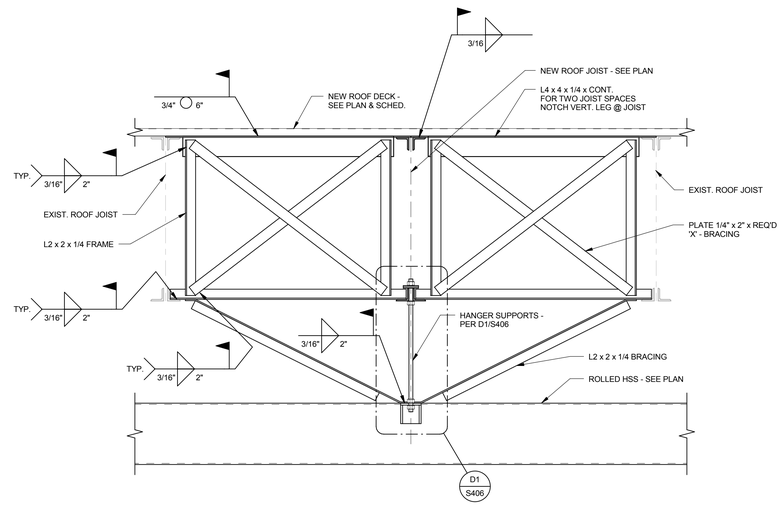
TYPICAL TRACK CORNER HANGER DETAIL E5/S406
SCALE : NONE



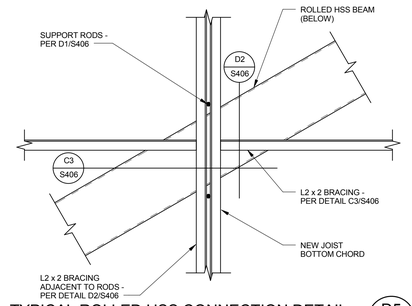
TYPICAL ROLLED HSS CONNECTION DETAIL D1/S406
SCALE : NONE



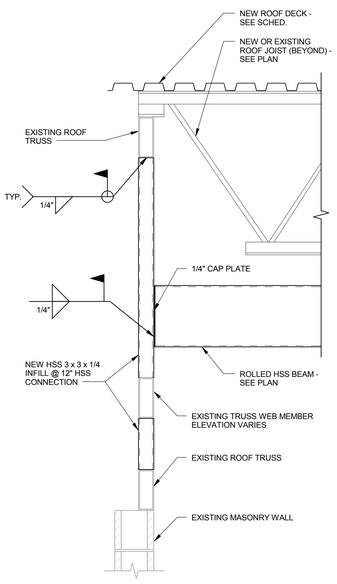
TYPICAL ROLLED HSS CONNECTION DETAIL D2/S406
SCALE : NONE



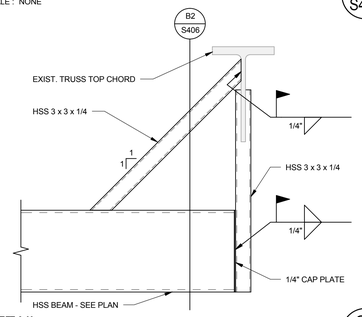
TYPICAL ROLLED HSS CONNECTION DETAIL C3/S406
SCALE : NONE



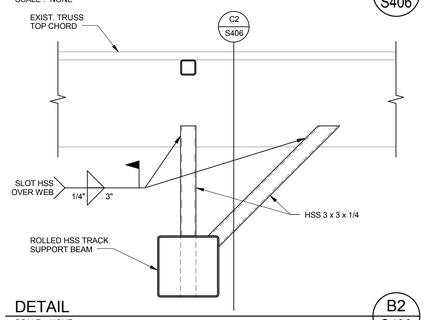
TYPICAL ROLLED HSS CONNECTION DETAIL D5/S406
SCALE : NONE



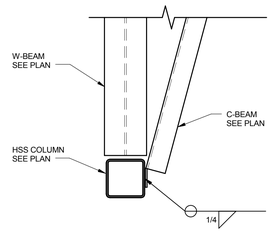
DETAIL B1/S406
SCALE : NONE



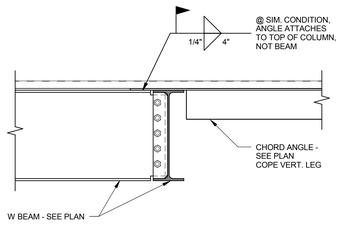
DETAIL C2/S406
SCALE : NONE



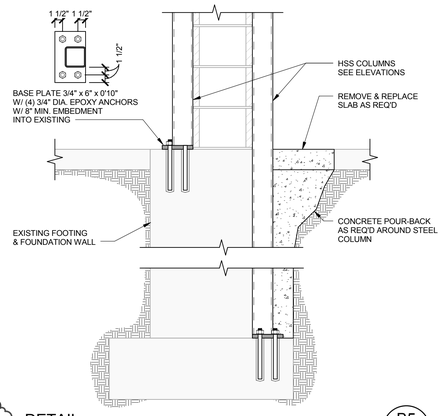
DETAIL B2/S406
SCALE : NONE



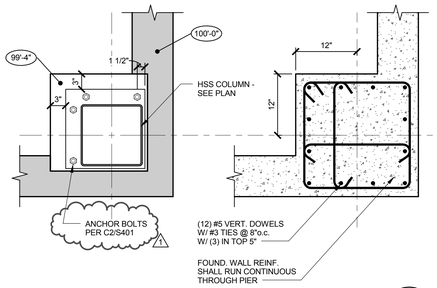
DETAIL B3/S406
SCALE : NONE



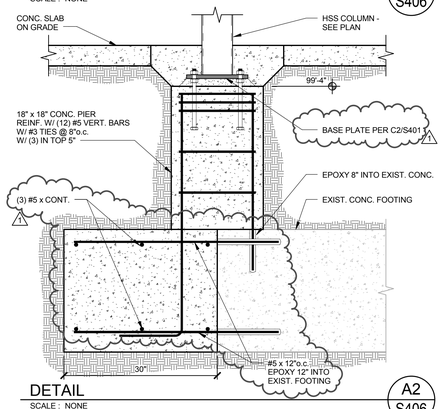
DETAIL B4/S406
SCALE : NONE



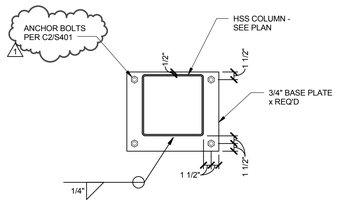
DETAIL B5/S406
SCALE : NONE



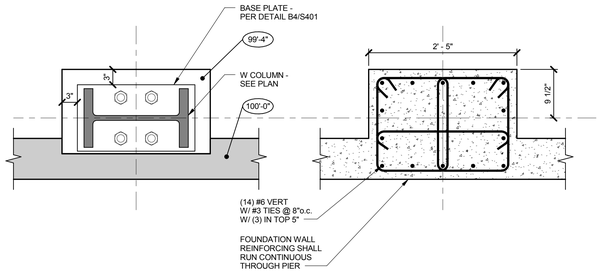
DETAIL A1/S406
SCALE : NONE



DETAIL A2/S406
SCALE : NONE



DETAIL A3/S406
SCALE : NONE



DETAIL A4/S406
SCALE : NONE

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
1556 W. Park Dr. Ogden, Utah 84404
ph: 801.782.6008 fl: 801-782-6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

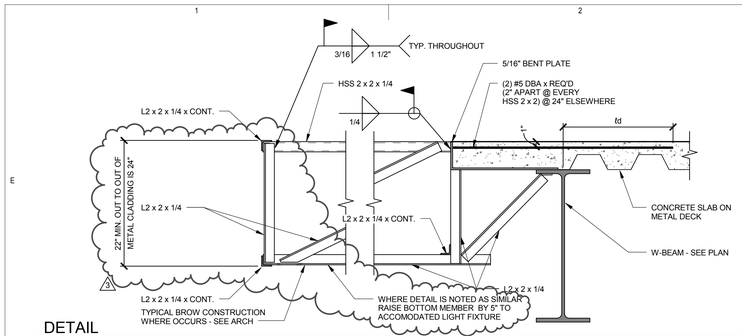
Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

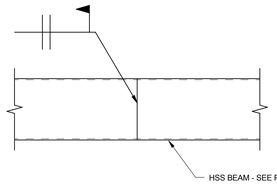
DETAILS

S406

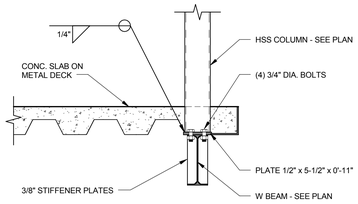
10/24/2012 1:06:56 PM



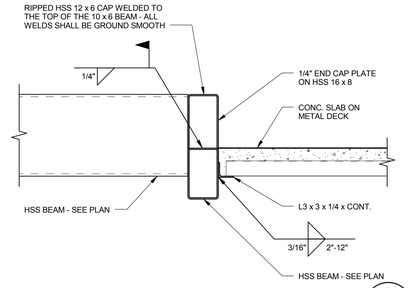
DETAIL E1/S407
SCALE : NONE



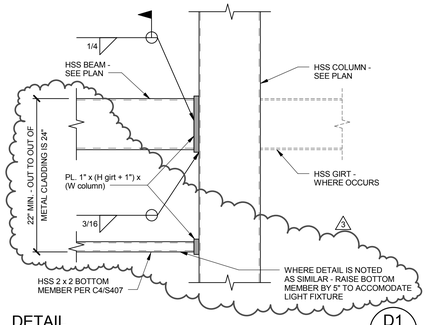
DETAIL E3/S407
SCALE : NONE



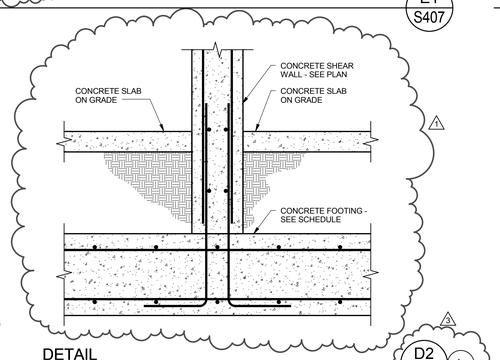
DETAIL E4/S407
SCALE : NONE



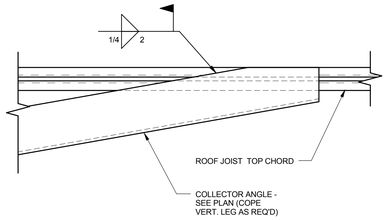
DETAIL E5/S407
SCALE : NONE



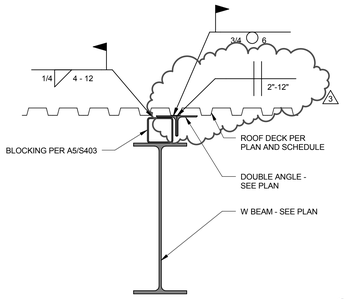
DETAIL D1/S407
SCALE : NONE



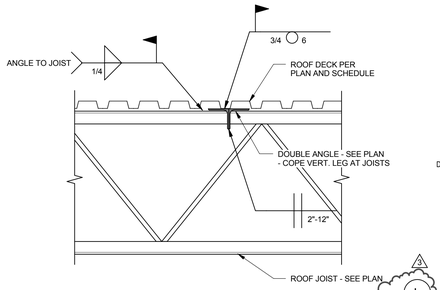
DETAIL D2/S407
SCALE : NONE



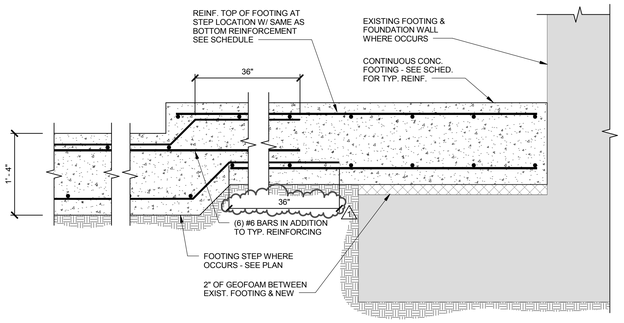
DETAIL D3/S407
SCALE : NONE



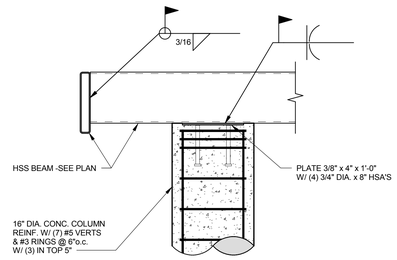
DETAIL D4/S407
SCALE : NONE



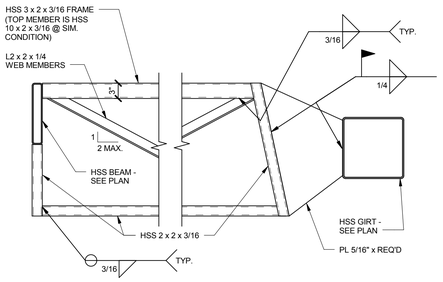
DETAIL D5/S407
SCALE : NONE



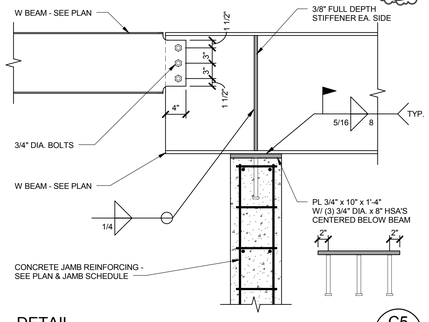
DETAIL C1/S407
SCALE : NONE



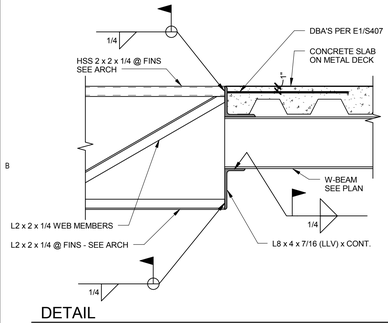
DETAIL C3/S407
SCALE : NONE



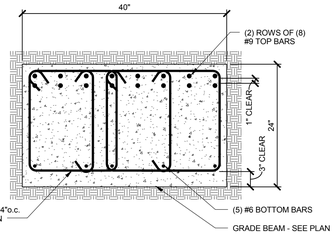
DETAIL C4/S407
SCALE : NONE



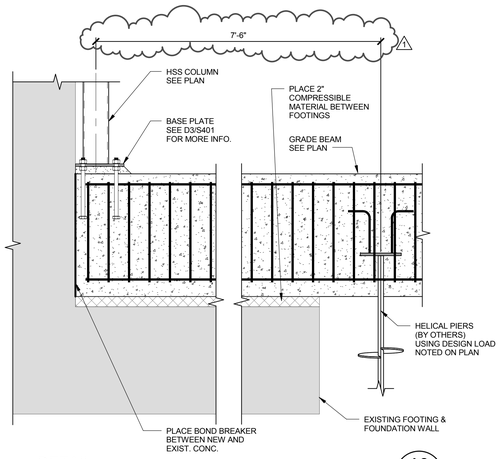
DETAIL C5/S407
SCALE : NONE



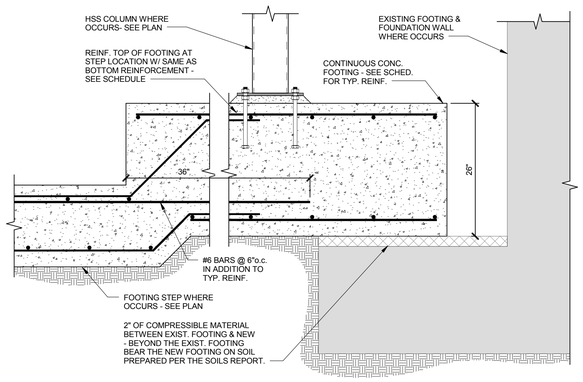
DETAIL B1/S407
SCALE : NONE



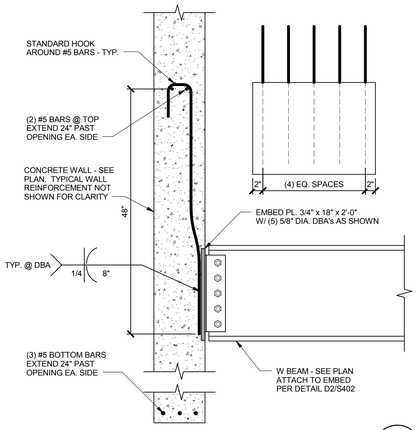
DETAIL A1/S407
SCALE : NONE



DETAIL A2/S407
SCALE : NONE



DETAIL A3/S407
SCALE : NONE



DETAIL A5/S407
SCALE : NONE

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

PROFESSIONAL STRUCTURAL ENGINEER
Jeremy A. Achter
No. 353467
10.2.12
STATE OF UTAH

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
15664 W. Park Dr. Ogden, Utah 84404
ph: 801.782.6008 fl. 801-782-6056

Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

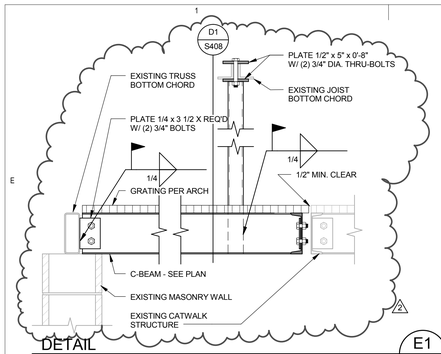
Rev #	Date	Description
1	10/12/2012	ADD #2
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

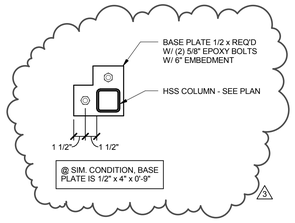
DETAILS

S407

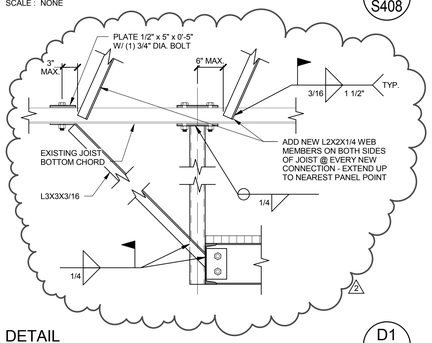
10/24/2012 1:06:57 PM



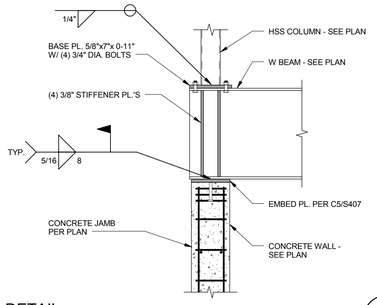
DETAIL E1/S408
SCALE : NONE



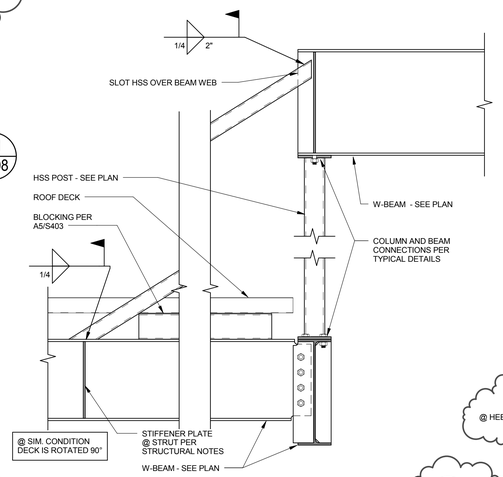
DETAIL E2/S408
SCALE : NONE



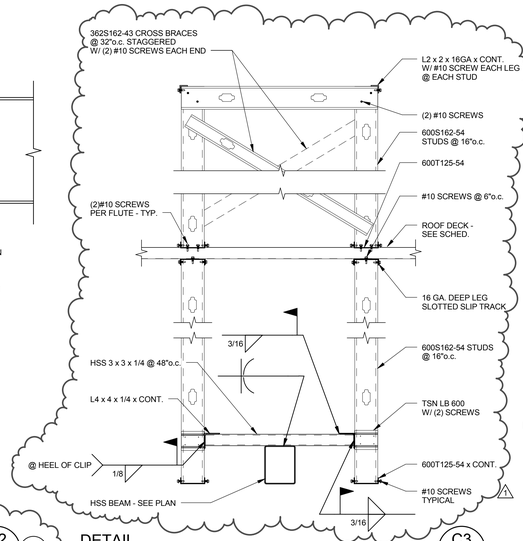
DETAIL D1/S408
SCALE : NONE



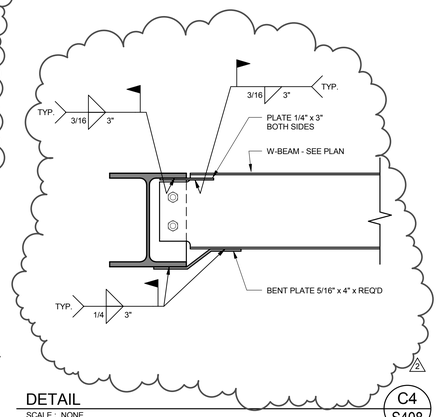
DETAIL C1/S408
SCALE : NONE



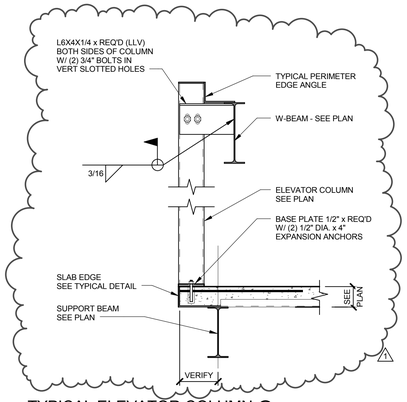
DETAIL C2/S408
SCALE : NONE



DETAIL C3/S408
SCALE : NONE



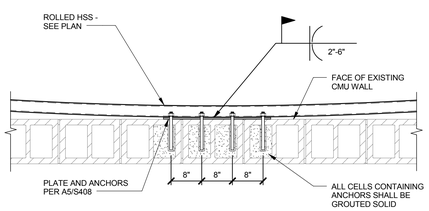
DETAIL C4/S408
SCALE : NONE



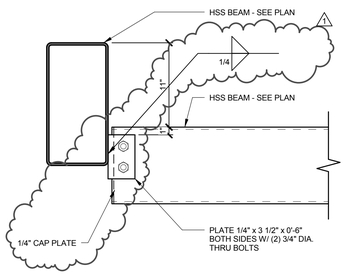
TYPICAL ELEVATOR COLUMN @
SUSPENDED SLAB

SCALE : NONE

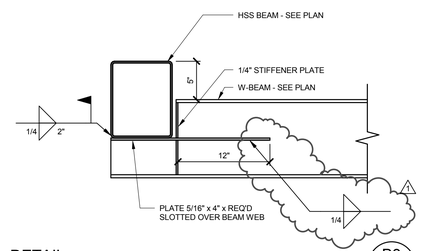
B5/S408



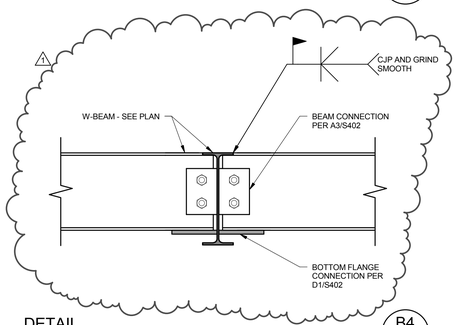
DETAIL B1/S408
SCALE : NONE



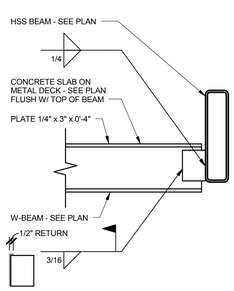
DETAIL B2/S408
SCALE : NONE



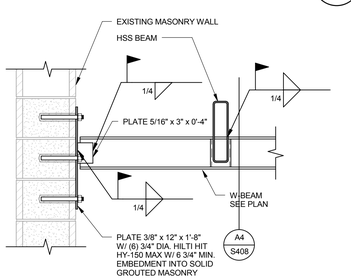
DETAIL B3/S408
SCALE : NONE



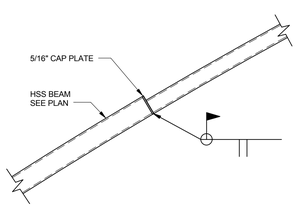
DETAIL B4/S408
SCALE : NONE



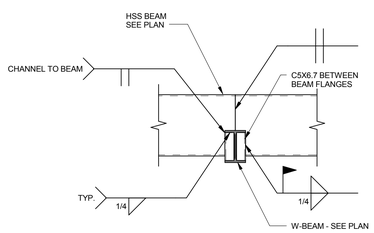
DETAIL A1/S408
SCALE : NONE



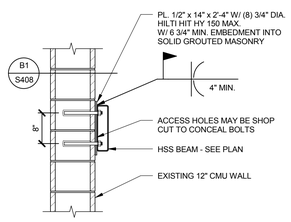
DETAIL A2/S408
SCALE : NONE



DETAIL A3/S408
SCALE : NONE



DETAIL A4/S408
SCALE : NONE



DETAIL A5/S408
SCALE : NONE

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

ARW ENGINEERS
structural consultants
15958 W. Park Dr. Ogden, Utah 84404
ph: 801.782.6008 fl: 801-782-6056

Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
1	10/12/2012	ADD #2
2	10/19/2012	ADD #3
3	10/24/2012	ADD #4

Job # 12475
CAD File
Drawn BLP Checked JLA
Date 10.03.2012
Owner # DFCM #12031810

DETAILS

S408

10/24/2012 1:06:58 PM

POWER SYSTEMS SYMBOL LIST

SYMBOL	DESCRIPTION
	DUPLEX CONVENIENCE OUTLET - 20 AMP
	DUPLEX CONVENIENCE OUTLET - 20 AMP GROUND FAULT INTERRUPTER
	4-PLEX CONVENIENCE OUTLET - 20 AMP
EWC	DUPLEX CONVENIENCE OUTLET - 20 AMP ELECTRIC WATER COOLER
	SPECIAL PURPOSE SINGLE PHASE OUTLET
	SPECIAL PURPOSE THREE PHASE OUTLET
J	JUNCTION BOX - SIZE AND FUNCTION AS REQUIRED
	PUSH BUTTON SWITCH
	NON FUSED DISCONNECT SWITCH - SIZE AS REQUIRED
	FUSED DISCONNECT SWITCH - SIZE AS REQUIRED
S	COMBINATION STARTER/FUSED DISCONNECT SWITCH - SIZE AS REQUIRED
	CIRCUIT BREAKER DISCONNECT - SIZE AS REQUIRED
	MOTOR LOCATION
ST	MANUAL DISCONNECT WITH THERMAL OVERLOAD PROTECTION
	ELECTRICAL PANEL LOCATION

FIRE ALARM SYSTEM SYMBOL LIST

SYMBOL	DESCRIPTION
S	SMOKE DETECTOR
SD	DUCT SMOKE DETECTOR
FS	FLOW SWITCH
TS	TAMPER SWITCH
	HORN STROBE
	STROBE ONLY
F	HAND PULL STATION
FACP	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
FSD	FIRE/SMOKE DAMPER
	FIRE FIGHTER PHONE

CALLOUT SYMBOL LIST

SYMBOL	DESCRIPTION
T-X X	LIGHTING FIXTURE CALLOUT NUMBER INDICATES A SUGGESTED QUANTITY- TO BE VERIFIED
XX-X	MECHANICAL EQUIPMENT CALLOUT
X E-XXX	DETAIL REFERENCE CALLOUT
X XXX	ELEVATION DETAIL CALLOUT
X XXX	SECTION DETAIL CALLOUT
X X	REFERENCE NOTE CALLOUT

ABBREVIATIONS SYMBOL LIST

SYMBOL	DESCRIPTION
W.P.	INDICATES WEATHER PROOF EQUIPMENT
E	INDICATES DEVICE IS ON EMERGENCY CIRCUIT.
CLG	INDICATES CEILING MOUNTED DEVICE
A.T.C.	AUTOMATIC TEMPERATURE CONTROL PANEL
M.M.C.	MULTI MEDIA CABINET
F.A.C.P.	FIRE ALARM CONTROL PANEL
F.A.R.A.P.	FIRE ALARM REMOTE ANNUNCIATOR PANEL
F.A.N.E.P.	FIRE ALARM NETWORK EXPANDER PANEL

LIGHTING SYSTEM SYMBOL LIST

SYMBOL	DESCRIPTION
J	LAY-IN FLUORESCENT FIXTURE
J	SURFACE MOUNTED FLUORESCENT FIXTURE
E	EMERGENCY LIGHTING
ENL	EMERGENCY NIGHT LIGHT
J	FLUORESCENT STRIP LIGHT FIXTURE
	RECESSED FIXTURE
	RECESSED WALL WASH LIGHT FIXTURE
	RECESSED MOUNTED LIGHT FIXTURE
	PENDANT MOUNTED LIGHT FIXTURE
	WALL MOUNTED FIXTURE
	SURFACE MOUNTED FIXTURE
	WALL SCONCE LIGHT FIXTURE
	EXIT LIGHT. ARROWS SHOW EXIT DIRECTION
	WALL MOUNTED CAN LIGHT FIXTURE
	WALL MOUNTED FLOOD LIGHT FIXTURE
	POLE LIGHT FIXTURE
$	SINGLE POLE TOGGLE SWITCH - 20 AMP
$3	THREE WAY TOGGLE SWITCH - 20 AMP
$a,b	SINGLE POLE TOGGLE SWITCH - 20 AMP, LETTERS INDICATE SWITCH ASSIGNMENT
D	DIMMER SWITCH
	WALL MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED OCCUPANCY SENSOR
T-X X	LIGHTING FIXTURE CALLOUT. NUMBER INDICATES A SUGGESTED QUANTITY- TO BE VERIFIED
P	POWER PACK
	PENDANT MOUNTED LIGHT FIXTURE 3

COMMUNICATION SYSTEMS SYMBOL LIST

SYMBOL	DESCRIPTION
	TELEPHONE TERMINAL BOARD
	PAGING PHONE OUTLET
	FLUSH TELE/DATA OUTLET
C	CLOCK LOCATION

GENERAL NOTES:

