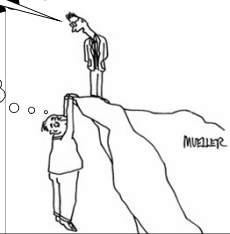






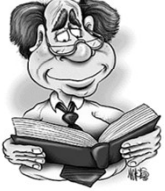




 <p>APPA Institute Developing & Using Campus Standards</p>	<p style="text-align: center;">Now repeat after me: I <u>will</u> use your campus standards, I <u>will</u> use your campus standards, I will use.....</p> <h1 style="font-size: 2em; transform: rotate(-15deg);">Designing to Campus Standards</h1> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;"> <p>I hate working for universities!</p> </div>  </div> <p style="font-size: 0.8em;">Steven C. Thweatt Vice Chancellor for Administration (emeritus) University of Colorado at Boulder Steven.thweatt@colorado.edu (720) 525-8638</p>
--	--


 <p>APPA Institute Developing & Using Campus Standards</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Fun in the air</p>   <p>Grandson's first fish</p> <p style="font-size: 0.7em;">Quite the journey</p> </div> <div style="width: 65%;"> <ul style="list-style-type: none"> • Licensed Architect <ul style="list-style-type: none"> • Colorado • Georgia • North Carolina • Louisiana • Private Practice 15 years • Higher Education 27+ Years <ul style="list-style-type: none"> • <u>Duke University</u> -6 Years <ul style="list-style-type: none"> • Director Facilities Design Office • Assistant Dean Facilities • <u>Emory University</u> - 5-1/2 Years <ul style="list-style-type: none"> • AVP PDC • <u>University of Colorado</u> -16 Yrs. <ul style="list-style-type: none"> • Director PDC • Campus Architect • AVC FM • VC Administration </div> </div>
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 <p>APPA Institute Developing & Using Campus Standards</p>	<h2 style="text-align: center;">Outcomes</h2> <div style="display: flex;"> <div style="width: 60%; padding-right: 10px;"> <p>What Are Standards?</p> <p>Why Have Standards?</p> <p>How Do You Develop Them?</p> <p>Who Are Stakeholders?</p> <p>How Are They Integrated?</p> <p style="padding-left: 20px;">How To Create Feedback?</p> <p style="padding-left: 20px;">How Do You Revise Them?</p> <p>How Do You Insure Their Use?</p> </div> <div style="width: 35%; text-align: center;">  </div> </div>
--	---

	APPA Institute Developing & Using Campus Standards	Definitions
<h1 style="text-align: center;">What are Campus Standards?</h1> <div style="text-align: center;">  </div> <p style="text-align: center;"> <i>"Describe & set forth procedures, policies, <u>guidelines</u> and codes which the institution believes to be representative of <u>desirable practices</u>"</i> </p>		

	APPA Institute Developing & Using Campus Standards	What's Involved?
<div style="display: flex; align-items: center; justify-content: center;">  +  </div> <p style="margin-top: 10px;"> <u>What's Involved?</u> Time Commitment Resource Commitment Measurable ROI Negotiate Outcomes </p>		

	APPA Institute Developing & Using Campus Standards	Benefits
<div style="display: flex;"> <div style="flex: 1;"> <p><u>Benefits of Standards?</u></p> <div style="font-size: 4em; text-align: center; margin: 20px 0;">?</div> <p style="text-align: center;"><u>To Standardize or <u>Not</u> to Standardize</u> <i>That is the Question !</i></p> </div> <div style="flex: 2;"> <ul style="list-style-type: none"> • <u>Advantages</u> <ul style="list-style-type: none"> • Stakeholders Satisfied • Protects Institutional Interests • Builds Bridges • Pays Dividends <ul style="list-style-type: none"> • Less time educating consultants • Insures higher quality facilities • Increases consistency • Reduces maintenance needs </div> </div>		

	APPA Institute Developing & Using Campus Standards	Benefits
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><u>Benefits of Standards?</u></p> <p style="font-size: 48px; text-align: center;">?</p> <p><u>To Standardize or Not to Standardize</u> <i>That is the Question !</i></p> </div> <div style="width: 65%;"> <ul style="list-style-type: none"> • <u>Advantages</u> <ul style="list-style-type: none"> • Stakeholders Satisfied • Protects Institutional Interests • Builds Bridges • Pays Dividends • <u>Disadvantages</u> <ul style="list-style-type: none"> • Time Consuming • Costly and Drives up Overhead • Complicates Process </div> </div>		



	APPA Institute Developing & Using Campus Standards	Problems
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><u>Problems W/Out Standards</u></p> <ul style="list-style-type: none"> • High Maintenance Costs </div> <div style="width: 65%;">  </div> </div>		



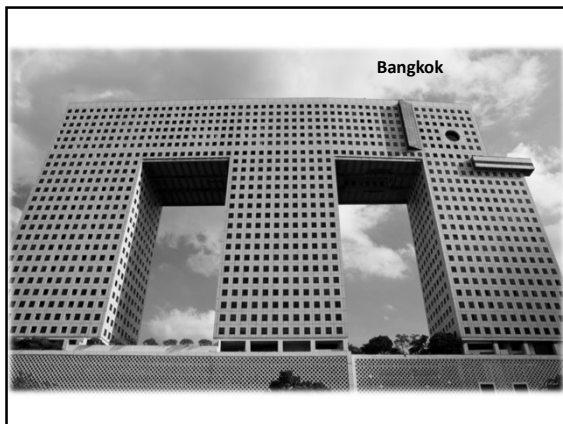






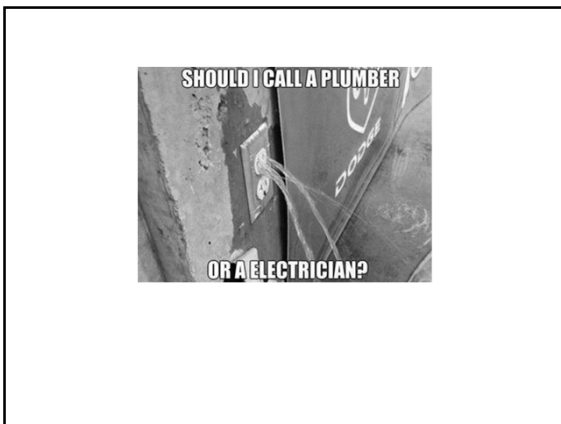
 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Problems</p>
<p><u>Problems W/Out Standards</u></p> <ul style="list-style-type: none">• High Maintenance Costs• Bad Design	











	APPA Institute Developing & Using Campus Standards	Problems
<p><u>Problems W/Out Standards</u></p> <ul style="list-style-type: none">• High Maintenance Costs• Bad Design• Shortened Life Span<ul style="list-style-type: none">• Product performance and longevity not always design criteria		<p>I just remembered that I forgot that roof detail!</p> <p>Get a life dear!</p>

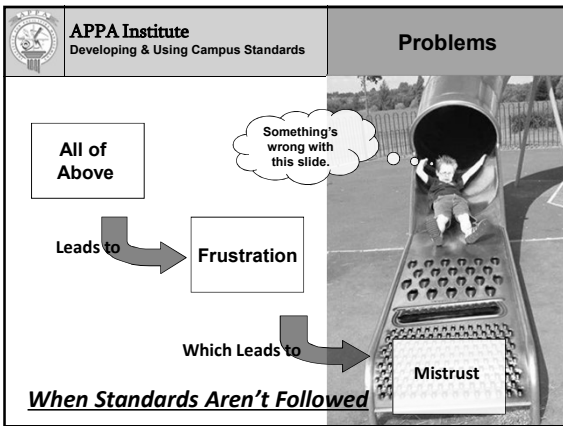


 <p>APPA Institute Developing & Using Campus Standards</p>	Problems
<p><u><i>Problems W/Out Standards</i></u></p> <ul style="list-style-type: none">• High Maintenance Costs• Bad Design• Shortened Life Span• No Continuity<ul style="list-style-type: none">• Dozens of parts needed	

	<p>Problems Can Develop Without Standards</p> 
--	--

	<p>Problems Can Develop Without Standards <small>Dallas</small></p>
---	--









	<p>APPA Institute Developing & Using Campus Standards</p>	<p>Standards</p>
<ul style="list-style-type: none"> • <u>Design</u> <ul style="list-style-type: none"> Policies Graphics • <u>Construction</u> <ul style="list-style-type: none"> Systems Products 		<p>History has forgotten Lambini & Sons who are credited with the Sistine Chapel floor.</p>