1. ALL MATERIALS TO BE REMOVED AND RETURNED TO THE OWNER. MATERIALS WHICH THE OWNER DECIDES NOT TO KEEP SHALL BE SALVAGED AND REMOVED FROM THE SITE BY THE CONTRACTOR.
2. ALL CONCEALED CONDUIT THAT CANNOT BE REMOVED SHALL BE CUT FLUSH WITH THE FINISH SURFACES AND CAPPED OFF AFTER THE WIRING HAS BEEN DISCONNECTED AT THE PANEL AND REMOVED FROM THE CONDUIT.
3. IN AREAS WHERE CIRCUIT CONTINUITY IS INTERRUPTED, BUT MUST BE MAINTAINED TO THE DEVICES WHICH ARE TO REMAIN, MAKE ALL THE NECESSARY MODIFICATIONS TO THE CIRCUITS IN ORDER TO MAINTAIN THE CIRCUIT INTEGRITY.
4. THE CONTRACTOR SHALL PATCH THE WALLS AND CEILINGS WHERE THE DEVICES ARE REMOVED TO MATCH THE EXISTING WALLS AND CEILINGS. COORDINATE WITH GENERAL CONTRACTOR.
5. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES.
6. THE COLOR OF THE LIGHT FIXTURES SHALL BE SELECTED BY THE ARCHITECT.
7. COORDINATE WITH THE OWNER AND ARCHITECT FOR THE EXACT LOCATION OF THE OUTLETS.
8. PRIOR TO SUBMITTING A BID THE ELECTRICAL CONTRACTOR SHALL INSPECT THE SITE AND INCLUDE IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS. SHOP DRAWINGS ARE REQUIRED. ALL LABOR, MATERIAL AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF 1 YEAR FROM THE DATE OF ACCEPTANCE BY THE TENANT. REPLACE OR REPAIR ALL DEFECTS DURING THE GUARANTEED PERIOD.
9. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES FOUND BETWEEN THE INTENDED FUNCTION OF EQUIPMENT AND EQUIPMENT SPECIFIED IN THE CONTRACT DOCUMENTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL BID. FAILURE TO REPORT ANY DISCREPANCY (CATALOG NUMBERS, DISCONTINUED ITEMS, ETC.) DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING EQUIPMENT WHICH SHALL CONFORM TO AND FULFILL THE INTENT OF THE CONTRACT DOCUMENTS, NOR SHALL IT BE USED AS A CONDITION TO OBTAIN ADDITIONAL FUNDS FROM THE OWNER AFTER THE CONTRACT IS AWARDED. THE CONTRACTOR SHALL REQUEST ALL CLARIFICATIONS OF CONTRACT DOCUMENT REQUIREMENTS IN WRITING TO THE ARCHITECT/ENGINEER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL BID.
10. REFER TO THE MECHANICAL SHEETS FOR THE EXACT LOCATION OF THE MECHANICAL EQUIPMENT.
11. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE MECHANICAL CONTRACTOR SO THAT NO PIPING, DUCTS, OR OTHER EQUIPMENT SHALL BE INSTALLED IN ENTRY OR PASS THROUGH ELECTRICAL ROOM OR SPACES ABOVE OR BELOW ELECTRICAL PANELS.
12. ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENT, ETC.) OF EQUIPMENT FURNISHED UNDER OTHER DIVISIONS WITH APPROVED SHOP DRAWINGS PRIOR TO BEGINNING ROUGH-IN.
13. MINIMUM SIZE OF CONDUIT TO BE 3/4". ALUMINUM CONDUITS SHALL NOT BE USED.
14. USE RIGID STEEL SET SCREW TYPE FITTINGS ONLY. DIE CAST FITTINGS SHALL NOT BE USED.
15. RUN A NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR (EACH CIRCUIT) IN A CONDUIT. NOT MORE THAN THREE (3) CIRCUITS IN A CONDUIT. THREE (3) PHASE CONDUCTORS, THREE (3) NEUTRAL CONDUCTORS (ONE FOR EACH PHASE) AND ONE (1) GROUND CONDUCTOR FOR A TOTAL OF SEVEN (7) CONDUCTORS.
16. FOR SPECIFICATION OF PULL WIRES IN EMPTY CONDUITS, REFER TO THE ELECTRICAL SPECIFICATION FOR RACEWAYS SECTION 16110.
17. THE MINIMUM SIZE OF THE CONDUCTORS ARE TO BE #12 AWG THHN COPPER, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
18. ALL J-BOXES SHALL HAVE MINIMUM DEPTH OF 2-1/8" UNLESS OTHERWISE SPECIFIED. SECURE ALL J-BOXES AS SHOWN IN THE DETAILS. FURNISH AND INSTALL PROPER MUD RINGS.
19. ALL NEW EXPOSED CONDUIT MUST RUN AGAINST THE WALLS OR CEILINGS. DO NOT PENDANT MOUNT ANY CONDUIT FROM THE CEILINGS.
20. ALL THE HOMERUNS MUST BE ACCESSIBLE IN THE CEILING PLENUM. DO NOT CARRY A HOMERUN FROM ONE DEVICE TO ANOTHER WHICH IS TIED TO A SEPARATE HOMERUN INSIDE THE WALL. MARK ON ALL THE J-BOXES THE CIRCUIT NAMES AND NUMBERS.
21. AT THE END OF THE JOB, PROVIDE BLANK COVER PLATES TO MATCH THE OTHER COVER PLATES FOR ALL J-BOXES WHERE DEVICES HAVE NOT YET BEEN INSTALLED.
22. SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS WITH FIRE RATED MATERIAL. 3M IS AN APPROVED MANUFACTURER.
23. ALL ELECTRICAL WIRING MUST BE IN CONDUIT (ROMEX AND MC CABLE NOT PERMITTED).
24. FLEXIBLE CONDUITS CAN ONLY BE USED FOR SHORT RUNS (6' MAXIMUM).
25. NO CONDUITS SHALL RUN IN DUCT WORK.
26. THE ELECTRICAL CONTRACTOR SHALL TERMINATE THE ELECTRICAL CONNECTIONS TO ALL THE EQUIPMENT BY PROVIDING THE NECESSARY MALE/FEMALE CONNECTOR, RECEPTACLE, PLUG, ETC.
27. USE NO. 10 THHN CONDUCTORS FOR CONDUCTOR LENGTH OVER 100 FEET, NO. 8 THHN OVER 200 FEET, NO. 6 THHN OVER 300 FEET AND NO. 4 THHN OVER 400 FEET LENGTH.
28. ALL CONDUITS EXPOSED TO THE WEATHER SHALL BE GALVANIZED RIGID STEEL, UNLESS OTHERWISE NOTED.
29. THE FIRST 10' LENGTH OF ALL BURIED CONDUIT OVER 1" SHALL BE RIGID GALVANIZED STEEL WHERE THEY ARE LEAVING OR ENTERING THE BUILDING, ETC.
30. ALL METALLIC CONDUITS, JOINTS, FITTINGS, ETC., IN CONTACT WITH THE GROUND SHALL BE RIGID METALLIC AND SPIRALLY WRAPPED WITH 3M SCOTCHRAP-51, 10 MIL TAPE (OR APPROVED EQUAL). 1/2" OVERLAP IS REQUIRED.
31. ALL UNDERGROUND CONDUIT SHALL BE BURIED 24" MINIMUM UNDER THE GROUND.
32. PROVIDE TYPED LABEL FOR ALL DUPLEX OUTLETS AND LIGHT SWITCHES TO INDICATE WHICH CIRCUIT THEY ARE TIED TO.
33. ALL DUPLEX OUTLETS SHALL BE 20 AMP., 120 VOLT SPEC GRADE. ALL LIGHT SWITCHES ARE TO BE 20 AMP., 277 VOLT SPEC GRADE. HUBBELL AND PASS & SEYMOUR AND LEVITON ARE APPROVED MANUFACTURERS.
34. LIGHT SWITCHES INSTALLED ADJACENT TO EACH OTHER, SHALL BE GANGED TOGETHER WITH ONE PIECE COVERPLATE.
35. INSTALL LIGHT SWITCHES AS CLOSE AS POSSIBLE TO THE DOOR. COORDINATE EXACT LOCATION OF LIGHT SWITCHES WITH ARCHITECT.
36. SUPPORT THE LAY-IN TYPE FIXTURES FROM THE CEILING DECK INDEPENDENT OF THE CEILING GRID, AS SHOWN ON THE TYPICAL RECESSED FIXTURE MOUNTING DETAIL.
37. INSTALL EXIT SIGNS ON THE WALL IF POSSIBLE.
38. ALL PANELBOARDS SHALL HAVE FULL SIZE ISOLATED NEUTRAL AND GROUND COPPER BUS BARS.
39. USE EPOXY ANCHORS TO SUPPORT THE ELECTRICAL EQUIPMENT. EXPANSION ANCHOR BOLTS ARE NOT ACCEPTED.
40. ALL PANELS SHALL HAVE COPPER BUSSES AND SHALL BE BRACED FOR A MINIMUM OF 10,000 AIC OR AS SPECIFIED.
41. SWITCHBOARDS AND PANELBOARDS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT. (NEC 110-16)
42. PROVIDE UPDATED, TYPED WRITTEN, PANEL SCHEDULES FOR NEW AND EXISTING PANELBOARDS SHOWING CIRCUIT CHANGES MADE DURING THIS PROJECT.
43. ALL DISCONNECTS, J-BOXES AND CONDUITS EXPOSED TO THE OUTSIDE WEATHER SHALL BE NON-CORROSIVE, WEATHER PROOF TYPE.
44. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
45. TO MINIMIZE NUMBER OF FALSE FIRE ALARM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP SMOKE DETECTORS IN AREAS ADJACENT TO WORK SITE WHILE DUST-GENERATING WORK IS PERFORMED. THESE CAPS SHALL BE REMOVED AT END OF WORKDAY. COORDINATE THE EXTENT OF DEVICE CAPPING REQUIRED WITH CAMPUS FIRE MARSHALL. A LOG SHALL BE KEPT SHOWING THAT ALL CAPS ARE REMOVED AND ACCOUNTED FOR.
46. IF, FOR ANY REASON FIRE ALARM SYSTEM CANNOT BE RETURNED TO SERVICE AT THE END OF WORK DAY THE CAMPUS FIRE MARSHALL MUST BE NOTIFIED. CONTRACTOR SHALL PROVIDE FIRE WATCH AT NO ADDITIONAL COST TO THE OWNER.
47. UPDATE THE BUILDING FIRE ALARM SCHEMATIC DRAWINGS TO SHOW LOCATIONS OF NEW AND EXISTING FIRE ALARM DEVICES CHANGED DURING THIS PROJECT. FIRE ALARM SYSTEM SHALL BE TESTED FOR PROPER OPERATION AT THE END OF THE PROJECT. ALL TESTS AND REPORTS SHALL BE COMPLIANT WITH NFPA 72 CHAPTER 7. COORDINATE TESTING WITH THE OWNER AND FIRE MARSHALL.
48. PAINT ALL THE J-BOXES FOR FIRE ALARM SYSTEM WITH RED PAINT. ALL THE CONDUIT FOR FIRE ALARM SYSTEM SHALL BE RED.
49. ALL NEW WORK MUST MEET THE CURRENT ADOPTED NATIONAL ELECTRICAL CODE.
50. ALL MATERIALS USED IN THIS INSTALLATION SHALL BE U.L. APPROVED AND NEW.
51. TEMPORARY ELECTRICAL SERVICE IS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR AND REMOVED BY THE ELECTRICAL CONTRACTOR.
52. DETAILS ARE SHOWN ON DIFFERENT SHEETS. THE CONTRACTOR SHALL REFER TO THOSE DETAILS WHETHER OR NOT CALLED IN REFERENCE NOTES.
53. CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE OVER SHOP DRAWINGS UNLESS SPECIFICALLY NOTED OTHERWISE.
54. ALL FLOORS SHALL BE SCANNED FOR NEW HOLES IN EXISTING CONCRETE SLABS WITH GROUND PENETRATING RADAR. METHOD OF PROCEDURE IS REQUIRED AND SHALL BE APPROVED BY STRUCTURAL ENGINEER PRIOR TO START OF CORE DRILLING.
55. ELECTRICAL CONTRACTOR SHALL HAVE PRE-CONSTRUCTION MEETING WITH ELECTRICAL SHOP SUPERVISOR. ELECTRICIANS SHALL HAVE AN UPDATED ELECTRICAL LICENSE FOR THE STATE OF UTAH.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

GENERAL NOTES AND SYMBOLS

EE-001

10/24/2012 12:08:52 PM

LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	LAMP/FIXTURE INFORMATION		APPROVED MANUFACTURERS	CATALOG NUMBER
T-1	2'X4' DECORATIVE LIGHT FIXTURE WITH STEP DIMMING BALLAST.	LAMP	2F28 T8	LITHONIA	2RT8S-2-32-MVOLT-BSNP
		VOLTAGE	277	LIGHTOLIER	OTS2GPR232-UNV-CK
		MOUNT		COLUMBIA	EPC24-232G-SH-BALLAST AS SPECTED
		COLOR		METALUX	2AC-2-32-UNV-HR8 DIM
		BALLAST		DAY-BRITE	2HVAG232-D-UNV-1/2-EBSD
T-2	2'X2' DECORATIVE LIGHT FIXTURE.	LAMP	2F14 T8	LITHONIA	2RT8S-2-17-MVOLT-GEB10PS
		VOLTAGE	277	LIGHTOLIER	OTS2GPR217-UNV-CK
		MOUNT		COLUMBIA	EPC22-217G-SH-BALLAST AS SPECTED
		COLOR		METALUX	2AC-2-17-UNV-ER81
		BALLAST		DAY-BRITE	2HVAG217-D-UNV-1/2-EB10R
T-3	PENDANT MOUNTED INDIRECT LIGHT FIXTURE WITH STEP DIMMING BALLAST. LENGTH AS SHOWN ON THE PLANS.	LAMP	2F28 T8 PER 4'	LEDALITE	7406-T02-Q-N-*-**-UNV-E-W
		VOLTAGE	277	PINNACLE	LW8A-2T8-XX-AC48G1-UNV-1D-W
		MOUNT		AXIS	CU-S-4-T8-2-W-0-*-UNV-T-1-C-CT#
		COLOR		PRUDENTIAL	PRU15-SQ-2T8-04-PRA-TMW-D1-SC-UNV-XX
		BALLAST		FINELITE	S16DCO-X-2-T8-SC-91W OPEN-UNV-EBSD-FA-FE-CX
T-4	4' STRIP LIGHT FIXTURE HUNG BY CHAIN AND WIRE GUARD.	LAMP	2F28 T8	LITHONIA	Z-2-32-MVOLT-GEB10PS-WGZ48
		VOLTAGE	277	LIGHTOLIER	SW4S232HPF-UNV-CK W/ AWG3W CSP
		MOUNT		COLUMBIA	CH4-232-EPU / CHWG4 / CSHC
		COLOR		METALUX	SSF-2-32-UNV-ER81-WG/SSF-4FT-AYC-CHAIN/SET
		BALLAST		DAY-BRITE	T232-UNV-1/2-EB10R
T-5	6" LED RECESSED CAN LIGHT FIXTURE WITH 0-10V. DIMMING CAPABILITY.	LAMP	INCLUDED	LUMI	ARV13-22W-L-3500K-277-FP-SCBA
		VOLTAGE	277	GOTHAM	ALED 35/10 6AR MVOLT
		MOUNT		LIGHTOLIER	C6L1520DL35KWCCLW W/ C6L15N2
		COLOR		PRESCOLITE	LF6LED - 6LFLED535K
		BALLAST		PORTFOLIO	LD6-10-D010-ERM6-835-6LM1-LI
				OMEGA	OM6LED27277-R6LED35KMDCSS
T-6	LARGE DECORATIVE PENDANT MOUNTED LIGHT FIXTURE. WITH SCREW-IN SELF-BALLASTED COMPACT FLUORESCENT LAMP.	LAMP	100W SBCF	LOUIS POULSEN	LPC-1/500W/PS-35/CL MOGL-277V-WHT
		VOLTAGE	277		
		MOUNT			
		COLOR			
		BALLAST			
T-7	SEMI RECESSED LED LIGHT FIXTURE. 1000 LUMENS.	LAMP	INCLUDED	LOUIS POULSEN	BAL 17W LED/3000K-120/277-WHT
		VOLTAGE	277	WILA LIGHTING	610 553-80-ZSH5
		MOUNT		LIGHTOLIER	
		COLOR			
		BALLAST			
T-8	6" LED RECESSED CAN LIGHT FIXTURE. COLOR OF THE CONE BY ARCHITECT. 1400 LUMENS.	LAMP	INCLUDED	GOTHAM	ALED-35/14-6AR-MVOLT
		VOLTAGE	277	LIGHTOLIER	C6L1520DL35KWCCLW W/ C6L15N2
		MOUNT		PRESCOLITE	LF6LED - 6LFLED735K
		COLOR		PORTFOLIO	LD6-10-D010-ERM6-835-6LM1-LI
		BALLAST		OMEGA	OM6LED27277-R6LED35KMD-SCBA
T-9	LED RECESSED SHOWER LIGHT FIXTURE. 900 LUMENS.	LAMP	INCLUDED	GOTHAM	ALED-35/10-6AR-MVOLT
		VOLTAGE	277	LIGHTOLIER	C6L1520DL35KCCLW W/ C6L15N2
		MOUNT		PORTFOLIO	LD6-15-D010-ERM6-835-6LM1-LI
		COLOR		CAPRI	CM6-1117F/835/U-H65SWR
		BALLAST			
T-10	4" WIDE LINEAR RECESSED FLUORESCENT LIGHT FIXTURE WITH OPAL LENS. LENGTH AS SHOWN ON THE DRAWINGS. ALUMINUM HOUSING.	LAMP	2F28 T8 PER 4'	ARCHITECTURAL	LPLR3.5T-TGRID-*-2-FSO-R-LSTD-UNV-EXT-WH
		VOLTAGE	277	PINNACLE	E4A-2T8-XX-G1-UNV-1C-W
		MOUNT		AXIS	BBR-F-FL-4-EX4-T8-2-W-UNV-ERS(.78BF)-1-TB15
		COLOR		PRUDENTIAL	P43-2T8-04'-SAL-TMW-D1-SC-UNV-X7
		BALLAST		BIRCHWOOD	JAK325-2-9L-T8-CR-FW-277-EB
T-11	3"x3" PENDANT MOUNTED INDIRECT LIGHT FIXTURE. LENGTH AS SHOWN.	LAMP	2F28 T8/4 FT	LITECONTROL	P-I-02-1*T5-CWM-ELB10-UNV-FAI/ACC
		VOLTAGE	277	PRUDENTIAL	P40-04'-SAL-TMW-D2-SC-UNV-CA144-XX
		MOUNT		BIRCHWOOD	KEL325-2-T8-CR-SC-FC-277-EB-CSS-IND-36-G-STND
		COLOR		PINNACLE	
		BALLAST			
T-12	SURFACE MOUNTED LED CYLINDER LIGHT FIXTURE. COLOR OF CONE BY ARCHITECT. 3500 LUMENS. 10" HEIGHT.	LAMP	INCLUDED	GOTHAM	ICO-CYL 35/35 6AR ** 277 FCM DWHG
		VOLTAGE	277	LIGHTOLIER	C7L20CW35KWCCLU
		MOUNT	SURFACE	PMC	6LECHP-2800-S-NW-1-D-U-SCBA-W
		COLOR			
		BALLAST			
T-13	SMALL DECORATIVE PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE	LAMP	26W CFL	LOUIS POULSEN	MP-18/CF-277-WHT-GLASS
		VOLTAGE		DELRAY	
		MOUNT	PENDANT	PATHWAY	
		COLOR		WINONA	
		BALLAST		BETA	
T-14	2'X4' FLUORESCENT LAY-IN LIGHT FIXTURE WITH .125 PRISMATIC LENS AND REGRESSED DOOR.	LAMP	2F28 T8	LITHONIA	2SP8 G 2 32 RA125 MVOLT GEB10PS
		VOLTAGE	277	LIGHTOLIER	XP2GVI232-UNV-CK
		MOUNT	LAY-IN	COLUMBIA	ST824-232G-RAA12125-BALLAST AS SPECTED
		COLOR		METALUX	2GC8-RA-2-32-A125-UNV-ER81
		BALLAST		DAY-BRITE	2SPG232-RA21-UNV-1/2-EB10R
T-15	SMALL DECORATIVE PENDANT MOUNTED LIGHT FIXTURE WITH PERFORATED REFLECTOR OVER THEM.	LAMP	32W CFL	DELRAY	2072/*/0/32/2/E
		VOLTAGE		BETA	44 0940 SCBA 277V
		MOUNT	PENDANT	LOUIS POULSEN	ALB-MAX-P-277-WHT-CORD
		COLOR		PATHWAY	P3AW1UTE4SW
		BALLAST		WINONA	
T-16	POLE MOUNTED LIGHT FIXTURE WITH SCREW IN COMPACT FLUORESCENT TO MATCH CAMPUS STANDARD.	LAMP	INCLUDED	KIM	PT/SRS1F3/150NC120
		VOLTAGE	277		
		MOUNT	SURFACE		
		COLOR			
		BALLAST			
T-17	6" RECESSED LED WALL WASH LIGHT FIXTURE. 1400 LUMENS.	LAMP	INCLUDED	GOTHAM	ALEDW 35/14 6AR MVOLT
		VOLTAGE	277	LIGHTOLIER	C6L1520LW35KWCCLW W/ C6L15N2
		MOUNT		PRESCOLITE	LF6LEDWW - 6LFLED735KWW
		COLOR		PORTFOLIO	LD6-15-D010-ERM6-835-6LM111-LI
		BALLAST		OMEGA	OM6LED27277-R6LEDWWCSS
T-18	RECESSED 2" LED CAN LIGHT FIXTURE WITH DROPPED OPAL GLASS REFLECTOR. 6 WATTS.	LAMP	INCLUDED	LOUIS POULSEN	BAL-MIC-WHT-277
		VOLTAGE	277	LIGHTOLIER	C2L04DL30K17R1 W/ CA2DF2 W/ C2LMP
		MOUNT	SEMI-RECES.	BRUCK	138060MC/WH
		COLOR			
		BALLAST			
T-19	6" RECESSED SQUARE LED DOWNLIGHT FIXTURE WITH SCREW IN PAR 30 LED LAMP. COLOR OF CONE BY ARCHITECT.	LAMP	INCLUDED	GOTHAM	SQP 6AR
		VOLTAGE	277	KURT VERSON	
		MOUNT	RECESSED	KIRLIN	IRS-06115
		COLOR		OMEGA	OM6LED27SQ277-R6LED35KSQCSS
		BALLAST			
T-20	PENDANT MOUNTED DIRECT AND INDIRECT FLUORESCENT AND LED PAR DOWN LIGHT FIXTURE. LENGTH AS SHOWN. LED PAR LAMPS TO BE DIMMABLE.	LAMP	2F32 T8/FT PAR 30 LED	ARCHITECTURAL LIGHTING WORKS	LP11-10-I2-120-PAR30/G2T5LENS/PAR30/PAR30/G2T5LENS/PAR30/AL
		VOLTAGE	120	ENERGIE	T200-IND-2T528-120/T200-PAR1
		MOUNT		GAMMALUX	GB45B-1/154T5
		COLOR			
		BALLAST			
T-21	SAME AS T-7 EXCEPT DIMMABLE 0-10V.	LAMP		LOUIS POULSON	BAL 17W LED/3000K-120/277-WHT
		VOLTAGE		WILA LIGHTING	610 553-80-ZSH5-BDIM
		MOUNT		PINNACLE	
		COLOR			
		BALLAST			
T-22	SAME AS T-3 EXCEPT WITH SELF DIMMING BALLASTS AND SELF CONTAINED PHOTO SENSOR FOR EACH FIXTURE.	LAMP		LEDALITE	7406-T02-Q-N-*-7-UNV-E-W-DS
		VOLTAGE		PINNACLE	LW8A-2T8-XX-AC48G1-UNV-1D-W
		MOUNT		AXIS	CU-S-4-T8-2-W-UNV-D-1-C-CT#-OS*
		COLOR		PRUDENTIAL	PRU15-SQ-2T8-04-PRA-TMW-D1-SC-UNV-XX-DM-B_-DLH
		BALLAST		FINELITE	S16DCO-X-2-T8-SC-91W OP-UNV-EBD-FA-FE-CX-OBO
T-23	EXTERIOR LINEAR LED LIGHT FIXTURE WITH 12" ARM UP LIGHT. WATER PROOF EXTRUDED ALUMINUM HOUSING. LENGTH AS SHOWN ON THE PLAN. 1.6" DIAMETER, 277V. REMOTE DRIVER. COLOR BY ARCHITECT.	LAMP	INCLUDED	SPI LIGHTING	SEWS-051-L48W-135K-SMB-24VOC-LBK012-PS
		VOLTAGE		LITHONIA	LRP 1 GMR ** 120/277 EL N
		MOUNT		BEGHELLI	SMLED-IP65-*-WT32
		COLOR			
		BALLAST			
T-24	RECESSED 1" DIAMETER OUTDOOR LED LIGHT FIXTURE WITH REMOTE DRIVER. STAINLESS STEEL COVER PLATE.	LAMP	INCLUDED	ACCLAIM	
		VOLTAGE	277	SYSTEMLUX	S.3240*/S.3402
		MOUNT	RECESSED	GHIDINI	
		COLOR			
		BALLAST			
T-25	4' SURFACE MOUNTED FLUORESCENT VANDAL PROOF LIGHT FIXTURE WITH POLYCARBONATE LENS.	LAMP	2F28 T8	KENNAL	RHL7-48-SCBA-PP-2F32T8-EB1-277
		VOLTAGE	277	WIDELITE	PA-0-2-28
		MOUNT	SURFACE		
		COLOR			
		BALLAST			
EX-1	LED EDGE LITE EXIT SIGN WITH NICAD BATTERY AND RECESSED HARDWARE.	LAMP	INCLUDED	LITHONIA	LRP-2-GMR-**-120/277-EL-N
		VOLTAGE	277	LIGHTOLIER	LLNUGW
		MOUNT		DUAL-LITE	LE*SGNE-M
		COLOR		SURE-LITES	ELX7-2-70-00-G-XX-X
		BALLAST		CHLORDE	ER4SVXL/HWCC
EX-2	SAME AS EX-1 EXCEPT DOUBLE SIDED	LAMP	INCLUDED	LITHONIA	
		VOLTAGE	277	LIGHTOLIER	
		MOUNT		DUAL-LITE	
		COLOR		SURE-LITES	
		BALLAST			
EX-3	LED THERMOPLASTIC EXIT SIGN WITH NICAD BATTERY	LAMP	INCLUDED	LITHONIA	
		VOLTAGE	277	LIGHTOLIER	
		MOUNT		DUAL-LITE	
		COLOR		SURE-LITES	
		BALLAST			

NOTES:

1. ALL FLUORESCENT LIGHTS SHALL HAVE ELECTRONIC PROGRAMMABLE START BALLASTS, .78 BF. UNIVERSAL, ADVANCE AND SYLVANIA ARE APPROVED MANUFACTURERS. BALLASTS TO HAVE 5 YEAR WARRANTY.
2. ALL FLUORESCENT LAMPS SHALL HAVE 4100° COLOR TEMPERATURE.
3. FIELD VERIFY ALL LIGHTING VOLTAGES PRIOR TO PLACING ANY ORDER.
4. THE WRITTEN CRITERIA OF THE FIXTURE DESCRIPTION TAKES PRECEDENCE OVER THE CATALOG NUMBER.
5. ALL LED LIGHT FIXTURES ARE TO HAVE A 5 YEAR PARTS AND LABOR WARRANTY.
6. ALL SCREW-IN LED LAMPS SHALL HAVE 50,000 HOURS LIFE.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

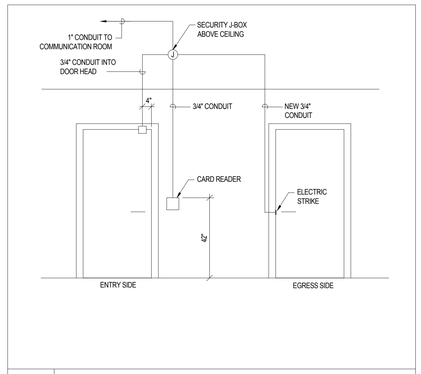
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LIGHT FIXTURE SCHEDULE

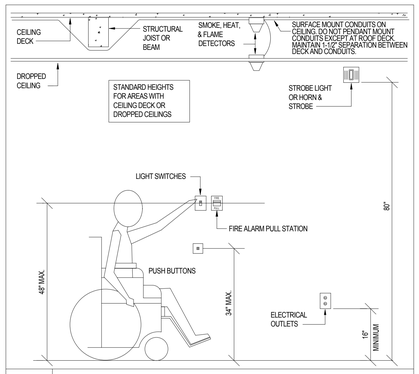
EE-002

10/24/2012 12:08:52 PM



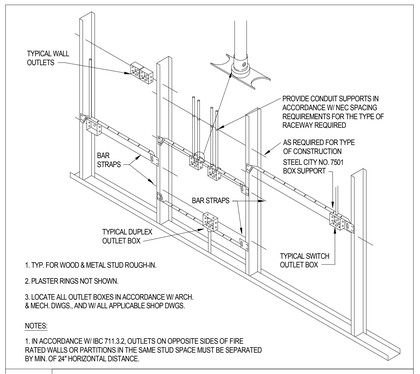
SCALE: N.T.S.

TYPICAL SECURITY DOOR WIRING DIAGRAM



SCALE: N.T.S.

STANDARD HEIGHTS FOR HANDICAPPED ACCESS



1. TYP. FOR WOOD & METAL STUD ROUGH-IN.

2. PLASTER RINGS NOT SHOWN.

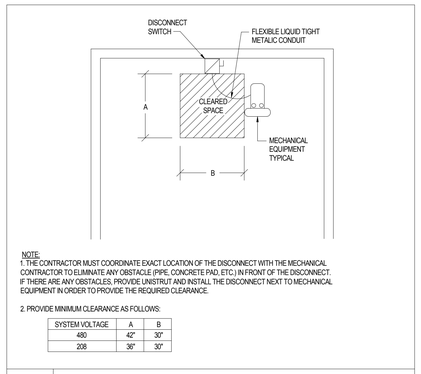
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE W/ ARCH. & MECH. DWGS., AND W/ ALL APPLICABLE SHOP DWGS.

NOTES:

1. IN ACCORDANCE W/ IBC 711.3.2, OUTLETS ON OPPOSITE SIDES OF FIRE RATED WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY MIN. OF 24" HORIZONTAL DISTANCE.

SCALE: N.T.S.

TYPICAL ROUGH-IN REQUIREMENTS DETAIL



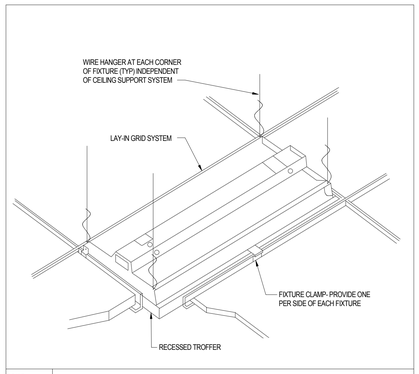
NOTE:
1. THE CONTRACTOR MUST COORDINATE EXACT LOCATION OF THE DISCONNECT WITH THE MECHANICAL CONTRACTOR TO ELIMINATE ANY OBSTACLE (PIPE, CONCRETE PAD, ETC.) IN FRONT OF THE DISCONNECT. IF THERE ARE ANY OBSTACLES, PROVIDE UNISTRUT AND INSTALL THE DISCONNECT NEXT TO MECHANICAL EQUIPMENT IN ORDER TO PROVIDE THE REQUIRED CLEARANCE.

2. PROVIDE MINIMUM CLEARANCE AS FOLLOWS:

SYSTEM VOLTAGE	A	B
480	42"	30"
208	36"	30"

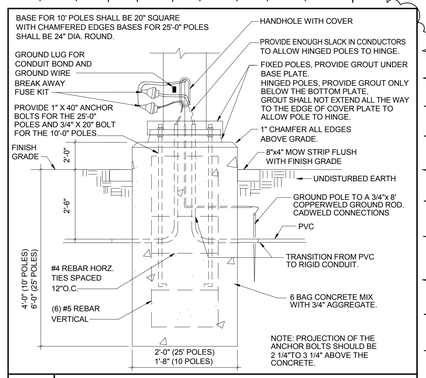
SCALE: N.T.S.

TYPICAL DISCONNECT CLEARANCE REQUIREMENTS



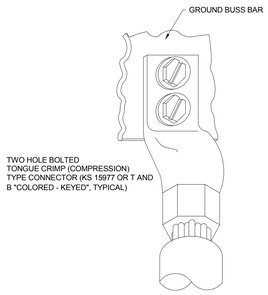
SCALE: N.T.S.

TYPICAL RECESSED FIXTURE MOUNTING DETAIL



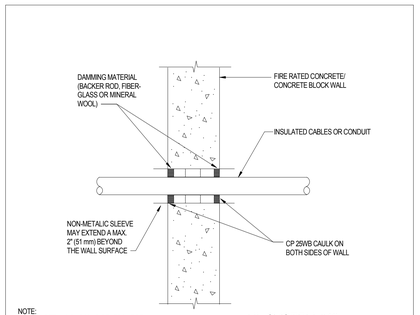
SCALE: N.T.S.

POLE BASE DETAIL



SCALE: N.T.S.

CRIMP TYPE CONNECTORS DETAIL

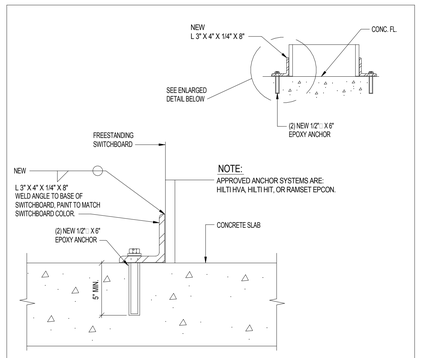


NOTE:
TYPICAL DETAILS SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURER'S INSTRUCTIONS.

UL SYSTEM #49

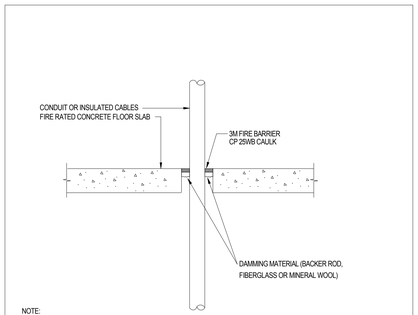
SCALE: N.T.S.

TYPICAL FIRESTOP FOR CABLES/ CONDUIT THROUGH CONCRETE WALLS



SCALE: N.T.S.

SWITCHBOARD SEISMIC BRACING DETAIL

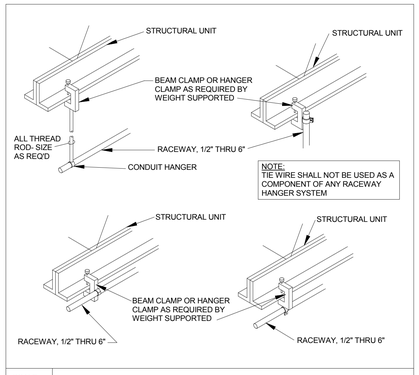


NOTE:
TYPICAL DETAILS SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURER'S INSTRUCTIONS.

UL SYSTEM #49

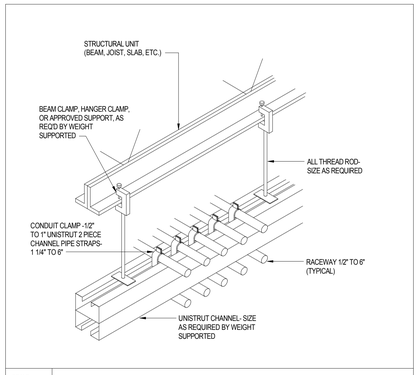
SCALE: N.T.S.

TYPICAL FIRESTOP FOR CABLES/ CONDUIT THROUGH CONCRETE FLOORING



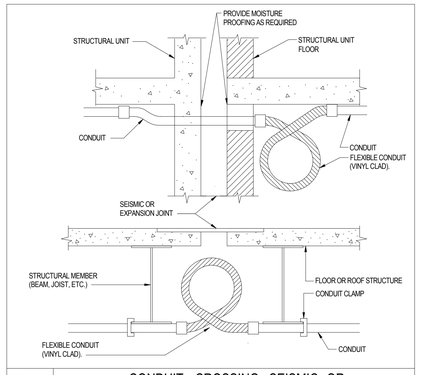
SCALE: N.T.S.

TYPICAL RACEWAY SUPPORT METHODS DETAIL



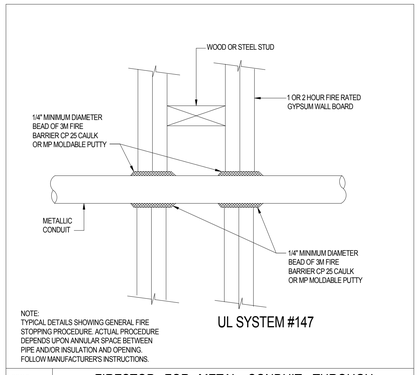
SCALE: N.T.S.

TYPICAL CONDUIT RACK DETAIL



SCALE: N.T.S.

CONDUIT CROSSING SEISMIC OR EXPANSION JOINT DETAIL

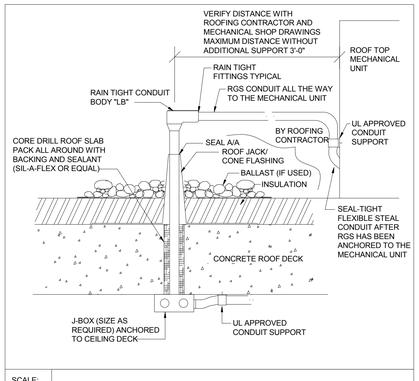


NOTE:
TYPICAL DETAILS SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURER'S INSTRUCTIONS.

UL SYSTEM #147

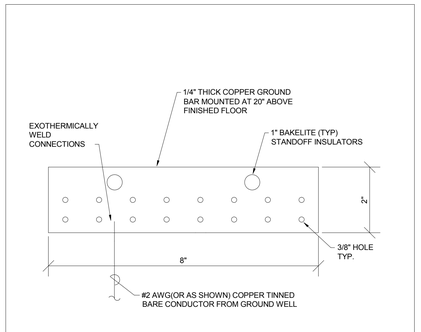
SCALE: N.T.S.

FIRESTOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD



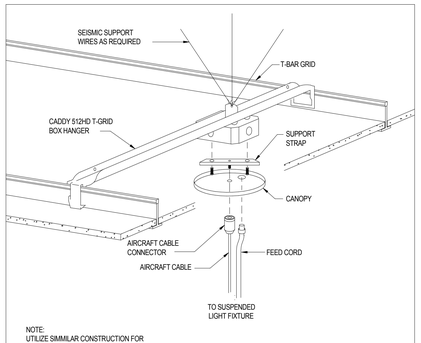
SCALE: N.T.S.

CONDUIT ROOF PENETRATION



SCALE: N.T.S.

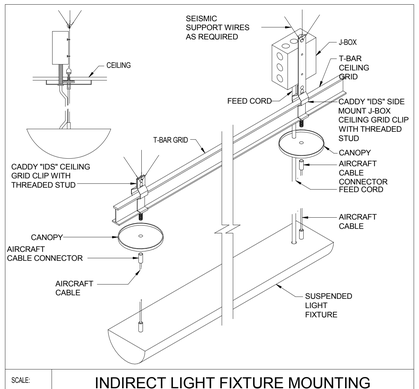
T.T.B. COPPER GROUND BUS BAR



NOTE:
UTILIZE SIMMILAR CONSTRUCTION FOR NON-POWER FEED.

SCALE: N.T.S.

INDIRECT LIGHT FIXTURE MOUNTING DETAIL



SCALE: N.T.S.

INDIRECT LIGHT FIXTURE MOUNTING DETAIL (GRID MOUNTED)

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

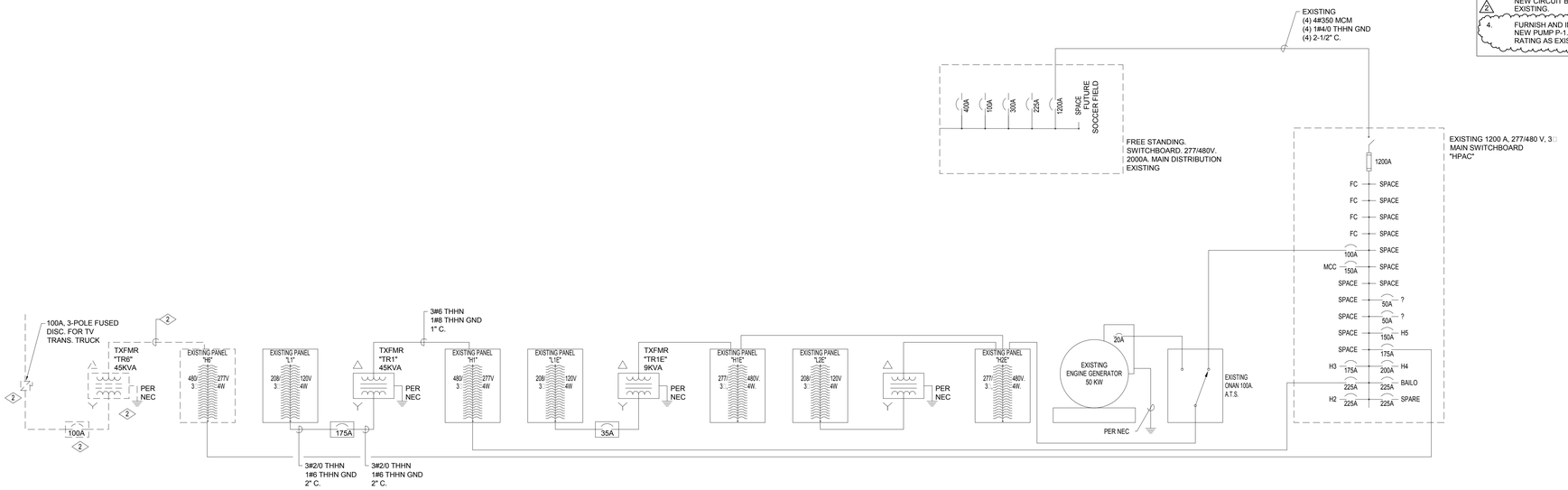
DETAILS

EE-003

10/24/2012 12:08:53 PM

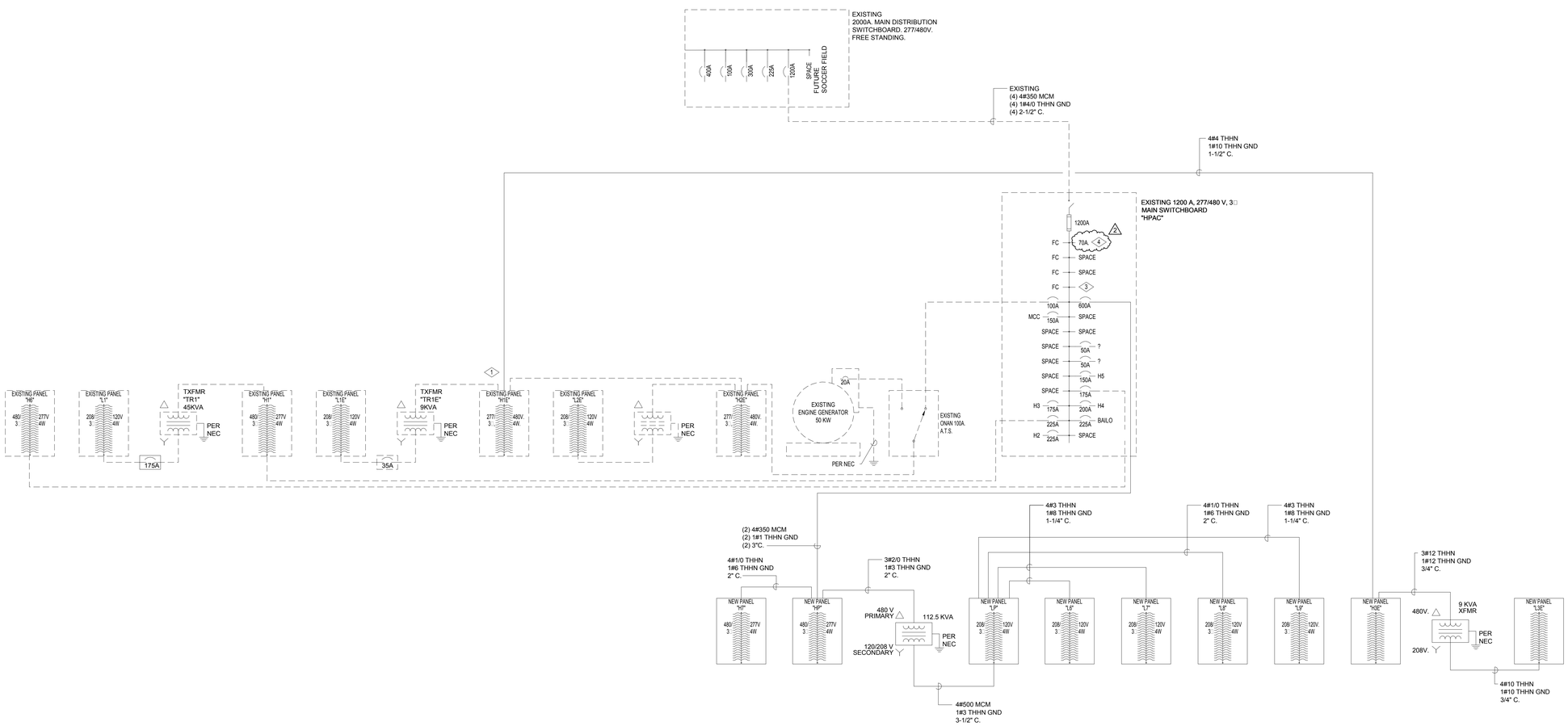
REFERENCE NOTES:

1. PROVIDE SUBFEED LUGS TO FEED POWER TO NEW PANEL "H3E".
2. REMOVE EXISTING 45KVA TRANSFORMER, DISCONNECT, CIRCUIT BREAKER, ASSOCIATED CONDUIT AND CONDUCTORS.
3. FURNISH AND INSTALL A 600 AMP 3 POLE CIRCUIT BREAKER. NEW CIRCUIT BREAKER SHALL HAVE THE SAME AIC RATING AS EXISTING. (2)
4. FURNISH AND INSTALL A 70 AMP, 3 POLE CIRCUIT BREAKER FOR NEW PUMP P-1. NEW CIRCUIT BREAKER TO HAVE THE SAME AIC RATING AS EXISTING.



EXISTING POWER SINGLE LINE DIAGRAM

SCALE: N.T.S.



NEW PARTIAL POWER SINGLE LINE DIAGRAM

SCALE: N.T.S.

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

POWER SINGLE LINE DIAGRAM

EE-004

10/24/2012 12:08:53 PM

Branch Panel: HP

Location: MECHANICAL 150 **Volts:** 480/277 Wye **A.I.C. Rating:**
Supply From: **Phases:** 3 **Mains Type:**
Mounting: **Wires:** 4 **Mains Rating:** 600 A
Enclosure: **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	ELEVATOR	175 A	3	20400 VA	30075 VA					3	175 A	PANEL LP	2
3	--	--	--			20400 VA	35178 VA			--	--	--	4
5	--	--	--					20400 VA	31894 VA	--	--	--	6
7	PANEL H7	150 A	3	10522 VA	5500 VA					3	35 A	SF-1	8
9	--	--	--			10076 VA	5500 VA			--	--	--	10
11	--	--	--					9665 VA	5500 VA	--	--	--	12
13	WH-2	140 A	3	30000 VA	5500 VA					3	35 A	SF-2	14
15	--	--	--			30000 VA	5500 VA			--	--	--	16
17	--	--	--					30000 VA	5500 VA	--	--	--	18
19	WH-1	140 A	3	30000 VA	5500 VA					3	35 A	SF-3	20
21	--	--	--			30000 VA	5500 VA			--	--	--	22
23	--	--	--					30000 VA	5500 VA	--	--	--	24
25	SPARE	20 A	3	0 VA	5500 VA					3	35 A	SF-4	26
27	--	--	--			0 VA	5500 VA			--	--	--	28
29	--	--	--					0 VA	5500 VA	--	--	--	30
31	RF-1	30 A	3	3700 VA	1667 VA					3	30 A	RF-2	32
33	--	--	--			3700 VA	1667 VA			--	--	--	34
35	--	--	--					3700 VA	1667 VA	--	--	--	36
37	SPARE	150 A	3	0 VA	0 VA					3	30 A	SPARE	38
39	--	--	--			0 VA	0 VA			--	--	--	40
41	--	--	--					0 VA	0 VA	--	--	--	42
			Total Load:	148364 VA		153021 VA		149326 VA					
			Total Amps:	536 A		553 A		540 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	276528 VA	100.00%	276528 VA		
Lighting	17040 VA	125.00%	21300 VA	**Total Conn. Load:**	450710 VA
Motor	500 VA	100.00%	500 VA	**Total Est. Demand:**	423160 VA
Other	21322 VA	100.00%	21322 VA	**Total Conn.:**	542 A
Power	61700 VA	100.00%	61700 VA	**Total Est. Demand:**	509 A
Outlet	73620 VA	56.79%	41810 VA		

Notes:

Branch Panel: H7

Location: MECHANICAL 150 **Volts:** 480/277 Wye **A.I.C. Rating:**
Supply From: HP **Phases:** 3 **Mains Type:**
Mounting: **Wires:** 4 **Mains Rating:** 200 A
Enclosure:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	2
3	Lobby 102 LTG.	20 A	1			916	3500			1	20 A	WH-3	4
5	STOR / MAINT 209 LTG.	20 A	1					1632	2722	1	20 A	Room 103A, 101 A-H, 103B LTG.	6
7	Exterior Overhang LTG.	20 A	1	2898	3500					1	20 A	WH-4	8
9	Spare	20 A	1			0 VA	160			1	20 A	Lighting	10
11	200B,C LTG.	20 A	1					1400	3761	1	20 A	206, 207, 202 LTG.	12
13	100, 200 D LTG.	20 A	1	4124	0 VA					1	20 A	Spare	14
15	Exterior LTG	20 A	1			2000	3500			1	20 A	HVAC	16
17	Spare	20 A	1					0 VA	150	1	20 A	SIGN LTG.	18
19	Spare	20 A	1	0 VA	0 VA					3	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			--	--	--	22
23	SPARE	20 A	1					0 VA	0 VA	--	--	--	24
25	SPARE	20 A	1	0 VA	0 VA					--	--	SPACE	26
27	SPARE	20 A	1			0 VA	0 VA			--	--	SPACE	28
29	SPARE	20 A	1					0 VA	0 VA	--	--	SPACE	30
31	SPARE	20 A	1	0 VA	0 VA					--	--	SPACE	32
33	SPARE	20 A	1			0 VA	0 VA			--	--	SPACE	34
35	SPARE	20 A	1					0 VA	0 VA	--	--	SPACE	36
37	SPARE	30 A	3	0 VA	0 VA					--	--	SPACE	38
39	--	--	--			0 VA	0 VA			--	--	SPACE	40
41	--	--	--					0 VA	0 VA	--	--	SPACE	42
			Total Load:	10522 VA		10076 VA		9665 VA					
			Total Amps:	38 A		37 A		35 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	10500 VA	100.00%	10500 VA		
Lighting	16865 VA	125.00%	21081 VA	**Total Conn. Load:**	30263 VA
Other	2898 VA	100.00%	2898 VA	**Total Est. Demand:**	34479 VA
				Total Conn.:	36 A
				Total Est. Demand:	41 A

Notes:

Branch Panel: L6

Location: MECHANICAL 150 **Volts:** 120/208 Wye **A.I.C. Rating:**
Supply From: LP **Phases:** 3 **Mains Type:**
Mounting: **Wires:** 4 **Mains Rating:** 100 A
Enclosure: **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	2
3	Spare	20 A	1			0 VA	1000			1	20 A	Fitness Studio B 203 Ceiling Fan	4
5	Spare	20 A	1					0 VA	1000	1	20 A	Fitness Studio B 203 Ceiling Fan	6
7	Spare	20 A	1	0 VA	180					1	20 A	UH-1	8
9	Spare	20 A	1			0 VA	180			1	20 A	CUH-1	10
11	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	12
13	Spare	20 A	1	0 VA	900					1	20 A	WOMENS LOCKER/SHOWERS 104	14
15	Spare	20 A	1			0 VA	180			1	20 A	CIRCULATION 100	16
17	Spare	20 A	1					0 VA	720	1	20 A	CIRCULATION 100 / STAIRS 299B	18
19	Spare	20 A	1	0 VA	720					1	20 A	ROOMS 106, 105, 106A	20
21	LOBBY 002	20 A	1			180	0 VA			1	20 A	Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	24
25	Outlet MAINTENANCE 005	20 A	1	540	0 VA					1	20 A	Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28
29	LOBBY 002 / MAINTENANCE 005	20 A	1					720	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	HAND DRYER WOMENS LOCKER 207	20 A	1			1000	1000			1	20 A	HAND DRYER WOMENS LOCKER 207	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
			Total Load:	2340 VA		3540 VA		2440 VA					
			Total Amps:	20 A		30 A		20 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	360 VA	100.00%	360 VA		
Other	4000 VA	100.00%	4000 VA	**Total Conn. Load:**	8320 VA
Outlet	3960 VA	100.00%	3960 VA	**Total Est. Demand:**	8320 VA
				Total Conn.:	23 A
				Total Est. Demand:	23 A

Notes:

Branch Panel: L7

Location: MECHANICAL 150 **Volts:** 120/208 Wye **A.I.C. Rating:**
Supply From: LP **Phases:** 3 **Mains Type:**
Mounting: **Wires:** 4 **Mains Rating:** 100 A
Enclosure: **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	MAINTENANCE 005	20 A	1	360	728					2	30 A	MAINTENANCE 005	2
3	STAIRS 099B	20 A	1			540	728			--	--	--	4
5	Spare	20 A	1					0 VA	1080	1	20 A	MENS LOCKER/SHOWER 103	6
7	Outlet	20 A	1	900	180					1	20 A	Outlet STORAGE 103B	8
9	Outlet	20 A	1			720	180			1	20 A	Outlet STUDIO STORAGE 106A	10
11	MECHANICAL 091 / STAIRS 099B	20 A	1					720	180	1	20 A	Outlet	12
13	Cardio Equipment	20 A	1	1000	1000					1	20 A	Cardio Equipment	14
15	Outlet	20 A	1			540	1000			1	20 A	Cardio Equipment	16
17	Outlet	20 A	1					360	540	1	20 A	Outlet	18
19	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	20
21	Outlet LOBBY 102	20 A	1			180	0 VA			1	20 A	Spare	22
23	HAND DRYER MENS LOCKER 206	20 A	1					1000	0 VA	1	20 A	Spare	24
25	Outlet MEN'S LOCKER/SHOWER 206	20 A	1	180	360					1	20 A	Outlet	26
27	Outlet MEN'S LOCKER/SHOWER 206	20 A	1			180	180			1	20 A	Outlet MEN'S LOCKER/SHOWER 206	28
29	Outlet WOMENS LOCKER/SHOWER 207	20 A	1					180	180	1	20 A	Outlet WOMENS LOCKER/SHOWER 207	30
31	Motor	20 A	1	500	180					1	20 A	Outlet WOMENS LOCKER/SHOWER 207	32
33	Spare	20 A	1			0 VA	180			1	20 A	Outlet	34
35	Spare	20 A	1					0 VA	1000	1	20 A	HAND DRYER MENS LOCKER 206	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
			Total Load:	5388 VA		4428 VA		5240 VA					
			Total Amps:	46 A		37 A		45 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	500 VA	100.00%	500 VA		
Other	3456 VA	100.00%	3456 VA	**Total Conn. Load:**	15056 VA
Outlet	11100 VA	95.05%	10550 VA	**Total Est. Demand:**	14506 VA
				Total Conn.:	42 A
				Total Est. Demand:	40 A

Notes:

Branch Panel: L8

Location: MECHANICAL 150 **Volts:** 120/208 Wye **A.I.C. Rating:**
Supply From: LP **Phases:** 3 **Mains Type:**
Mounting: **Wires:** 4 **Mains Rating:** 225 A
Enclosure: **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Treadmill	20 A	1	1000	1000					1	20 A	Cardio Equipment	2
3	Treadmill	20 A	1			1000	1000			1	20 A	Cardio Equipment	4
5	Treadmill	20 A	1					1000	1000	1	20 A	Cardio Equipment	6
7	Treadmill	20 A	1	1000	1000					1	20 A	Cardio Equipment	8
9	Treadmill	20 A	1			1000	1000			1	20 A	Cardio Equipment	10
11	Treadmill	20 A	1					1000	1000	1	20 A	Cardio Equipment	12
13	Treadmill	20 A	1	1000	1000					1	20 A	Cardio Equipment	14
15	Treadmill	20 A	1			1000	1000			1	20 A	Cardio Equipment	16
17	Treadmill	20 A	1					1000	1000	1	20 A	Cardio Equipment	18
19	Treadmill	20 A	1	1000	1000					1	20 A	Cardio Equipment	20
21	Treadmill	20 A	1			1000	1000			1	20 A	Cardio Equipment	22
23	Treadmill	20 A	1					1000	1000	1	20 A	Cardio Equipment	24
25	Treadmill	20 A	1	1000	1000					1	20 A	Cardio Equipment	26
27	Treadmill	20 A	1			1000	1000			1	20 A	Cardio Equipment	28
29	Treadmill	20 A	1					1000	1000	1	20 A	Cardio Equipment	30
31	Cardio Equipment	20 A	1	1000	1000					1	20 A	Cardio Equipment	32
33	Cardio Equipment	20 A	1			1000	1000			1	20 A	Cardio Equipment	34
35	Cardio Equipment	20 A	1					1000	1000	1	20 A	Cardio Equipment	36
37	Cardio Equipment	20 A	1	1000	1000					1	20 A	Cardio Equipment	38
39	Cardio Equipment	20 A	1			1000	1000			1	20 A	Cardio Equipment	40
41	Cardio Equipment	20 A	1					1000	1000	1	20 A	Cardio Equipment	42
			Total Load:	14000 VA		14000 VA		14000 VA					
			Total Amps:	117 A		117 A		117 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Outlet	42000 VA	61.90%	26000 VA		
				Total Conn. Load:	42000 VA
				Total Est. Demand:	26000 VA
				Total Conn.:	117 A
				Total Est. Demand:	72 A

Notes:

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

PANEL SCHEDULES

EE-005

10/24/2012 12:08:54 PM

Branch Panel: L10

Location: STUDIO STORAGE 202A
Supply From: LP
Mounting:
Enclosure:
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type:
Mains Rating: 100 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Outlet	20 A	1	180	120					1	20 A	HVAC	2
3	Fitness Studio A 202 Ceiling Fan	20 A	1			500	1000			1	20 A	Fitness Studio A 202 Ceiling Fan	4
5	Fitness Studio A 202 Ceiling Fan	20 A	1					1000	900	1	20 A	EXISTING STORAGE 108	6
7	OFFICE 001E, 001F	20 A	1	1440	728					2	30 A	EXISTING STORAGE 108	8
9	OFFICE 001C, 001D	20 A	1			1440	728			--	--	--	10
11	RECEPTION 001 / HALL 001H	20 A	1					720	180	1	20 A	Outlet EQUIP 001A	12
13	OFFICE 001G / HALL 001H	20 A	1	900	720					1	20 A	CONTROL 000 / VESTIBULE 00A	14
15	Outlet Room 001B, 0E1	20 A	1			900	1080			1	20 A	GROUP FITNESS 101 / STORAGE 101A	16
17	EQUIP. 001A / CONTROL 000	20 A	1					1080	360	1	20 A	Outlet STUDIO STORAGE 202A	18
19	Outlet CONF 101B	20 A	1	180	180					1	20 A	Outlet OFFICE 101D	20
21	ELEV. EQUIP 007	20 A	1			500	720			1	20 A	Outlet RECEPTION 101	22
23	ELEV. EQUIP 007	20 A	1					180	360	1	20 A	Outlet CONTROL-1 100-1	24
25	CIRCULATION 200	20 A	1	180	180					1	20 A	STUDIO STORAGE 101A	26
27	OFFICE 005C, 005D	20 A	1			1080	540			1	20 A	STUDENT WORKROOM 105	28
29	Outlet STUDENT WORKROOM-1 105-1	20 A	1					360	360	1	20 A	Outlet STUDENT WORKROOM-1 105-1	30
31	Outlet STUDENT WORKROOM-1 105-1	20 A	1	360	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
				Total Load:	5168 VA	8488 VA		5500 VA					
				Total Amps:	43 A	71 A		46 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	120 VA	100.00%	120 VA		
Other	3956 VA	100.00%	3956 VA	**Total Conn. Load:**	19156 VA
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	16866 VA
Outlet	14580 VA	84.29%	12290 VA	**Total Conn.:**	53 A
				Total Est. Demand:	47 A

Notes:

Branch Panel: LP

Location: MECHANICAL 150
Supply From: 112.5 KVA XFMR
Mounting:
Enclosure:
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type:
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	L6	100 A	3	2340	5388					3	100 A	L7	2
3	--	--	--			3540	4428			--	--	--	4
5	--	--	--					2440	5240	--	--	--	6
7	L8	150 A	3	1400	3179					3	100 A	L9	8
9	--	--	--			1400	4722			--	--	--	10
11			--					1400	4714	--	--	--	12
13	L10	100 A	3	5168	0 VA					3	40 A	SPARE	14
15	--	--	--			8488	0 VA			--	--	--	16
17	--	--	--					5500	0 VA	--	--	--	18
19	Spare	100 A	3	0 VA	0 VA					3	20 A	SPARE	20
21	--	--	--			0 VA	0 VA			--	--	--	22
23	--	--	--					0 VA	0 VA	--	--	--	24
25	Spare	60 A	3	0 VA	0 VA					--	--	SPACE	26
27	--	--	--			0 VA	0 VA			--	--	SPACE	28
29	--	--	--					0 VA	0 VA	--	--	SPACE	30
31	SPACE	--	--	0 VA	0 VA					--	--	SPACE	32
33	SPACE	--	--			0 VA	0 VA			--	--	SPACE	34
35	SPACE	--	--					0 VA	0 VA	--	--	SPACE	36
37	SPACE	--	--	0 VA	0 VA					--	--	SPACE	38
39	SPACE	--	--			0 VA	0 VA			--	--	SPACE	40
41	SPACE	--	--					0 VA	0 VA	--	--	SPACE	42
				Total Load:	30075 VA	35178 VA		31894 VA					
				Total Amps:	251 A	295 A		268 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3928 VA	100.00%	3928 VA		
Lighting	175 VA	125.00%	219 VA	**Total Conn. Load:**	97147 VA
Motor	500 VA	100.00%	500 VA	**Total Est. Demand:**	85381 VA
Other	18424 VA	100.00%	18424 VA	**Total Conn.:**	270 A
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	181 A
Outlet	73620 VA	56.79%	41810 VA		

Notes:

Branch Panel: L9

Location: MECHANICAL 150
Supply From: LP
Mounting:
Enclosure:
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type:
Mains Rating: 100 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	CONF. 101B LTG.	20 A	1	175	180					1	20 A	EF-1	2
3	DCP-1	20 A	1			180	180			1	20 A	Fitness Studio B 203 Ceiling Fans	4
5	SCP-1	20 A	1					180	1080	1	20 A	Fitness Studio B 203 Ceiling Fans	6
7	Outlet	20 A	1	180	180					1	20 A	Outlet	8
9	AHU LTG.	20 A	1			512	1000			1	20 A	Weights 200B Ceiling Fan	10
11	ACC-1	20 A	2					104	1000	1	20 A	Weights 200B Ceiling Fans	12
13	--	--	--	104	1000					1	20 A	Weights 200B Ceiling Fans	14
15	HVAC	20 A	2			1350	1000			1	20 A	Weights 200B Ceiling Fans	16
17	--	--	--					1350	1000	1	20 A	Weights 200B Ceiling Fans	18
19	Outlet	20 A	1	360	1000					1	20 A	Cardio 200C Ceiling Fans	20
21							500			1	20 A	Cardio 200C Ceiling Fans	22
23													24
25													26
27													28
29													30
31													32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
				Total Load:	3179 VA	4722 VA		4714 VA					
				Total Amps:	26 A	41 A		41 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3448 VA	100.00%	3448 VA		
Lighting	175 VA	125.00%	219 VA	**Total Conn. Load:**	12615 VA
Other	7012 VA	100.00%	7012 VA	**Total Est. Demand:**	12659 VA
Outlet	1980 VA	100.00%	1980 VA	**Total Conn.:**	35 A
				Total Est. Demand:	35 A

Notes:

Branch Panel: H3E

Location: MECHANICAL 150
Supply From:
Mounting:
Enclosure:
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type:
Mains Rating: 100 A
MCB Rating: 60 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	PANEL LE3	20 A	3	3954	942					1	20 A	EM. LTG.	2
3	--	--	--			2294	764			1	20 A	EM. LTG.	4
5	--	--	--					3540	256	1	20 A	EM. LTG.	6
7	EM. LTG.	20 A	1	1762	402					1	20 A	EM. LTG. STAIRS	8
9	EM. LTG.	20 A	1			1000							10
11													12
13													14
15													16
17													18
				Total Load:	7060 VA	4058 VA		3796 VA					
				Total Amps:	26 A	15 A		14 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2908 VA	100.00%	2908 VA		
Lighting	4496 VA	125.00%	5620 VA	**Total Conn. Load:**	13914 VA
Other	4170 VA	100.00%	4170 VA	**Total Est. Demand:**	15038 VA
Power	720 VA	100.00%	720 VA	**Total Conn.:**	17 A
Outlet	1620 VA	100.00%	1620 VA	**Total Est. Demand:**	18 A

Notes:

Branch Panel: L3E

Location: MECHANICAL 150
Supply From: 9 KVA XFMR
Mounting:
Enclosure:
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type:
Mains Rating: 60 A
MCB Rating: 35 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	ATC PANEL	20 A	1	500	500					1	20 A	ATC PANEL	2
3	COMM 102	20 A	1			360	360			1	20 A	COMM 102	4
5	COMM 102	20 A	1					360	360	1	20 A	COMM 102	6
7	HVAC	20 A	2	104	750					2	20 A	Other	8
9	--	--	--			104	750			--	--	--	10
11	Other	20 A	2					750	1350	2	20 A	HVAC	12
13	--	--	--	750	1350					--	--	--	14
15	Other	20 A	1			540	180			1	20 A	Outlet	16
17	Power	20 A	1					720					18
				Total Load:	3954 VA	2294 VA		3540 VA					
				Total Amps:	35 A	19 A		31 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2908 VA	100.00%	2908 VA		
Other	3540 VA	100.00%	3540 VA	**Total Conn. Load:**	8788 VA
Power	720 VA	100.00%	720 VA	**Total Est. Demand:**	8788 VA
Outlet	1620 VA	100.00%	1620 VA	**Total Conn.:**	24 A
				Total Est. Demand:	24 A

Notes:

MECHANICAL EQUIPMENT SCHEDULE

NAME OF MECHANICAL EQUIPMENT	AIR COOLED CONDENSING UNIT (SPLIT SYSTEM	AIR COOLED CONDENSING UNIT (SPLIT SYSTEM	AIR COOLED CONDENSING UNIT (SPLIT SYSTEM	AIR COOLED CONDENSING UNIT (SPLIT SYSTEM	AIR HANDLING UNIT	CONDENSATE PUMP	CABINET UNIT HEATER	DOMESTIC RECIRCULATION PUMP	EXHAUST FAN	EXHAUST FAN	EXHAUST FAN	ELECTRICAL RADIANT CEILING PANEL	ELEVATOR	FAN COIL UNIT	PUMP	RELIEF FAN	RELIEF FAM	STEAM CONDENSATE PUMP	SUPPLY FAN	SUPPLY FAN	SUPPLY FAN	SUPPLY FAN	ELECTRIC UNIT HEATER	WATER HEATER	WATER HEATER	WATER HEATER	WATER HEATER	WATER HEATER	WATER METER	WATER METER
MOTOR DATA																														
EQUIPMENT NO.	ACC-1	CU-1	ACC-2	CU-2	ACC-3	CU-3	AHU-1	CP-1	CUH-1	DCP-1	EF-1	EF-2	EF-3	ERP-1	EL-1	FCU-1	P-1	RF-1	RF-2	SCP-1	SF-1	SF-2	SF-3	SF-4	UH-1	WH-1	WH-2	WH-3	WH-4	WH-5	WM-1	WM-2
RATING/WATTS	--	--	--	--	--	--	(4)15 HP	1/30 HP	1/10 HP	.12 HP	1/2 HP	47W	258W	750W	60 HP	1/2 HP	30 HP	10 HP	10 HP	1/3 HP	15 HP	15 HP	15 HP	15 HP	1/20 HP	90 KW	90 KW	3.5	3.5	3.5	--	--
VOLTAGE	208	208	208	208	208	208	480	120	120	120	120	120	120	120	480	120	480	480	480	120	480	480	480	480	120	480	480	277	277	277	120	120
PHASE	1	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1	3	3	3	1	3	3	3	3	1	3	3	1	1	1	1	1
AMPS	1	13	1	13	1	13	--	--	--	--	8	--	--	--	--	--	38.3	--	--	--	20	20	20	20	--	--	--	--	--	--	--	--
WIRE SIZE	2#12	2#12	2#12	2#12	2#12	2#12	3#2	2#12	2#12	2#12	2#12	2#12	2#12	2#12	3#2/0	2#12	3#6	3#10	3#10	2#12	3#10	3#10	3#10	3#10	2#12	3#2/0	3#2/0	2#12	2#12	2#12	2#12	2#12
GROUND WIRE	1#12	1#12	1#12	1#12	1#12	1#12	1#6	1#12	1#12	1#12	1#12	1#12	1#12	1#12	1#6	1#12	1#8	1#10	1#10	1#12	1#10	1#10	1#10	1#10	1#12	1#6	1#6	1#12	1#12	1#12	1#12	1#12
CONDUIT SIZE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1-1/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	2"	2"	3/4"	3/4"	3/4"	3/4"	3/4"
FUSE DISC. SW.	--	60	--	60	--	60	--	--	--	--	--	--	--	--	200	--	--	--	--	--	--	--	--	--	--	200	200	--	--	--	--	--
TYPE RKI FUSES	--	20	--	35	--	20	--	--	--	--	--	--	--	--	150	--	--	--	--	--	--	--	--	--	--	150	150	--	--	--	--	--
NON-FUSE SW.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NOTES	2	1	2	1	2	1	6	2	2	2	2	2	2	2	1	2	4	4	4	2	4	4	4	4	2	1	1	2	2	2	2	2

NOTES:

1. STARTER IS FURNISHED WITH THE UNIT. PROVIDE SITE DISCONNECT.
2. PROVIDE THERMAL OVERLOAD SWITCH. VERIFY VOLTAGE.
3. PROVIDE COMBINATION STARTER & DISCONNECT (HOA) W/ (2) N.O. & N.C. CONTACTS.
4. UNIT FURNISHED WITH VFD. PROVIDE SITE FUSED DISCONNECT WITH ELECTRICAL INTERLOCK.
5. TIE-INTO FIRE ALARM SYSTEM FOR AUTOMATIC OPERATION.
6. UNIT FURNISHED WITH FUSED DISCONNECT.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

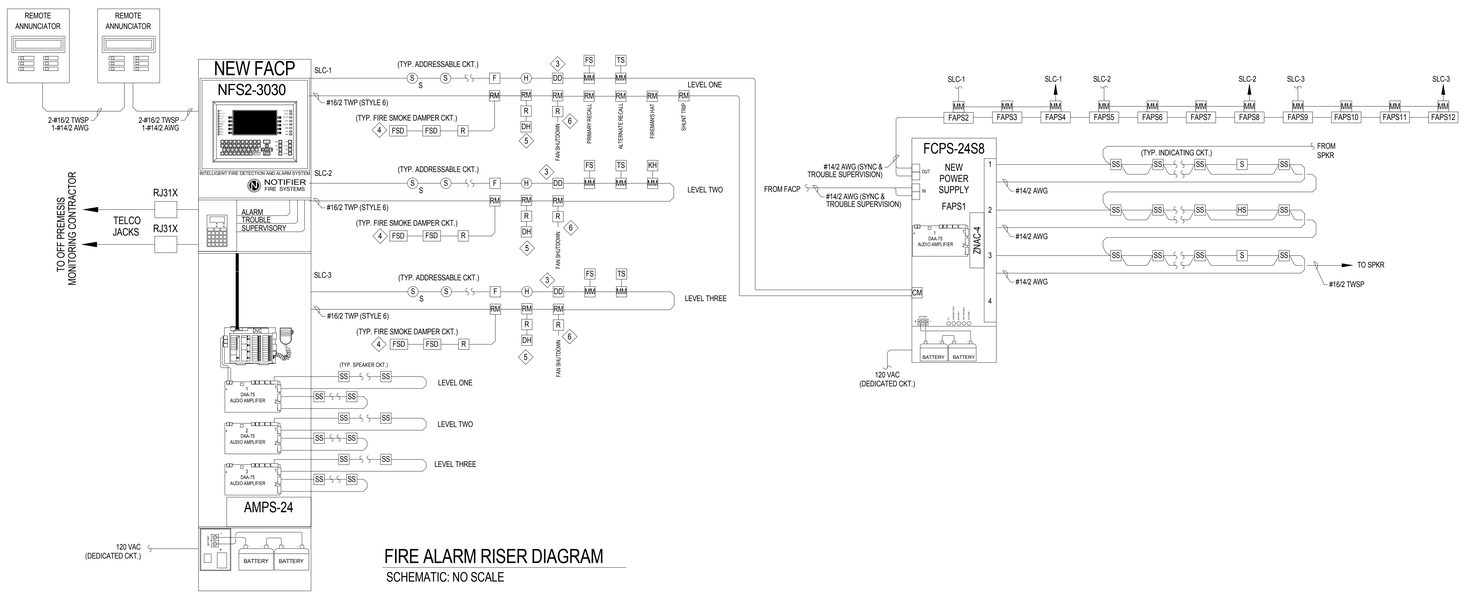
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

PANEL SCHEDULES

EE-006

10/24/2012 12:08:55 PM



FIRE ALARM RISER DIAGRAM

SCHEMATIC: NO SCALE

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

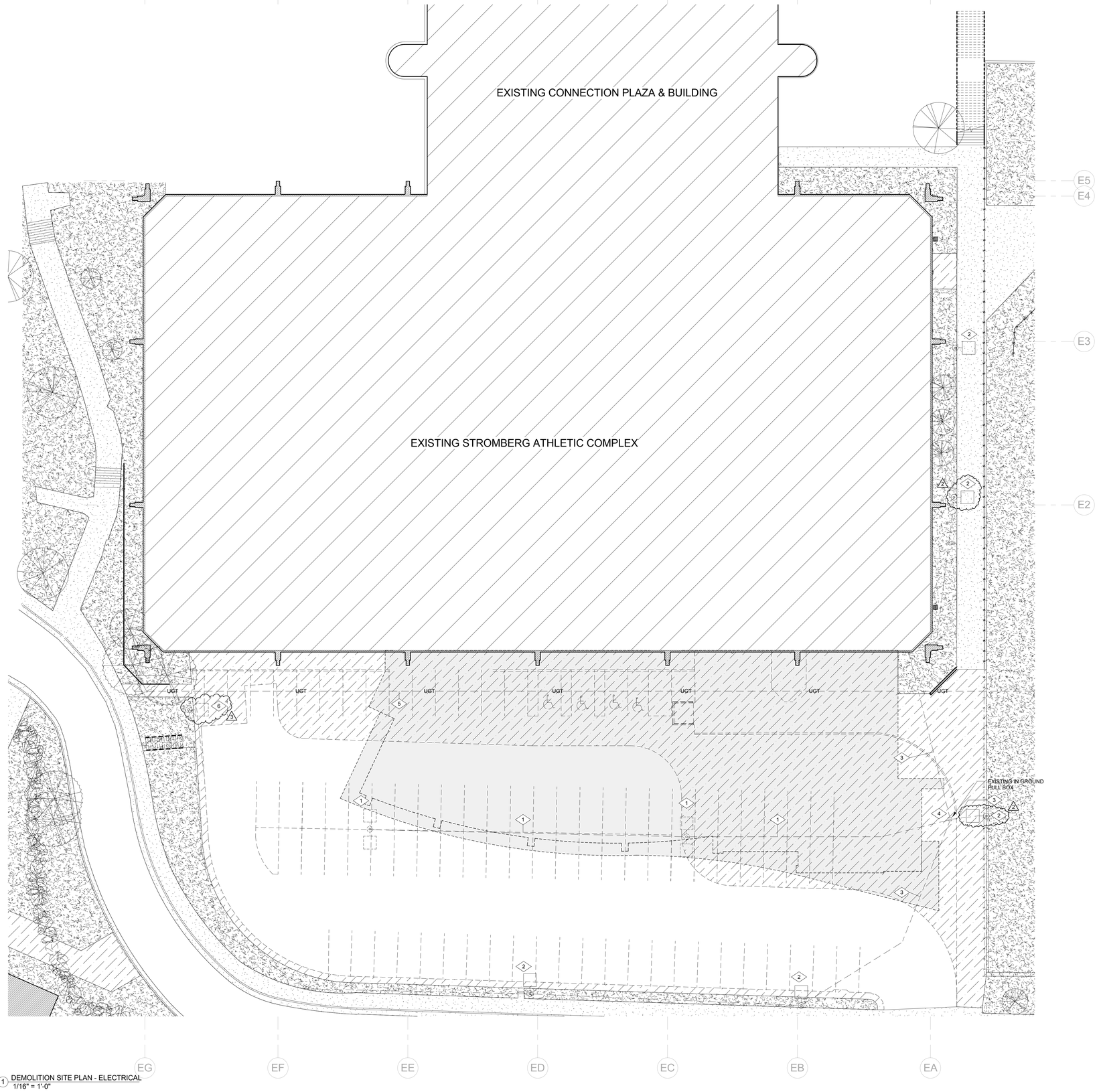
Rev #	Date	Description

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

FIRE ALARM RISER DIAGRAM & SCHEDULES

EE-007

10/24/2012 12:08:55 PM



1 DEMOLITION SITE PLAN - ELECTRICAL
1/16" = 1'-0"

REFERENCE NOTES:

1. REMOVE EXISTING POLE LIGHT FIXTURE, ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO THE EXISTING PULL BOX. RE-LOCATE ONE OF THE POLES TO THE NEW LOCATION SHOWN ON SHEET ES-101.
2. EXISTING LIGHT POLES ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY DURING CONSTRUCTION UPON COMPLETION OF CONSTRUCTION OF NEW ADDITION TIE TO NEW PANEL AS SHOWN ON SHEET ES-101. FIELD VERIFY WORK INVOLVED.
3. REMOVE EXISTING HOMERUNS, ASSOCIATED CONDUIT AND CONDUCTORS. EXTEND EXISTING CIRCUITS TO NEW PANEL IN NEW ADDITION THROUGH NEW TIME CLOCK. PROVIDE NEW CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
4. REMOVE EXISTING PULL BOX, ASSOCIATED CONDUIT AND CONDUCTORS. EXTEND EXISTING CIRCUIT TO NEW PANEL IN NEW ADDITION.
5. PRIOR TO EXCAVATION FOR NEW PROJECT, CONTRACTOR IS TO LOCATE AND EXPOSE THE EXISTING UNDERGROUND CONNUMICATION LINE TO VERIFY NUMBER OF BURIED CABLES AND IF THEY ARE ABANDONED IN PLACE. COORDINATE WITH WSU NETCOM GROUP.
6. REMOVE EXISTING POLE LIGHT FIXTURE AND RELOCATE TO NEW LOCATION SHOWN ON SHEET ES-101. EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION. PROVIDE NEW CONCRETE POLE BASE.