	<p>APPA Institute Developing & Using Campus Standards</p>	<p>Design Standards</p>
<ul style="list-style-type: none"> • Design Philosophy <ul style="list-style-type: none"> • Quality • Process • Aesthetics • Planning Principles • Owner Responsibilities • Design Submittals <ul style="list-style-type: none"> • Submittal Requirements • Contract Forms 		

CU Boulder Facilities Management

CU Boulder Campus Architect

Introduction

Campus Architecture

CU Boulder Campus Architect is responsible for managing and monitoring all changes to the buildings and grounds of the university. This task is shared with administration, students, faculty, staff, alumni, and the outside city, state, and national interests who treasure the campus built environment. Campus Architect role and mission

CU Boulder is recognized as one of the most beautiful and environmentally conscious college campuses in the nation. Set against a prominent mountain backdrop, its buildings are universally admired for their uniform style of sandstone walls, red tile roofs, limestone trim and black wrought iron accents - all in a romantic Italianate style.

The purpose of this website is to provide information for sustaining the quality of this remarkably designed campus when future changes or new facilities and buildings are contemplated.

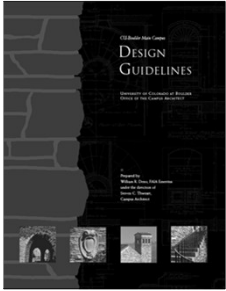
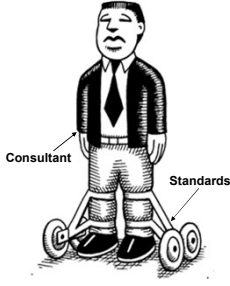
Facilities Management
Campus Box 453, Boulder, CO 80530-0453

University of Colorado Boulder
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APPA Institute
Developing & Using Campus Standards

Design Standards

Design Guidelines






INTRODUCTION

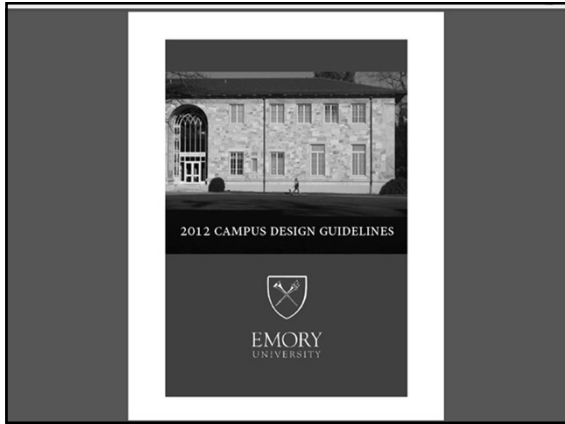


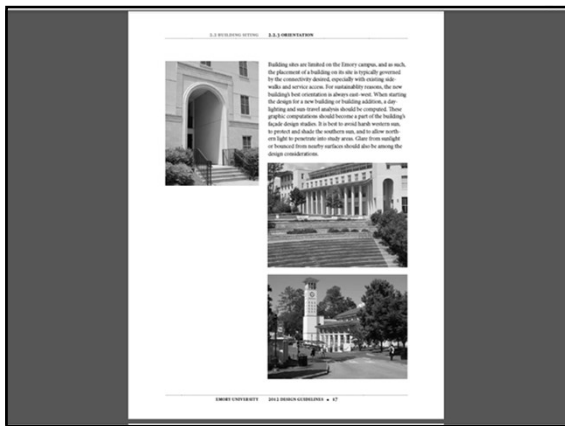
Like most other higher education campuses around the nation, the architecture of buildings at the University of Colorado at Boulder has evolved naturally through time, in response to the needs of Charles Z. Brown. Even though the first WPA ground was laid in 1935 and 1936, the basic "Tuscan" character can be perceived.