SPECIAL NOTE:

1. CONTRACTOR IS TO PROVIDE TEMPORARY POWER TO THE EXISTING POLE MOUNTED LIGHT FIXTURES DURING THE CONSTRUCTION. AT THE END OF THE PROJECT, TIE THE CIRCUIT IN NEW PANEL THROUGH THE NEW TIME CLOCK.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

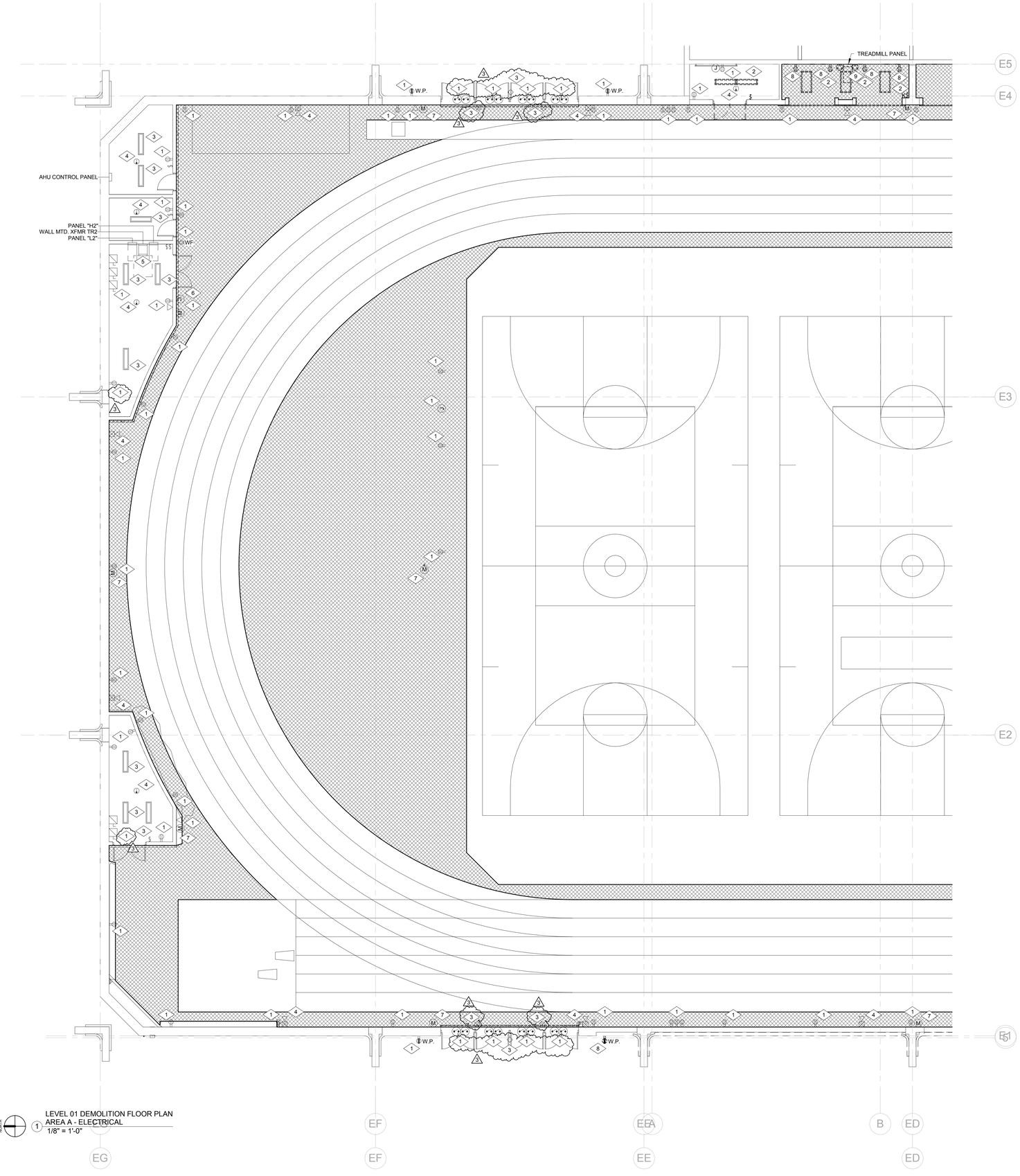
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

DEMOLITION SITE PLAN - ELECTRICAL

EDS-101

10/24/2012 12:08:52 PM



LEVEL 01 DEMOLITION FLOOR PLAN AREA A - ELECTRICAL
1/8" = 1'-0"

REFERENCE NOTES:

1. EXISTING DEVICES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
2. REMOVE EXISTING LIGHT FIXTURES, LIGHT SWITCHES, OCCUPANCY SENSORS, EXIT SIGNS, AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD WHETHER OR NOT SHOWN ON THE PLANS UNLESS INDICATED OTHERWISE. UTILIZE EXISTING HOME RUNS AS POSSIBLE FOR NEW LIGHT FIXTURES.
3. EXISTING LIGHT FIXTURES, EXIT SIGNS, AND SWITCHES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES.
4. EXISTING FIRE ALARM DEVICES ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
5. EXISTING ELECTRICAL PANELBOARDS ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
6. EXISTING CLOCK IS TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
7. EXISTING MICROPHONE IS TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
8. REMOVE EXISTING ELECTRICAL DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD.
9. REMOVE EXISTING PANELBOARD, ASSOCIATED CONDUIT, CONDUCTORS, FEEDERS, BRANCH CIRCUITS, ETC. ALL THE WAY BACK TO ORIGINATION POINT.

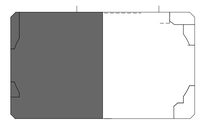
GENERAL DEMOLITION NOTES:

1. UNDER DEMOLITION THE INTENT OF ELECTRICAL WORK IS TO REMOVE ALL ELECTRICAL DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, J-BOXES, FIRE ALARM DEVICES, CAMERAS, BELLS, SPEAKERS, PANELBOARD, VOICE/DATA CABLING, VOICE/DATA OUTLETS, ETC. UNLESS INDICATED OTHERWISE. CONDUITS AND J-BOXES IN CONCRETE, MASONRY, AND BLOCK WALLS CAN BE LEFT IN THE WALLS AND REUSED FOR NEW DEVICES AS POSSIBLE. ALL ELECTRICAL EQUIPMENT INCLUDING LIGHT FIXTURES, PANELBOARDS, ETC., WILL BE NEW. BUILDING SHALL BE STRIPPED OF ALL MATERIALS.
2. ALL MATERIAL MUST BE REMOVED AND DISPOSED OF BY DEMOLITION CONTRACTOR, UNLESS INDICATED OTHERWISE ON DEMOLITION PLANS.
3. EXISTING DEMOLITION MATERIALS CAN NOT BE REUSED UNLESS INDICATED OTHERWISE.
4. ELECTRICAL CONTRACTOR IS TO PROVIDE TEMPORARY LIGHTING AND POWER FOR OTHER TRADES DURING DEMOLITION WORK. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
5. DEMOLITION CONTRACTOR IS TO REMOVE ALL ELECTRICAL CONNECTIONS AND CONTROL WIRING TO ALL THE EXISTING MECHANICAL EQUIPMENT IN THE REMODEL AREA, ETC. AS INDICATED. REMOVE ALL CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARDS. COORDINATE THIS WORK WITH MECHANICAL CONTRACTOR.
6. ALL MATERIALS TO BE REMOVED FROM THE PREMISES BY THE DEMOLITION CONTRACTOR.
7. PRIOR TO SUBMITTING A BID THE DEMOLITION CONTRACTOR SHALL INSPECT THE SITE AND INCLUDED IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS.
8. ANY DAMAGE DONE TO EXISTING EQUIPMENT WHICH IS TO REMAIN WILL BE DEMOLITION CONTRACTOR RESPONSIBILITY TO REPLACE THEM WITH NEW ONES.

SPECIAL NOTE:

1. CONTRACTOR MUST REFER TO MECHANICAL DEMOLITION WORK FOR ADDITIONAL ELECTRICAL WORK REQUIRED FOR MECHANICAL EQUIPMENTS.
2. AT THE END OF THE PROJECT ALL EXISTING MOTION SENSORS IN THE ENTIRE ARENA MUST BE READY TESTED AND ARMED PROPERLY FOR PROPER OPERATION. THIS WORK MUST BE DONE BY WATTSTOPPER MANUFACTURER REPRESENTATIVE. COORDINATE WITH ENGINEER FOR ZONING OF THE AREAS.
3. RELOCATE ANY CONDUITS FEEDING DEVICES WHICH ARE TO REMAINTHAT ARE RUN INSIDE WALLS THAT ARE TO BE DEMOLISHED.
4. ANY DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, ETC. MOUNTED TO THE CEILING DECK IN THE SHADED AREA IS TO BE TEMPORARILY REMOVED OR SUSPENDED FROM THE JOISTS DURING DEMOLITION OF EXISTING ROOF AND RE-INSTALLED IN THE SAME LOCATIONS AFTER THE ROOF IS RE-INSTALLED. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY. COORDINATE WITH GENERAL CONTRACTOR.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

#172577
10-03-12

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

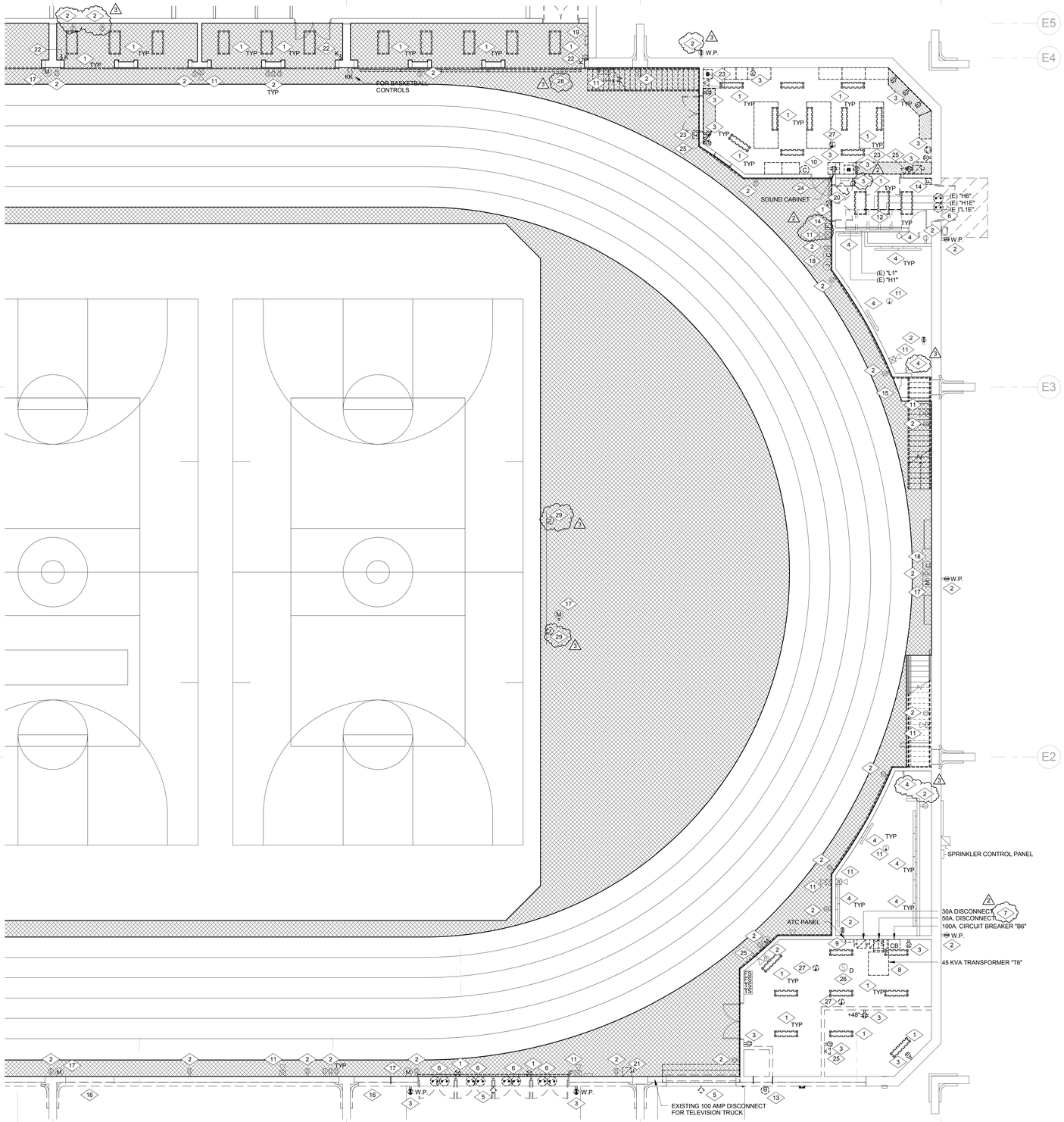
Rev #	Date	Description
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 01 DEMOLITION FLOOR PLAN AREA A - ELECTRICAL

ED-101A

10/24/2012 12:08:45 PM



LEVEL 01 DEMOLITION FLOOR PLAN
AREA B - ELECTRICAL
1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1. UNDER DEMOLITION THE INTENT OF ELECTRICAL WORK IS TO REMOVE ALL ELECTRICAL DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, J-BOXES, FIRE ALARM DEVICES, CAMERAS, BELLS, SPEAKERS, PANELBOARD, VOICE/DATA CABLING, VOICE/DATA OUTLETS, ETC. UNLESS INDICATED OTHERWISE. CONDUITS AND J-BOXES IN CONCRETE, MASONRY, AND BLOCK WALLS CAN BE LEFT IN THE WALLS AND REUSED FOR NEW DEVICES AS POSSIBLE. ALL ELECTRICAL EQUIPMENT INCLUDING LIGHT FIXTURES, PANELBOARDS, ETC., WILL BE NEW. BUILDING SHALL BE STRIPPED OF ALL MATERIALS.
2. ALL MATERIAL MUST BE REMOVED AND DISPOSED OF BY DEMOLITION CONTRACTOR, UNLESS INDICATED OTHERWISE ON DEMOLITION PLANS.
3. EXISTING DEMOLITION MATERIALS CAN NOT BE REUSED UNLESS INDICATED OTHERWISE.
4. ELECTRICAL CONTRACTOR IS TO PROVIDE TEMPORARY LIGHTING AND POWER FOR OTHER TRADES DURING DEMOLITION WORK. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
5. DEMOLITION CONTRACTOR IS TO REMOVE ALL ELECTRICAL CONNECTIONS AND CONTROL WIRING TO ALL THE EXISTING MECHANICAL EQUIPMENT IN THE REMODEL AREA, ETC. AS INDICATED. REMOVE ALL CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARDS. COORDINATE THIS WORK WITH MECHANICAL CONTRACTOR.
6. ALL MATERIALS TO BE REMOVED FROM THE PREMISES BY THE DEMOLITION CONTRACTOR.
7. PRIOR TO SUBMITTING A BID THE DEMOLITION CONTRACTOR SHALL INSPECT THE SITE AND INCLUDED IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS.
8. ANY DAMAGE DONE TO EXISTING EQUIPMENT WHICH IS TO REMAIN WILL BE DEMOLITION CONTRACTOR RESPONSIBILITY TO REPLACE THEM WITH NEW ONES.

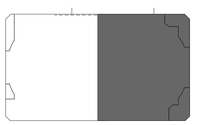
SPECIAL NOTE:

1. CONTRACTOR MUST REFER TO MECHANICAL DEMOLITION WORK FOR ADDITIONAL ELECTRICAL WORK REQUIRED FOR MECHANICAL EQUIPMENTS.
2. AT THE END OF THE PROJECT ALL EXISTING MOTION SENSORS IN THE ENTIRE ARENA MUST BE READY TESTED AND ARMED PROPERLY FOR PROPER OPERATION. THIS WORK MUST BE DONE BY WATTSTOPPER MANUFACTURER REPRESENTATIVE. COORDINATE WITH ENGINEER FOR ZONING OF THE AREAS.
3. RELOCATE ANY CONDUITS FEEDING DEVICES WHICH ARE TO REMAINTHAT ARE RUN INSIDE WALLS THAT ARE TO BE DEMOLISHED.
4. ANY DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, ETC. MOUNTED TO THE CEILING DECK IN THE SHADED AREA IS TO BE TEMPORARILY REMOVED OR SUSPENDED FROM THE JOISTS DURING DEMOLITION OF EXISTING ROOF AND RE-INSTALLED IN THE SAME LOCATIONS AFTER THE ROOF IS RE-INSTALLED. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY. COORDINATE WITH GENERAL CONTRACTOR.

REFERENCE NOTES:

1. REMOVE EXISTING LIGHT FIXTURES, LIGHT SWITCHES, OCCUPANCY SENSORS, EXIT SIGNS, AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD WHETHER OR NOT SHOWN ON THE PLANS UNLESS INDICATED OTHERWISE. UTILIZE EXISTING HOME RUNS AS POSSIBLE FOR NEW LIGHT FIXTURES.
2. EXISTING DEVICES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
3. REMOVE EXISTING ELECTRICAL DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD.
4. EXISTING LIGHT FIXTURES, EXIT SIGNS, AND SWITCHES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES.
5. REMOVE EXISTING EXTERIOR LIGHT FIXTURES. MAINTAIN CIRCUIT INTEGRITY TO THE REST OF LIGHT FIXTURES WHICH ARE TO REMAIN. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
6. REMOVE EXISTING SECURITY DOOR CONTACTS AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO THEIR ORIGINATION POINTS.
7. RELOCATE EXISTING 50A COMBINATION STARTER/DISCONNECT AND EXISTING 30A DISCONNECT TO STOR./MAINT. 209 ON FLOOR ABOVE. REFER TO SHEET EP-101B. INTERCEPT EXISTING CONDUIT AND CONDUCTORS AND EXTEND TO THEIR NEW LOCATION FOR A COMPLETE INSTALLATION.
8. REMOVE EXISTING 100 AMP CIRCUIT BREAKER, 45 KVA STEP DOWN TRANSFORMER FOR TV TRUCK, AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY TO THEIR ORIGINATION POINT (PANEL H6). DELIVER THE TRANSFORMER TO ELECTRICAL SHOP WAREHOUSE.
9. EXISTING ATC PANEL IS BEING RELOCATED BY MECHANICAL CONTRACTOR TO SECOND LEVEL STORAGE ROOM. REMOVE EXISTING 120 VOLT POWER AND ASSOCIATED CONDUIT AND CONDUCTORS, AND EXTEND TO NEW LOCATIONS. COORDINATE WITH MECHANICAL CONTRACTOR.
10. REMOVE EXISTING CLOCK AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO THEIR ORIGINATION POINT.
11. EXISTING FIRE ALARM DEVICES ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
12. EXISTING ELECTRICAL PANELBOARDS ARE TO REMAIN. PRIMARY AND SECONDARY POWER TO THESE PANELBOARDS NEED TO BE REROUTED TO NEW LOCATION OF THE STEP DOWN TRANSFORMERS.
13. EXISTING BELL IS BEING RELOCATED BY THE MECHANICAL CONTRACTOR.
14. REMOVE EXISTING FIRE ALARM PULL STATION, ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO ORIGINATION POINT.
15. EXISTING SECURITY CAMERA TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
16. EXISTING WALL IS BEING OPENED FOR NEW DOORS. REROUTE ANY EXISTING CONDUIT AND CONDUCTORS IN THIS WALL TO ALLOW INTALLATION OF NEW DOORS AND OPENINGS. COORDINATE WITH GENERAL CONTRACTOR.
17. EXISTING MICROPHONE IS TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
18. EXISTING CLOCK IS TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
19. REMOVE AND REPLACE EXISTING FIRE ALARM CONTROL PANEL. EXTEND ALL FIRE ALARM LOOPS, ASSOCIATED CONDUIT, CONDUCTORS, ETC. TO NEW FIRE ALARM CONTROL PANEL LOCATION SHOWN ON SHEET EP-101B.
20. REMOVE EXISTING CAMERA ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO ORIGINATION POINTS.
21. REMOVE EXISTING 100 AMP DISCONNECT ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO ITS ORIGINATION POINT.
22. REMOVE EXISTING KEY SWITCHES ASSOCIATED CONDUIT AND CONDUCTORS.
23. REMOVE EXISTING PUSH BUTTON, ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO THE ORIGINATION POINTS. REMOVE DOOR HOLDERS, ETC. REMOVE ANY CONDUIT AND CONDUCTORS IN THE WALL WHICH IS BEING DEMOLISHED.
24. REMOVE AND RELOCATE EXISTING SOUND CABINET, ASSOCIATED CONDUIT AND CONDUCTORS, ETC. EXTEND EXISTING CONDUIT AND CONDUCTORS INCLUDING ALL DATA CABLES TO NEW LOCATION. FIELD VERIFY WORK INVOLVED. REFER TO SHEET EP-101B FOR NEW LOCATION.
25. REMOVE EXISTING VOICE/DATA OUTLET ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO THEIR ORIGINATION POINTS.
26. EXISTING DUCT DETECTORS ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY.
27. REMOVE EXISTING FIRE ALARM DEVICES, ASSOCIATED CONDUIT AND CONDUCTORS. MAINTAIN CIRCUIT INTEGRITY TO DEVICES WHICH ARE TO REMAIN.
28. REMOVE EXISTING EXIT SIGN AND REINSTALL A FEW FEET LOWER BELOW THE BRIDGE. EXTEND EXISTING CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
29. EXISTING TV'S, SUPPORTS, ASSOCIATED CONDUIT, CONDUCTORS, ETC. ARE TO BE REMOVED AND REINSTALLED IN THE NEW LOCATION SHOWN ON SHEET EP101B. EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION. COORDINATE EXACT LOCATION WITH ARCHITECT.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

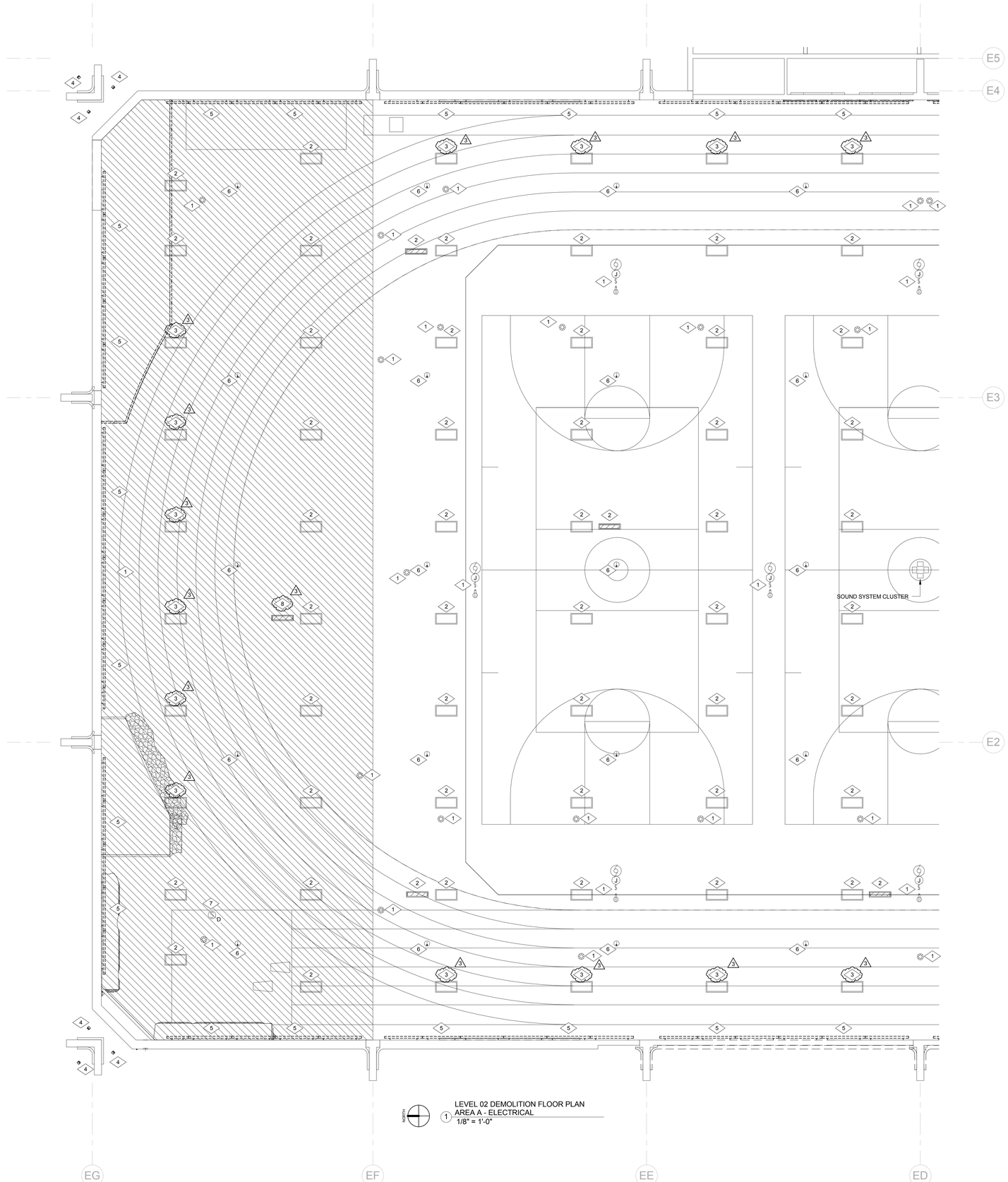
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 01 DEMOLITION FLOOR PLAN AREA B - ELECTRICAL

ED-101B

10/24/2012 12:08:47 PM



1 LEVEL 02 DEMOLITION FLOOR PLAN
AREA A - ELECTRICAL
1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1. UNDER DEMOLITION THE INTENT OF ELECTRICAL WORK IS TO REMOVE ALL ELECTRICAL DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, J-BOXES, FIRE ALARM DEVICES, CAMERAS, BELLS, SPEAKERS, PANELBOARD, VOICE/DATA CABLING, VOICE/DATA OUTLETS, ETC. UNLESS INDICATED OTHERWISE. CONDUITS AND J-BOXES IN CONCRETE, MASONRY, AND BLOCK WALLS CAN BE LEFT IN THE WALLS AND REUSED FOR NEW DEVICES AS POSSIBLE. ALL ELECTRICAL EQUIPMENT INCLUDING LIGHT FIXTURES, PANELBOARDS, ETC., WILL BE NEW. BUILDING SHALL BE STRIPPED OF ALL MATERIALS.
2. ALL MATERIAL MUST BE REMOVED AND DISPOSED OF BY DEMOLITION CONTRACTOR, UNLESS INDICATED OTHERWISE ON DEMOLITION PLANS.
3. EXISTING DEMOLITION MATERIALS CAN NOT BE REUSED UNLESS INDICATED OTHERWISE.
4. ELECTRICAL CONTRACTOR IS TO PROVIDE TEMPORARY LIGHTING AND POWER FOR OTHER TRADES DURING DEMOLITION WORK. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
5. DEMOLITION CONTRACTOR IS TO REMOVE ALL ELECTRICAL CONNECTIONS AND CONTROL WIRING TO ALL THE EXISTING MECHANICAL EQUIPMENT IN THE REMODEL AREA, ETC. AS INDICATED. REMOVE ALL CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARDS. COORDINATE THIS WORK WITH MECHANICAL CONTRACTOR.
6. ALL MATERIALS TO BE REMOVED FROM THE PREMISES BY THE DEMOLITION CONTRACTOR.
7. PRIOR TO SUBMITTING A BID THE DEMOLITION CONTRACTOR SHALL INSPECT THE SITE AND INCLUDED IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS.
8. ANY DAMAGE DONE TO EXISTING EQUIPMENT WHICH IS TO REMAIN WILL BE DEMOLITION CONTRACTOR RESPONSIBILITY TO REPLACE THEM WITH NEW ONES.

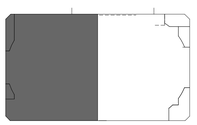
SPECIAL NOTE:

1. CONTRACTOR MUST REFER TO MECHANICAL DEMOLITION WORK FOR ADDITIONAL ELECTRICAL WORK REQUIRED FOR MECHANICAL EQUIPMENTS.
2. AT THE END OF THE PROJECT ALL EXISTING MOTION SENSORS IN THE ENTIRE ARENA MUST BE READY TESTED AND ARMED PROPERLY FOR PROPER OPERATION. THIS WORK MUST BE DONE BY WATTSTOPPER MANUFACTURER REPRESENTATIVE. COORDINATE WITH ENGINEER FOR ZONING OF THE AREAS.
3. RELOCATE ANY CONDUITS FEEDING DEVICES WHICH ARE TO REMAINTHAT ARE RUN INSIDE WALLS THAT ARE TO BE DEMOLISHED.
4. ANY DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, ETC. MOUNTED TO THE CEILING DECK IN THE SHADED AREA IS TO BE TEMPORARILY REMOVED OR SUSPENDED FROM THE JOISTS DURING DEMOLITION OF EXISTING ROOF AND RE-INSTALLED IN THE SAME LOCATIONS AFTER THE ROOF IS RE-INSTALLED. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY. COORDINATE WITH GENERAL CONTRACTOR.

REFERENCE NOTES:

1. EXISTING DEVICES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
2. EXISTING HIGH BAY LIGHT FIXTURE ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
3. RAISE EXISTING LIGHT FIXTURES SHOWN AND MOUNT TO THE CEILING DECK. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
4. EXISTING UNDER CANOPY LIGHT FIXTURES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
5. REMOVE EXISTING LIGHT FIXTURES, LIGHT SWITCHES, OCCUPANCY SENSORS, EXIT SIGNS, AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD WHETHER OR NOT SHOWN ON THE PLANS UNLESS INDICATED OTHERWISE. UTILIZE EXISTING HOME RUNS AS POSSIBLE FOR NEW LIGHT FIXTURES.
6. EXISTING FIRE ALARM DEVICES ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
7. EXISTING DUCT DETECTORS ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY.
8. REMOVE EXISTING EMERGENCY LIGHT FIXTURES DURING DEMOLITION OF ROOF AND RE-INSTALL IN THE SAME LOCATION AFTER ROOF IS RE-INSTALLED. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

#172577
10-03-12

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

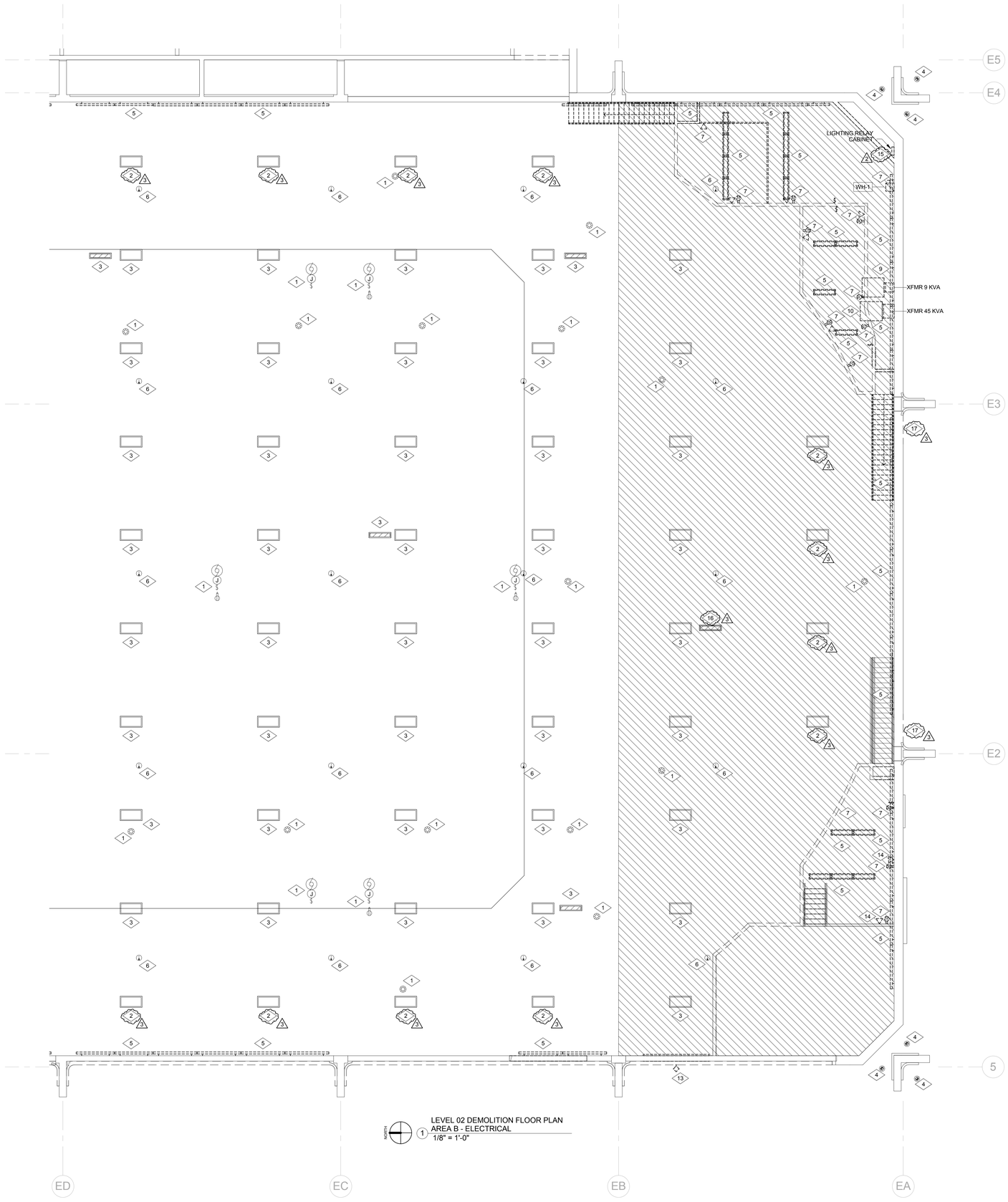
Rev #	Date	Description
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

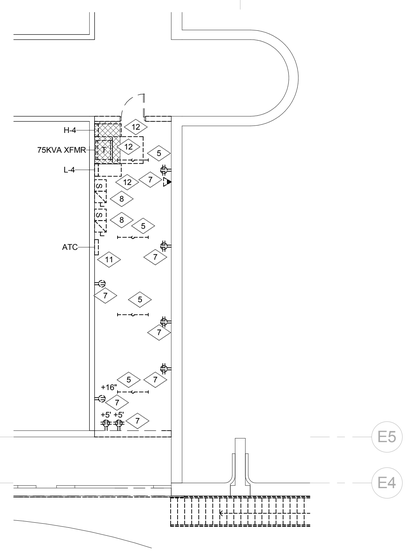
LEVEL 02 DEMOLITION FLOOR PLAN AREA A - ELECTRICAL

ED-102A

10/24/2012 12:08:48 PM



1 LEVEL 02 DEMOLITION FLOOR PLAN AREA B - ELECTRICAL
1/8" = 1'-0"



2 LEVEL 02 ELECTRICAL ROOM DEMOLITION FLOOR PLAN - ELECTRICAL
1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1. UNDER DEMOLITION THE INTENT OF ELECTRICAL WORK IS TO REMOVE ALL ELECTRICAL DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, J-BOXES, FIRE ALARM DEVICES, CAMERAS, BELLS, SPEAKERS, PANELBOARD, VOICE/DATA CABLING, VOICE/DATA OUTLETS, ETC. UNLESS INDICATED OTHERWISE. CONDUITS AND J-BOXES IN CONCRETE, MASONRY, AND BLOCK WALLS CAN BE LEFT IN THE WALLS AND REUSED FOR NEW DEVICES AS POSSIBLE. ALL ELECTRICAL EQUIPMENT INCLUDING LIGHT FIXTURES, PANELBOARDS, ETC., WILL BE NEW. BUILDING SHALL BE STRIPPED OF ALL MATERIALS.
2. ALL MATERIAL MUST BE REMOVED AND DISPOSED OF BY DEMOLITION CONTRACTOR, UNLESS INDICATED OTHERWISE ON DEMOLITION PLANS.
3. EXISTING DEMOLITION MATERIALS CAN NOT BE REUSED UNLESS INDICATED OTHERWISE.
4. ELECTRICAL CONTRACTOR IS TO PROVIDE TEMPORARY LIGHTING AND POWER FOR OTHER TRADES DURING DEMOLITION WORK. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
5. DEMOLITION CONTRACTOR IS TO REMOVE ALL ELECTRICAL CONNECTIONS AND CONTROL WIRING TO ALL THE EXISTING MECHANICAL EQUIPMENT IN THE REMODEL AREA, ETC. AS INDICATED. REMOVE ALL CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARDS. COORDINATE THIS WORK WITH MECHANICAL CONTRACTOR.
6. ALL MATERIALS TO BE REMOVED FROM THE PREMISES BY THE DEMOLITION CONTRACTOR.
7. PRIOR TO SUBMITTING A BID THE DEMOLITION CONTRACTOR SHALL INSPECT THE SITE AND INCLUDED IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS.
8. ANY DAMAGE DONE TO EXISTING EQUIPMENT WHICH IS TO REMAIN WILL BE DEMOLITION CONTRACTOR RESPONSIBILITY TO REPLACE THEM WITH NEW ONES.

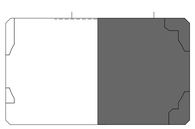
SPECIAL NOTE:

1. CONTRACTOR MUST REFER TO MECHANICAL DEMOLITION WORK FOR ADDITIONAL ELECTRICAL WORK REQUIRED FOR MECHANICAL EQUIPMENTS.
2. AT THE END OF THE PROJECT ALL EXISTING MOTION SENSORS IN THE ENTIRE ARENA MUST BE READY TESTED AND ARMED PROPERLY FOR PROPER OPERATION. THIS WORK MUST BE DONE BY WATTSTOPPER MANUFACTURER REPRESENTATIVE. COORDINATE WITH ENGINEER FOR ZONING OF THE AREAS.
3. RELOCATE ANY CONDUITS FEEDING DEVICES WHICH ARE TO REMAINTHAT ARE RUN INSIDE WALLS THAT ARE TO BE DEMOLISHED.
4. ANY DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, ETC. MOUNTED TO THE CEILING DECK IN THE SHADED AREA IS TO BE TEMPORARILY REMOVED OR SUSPENDED FROM THE JOISTS DURING DEMOLITION OF EXISTING ROOF AND RE-INSTALLED IN THE SAME LOCATIONS AFTER THE ROOF IS RE-INSTALLED. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY. COORDINATE WITH GENERAL CONTRACTOR.

REFERENCE NOTES:

1. EXISTING DEVICES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
2. RAISE EXISTING LIGHT FIXTURES SHOWN AND MOUNT TO THE CEILING DECK. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
3. EXISTING HIGH BAY LIGHT FIXTURE ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
4. EXISTING UNDER CANOPY LIGHT FIXTURES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
5. REMOVE EXISTING LIGHT FIXTURES, LIGHT SWITCHES, OCCUPANCY SENSORS, EXIT SIGNS, AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD WHETHER OR NOT SHOWN ON THE PLANS UNLESS INDICATED OTHERWISE. UTILIZE EXISTING HOME RUNS AS POSSIBLE FOR NEW LIGHT FIXTURES.
6. EXISTING FIRE ALARM DEVICES ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
7. REMOVE EXISTING ELECTRICAL DEVICES AND ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD.
8. RELOCATE EXISTING COMBINATION STARTER/DISCONNECTS TO NEW ELECTRICAL ROOM EAST OF THE EXISTING ARENA. REFER TO SHEET EP-101B. INTERCEPT EXISTING CONDUIT AND CONDUCTORS ABOVE CEILING PLENUM AND EXTEND CONDUIT AND CONDUCTORS TO THEIR NEW LOCATION FOR A COMPLETE INSTALLATION.
9. RELOCATE EXISTING 9 KVA STEP DOWN TRANSFORMER ABOVE CEILING OF 1ST LEVEL. ATTACH THE TRANSFORMER TO THE EXISTING WALL. RE-ROUTE PRIMARY AND SECONDARY FEEDER CONDUIT AND CONDUCTORS TO NEW LOCATION FOR A COMPLETE INSTALLATION. COORDINATE WITH GENERAL CONTRACTOR.
10. RELOCATE EXISTING 45 KVA TRANSFORMER NEXT TO THE AIR HANDLING UNIT ON THE 3RD LEVEL. REFER TO SHEET EP-103B FOR APPROXIMATE LOCATION. RUN NEW PRIMARY AND SECONDARY CONDUIT AND CONDUCTORS IN EXISTING PIPE SHAFT AND NEW WALLS. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT ROUTING OF THE CONDUIT. REFER TO POWER SINGLE LINE DIAGRAM FOR MORE INFORMATION.
11. EXISTING ATC PANEL IS BEING RELOCATED TO THE NEW ELECTRICAL ROOM ON EAST SIDE OF THE EXISTING ARENA. EXTEND EXISTING 120 VOLT POWER TO NEW LOCATION. REFER TO SHEET EP-101B FOR NEW LOCATION. COORDINATE WITH MECHANICAL AND GENERAL CONTRACTOR. DO NOT RUN ANY NEW CONDUIT ON FINISHED WALLS.
12. RELOCATE EXISTING PANEL "H4", "L4" AND 75 KVA STEP DOWN TRANSFORMER TO THE NEW ELECTRICAL ROOM ON EAST SIDE OF THE EXISTING ARENA. REFER TO SHEET EP-101B. INTERCEPT EXISTING FEEDER AND BRANCH CONDUIT AND CONDUCTORS IN CEILING PLENUM OF 1ST LEVEL AND 2ND LEVEL AND EXTEND THEM TO NEW LOCATIONS. DO NOT LEAVE ANY EXPOSED CONDUIT OR BOXES ON THE FINISHED WALLS. PROVIDE WIRING GUTTER, CONDUIT, CONDUCTORS, ETC. FOR A COMPLETE INSTALLATION. POWER OUTAGE MUST BE COORDINATED AHEAD OF TIME WITH WSU. COORDINATE WITH GENERAL CONTRACTOR.
13. REMOVE EXISTING EXTERIOR LIGHT FIXTURES. MAINTAIN CIRCUIT INTEGRITY TO THE REST OF LIGHT FIXTURES WHICH ARE TO REMAIN. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
14. REMOVE EXISTING VOICE/DATA OUTLET ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO THEIR ORIGINATION POINTS.
15. RELOCATE EXISTING LIGHTING RELAY CABINET TO THE CLEARSTORY LEDGE ABOVE. PROVIDE UNISTRUT SUPPORTS. EXTEND ALL EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION.
16. REMOVE EXISTING EMERGENCY LIGHT FIXTURES DURING DEMOLITION OF ROOF AND RE-INSTALL IN THE SAME LOCATION AFTER ROOF IS RE-INSTALLED. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
17. EXISTING WALL IS BEING OPENED FOR NEW WINDOW. REROUTE ANY EXISTING CONDUIT AND CONDUCTORS IN THIS WALL TO ALLOW INTALLATION OF NEW WINDOW AND OPENINGS. COORDINATE WITH GENERAL CONTRACTOR.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

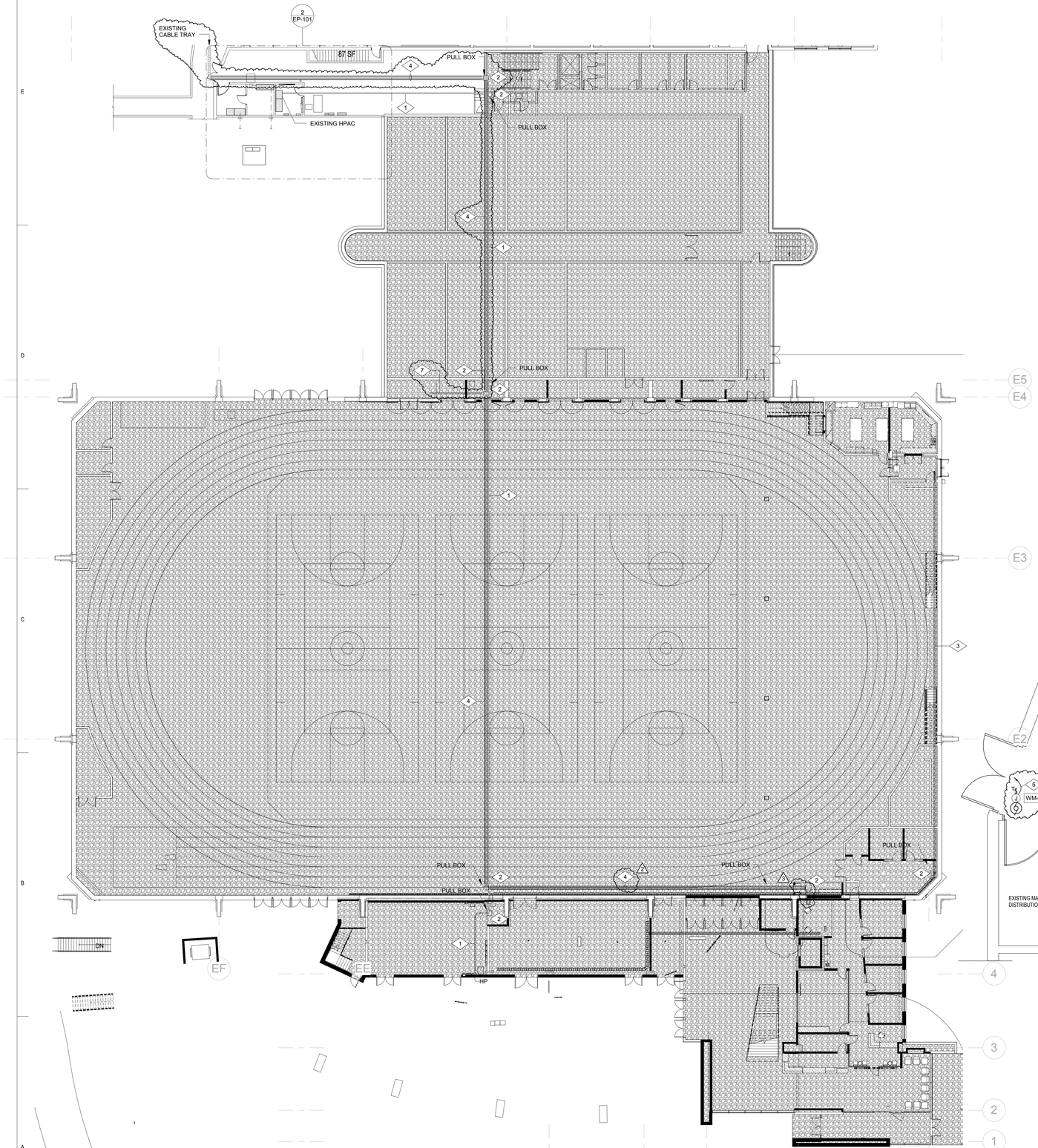
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

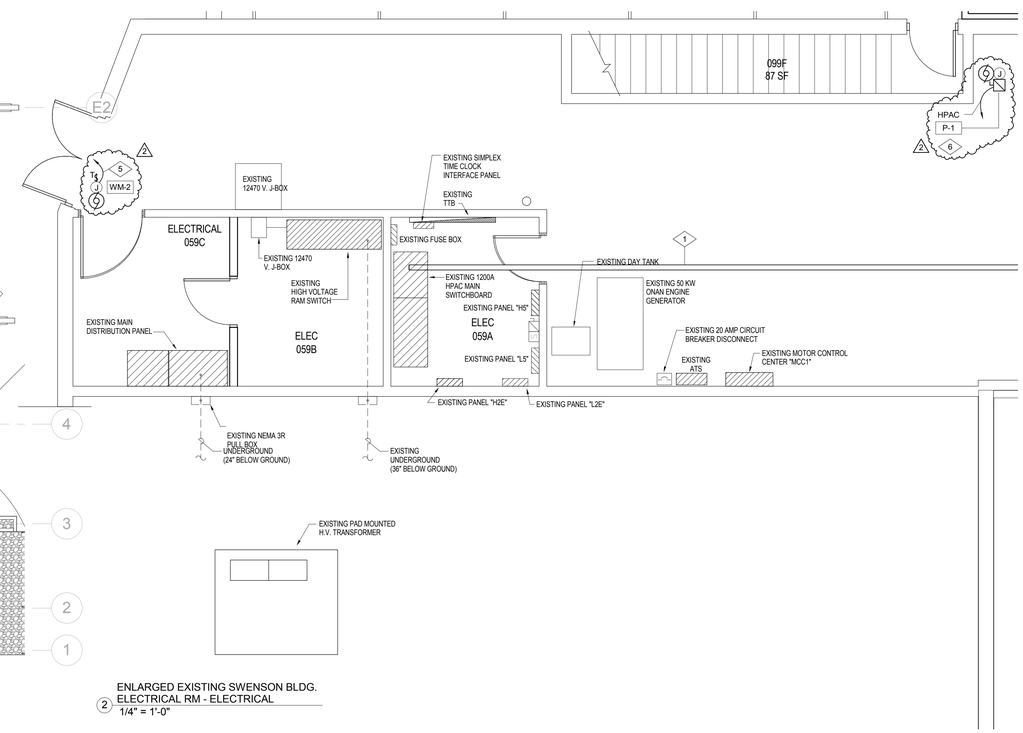
LEVEL 02 DEMOLITION FLOOR PLAN AREA B - ELECTRICAL

ED-102B

10/24/2012 12:08:50 PM



1 LEVEL 01 OVERALL - ELECTRICAL
1/16" = 1'-0"



2 ENLARGED EXISTING SWENSON BLDG. ELECTRICAL RM - ELECTRICAL
1/4" = 1'-0"

REFERENCE NOTES:

1. RUN (2) 3" CONDUIT FROM EXISTING SWITCHBOARD "HPAC" TO NEW PANEL "HP". FOLLOW ROUTING OF NEW MECHANICAL PIPING. SEE MECHANICAL SHEETS FOR ROUTING OF PIPING.
2. FURNISH AND INSTALL A NEW PULL BOX IN THE APPROXIMATE LOCATION SHOWN.
3. RUN 1-1/2" CONDUIT FROM EXISTING EMERGENCY PANEL "H1E" TO NEW EMERGENCY PANEL "D3E" AS SHOWN.
4. RUN (2) 4" CONDUITS AND (2) 2" CONDUITS FROM THE EXISTING CABLE TRAY TO NEW COMMUNICATIONS ROOM AS SHOWN.
5. TIE WATER METER TO THE NEAREST 120 VOLT CIRCUIT.
6. TIE PUMP P-1 TO A NEW 60A, 480, 3-PHASE CIRCUIT BREAKER IN EXISTING PANEL "HPAC". NEW CIRCUIT BREAKER IS TO BE THE SAME TYPE AND RATING AS EXISTING.
7. RUN (1) ONE 3" C. FROM EXISTING COMMUNICATIONS ROOM TO NEW PULL BOX AS SHOWN.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

#172577
10-03-12

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

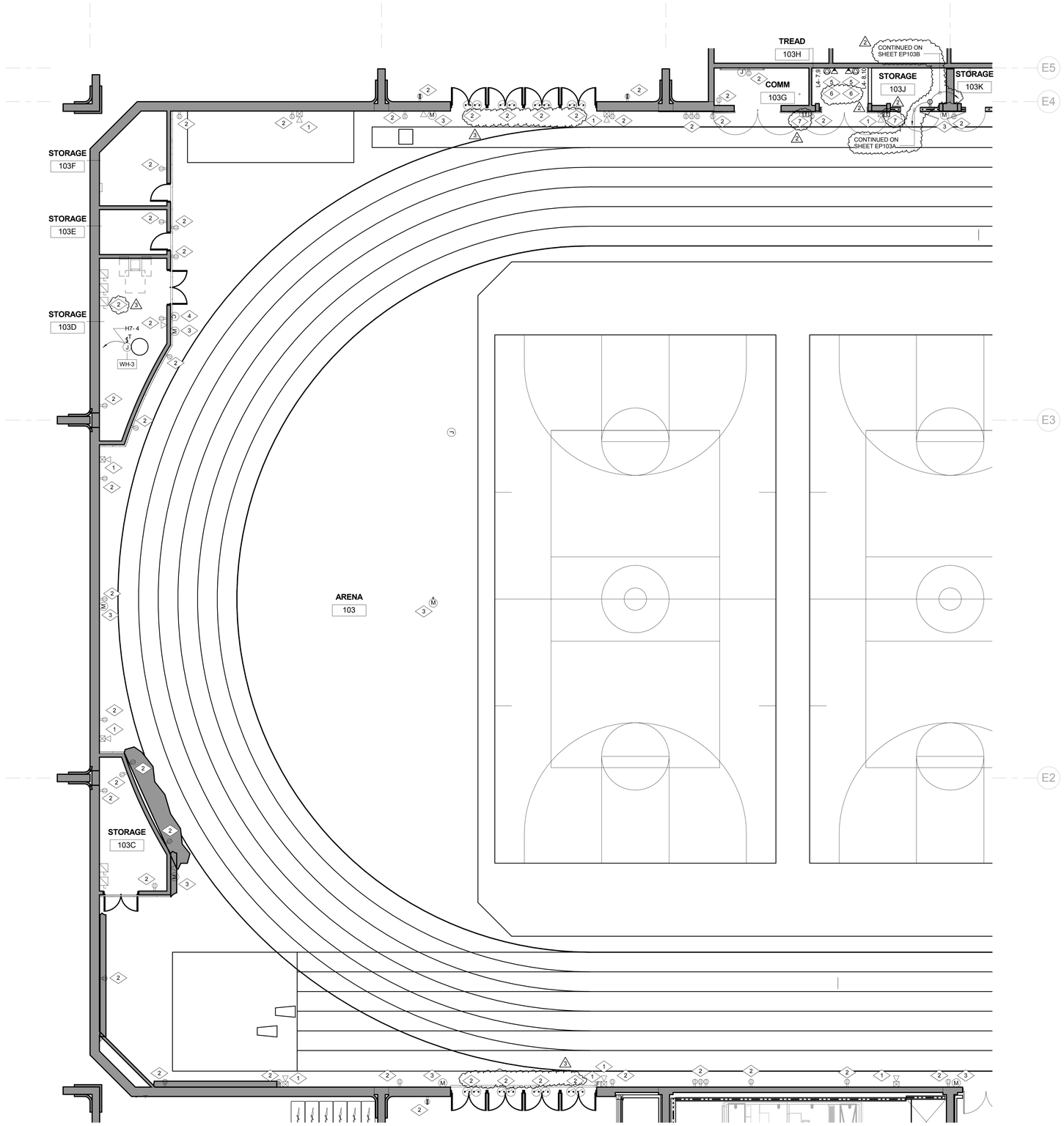
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 01 OVERALL - ELECTRICAL

EP-101

10/24/2012 12:09:16 PM

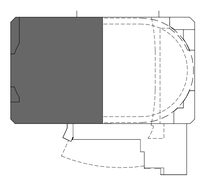


LEVEL 01 FLOOR PLAN AREA A - ELECTRICAL
1/8" = 1'-0"

REFERENCE NOTES:

1. EXISTING FIRE ALARM DEVICES ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
2. EXISTING DEVICES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
3. EXISTING MICROPHONE IS TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
4. EXISTING CLOCK IS TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
5. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR VOICE/DATA JACKS IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 1" CONDUITS FROM THE J-BOX TO THE NEAREST COMMUNICATION ROOM OR CABLE TRAY. PROVIDE A PLASTIC BUSHING. INSERT PULL STRING AND LABEL.
6. COORDINATE WITH WEBER STATE FOR EXACT NEMA TYPE FOR TREADMILL OUTLET.
7. TIE MAGNETIC DOOR HOLDERS TO FIRE ALARM CONTROL PANEL FOR AUTOMATIC RELEASE. PROVIDE CONDUIT AND CONDUCTORS FOR COMPLETE INSTALLATION.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

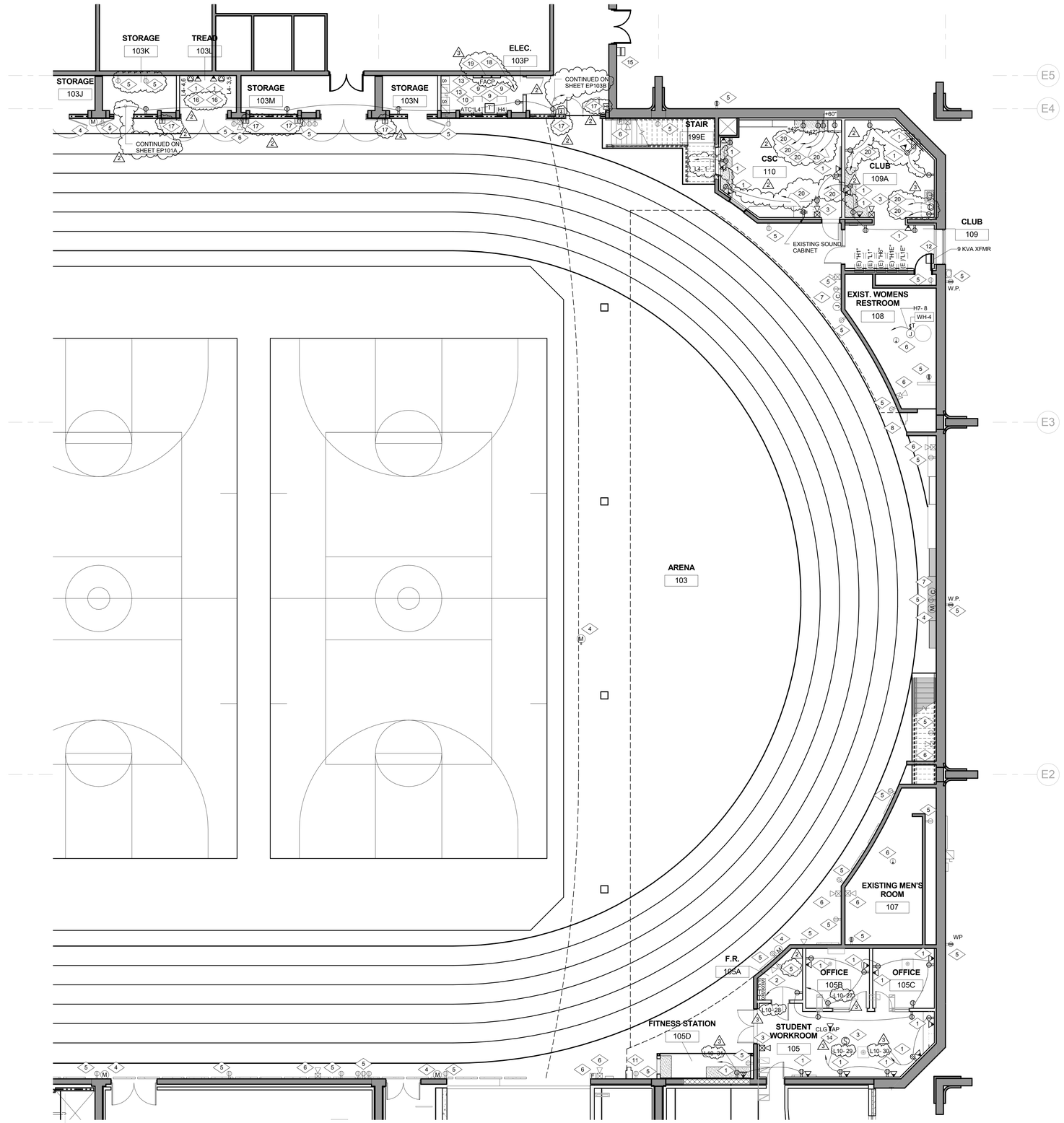
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 01 FLOOR PLAN
AREA A - ELECTRICAL

EP-101A

10/24/2012 12:09:17 PM

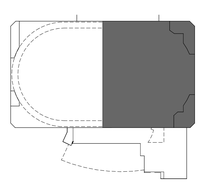


1 LEVEL 01 FLOOR PLAN AREA B - ELECTRICAL
1/8" = 1'-0"

REFERENCE NOTES:

1. FURNISH AND INSTALL A 4"X4"X2-1/8" DEEP BOX FOR VOICE/DATA JACKS IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 1" CONDUITS FROM THE J-BOX TO THE NEAREST COMMUNICATION ROOM OR CABLE TRAY. PROVIDE A PLASTIC BUSHING. INSERT PULL STRING AND LABEL.
2. TIE TAMPER AND FLOW SWITCH TO THE EXISTING FIRE ALARM CONTROL PANEL. PROVIDE MONITOR MODULES, RELAYS, ETC. AS REQUIRED.
3. FURNISH AND INSTALL NEW ADDRESSABLE FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE FIRE ALARM SYSTEM IN CLASS "A" LOOP. IN AND OUT CIRCUITS SHALL RUN IN SEPARATE CONDUITS. REFER TO THE FIRE ALARM RISER AND SPECIFICATIONS FOR MORE INFORMATION.
4. EXISTING MICROPHONE IS TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
5. EXISTING DEVICES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
6. EXISTING FIRE ALARM DEVICES ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
7. EXISTING CLOCK IS TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
8. EXISTING SECURITY CAMERA TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
9. NEW LOCATIONS FOR EXISTING PANEL "H4, "L4" AND 45 KVA STEP DOWN TRANSFORMER. EXTEND ALL BRANCH CIRCUIT FEEDER CONDUIT AND CONDUCTORS TO NEW LOCATIONS FOR A COMPLETE INSTALLATION.
10. NEW LOCATION OF EXISTING ATC PANEL. EXTEND EXISTING POWER CONDUIT AND CONDUCTORS TO NEW LOCATION FOR A COMPLETE INSTALLATION.
11. FURNISH AND INSTALL J-BOXES FOR FUTURE SECURITY SYSTEM IN THE APPROXIMATE LOCATINS AS SHOWN. RUN A 3/4" CONDUIT FROM J-BOX TO THE NEAREST CABLE TRAY OR COMMUNICATION ROOM. COORDINATE WORK FOR EXACT LOCATION.
12. INSTALL EXISTING 9 KVA TRANSFORMER ABOVE THE CEILING IN THE APPROXIMATE LOCATION SHOWN. EXTEND PRIMARY AND SECONDARY FEEDER CONDUIT AND CONDUCTORS TO NEW LOCATION FOR A COMPLETE INSTALLATION.
13. NEW LOCATIONS OF EXISTING COMBO STARTER/DISCONNECTS. EXTEND EXISTING POWER CONDUIT AND CONDUCTORS TO NEW LOCATION FOR A COMPLETE INSTALLATION.
14. FURNISH AND INSTALL A 4"X4"X2-1/8" J-BOX ON THE CEILING IN THE APPROXIMATE LOCATION SHOWN FOR AIRFLOW'S ACCESS POINT. COORDINATE EXACT LOCATION WITH WSU. RUN A 1" CONDUIT FROM J-BOX TO COMMUNICATION ROOM. INSERT PULL STRING AND LABEL.
15. FURNISH AND INSTALL A J-BOX IN OUTSIDE WALL FOR FUTURE CARD READER. RUN A 3/4" CONDUIT FROM THIS J-BOX TO A J-BOX INSIDE THE BUILDING IN CEILING PLENUM. RUN A CONDUIT FROM THE DOOR JAM TO THE SECURITY J-BOX. COORDINATE THIS WORK WITH I.T. SHOP AND ARCHITECT. SEE CARD READER DETAIL FOR MORE INFORMATION.
16. COORDINATE WITH WEBER STATE FOR EXACT NEMA TYPE FOR TREADMILL OUTLET.
17. TIE MAGNETIC DOOR HOLDERS TO FIRE ALARM CONTROL PANEL FOR AUTOMATIC RELEASE. PROVIDE CONDUIT AND CONDUCTORS FOR COMPLETE INSTALLATION.
18. TIE NEW FIRE ALARM CONTROL PANEL TO A SPARE 120 VOLT, 20 AMP CIRCUIT BREAKER IN EXISTING EMERGENCY PANEL "L1E".
19. FURNISH AND INSTALL A NEW NOTIFIER NFS2-3030 FIRE ALARM CONTROL PANEL IN THE APPROXIMATE LOCATION SHOWN. EXTEND ALL CONDUIT, CONDUCTORS, EXISTING FIRE ALARM LOOPS, ETC. TO THE NEW PANEL. TIE TO 120 VOLT, EMERGENCY CIRCUIT AS SHOWN.
20. TIE TO A 120V, 20A CIRCUIT IN EXISTING PANEL WITH AVAILABLE CAPACITY.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

#172577
10-03-12

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

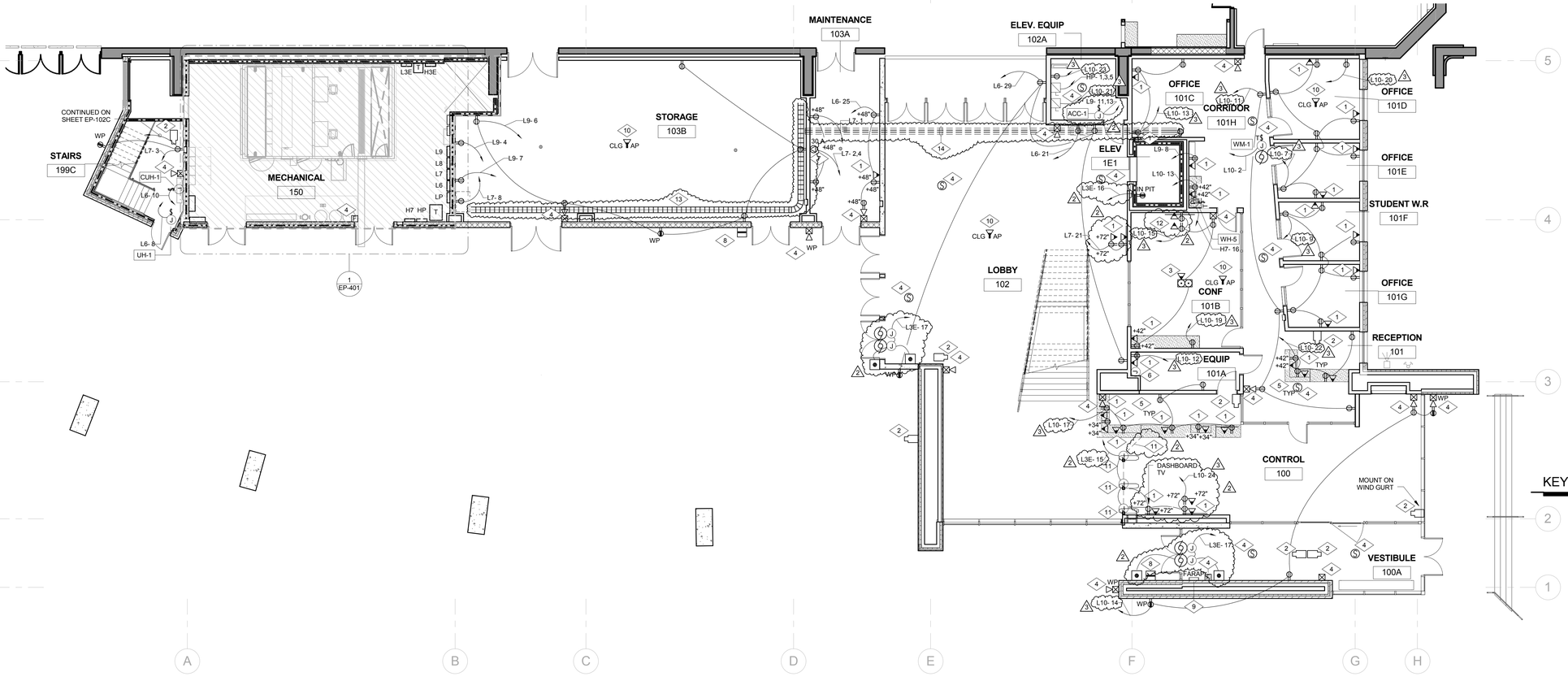
LEVEL 01 FLOOR PLAN
AREA B - ELECTRICAL

EP-101B

10/24/2012 12:09:19 PM

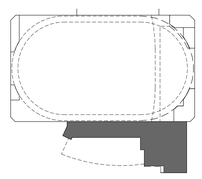
REFERENCE NOTES:

1. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR VOICE/DATA JACKS IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 1" CONDUITS FROM THE J-BOX TO THE NEAREST COMMUNICATION ROOM OR CABLE TRAY. PROVIDE A PLASTIC BUSHING. INSERT PULL STRING AND LABEL.
2. FURNISH AND INSTALL J-BOXES FOR FUTURE SECURITY SYSTEM IN THE APPROXIMATE LOCATINS AS SHOWN. RUN A 3/4" CONDUIT FROM J-BOX TO THE NEAREST CABLE TRAY OR COMMUNICATION ROOM. COORDINATE WORK FOR EXACT LOCATION.
3. FURNISH AND INSTALL NEW FLUSH FLOOR OUTLET (HUBBELL #HBLCF8401BASE/HBLTCGNTBKSW/HBLDE301SGY) WITH TWO DUPLEX OUTLETS AND BLACK COVER PLATE. RUN TWO (2) 1" CONDUITS FOR VOICE/DATA TO NEAREST COMMUNICATIONS ROOM OR CABLE TRAY. RUN AN ADDITIONAL 1" CONDUIT TO THE DATA BOX UNDER THE TV. COORDINATE THE EXACT LOCATION WITH THE ARCHITECT AND OWNER PRIOR TO ROUGH IN. RUN (2)1" CONDUITS FROM THE FLOOR BOX TO COMMUNICATION ROOM. PROVIDE PULL STRING AND LABEL.
4. FURNISH AND INSTALL NEW ADDRESSABLE FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE FIRE ALARM SYSTEM IN CLASS "A" LOOP. IN AND OUT CIRCUITS SHALL RUN IN SEPARATE CONDUITS. REFER TO THE FIRE ALARM RISER AND SPECIFICATIONS FOR MORE INFORMATION.
5. INSTALL THE DEVICES IN THE APPROXIMATE LOCATION IN THE MILLWORK. COORDINATE THE EXACT LOCATIONS OF OUTLETS, STUB-UPS, AND CONDUIT ROUTES WITH THE MILLWORK SUPPLIER PRIOR TO ROUGH IN.
6. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR A/V IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 2" CONDUITS FROM THE J-BOX TO THE NEAREST COMMUNICATION ROOM OR CABLE TRAY. PROVIDE A PLASTIC BUSHING. INSERT PULL STRING AND LABEL.
7. SPECIAL OUTLET. 2#10, 1#10 NEUTRAL, 1#10 GROUND. VERIFY NEMA TYPE WITH WSU ELECTRICAL SHOP.
8. FURNISH AND INSTALL A J-BOX IN OUTSIDE WALL FOR FUTURE CARD READER. RUN A 3/4" CONDUIT FROM THIS J-BOX TO A J-BOX INSIDE THE BUILDING IN CEILING PLENUM. RUN A CONDUIT FROM THE DOOR JAM TO THE SECURITY J-BOX. COORDINATE THIS WORK WITH I.T. SHOP AND ARCHITECT. SEE CARD READER DETAIL FOR MORE INFORMATION.
9. FURNISH AND INSTALL FIRE ALARM REMOTE ANNUNCIATION PANEL IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE NEW FIRE ALARM CONTROL PANEL.
10. FURNISH AND INSTALL A 4"X4"X2 1/8" J-BOX ON THE CEILING IN THE APPROXIMATE LOCATION SHOWN FOR WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH WSU. RUN A 1" CONDUIT FROM J-BOX TO COMMUNICATION ROOM. INSERT PULL STRING AND LABEL.
11. RUN 1" CONDUIT FROM EACH TURNSTILE BACK TO RECEPTIONIST DESK. COORDINATE EXACT STUB UP LOCATION WITH WSU. ISNERT PULL STRING AND LABEL. TIE TO CIRCUIT INDICATED.
12. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR VOICE/DATA JACKS IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 1" CONDUITS FROM THE J-BOX TO THE A/V BOX IN EQUIPMENT ROOM 101A. INSERT PULL STRING AND LABEL.
13. FURNISH AND INSTALL A 12" WIDE LADDER TYPE ALUMINUM CABLE TRAY. CENTER HUNG WITH 6" RUNG SPACING, 4" HIGH B-LINE OR APPROVED EQUAL. SUPPORT THE CABLE TRAY WITH 1/2" THREADED RODS EVERY 6'-0" AT EACH CORNER AND JOINTS. PROVIDE BONDING JUMPER AT ALL THE JOINTS AND GROUND THE TRAY WITH #6 THHN GROUND CONDUCTOR TO GROUND BUS BAR IN COMMUNICATION ROOM. COORDINATE WITH ARCHITECT FOR EXACT HEIGHT AND LOCATION.
14. RUN THREE (3) 3" CONDUIT FROM THE CABLE TRAY IN STORAGE 103B TO COMMUNICATION ROOM 201. STUB THE CONDUIT 3" A.F.F. COORDINATE WITH WSU NETCOM FOR EXACT LOCATION OF STUB UPS.



LEVEL 01 FLOOR PLAN AREA C - ELECTRICAL
1/8" = 1'-0"

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

#172577
10-03-12

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

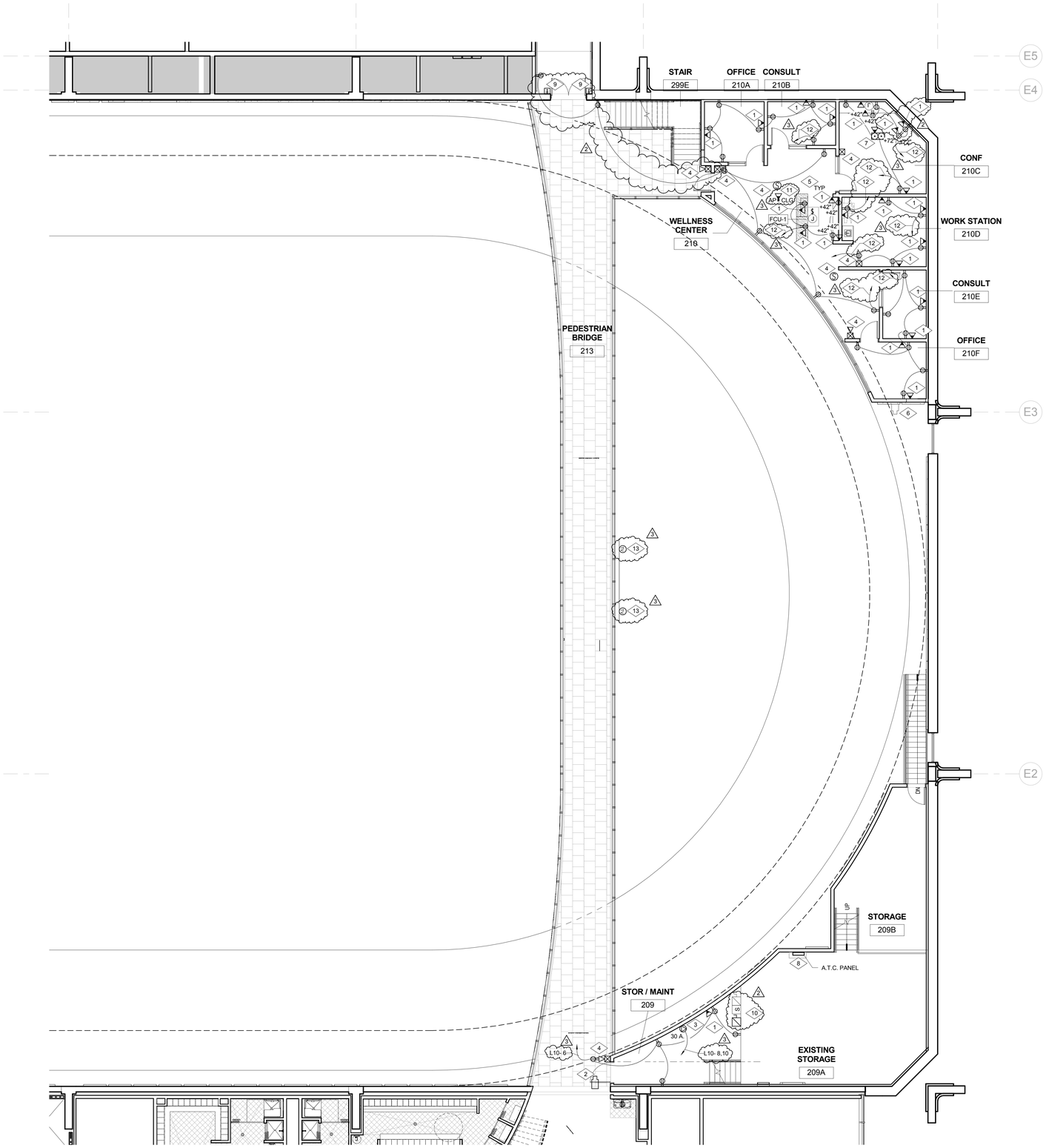
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 01 FLOOR PLAN
AREA C - ELECTRICAL

EP-101C

10/24/2012 12:09:21 PM

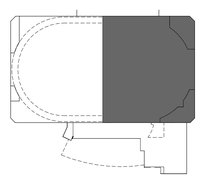


LEVEL 02 FLOOR PLAN AREA B - ELECTRICAL
1/8" = 1'-0"

REFERENCE NOTES:

1. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR VOICE/DATA JACKS IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 1" CONDUITS FROM THE J-BOX TO THE NEAREST COMMUNICATION ROOM OR CABLE TRAY. PROVIDE A PLASTIC BUSHING. INSERT PULL STRING AND LABEL.
2. FURNISH AND INSTALL J-BOXES FOR FUTURE SECURITY SYSTEM IN THE APPROXIMATE LOCATINS AS SHOWN. RUN A 3/4" CONDUIT FROM J-BOX TO THE NEAREST CABLE TRAY OR COMMUNICATION ROOM. COORDINATE WORK FOR EXACT LOCATION.
3. SPECIAL OUTLET. 2#10, 1#10 NEUTRAL, 1#10 GROUND. VERIFY NEMA TYPE WITH WSU ELECTRICAL SHOP.
4. FURNISH AND INSTALL NEW ADDRESSABLE FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE FIRE ALARM SYSTEM IN CLASS "A" LOOP. IN AND OUT CIRCUITS SHALL RUN IN SEPARATE CONDUITS. REFER TO THE FIRE ALARM RISER AND SPECIFICATIONS FOR MORE INFORMATION.
5. INSTALL THE DEVICES IN THE APPROXIMATE LOCATION IN THE MILLWORK. COORDINATE THE EXACT LOCATIONS OF OUTLETS, STUB-UPS, AND CONDUIT ROUTES WITH THE MILLWORK SUPPLIER PRIOR TO ROUGH IN.
6. EXISTING SECURITY CAMERA TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
7. FURNISH AND INSTALL NEW FLUSH POKE THRU (HUBBELL #S1PTAVFIT/S1SP/S1*FCBL WITH DUPLEX OUTLET AND BLACK COVER PLATE. RUN TWO (2) 1" CONDUITS FOR VOICE/DATA TO NEAREST COMMUNICATIONS ROOM OR CABLE TRAY. RUN AN ADDITIONAL 1" CONDUIT TO THE DATA BOX UNDER THE TV. COORDINATE THE EXACT LOCATION WITH THE ARCHITECT AND OWNER PRIOR TO ROUGH IN.
8. NEW LOCATION OF EXISTING A.T.C. PANEL. EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION FOR A COMPLETE INSTALLATION.
9. TIE DOORETTO DOOR HOLDERS TO FIRE ALARM CONTROL PANEL FOR AUTOMATIC RELEASE. PROVIDE CONDUIT AND CONDUCTORS FOR COMPLETE INSTALLATION.
10. NEW LOCATION OF EXISTING 50A COMBO STARTER/DISCONNEC AND 30A DISCONNECT. EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION.
11. FURNISH AND INSTALL A 4"X4"X2-1/8" J-BOX ON THE CEILING IN THE APPROXIMATE LOCATION SHOWN FOR WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH WSU. RUN A 1" CONDUIT FROM J-BOX TO COMMUNICATION ROOM. INSERT PULL STRING AND LABEL.
12. TIE TO A 120V, 20A CIRCUIT IN EXISTING PANEL WITH AVAILABLE CAPACITY.
13. NEW LOCATION OF EXISTING TV'S. EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION. REINSTALL EXISTING SUPPORTS. COORDINATE EXACT LOCATION WITH ARCHITECT.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

#172577
10-03-12

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

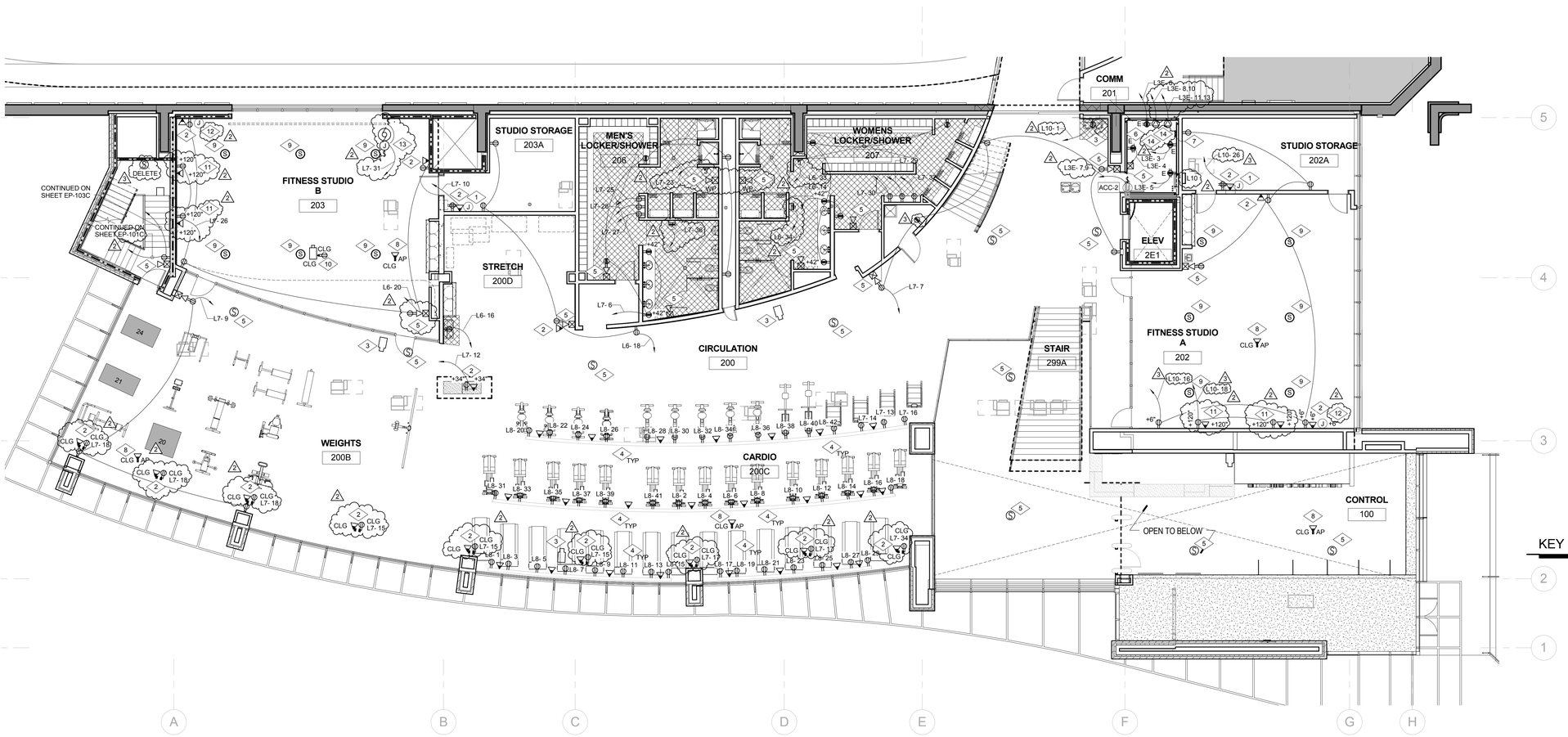
LEVEL 02 FLOOR PLAN
AREA B - ELECTRICAL

EP-102B

10/24/2012 12:09:23 PM

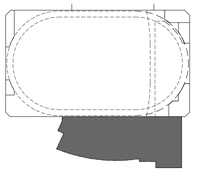
REFERENCE NOTES:

1. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR A/V IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 2" CONDUITS FROM THE J-BOX TO THE NEAREST COMMUNICATION ROOM OR CABLE TRAY. PROVIDE A PLASTIC BUSHING. INSERT PULL STRING AND LABEL.
2. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR VOICE/DATA JACKS IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 1" CONDUITS FROM THE J-BOX TO THE NEAREST COMMUNICATION ROOM OR CABLE TRAY. PROVIDE A PLASTIC BUSHING. INSERT PULL STRING AND LABEL.
3. FURNISH AND INSTALL J-BOXES FOR FUTURE SECURITY SYSTEM IN THE APPROXIMATE LOCATINS AS SHOWN. RUN A 3/4" CONDUIT FROM J-BOX TO THE NEAREST CABLE TRAY OR COMMUNICATION ROOM. COORDINATE WORK FOR EXACT LOCATION.
4. FURNISH AND INSTALL WIREMOLD G4000 WITH A SEPARATE COMPARTMENT FOR POWER AND DATA ON THE WALL IN THE APPROXIMATE LOCATION AS SHOWN. RUN ONE (1) 1" CONDUIT FROM EACH END OF WIREMOLD COMMUNICATION COMPARTMENT TO THE CABLE TRAY. INSERT PULL WIRE AND LABEL CONDUIT. FURNISH AND INSTALL ALL ACCESSORIES AS REQUIRED. FURNISH AND INSTALL COVERPLATES FOR OWNER FURNISHED COMMUNICATION OUTLETS.
5. FURNISH AND INSTALL NEW ADDRESSABLE FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE FIRE ALARM SYSTEM IN CLASS "A" LOOP. IN AND OUT CIRCUITS SHALL RUN IN SEPARATE CONDUITS. REFER TO THE FIRE ALARM RISER AND SPECIFICATIONS FOR MORE INFORMATION.
6. FURNISH AND INSTALL SHEET OF FIRE TREATED PLYWOOD ON THE WALL IN THE APPROXIMATE LOCATION SHOWN. PAINT WITH (2) TWO COATS OF WHITE FIRE RETARDANT PAINT.
7. FURNISH AND INSTALL AN ISOLATED COPPER GROUND BUS BAR IN THE APPROXIMATE LOCATION SHOWN. REFER TO GROUND BUS BAR DETAIL 3 FOR MORE INFORMATION. TIE GROUND BUS BAR TO THE BUS BAR IN PANEL "HP" AS WELL AS THE BUILDING STEEL. UTILIZE #2 CONDUCTORS. COORDINATE EXACT LOCATION AND HEIGHT OF GROUND BUS BAR WITH ARCHITECT.
8. FURNISH AND INSTALL A 4"X4"X2-1/8" J-BOX ON THE CEILING IN THE APPROXIMATE LOCATION SHOWN FOR WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH WSU. RUN A 1" CONDUIT FROM J-BOX TO COMMUNICATION ROOM. INSERT PULL STRING AND LABEL.
9. CEILING MOUNTED SPEAKER SHOWN FOR REFERENCE ONLY. SPEAKERS AND CABLING WILL BE PROVIDED BY OTHERS.
10. MOUNT OUTLET TO THE CEILING FOR CEILING MOUNTED PROJECTOR. COORDINATE EXACT LOCATION WITH WSU.
11. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR VOICE/DATA JACKS IN THE APPROXIMATE LOCATION SHOWN. RUN TWO (2) 1" CONDUITS FROM THE J-BOX TO THE A/V BOX IN STUDIO STORAGE. INSERT PULL STRING AND LABEL.
12. FURNISH AND INSTALL A 4"X4"X2 1/8" DEEP BOX FOR IPOD JACK IN THE APPROXIMATE LOCATION SHOWN. RUN A 1" CONDUIT FROM THE J-BOX TO THE MEDIA CABINET IN STUDIO STORAGE. INSERT PULL STRING AND LABEL.
13. PROVIDE POWER TO PROJECTOR SCREEN. TIE TO SCREEN CONTROLLER IN THE APPROXIMATE LOCATION SHOWN. SCREEN CONTROLLER IS FURNISHED WITH THE SCREEN.
14. FURNISH AND INSTALL A 208 VOLT,1-PHASE, 20 AMP SPECIAL OUTLET IN THE APPROXIMATE LOCATION SHOWN. PROVIDE NEMA L6-20R RECEPTACLE. COORDINATE EXACT LOCATION WITH WSU.



LEVEL 02 FLOOR PLAN AREA C - ELECTRICAL
1/8" = 1'-0"

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

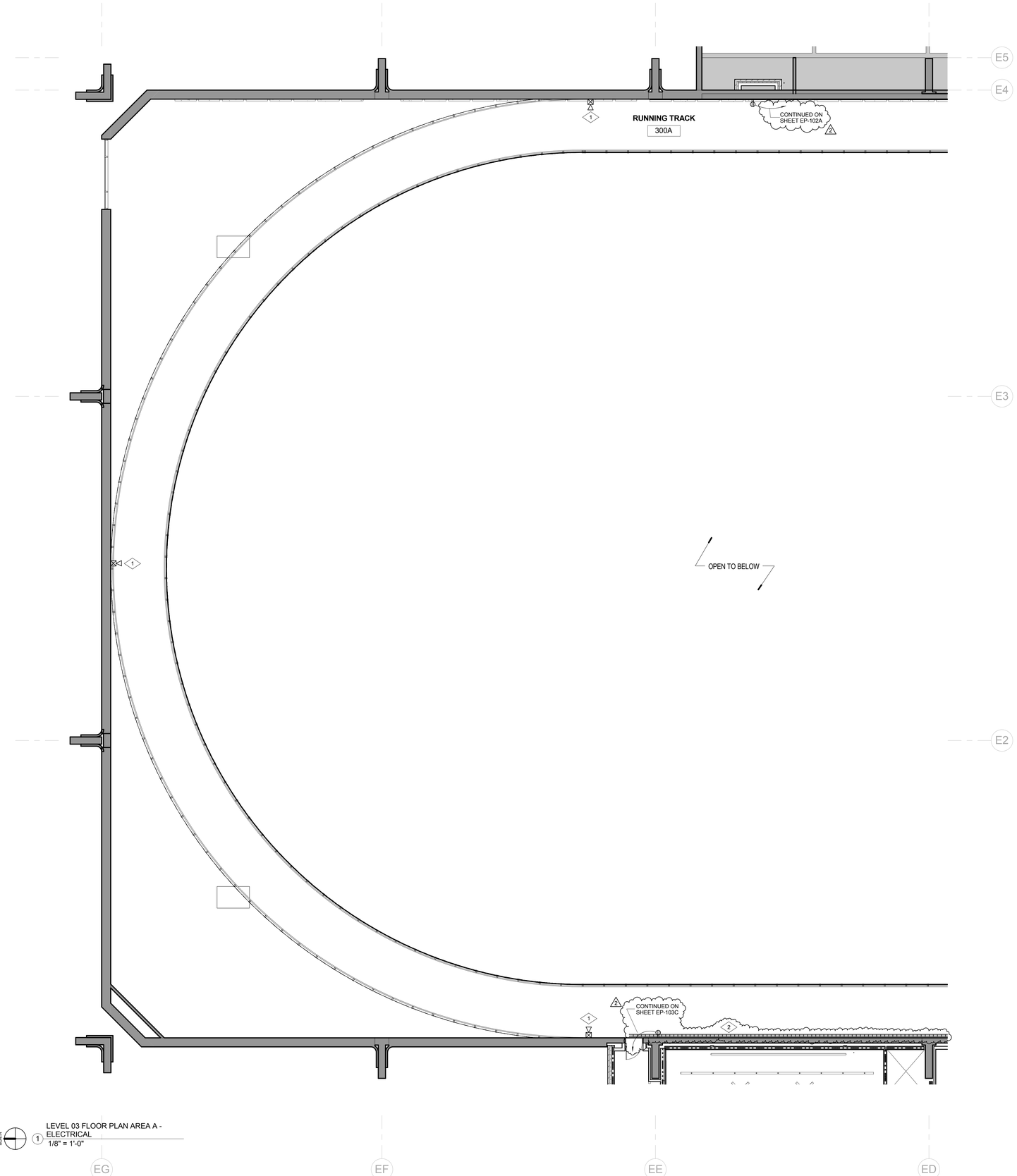
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 02 FLOOR PLAN
AREA C - ELECTRICAL

EP-102C

10/24/2012 12:09:29 PM

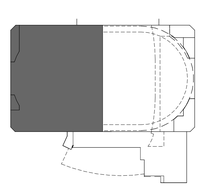


LEVEL 03 FLOOR PLAN AREA A - ELECTRICAL
1/8" = 1'-0"

REFERENCE NOTES:

1. FURNISH AND INSTALL NEW ADDRESSABLE FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE FIRE ALARM SYSTEM IN CLASS "A" LOOP. IN AND OUT CIRCUITS SHALL RUN IN SEPARATE CONDUITS. REFER TO THE FIRE ALARM RISER AND SPECIFICATIONS FOR MORE INFORMATION.
2. FURNISH AND INSTALL A 6" WIDE LADDER TYPE ALUMINUM CABLE TRAY. CENTER HUNG WITH 6" RUNG SPACING, 4" HIGH B-LINE OR APPROVED EQUAL. INSTALL CABLE TRAY ON CLEARSTORY LEDGE ABOVE. PROVIDE BONDING JUMPER AT ALL THE JOINTS AND GROUND THE TRAY WITH #6 THHN GROUND CONDUCTOR TO GROUND BUS BAR IN COMMUNICATION ROOM. COORDINATE WITH WSU FOR EXACT LOCATION.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

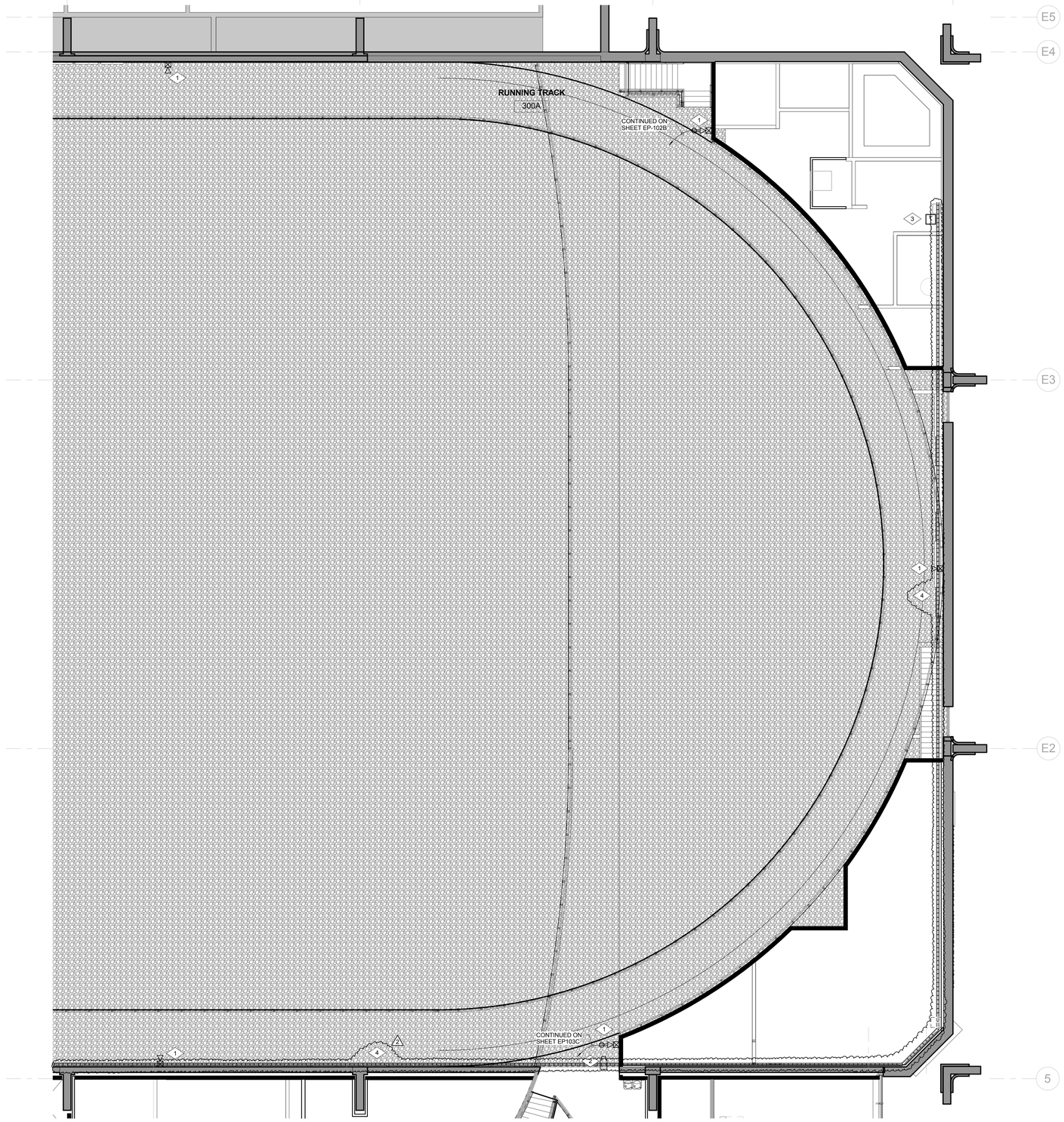
Rev #	Date	Description
2	10-19-12	Add #3

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 03 FLOOR PLAN
AREA A - ELECTRICAL

EP-103A

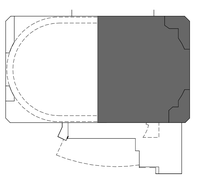
10/24/2012 12:09:32 PM



REFERENCE NOTES:

1. FURNISH AND INSTALL NEW ADDRESSABLE FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE FIRE ALARM SYSTEM IN CLASS "A" LOOP. IN AND OUT CIRCUITS SHALL RUN IN SEPARATE CONDUITS. REFER TO THE FIRE ALARM RISER AND SPECIFICATIONS FOR MORE INFORMATION.
2. FURNISH AND INSTALL J-BOXES FOR FUTURE SECURITY SYSTEM IN THE APPROXIMATE LOCATINS AS SHOWN. RUN A 3/4" CONDUIT FROM J-BOX TO THE NEAREST CABLE TRAY OR COMMUNICATION ROOM. COORDINATE WORK FOR EXACT LOCATION.
3. INSTALL EXISTING 45 KVA TRANSFORMER NEXT TO THE AIR HANDLING UNIT ON THE 3RD LEVEL IN THE APPROXIMATE LOCATION SHOWN. RUN NEW PRIMARY AND SECONDARY CONDUIT AND CONDUCTORS IN EXISTING PIPE SHAFT AND NEW WALLS. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT ROUTING OF THE CONDUIT. REFER TO POWER SINGLE LINE DIAGRAM FOR MORE INFORMATION.
4. FURNISH AND INSTALL A 6" WIDE LADDER TYPE ALUMINUM CABLE TRAY CENTER HUNG WITH 6" RUNG SPACING, 4" HIGH B-LINE OR APPROVED EQUAL. INSTALL CABLE TRAY ON CLEARSTORY LEDGE ABOVE. PROVIDE BONDING JUMPER AT ALL THE JOINTS AND GROUND THE TRAY WITH #6 THHN GROUND CONDUCTOR TO GROUND BUS BAR IN COMMUNICATION ROOM. COORDINATE WITH WSU FOR EXACT LOCATION.

KEY PLAN



NORTH

1 LEVEL 03 FLOOR PLAN AREA B - ELECTRICAL
1/8" = 1'-0"

ED C DEC E EEF G H EA

10/24/2012 12:09:41 PM

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

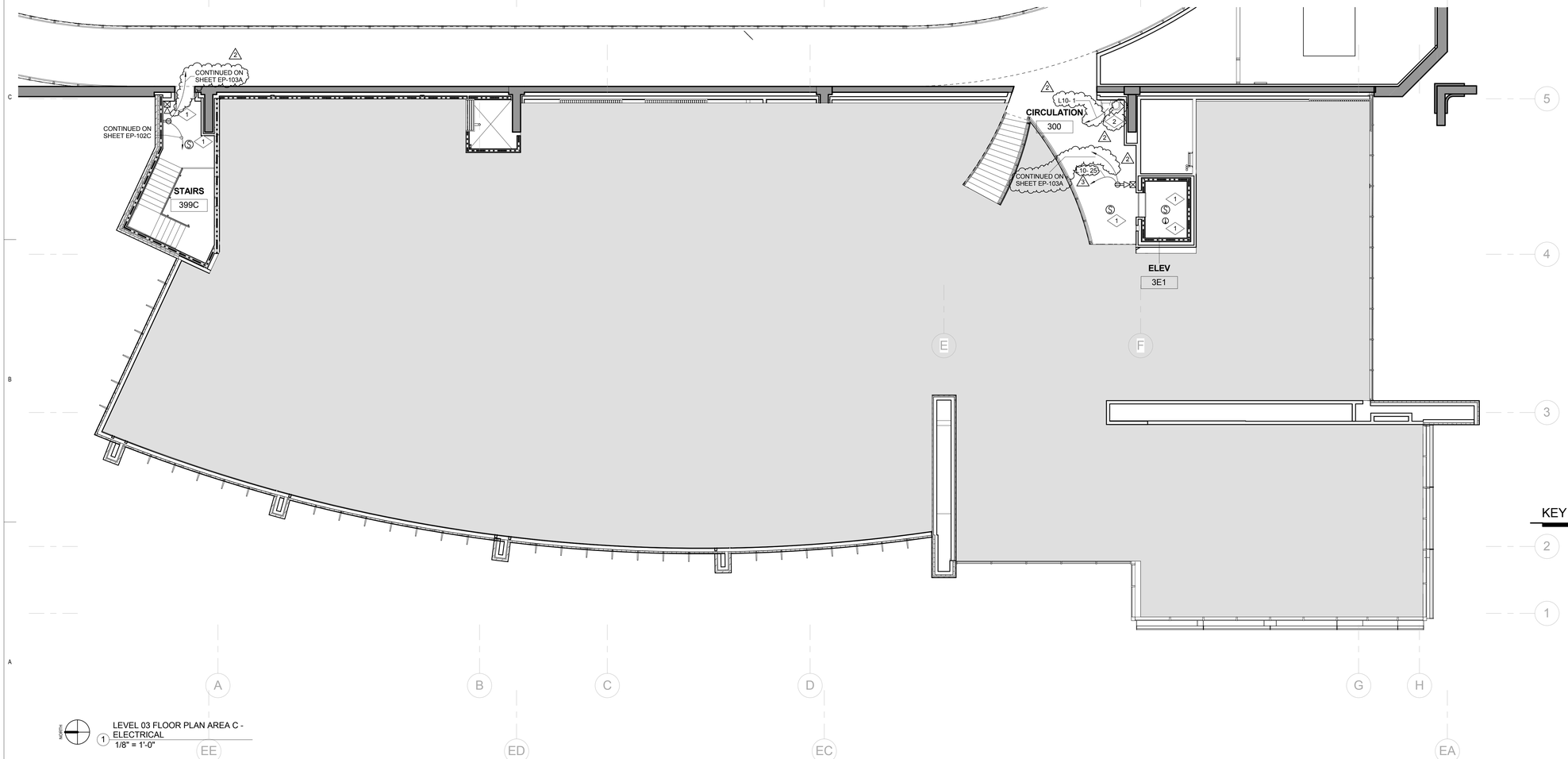
LEVEL 03 FLOOR PLAN
AREA B - ELECTRICAL

EP-103B

REFERENCE NOTES:

1 FURNISH AND INSTALL NEW ADDRESSABLE FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE FIRE ALARM SYSTEM IN CLASS "A" LOOP. IN AND OUT CIRCUITS SHALL RUN IN SEPARATE CONDUITS. REFER TO THE FIRE ALARM RISER AND SPECIFICATIONS FOR MORE INFORMATION.

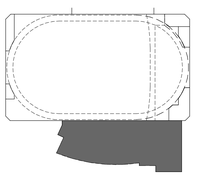
2 FURNISH AND INSTALL J-BOXES FOR FUTURE SECURITY SYSTEM IN THE APPROXIMATE LOCATINS AS SHOWN. RUN A 3/4" CONDUIT FROM J-BOX TO THE NEAREST CABLE TRAY OR COMMUNICATION ROOM. COORDINATE WORK FOR EXACT LOCATION.



NORTH

1 LEVEL 03 FLOOR PLAN AREA C - ELECTRICAL
1/8" = 1'-0"

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

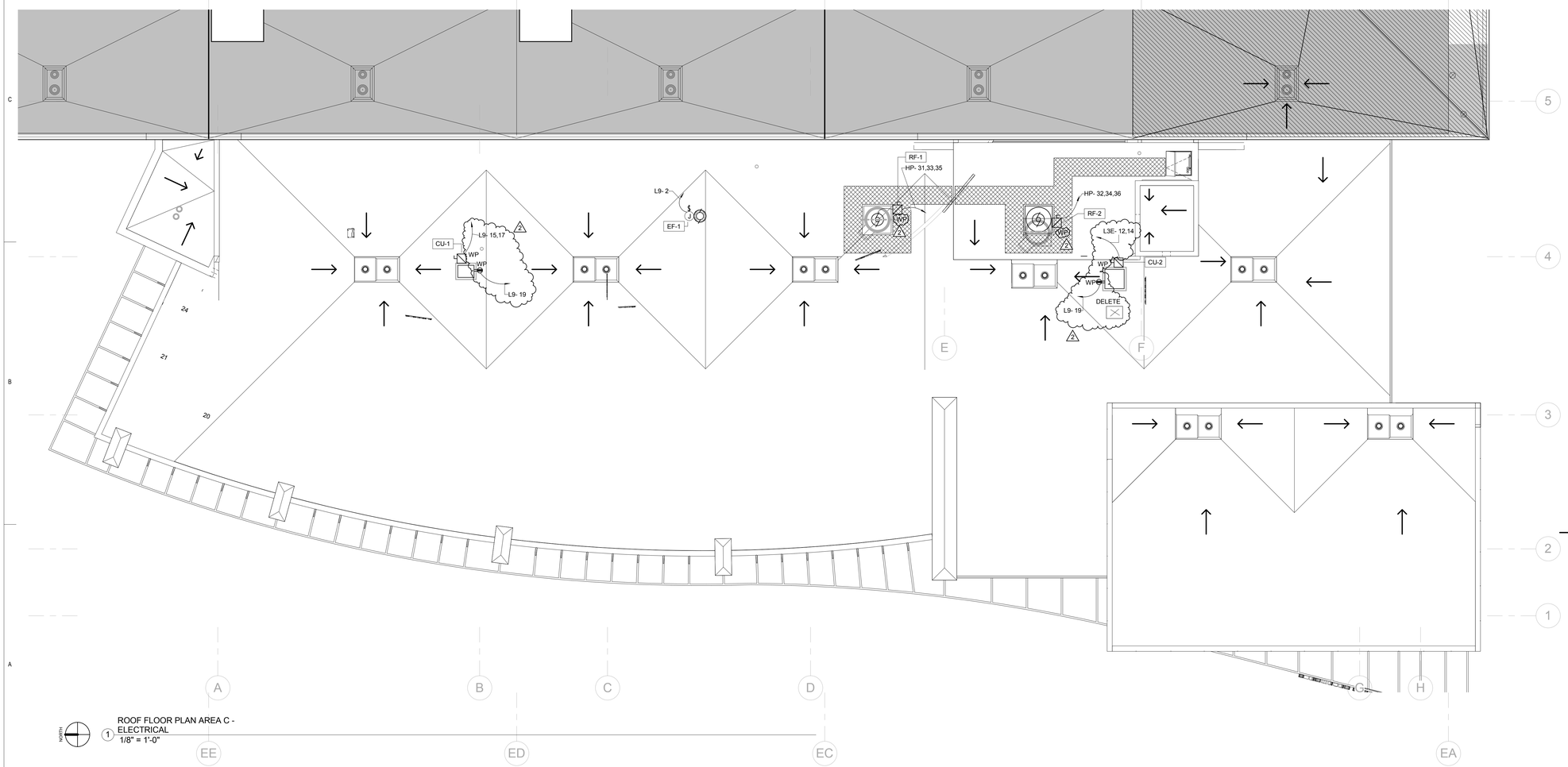
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 03 FLOOR PLAN
AREA C - ELECTRICAL

EP-103C

10/24/2012 12:09:46 PM



NORTH

1 ROOF FLOOR PLAN AREA C - ELECTRICAL
1/8" = 1'-0"

10/24/2012 12:09:51 PM

VCBO

ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

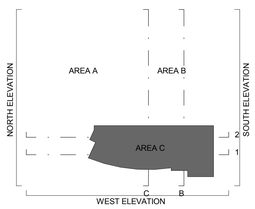
DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

KEY PLAN

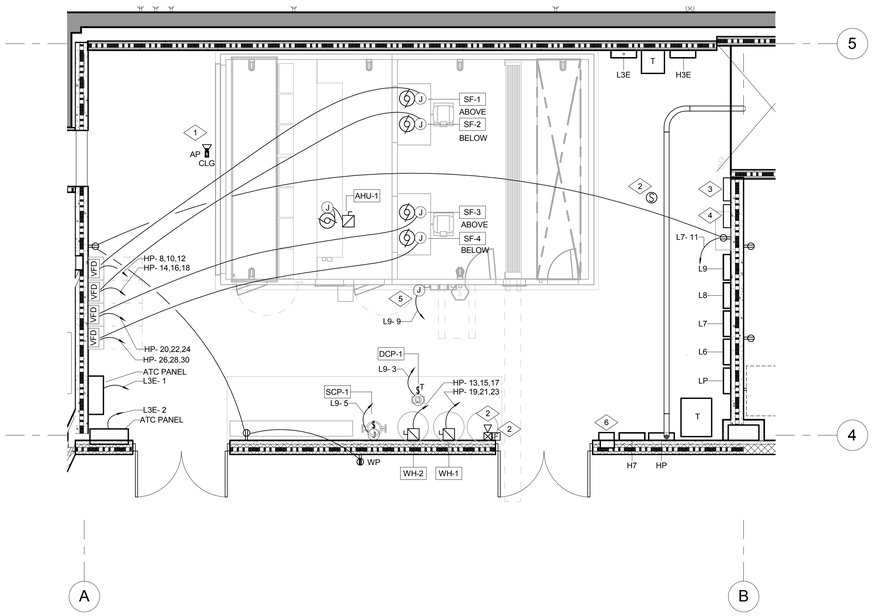


Rev #	Date	Description
2	10-19-12	Add #3

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

ROOF PLAN AREA C - ELECTRICAL

EP-104



1 LEVEL 01 FLOOR PLAN AREA C - MECHANICAL 150
1/4" = 1'-0"

REFERENCE NOTES:

1. FURNISH AND INSTALL A 4"X4"X2-1/8" J-BOX ON THE CEILING IN THE APPROXIMATE LOCATION SHOWN FOR WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH WSU. RUN A 1" CONDUIT FROM J-BOX TO COMMUNICATION ROOM. INSERT PULL STRING AND LABEL.
2. FURNISH AND INSTALL NEW ADDRESSABLE FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. TIE TO THE FIRE ALARM SYSTEM IN CLASS "A" LOOP. IN AND OUT CIRCUITS SHALL RUN IN SEPARATE CONDUITS. REFER TO THE FIRE ALARM RISER AND SPECIFICATIONS FOR MORE INFORMATION.
3. FURNISH AND INSTALL A NEW NOTIFIER DAA-7525 DIGITAL VOICE AMPLIFIER IN THE APPROXIMATE LOCATION SHOWN.
4. FURNISH AND INSTALL A NEW NOTIFIER FCPS-24S8 LOOP EXPANSION MODULE AND POWER SUPPLY IN THE APPROXIMATE LOCATION SHOWN. TIE TO NEW FIRE ALARM CONTROL PANEL.
5. PROVIDE POWER FOR LIGHTING IN AIR HANDLING UNIT.
6. FURNISH AND INSTALL A 277 VOLT TIME CLOCK IN THE APPROXIMATE LOCATION SHOWN TO CONTROL EXTERIOR LIGHTS. LC&D CAT # GR140LT-PC OR APPROVED EQUAL. TIE THE TIME CLOCK TO UNSWITCHED 277 VOLT POWER. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION. COORDINATE PROGRAMMING WITH OWNER. INSTALL THE PHOTOCELL ON WEST WALL OF STAIR 399C AND TIE TO TIME CLOCK. COORDINATE WITH ARCHITECT FOR EXACT LOCATION OF PHOTOCELL.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

#172577
10-03-12

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

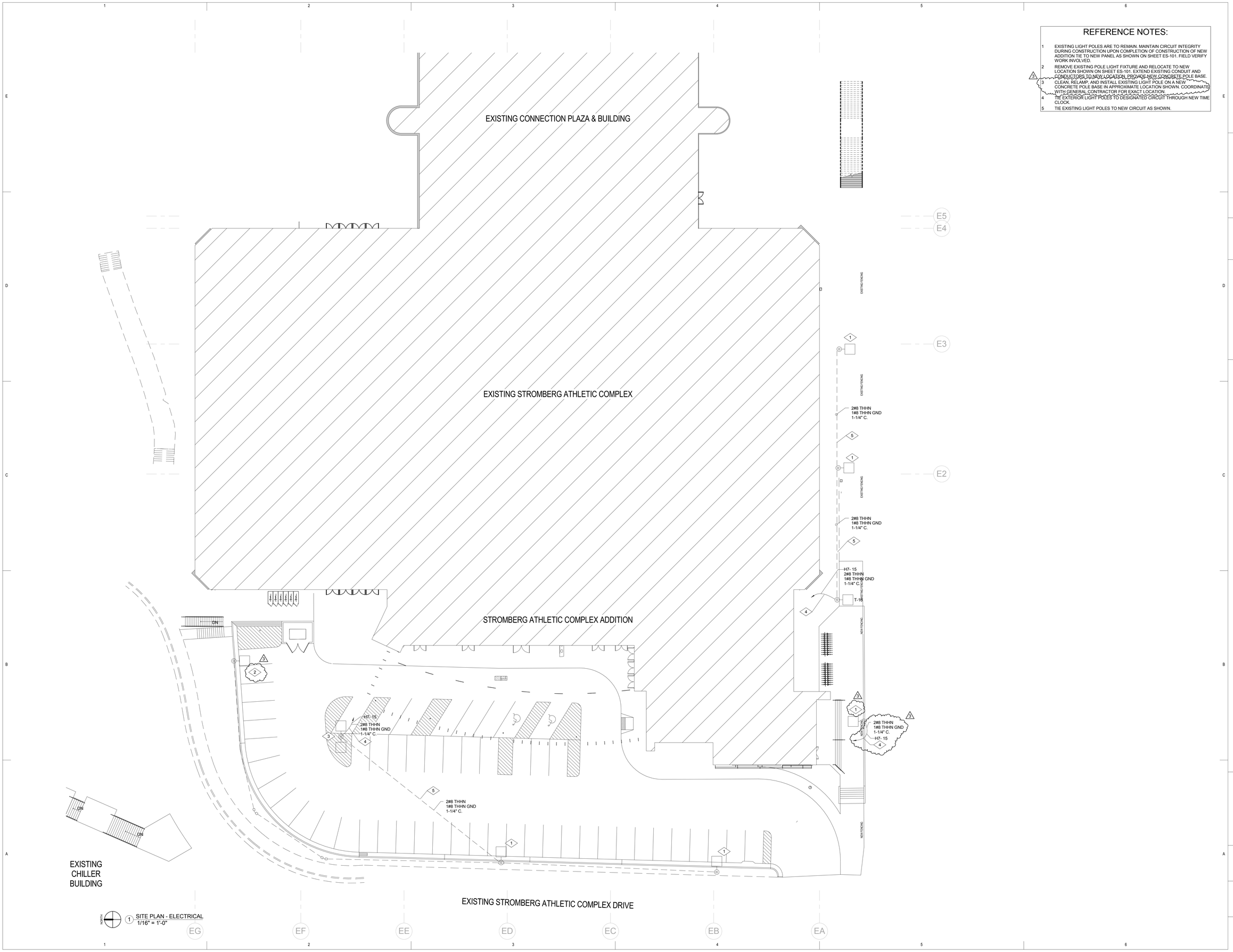
Rev #	Date	Description
2	10-19-12	Add #3

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

ENLARGED PLANS - ELECTRICAL

EP-401

10/24/2012 12:09:52 PM



REFERENCE NOTES:

1. EXISTING LIGHT POLES ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY DURING CONSTRUCTION UPON COMPLETION OF CONSTRUCTION OF NEW ADDITION TIE TO NEW PANEL AS SHOWN ON SHEET ES-101. FIELD VERIFY WORK INVOLVED.
2. REMOVE EXISTING POLE LIGHT FIXTURE AND RELOCATE TO NEW LOCATION SHOWN ON SHEET ES-101. EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION. PROVIDE NEW CONCRETE POLE BASE.
3. CLEAN, RELAMP, AND INSTALL EXISTING LIGHT POLE ON A NEW CONCRETE POLE BASE IN APPROXIMATE LOCATION SHOWN. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT LOCATION.
4. TIE EXTERIOR LIGHT POLES TO DESIGNATED CIRCUIT THROUGH NEW TIME CLOCK.
5. TIE EXISTING LIGHT POLES TO NEW CIRCUIT AS SHOWN.

VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

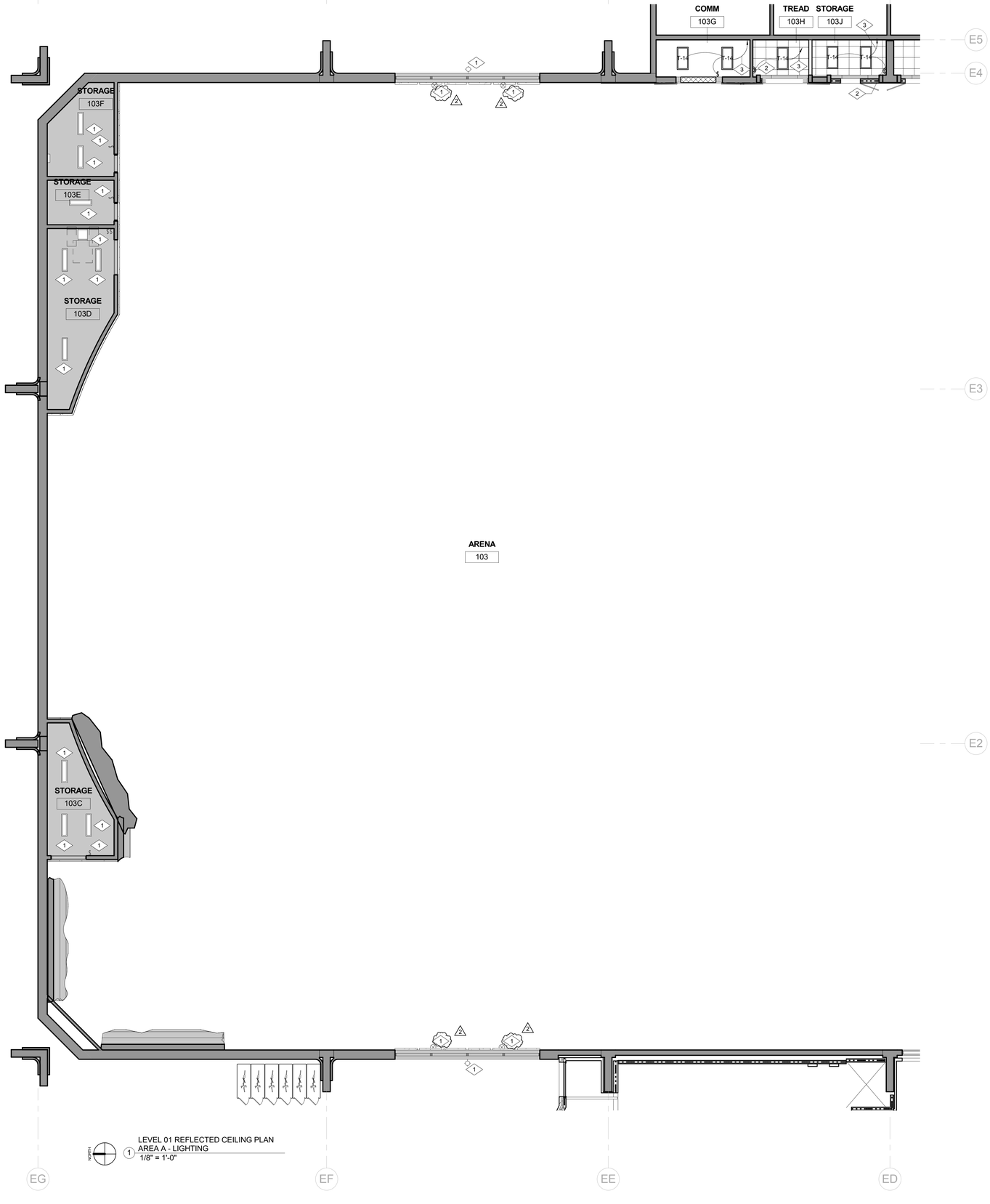
Rev #	Date	Description
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

SITE PLAN - ELECTRICAL

ES-101

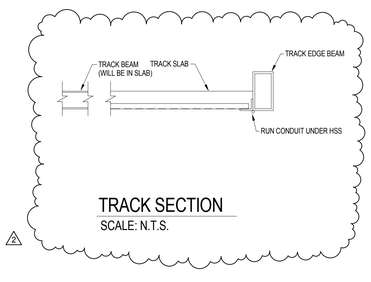
10/24/2012 12:09:54 PM



LEVEL 01 REFLECTED CEILING PLAN
AREA A - LIGHTING
1/8" = 1'-0"

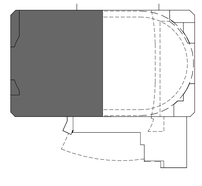
REFERENCE NOTES:

1. EXISTING LIGHT FIXTURES, EXIT SIGNS, AND SWITCHES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES.
2. FURNISH AND INSTALL A WALL MOUNTED DUAL TECHNOLOGY MOTION SENSOR WITH ACTS OFF SWITCH IN APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE DSW-100.
3. TIE LIGHT FIXTURES TO THE EXISTING LIGHTING CIRCUIT IN THE AREA.



TRACK SECTION
SCALE: N.T.S.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

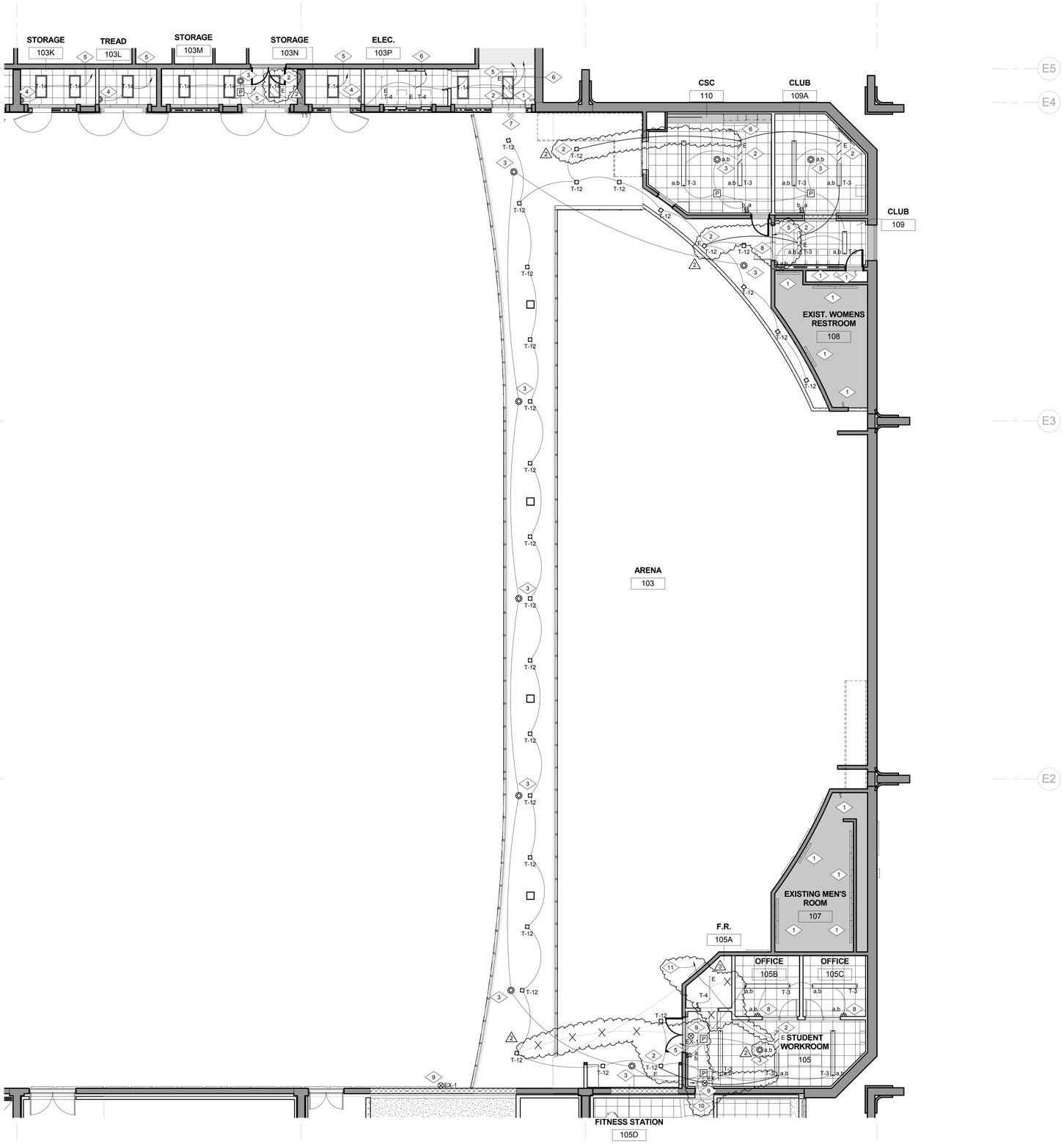
Rev #	Date	Description
2	10-19-12	Add #3

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 01 REFLECTED CEILING PLAN AREA A - LIGHTING

EL-101A

10/24/2012 12:08:56 PM



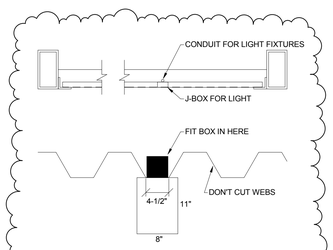
LEVEL 01 REFLECTED CEILING PLAN
AREA B - LIGHTING
1/8" = 1'-0"

REFERENCE NOTES:

1. EXISTING LIGHT FIXTURES, EXIT SIGNS, AND SWITCHES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES.
2. TIE EMERGENCY LIGHT TO A BODINE TRANSFER SWITCH (CAT. #GTD OR APPROVED EQUAL) SUCH THAT WHEN COMMERCIAL POWER FAILS THE EMERGENCY LIGHTS COME ON AUTOMATICALLY REGARDLESS OF POSITION OF LIGHT SWITCHES. PROVIDE UNSWITCHED POWER TO TRANSFER SWITCH. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. NORMALLY THESE LIGHT FIXTURES ARE CONTROLLED BY LIGHT SWITCHES.
3. FURNISH AND INSTALL A DUAL TECHNOLOGY CEILING MOUNTED MOTION SENSOR WITH POWER PACK IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMDC-100. TIE THE LIGHT FIXTURES TO THE WALL SWITCH THROUGH THE POWER PACK. TIE THE MOTION SENSOR TO POWER PACK. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
4. FURNISH AND INSTALL A WALL MOUNTED DUAL TECHNOLOGY MOTION SENSOR WITH AUTO-OFF SWITCH IN APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE DSW-100.
5. TIE LIGHT FIXTURES TO THE EXISTING LIGHTING CIRCUIT IN THE AREA.
6. TIE EMERGENCY LIGHT FIXTURES TO THE NEAREST 277 VOLT UNSWITCHED EXISTING EMERGENCY LIGHTING CIRCUIT IN THE AREA.
7. REMOVE EXISTING EXIT SIGN AND REINSTALL A FEW FEET LOWER BELOW THE BRIDGE. EXTEND EXISTING CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
8. FURNISH AND INSTALL A 2-BUTTON, DUAL TECHNOLOGY WALL MOUNTED MOTION SENSOR IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE DSW-200.
9. TIE EXIT SIGN TO THE NEAREST UNSWITCHED EMERGENCY LIGHTING CIRCUIT.
10. TIE THE BRIDGE LIGHT FIXTURES TO THE EXISTING LIGHTING CIRCUIT AND SWITCH THAT CONTROLLED THE WALL MOUNTED LIGHT FIXTURES AROUND THE ARENA THAT WERE REMOVED DURING DEMOLITION.
11. TIE EMERGENCY LIGHT FIXTURE TO THE NEW EMERGENCY LIGHTING CIRCUIT ON SHEET ME-101C.

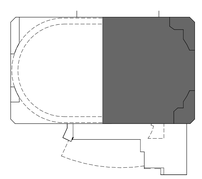
SPECIAL NOTE:

1. CONDUIT AND J-BOXES FOR BRIDGE LIGHTING MUST BE EMBEDED IN THE BRIDGE SLAB. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.



BRIDGE SECTION
SCALE: N.T.S.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

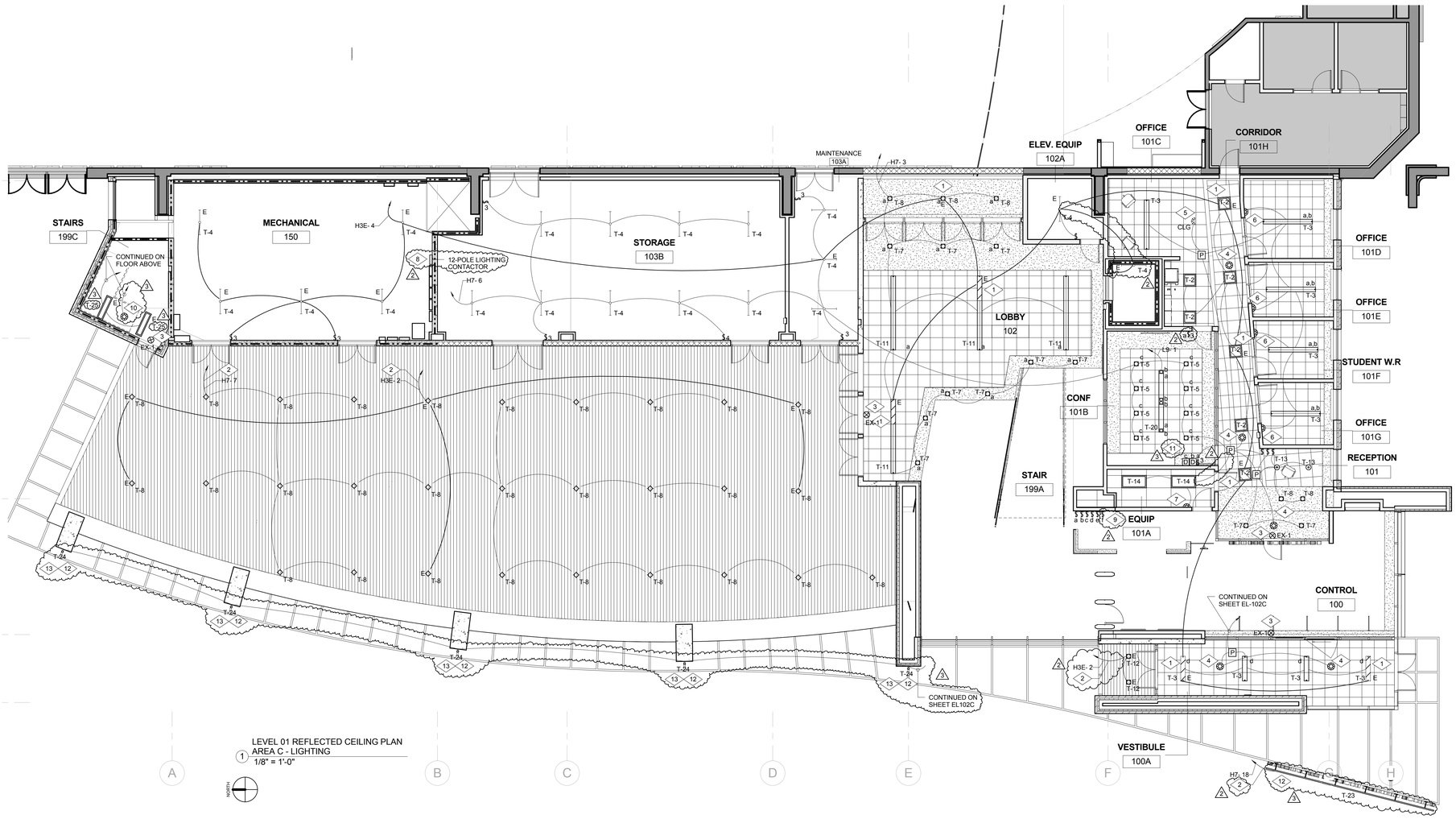
LEVEL 01 REFLECTED CEILING PLAN AREA B - LIGHTING

EL-101B

10/24/2012 12:08:58 PM

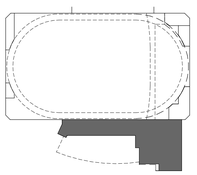
REFERENCE NOTES:

1. TIE EMERGENCY LIGHT TO A BODINE TRANSFER SWITCH (CAT. #GTD OR APPROVED EQUAL) SUCH THAT WHEN COMMERCIAL POWER FAILS THE EMERGENCY LIGHTS COME ON AUTOMATICALLY REGARDLESS OF POSITION OF LIGHT SWITCHES. PROVIDE UNSWITCHED POWER TO TRANSFER SWITCH. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. NORMALLY THESE LIGHT FIXTURES ARE CONTROLLED BY LIGHT SWITCHES.
2. TIE EXTERIOR LIGHT FIXTURES TO THEIR DESIGNATED CIRCUIT THROUGH NEW TIME CLOCK.
3. TIE EXIT SIGN TO THE NEAREST UNSWITCHED EMERGENCY LIGHTING CIRCUIT.
4. FURNISH AND INSTALL A DUAL TECHNOLOGY CEILING MOUNTED MOTION SENSOR WITH POWER PACK IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMDC-100. TIE THE LIGHT FIXTURES TO THE WALL SWITCH THROUGH THE POWER PACK. TIE THE MOTION SENSOR TO POWER PACK. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
5. FURNISH AND INSTALL A LONG RANGE DIRECTIONAL PIR MOTION SENSOR IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMPX-100-1. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
6. FURNISH AND INSTALL A 2-BUTTON, DUAL TECHNOLOGY WALL MOUNTED MOTION SENSOR IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE DSW-200.
7. FURNISH AND INSTALL A WALL MOUNTED DUAL TECHNOLOGY MOTION SENSOR WITH AUTO-OFF SWITCH IN APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE DSW-100.
8. FURNISH AND INSTALL A 12-POLE LIGHTING CONTACTOR IN THE APPROXIMATE LOCATION SHOWN TO CONTROL THE FANS IN CARDIO 200C AND WEIGHTS 200B. TIE CONTACTOR TO A SWITCH BY THE RECEPTION DESK ON THE LOWER LEVEL NEXT TO THE COMMON AREA LIGHT SWITCHES.
9. FURNISH AND INSTALL A SWITCH IN THE APPROXIMATE LOCATION SHOWN TO CONTROL THE FANS IN CARDIO 200C AND WEIGHTS 200B. TIE SWITCH TO THE 12-POLE LIGHTING CONTACTOR IN MECHANICAL 150.
10. FURNISH AND INSTALL AN ULTRASONIC CEILING MOUNTED MOTION SENSOR WITH POWER PACK IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMUC-100. TIE THE LIGHT FIXTURES TO THE WALL SWITCH THROUGH THE POWER PACK. TIE THE MOTION SENSOR TO POWER PACK. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
11. PROVIDE A DIMMER SWITCH COMPATIBLE WITH LED LAMPS. PROVIDE ALL WIRING, POWER PACKS, ETC. FOR A COMPLETE INSTALLATION. COORDINATE WITH FIXTURE MANUFACTURER FOR RECOMMENDED DIMMER AND WIRING DIAGRAMS. COORDINATE EXACT LOCATION WITH ARCHITECT.
12. COORDINATE EXACT LOCATION AND HEIGHT OF EXTERIOR WALL MOUNTED LIGHT FIXTURES WITH THE ARCHITECT.
13. FURNISH AND INSTALL (2) TWO T-24 LIGHT FIXTURES RECESSED IN THE VISOR SUPPORTS IN FRONT OF EACH COLUMN AS SHOWN. ONE TO SHINE DOWN AND ONE TO SHINE UP. COORDINATE EXACT LOCATION WITH ARCHITECT. INSTALL REMOTE DRIVER INSIDE THE BUILDING ABOVE THE NEAREST ACCESSIBLE CEILING.



1 LEVEL 01 REFLECTED CEILING PLAN AREA C - LIGHTING
1/8" = 1'-0"

2 KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

#172577
10-03-12

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

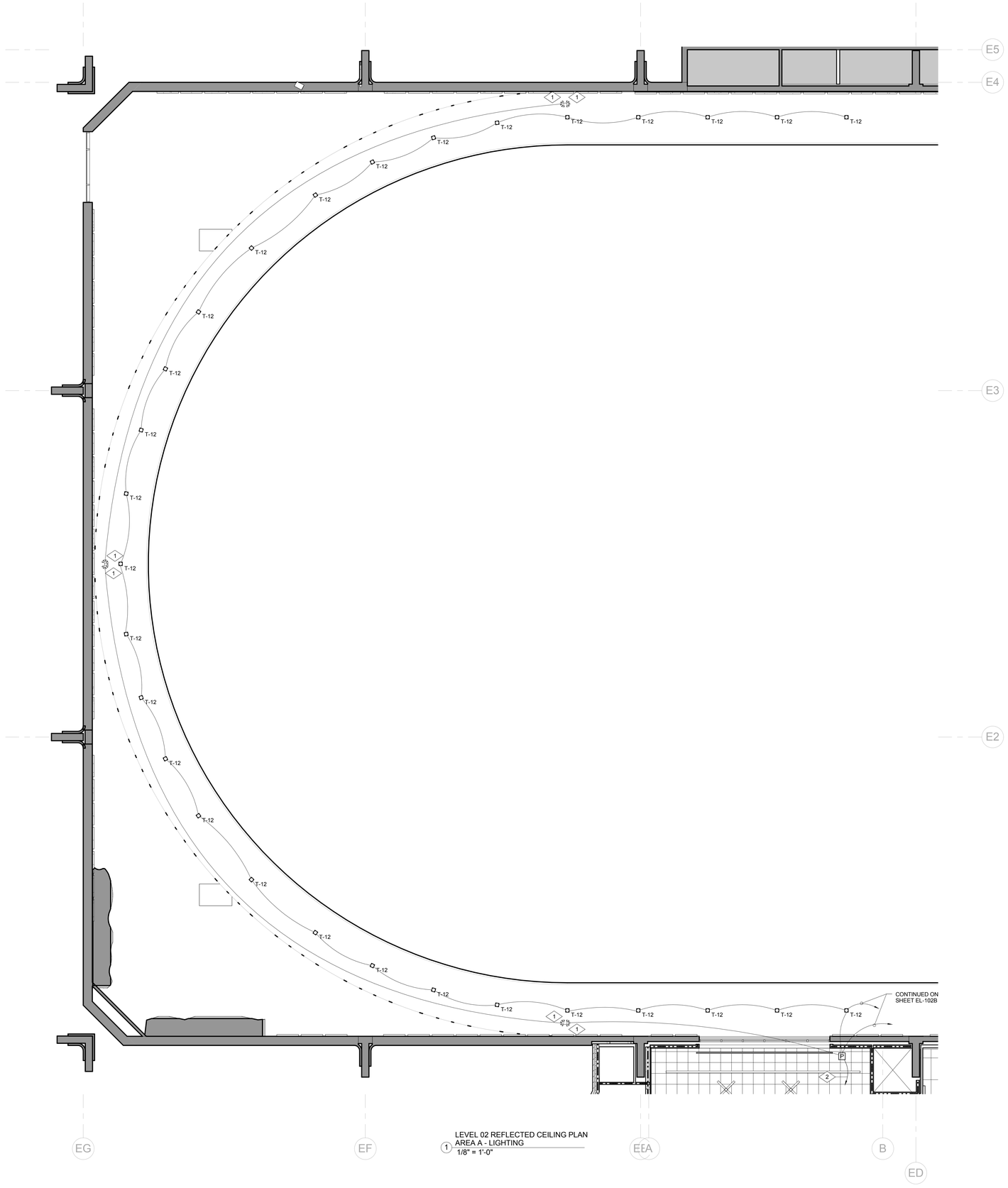
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 01 REFLECTED CEILING PLAN AREA C - LIGHTING

EL-101C

10/24/2012 12:09:01 PM

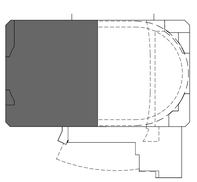


LEVEL 02 REFLECTED CEILING PLAN AREA A - LIGHTING
1/8" = 1'-0"

REFERENCE NOTES:

1. FURNISH AND INSTALL A LONG RANGE DIRECTIONAL PIR MOTION SENSOR IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMPX-100-1. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
2. TIE THE RUNNING TRACK LIGHT FIXTURES TO THE EXISTING LIGHTING CIRCUIT AND SWITCH THAT CONTROLLED THE WALL MOUNTED LIGHT FIXTURES AROUND THE ARENA THAT WERE REMOVED DURING DEMOLITION.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

#172577
10-03-12

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

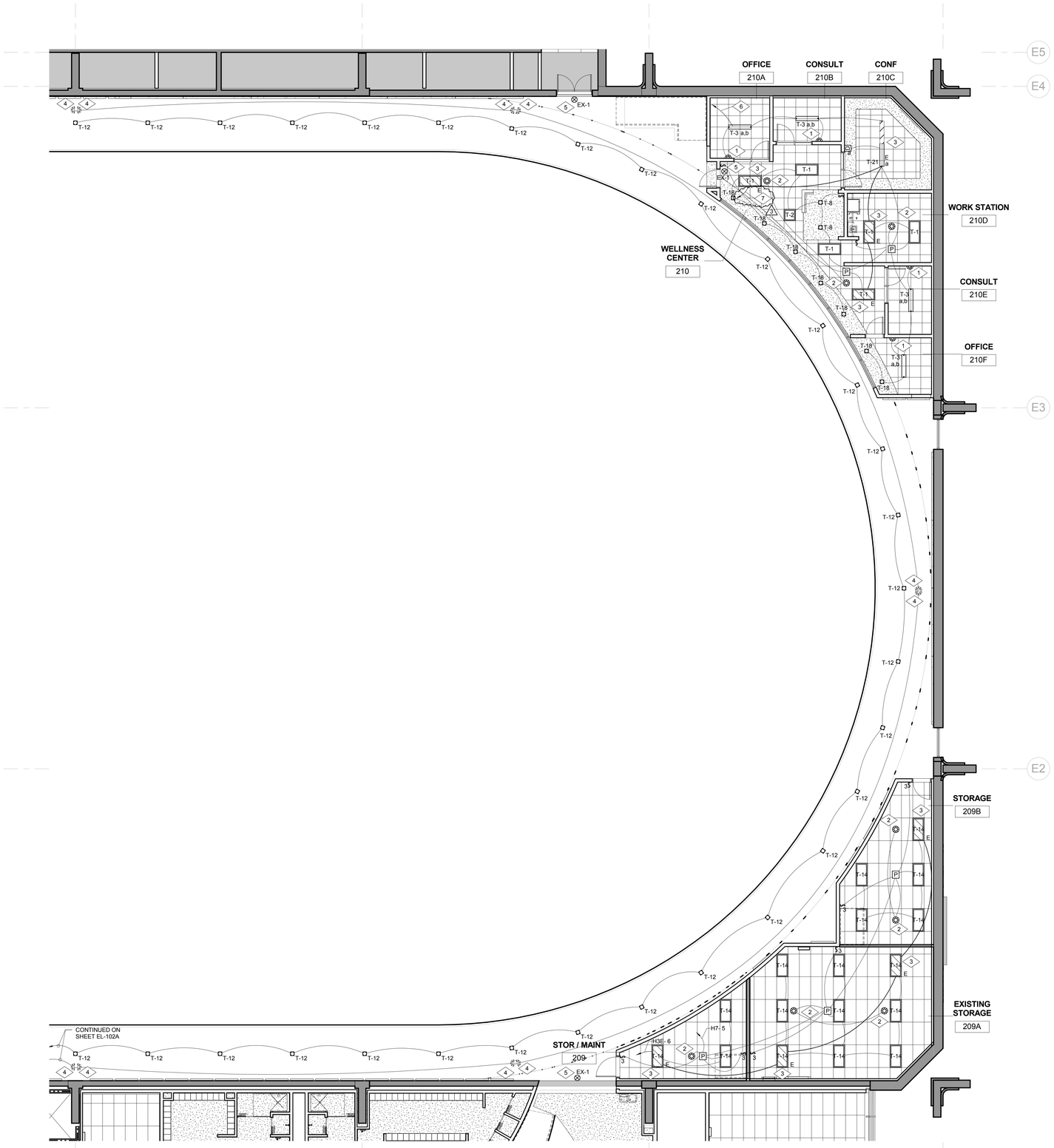
Rev #	Date	Description

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

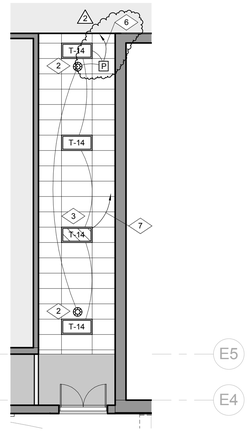
LEVEL 02 REFLECTED CEILING PLAN AREA A - LIGHTING

EL-102A

10/24/2012 12:09:02 PM



1 LEVEL 02 REFLECTED CEILING PLAN AREA B - LIGHTING
1/8" = 1'-0"

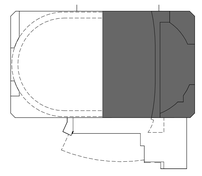


2 NEW HALLWAY - LIGHTING
1/8" = 1'-0"

REFERENCE NOTES:

1. FURNISH AND INSTALL A 2-BUTTON, DUAL TECHNOLOGY WALL MOUNTED MOTION SENSOR IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE DSW-200.
2. FURNISH AND INSTALL A DUAL TECHNOLOGY CEILING MOUNTED MOTION SENSOR WITH POWER PACK IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMDC-100. TIE THE LIGHT FIXTURES TO THE WALL SWITCH THROUGH THE POWER PACK. TIE THE MOTION SENSOR TO POWER PACK. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
3. TIE EMERGENCY LIGHT TO A BODINE TRANSFER SWITCH (CAT. #GTD OR APPROVED EQUAL) SUCH THAT WHEN COMMERCIAL POWER FAILS THE EMERGENCY LIGHTS COME ON AUTOMATICALLY REGARDLESS OF POSITION OF LIGHT SWITCHES. PROVIDE UNSWITCHED POWER TO TRANSFER SWITCH. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. NORMALLY THESE LIGHT FIXTURES ARE CONTROLLED BY LIGHT SWITCHES.
4. FURNISH AND INSTALL A LONG RANGE DIRECTIONAL PIR MOTION SENSOR IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMPX-100-1. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
5. TIE EXIT SIGN TO THE NEAREST UNSWITCHED EMERGENCY LIGHTING CIRCUIT.
6. TIE LIGHT FIXTURES TO THE EXISTING LIGHTING CIRCUIT IN THE AREA.
7. TIE EMERGENCY LIGHT FIXTURES TO THE NEARERST 277 VOLT UNSWITCHED EXISTING EMERGENCY LIGHTING CIRCUIT IN THE AREA.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

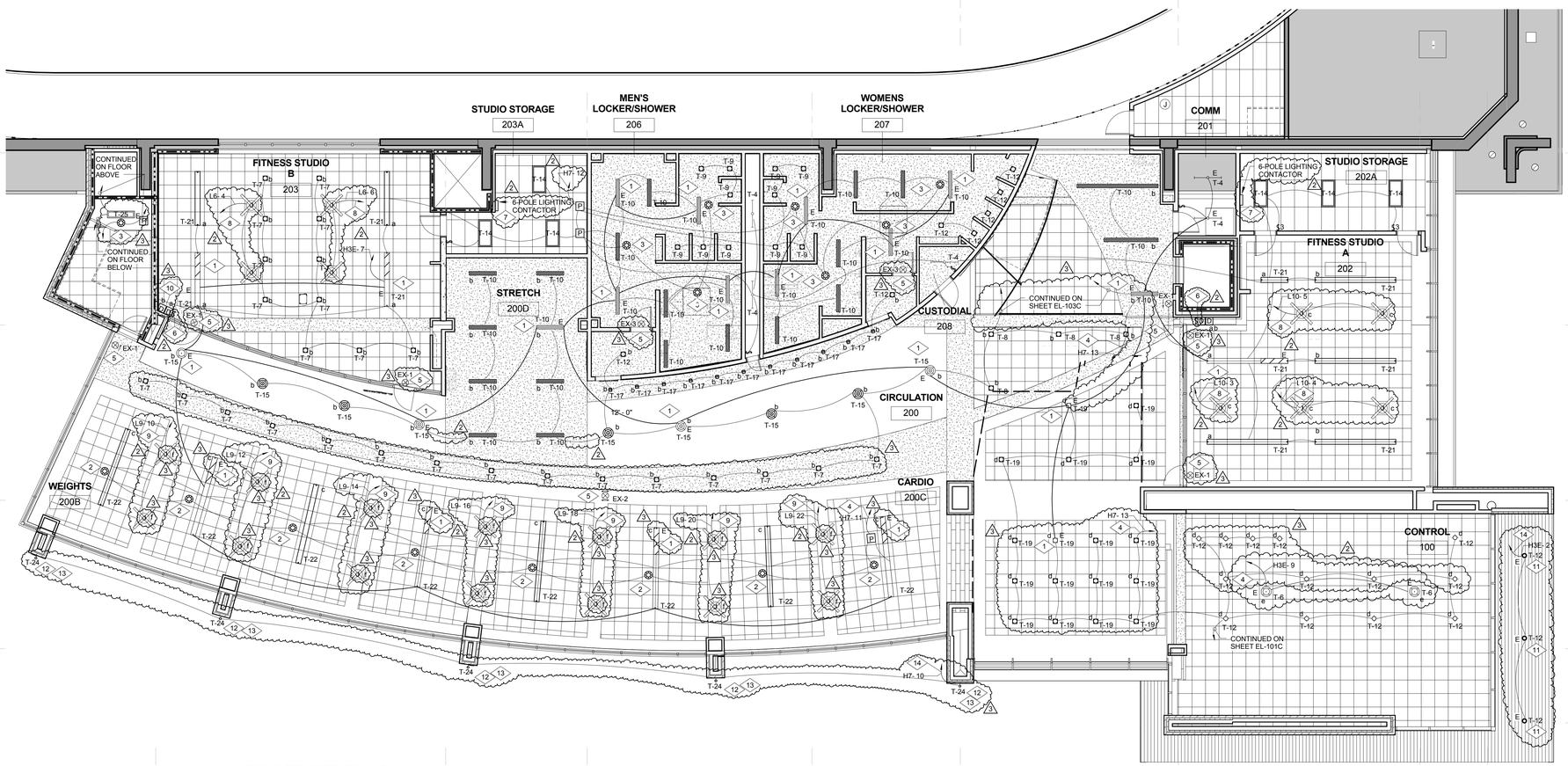
LEVEL 02 REFLECTED CEILING PLAN AREA B - LIGHTING

EL-102B

10/24/2012 12:09:04 PM

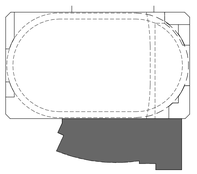
REFERENCE NOTES:

1. TIE EMERGENCY LIGHT TO A BODINE TRANSFER SWITCH (CAT. #GTD OR APPROVED EQUAL) SUCH THAT WHEN COMMERCIAL POWER FAILS THE EMERGENCY LIGHTS COME ON AUTOMATICALLY REGARDLESS OF POSITION OF LIGHT SWITCHES. PROVIDE UNSWITCHED POWER TO TRANSFER SWITCH. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. NORMALLY THESE LIGHT FIXTURES ARE CONTROLLED BY LIGHT SWITCHES.
2. FURNISH AND INSTALL A PIR CEILING MOUNTED MOTION SENSOR WITH POWER PACK AND HIGH DENSITY LENS IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMPC-100-1. TIE THE LIGHT FIXTURES TO THE WALL SWITCH THROUGH THE POWER PACK. TIE THE MOTION SENSOR TO POWER PACK. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
3. FURNISH AND INSTALL AN ULTRASONIC CEILING MOUNTED MOTION SENSOR WITH POWER PACK IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMUC-100. TIE THE LIGHT FIXTURES TO THE WALL SWITCH THROUGH THE POWER PACK. TIE THE MOTION SENSOR TO POWER PACK. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
4. TIE LIGHT FIXTURES TO THE DESIGNATED CIRCUIT THROUGH THE LIGHT SWITCH AT THE RECEPTION DESK ON THE LOWER LEVEL.
5. TIE EXIT SIGN TO THE NEAREST UNSWITCHED EMERGENCY LIGHTING CIRCUIT.
6. FURNISH AND INSTALL A SWITCH IN THE APPROXIMATE LOCATION SHOWN TO CONTROL THE FANS IN THE FITNESS STUDIO. TIE SWITCH TO THE 6-POLE LIGHTING CONTACTOR IN THE STUDIO STORAGE.
7. FURNISH AND INSTALL A 6-POLE LIGHTING CONTACTOR IN THE APPROXIMATE LOCATION SHOWN TO CONTROL THE FANS IN THE FITNESS STUDIO. TIE CONTACTOR TO A SWITCH IN FITNESS STUDIO.
8. TIE FANS IN THE FITNESS STUDIO TO THE CIRCUIT SHOWN THROUGH THE 6-POLE LIGHTING CONTACTOR IN THE STUDIO STORAGE. TIE CONTACTOR TO A SWITCH NEXT TO FITNESS STUDIO LIGHT SWITCHES.
9. TIE FANS IN WEIGHTS 200B AND CARDIO 200C TO THE CIRCUITS INDICATED THROUGH A 12-POLE LIGHTING CONTACTOR IN MECHANICAL 150. TIE LIGHTING CONTACTOR TO A SWITCH BY THE RECEPTION DESK ON THE LOWER LEVEL NEXT TO THE COMMON AREA LIGHT SWITCHES.
10. PROVIDE A DIMMER SWITCH COMPATIBLE WITH LED LAMPS. PROVIDE ALL WIRING, POWER PACKS, ETC. FOR A COMPLETE INSTALLATION. COORDINATE WITH FIXTURE MANUFACTURER FOR RECOMMENDED DIMMER AND WIRING DIAGRAMS. COORDINATE EXACT LOCATION WITH ARCHITECT.
11. COLOR OF CONES FOR THESE LIGHTS MUST MATCH COLOR OF DECK.
12. FURNISH AND INSTALL (2) TWO T-24 LIGHT FIXTURES RECESSED IN THE VISOR SUPPORTS IN FRONT OF EACH COLUMN AS SHOWN. ONE TO SHINE DOWN AND ONE TO SHINE UP. COORDINATE EXACT LOCATION WITH ARCHITECT. INSTALL REMOTE DRIVER INSIDE THE BUILDING ABOVE THE NEAREST ACCESSIBLE CEILING.
13. COORDINATE EXACT LOCATION AND HEIGHT OF EXTERIOR WALL MOUNTED LIGHT FIXTURES WITH THE ARCHITECT.
14. TIE EXTERIOR LIGHT FIXTURES TO THEIR DESIGNATED CIRCUIT THROUGH NEW TIME CLOCK.



1 LEVEL 02 REFLECTED CEILING PLAN AREA C - LIGHTING
1/8" = 1'-0"

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

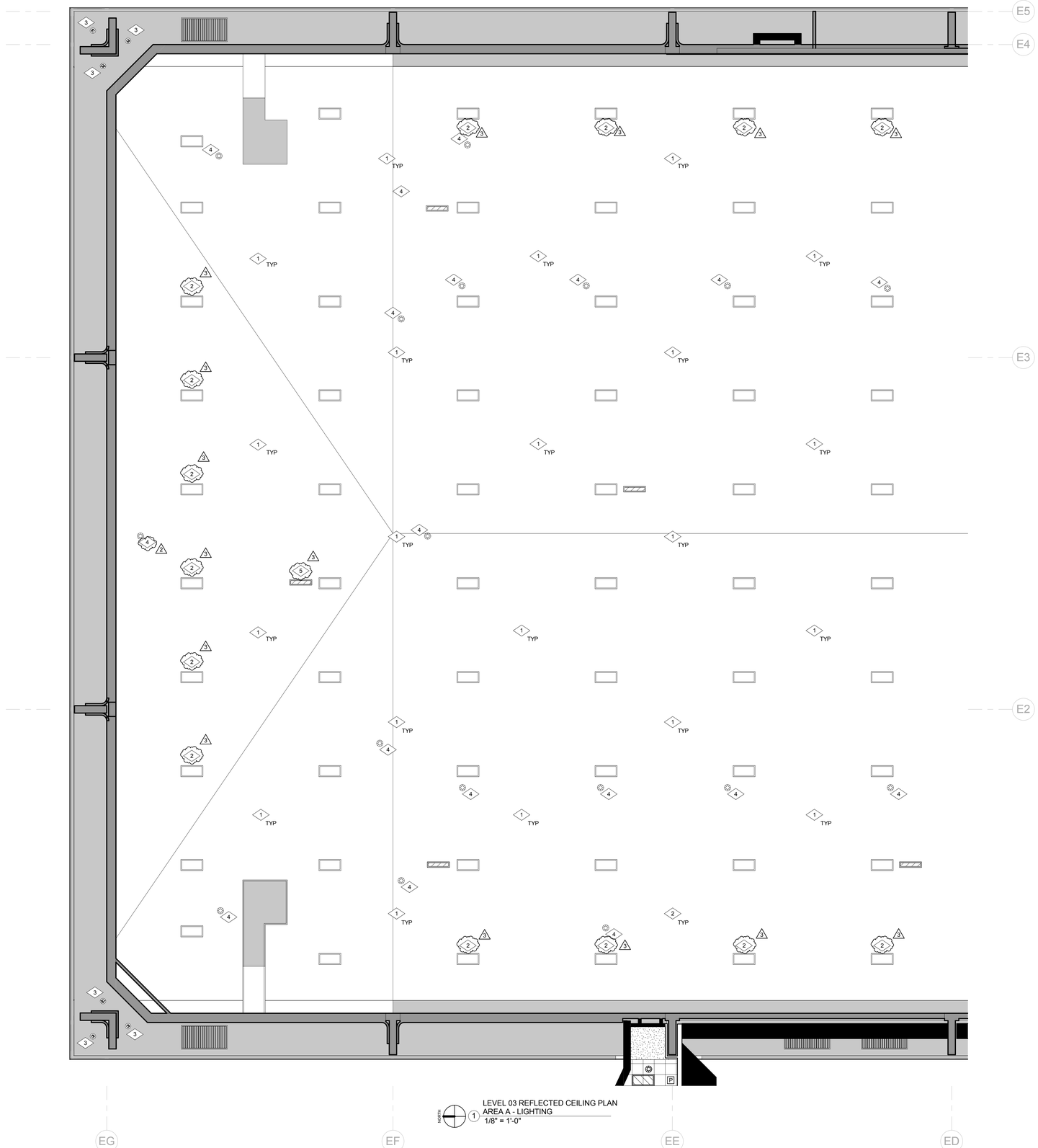
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 02 REFLECTED CEILING PLAN AREA C - LIGHTING

EL-102C

10/24/2012 12:09:06 PM

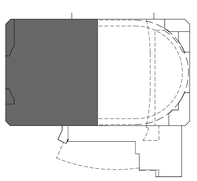


LEVEL 03 REFLECTED CEILING PLAN
AREA A - LIGHTING
1/8" = 1'-0"

REFERENCE NOTES:

1. EXISTING HIGH BAY LIGHT FIXTURE ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
2. RAISE EXISTING LIGHT FIXTURES SHOWN AND MOUNT TO THE CEILING DECK. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
3. EXISTING UNDER CANOPY LIGHT FIXTURES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
4. EXISTING DEVICES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
5. REMOVE EXISTING EMERGENCY LIGHT FIXTURES DURING DEMOLITION OF ROOF AND RE-INSTALL IN THE SAME LOCATION AFTER ROOF IS RE-INSTALLED. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center
Stromberg Addition - BID SET
Weber State University
3750 Harrison Blvd. Ogden, UT 84408

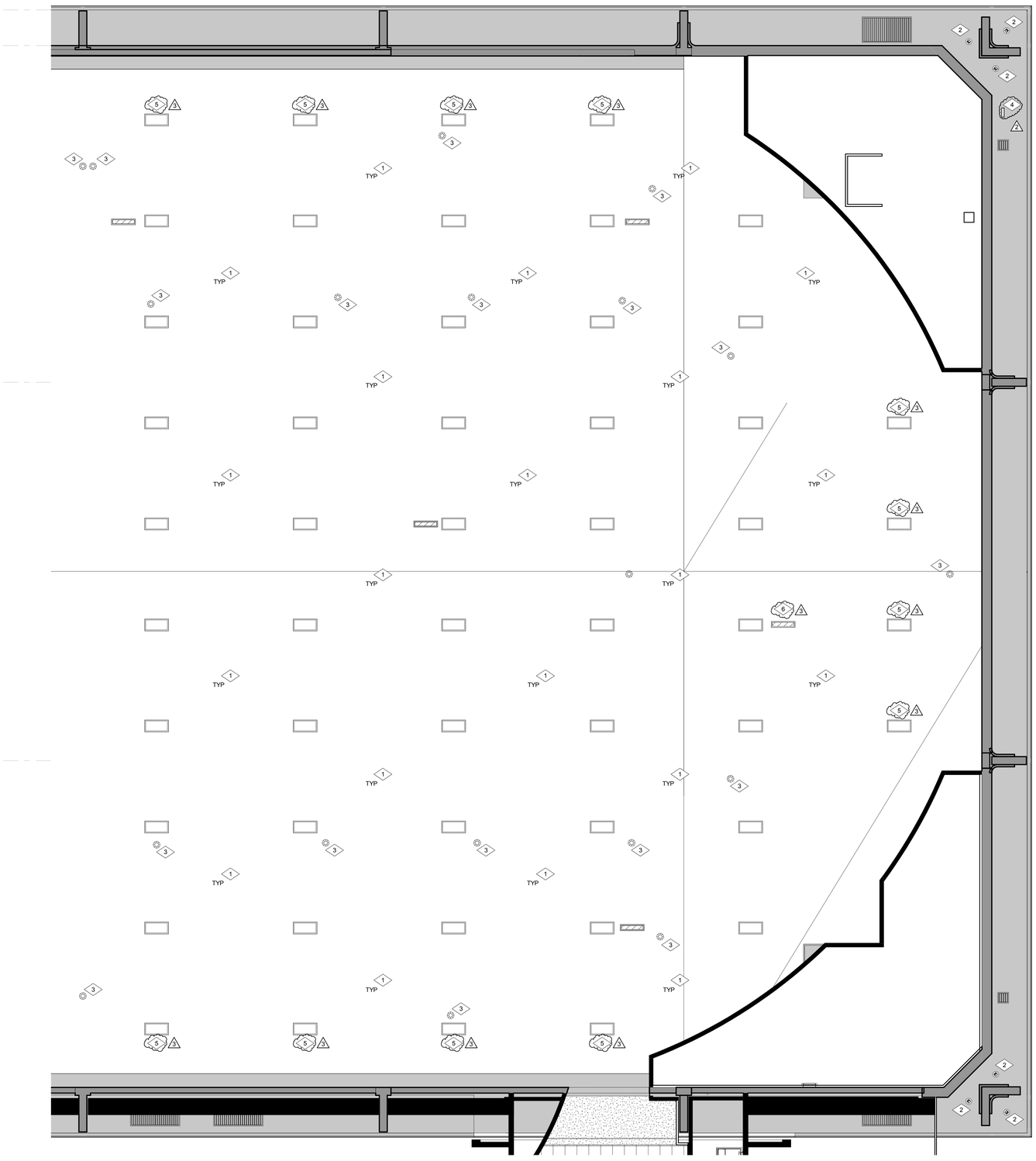
Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 03 REFLECTED CEILING PLAN AREA A - LIGHTING

EL-103A

10/24/2012 12:09:07 PM

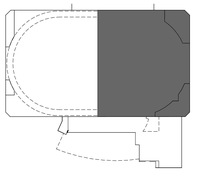


LEVEL 03 REFLECTED CEILING PLAN
AREA B - LIGHTING
1/8" = 1'-0"

REFERENCE NOTES:

1. EXISTING HIGH BAY LIGHT FIXTURE ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
2. EXISTING UNDER CANOPY LIGHT FIXTURES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
3. EXISTING DEVICES ARE TO REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES. PROVIDE CONDUIT AND CONDUCTORS AS NEEDED.
4. NEW LOCATION OF EXISTING LIGHTING RELAY PANEL. PROVIDE UNISTRUT SUPPORT. EXTEND ALL EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION.
5. RAISE EXISTING LIGHT FIXTURES SHOWN AND MOUNT TO THE CEILING DECK. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
6. REMOVE EXISTING EMERGENCY LIGHT FIXTURES DURING DEMOLITION OF ROOF AND RE-INSTALL IN THE SAME LOCATION AFTER ROOF IS RE-INSTALLED. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

#172577
10-03-12

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

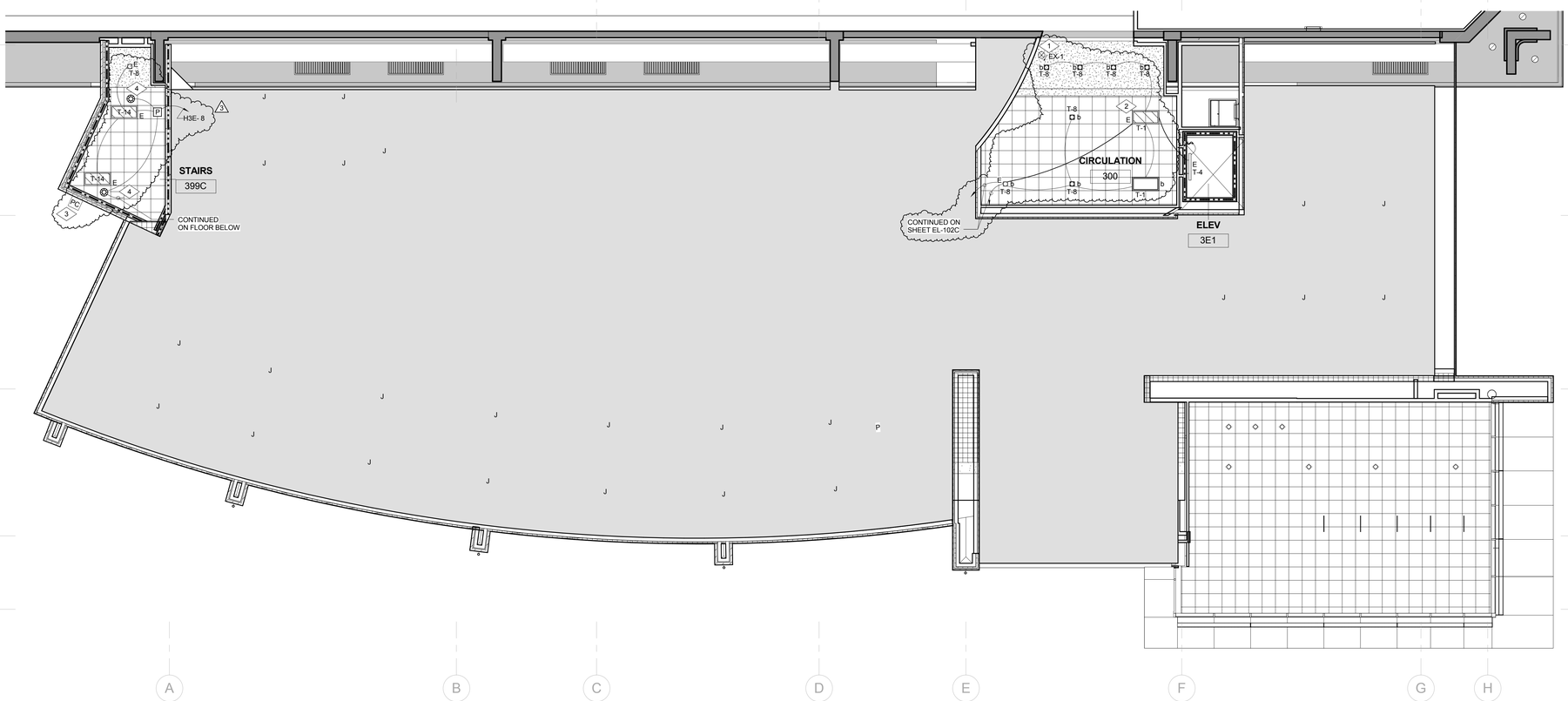
LEVEL 03 REFLECTED CEILING PLAN AREA B - LIGHTING

EL-103B

10/24/2012 12:09:08 PM

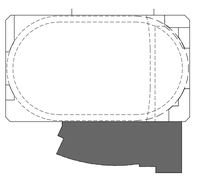
REFERENCE NOTES:

1. TIE EXIT SIGN TO THE NEAREST UNSWITCHED EMERGENCY LIGHTING CIRCUIT.
2. TIE EMERGENCY LIGHT TO A BODINE TRANSFER SWITCH (CAT. #GTD OR APPROVED EQUAL) SUCH THAT WHEN COMMERCIAL POWER FAILS THE EMERGENCY LIGHTS COME ON AUTOMATICALLY REGARDLESS OF POSITION OF LIGHT SWITCHES. PROVIDE UNSWITCHED POWER TO TRANSFER SWITCH. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. NORMALLY THESE LIGHT FIXTURES ARE CONTROLLED BY LIGHT SWITCHES.
3. INSTALL PHOTOCELL IN THE APPROXIMATE LOCATION SHOWN. TIE TO TIME CLOCK FOR COMPLETE INSTALLATION.
4. FURNISH AND INSTALL AN ULTRASONIC CEILING MOUNTED MOTION SENSOR WITH POWER PACK IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE LMUC-100. TIE THE LIGHT FIXTURES TO THE WALL SWITCH THROUGH THE POWER PACK. TIE THE MOTION SENSOR TO POWER PACK. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.



LEVEL 03 REFLECTED CEILING PLAN
AREA C - LIGHTING
1/8" = 1'-0"

KEY PLAN



VCBO
ARCHITECTURE
VALENTINER
CRANE
BRUNJES
ONYON

VCBO ARCHITECTURE
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
Phone: (801) 575-8800
Fax: (801) 531-9850
WWW: www.vcbo.com

DFCM CODE COMPLIANCE STAMP

Stromberg Student Activity Center

Stromberg Addition - BID SET

Weber State University
3750 Harrison Blvd. Ogden, UT 84408

Rev #	Date	Description
2	10-19-12	Add #3
3	10-24-12	Add #4

Job # 4317
CAD File
Drawn PB Checked AM
Date 10.03.2012
Owner #

LEVEL 03 REFLECTED CEILING PLAN - LIGHTING

EL-103C

10/24/2012 12:09:09 PM