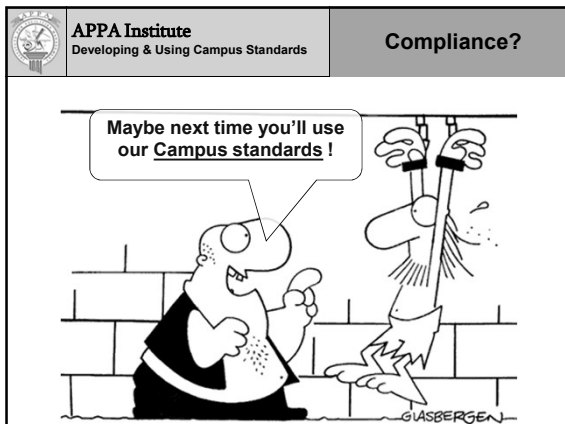
Further, all original improvement projects have retained character through the passage of time, and since 1942, a consistent architectural style has been reported directly to the President of the University. Because of the close relationship of professionals and the overall society accompanying the established development process, previous detailed standards for the design of buildings and grounds have not substantially been violated. However, the following design guidelines are suggested as valuable checkpoints along the way toward maintaining the aesthetic quality of the CU Boulder built environment.


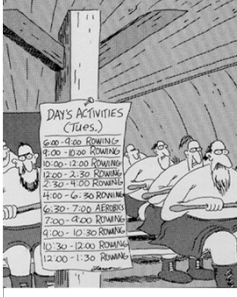





The great use of stone in the original 'Tuscan' design, and in subsequent buildings, is made the building today with the existing stone of a 1914 addition.





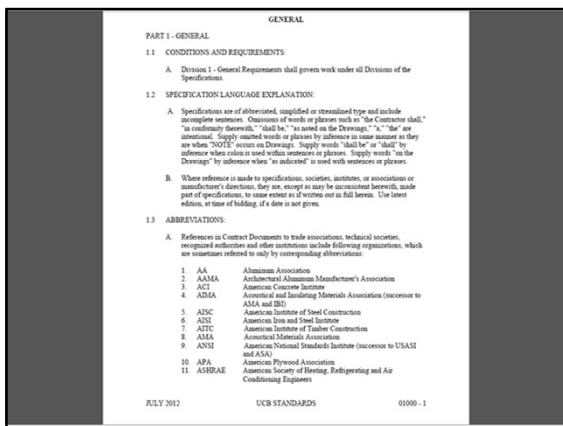
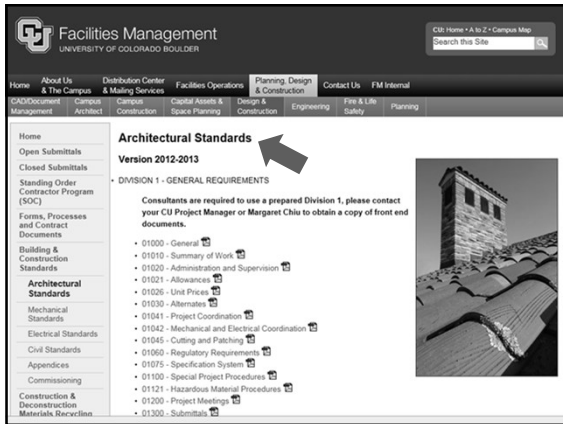


 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Construction Standards</p>
<p><u>Organization</u></p> <p>Generic Guidelines/ideas</p> <p>Specific Detailed/specifications</p> <p>Types</p> <p>Prescriptive</p> <p>Descriptive</p> <p>Performance</p>	

 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Construction Standards</p>
<ul style="list-style-type: none"> • General <ul style="list-style-type: none"> • Life Expectancy • Design Palette • Graphic Standards (CAD) • BIM • Codes • Acceptable Products • Accessibility Issues • Utilities / Haz. Materials • Technical Sections BOK 	



The screenshot shows the APPA website's 'Body of Knowledge' section. It includes a navigation menu with links like 'Home', 'Job Express', 'Bookstore', 'Facilities Manager', 'Event Registration', and 'Join APPA'. The main content area features the APPA logo and a search bar. Below, there's a section titled 'Body of Knowledge' with sub-links for 'BOK Home', 'BOK Editorial Board', 'BOK Owners', and 'BOK Table of Contents'. A large heading reads 'BOK Body of Knowledge' followed by a paragraph explaining its purpose: 'A body of knowledge is the collected wisdom, experience, processes, and facts that both inform a profession and provide the solid foundation from which continuous improvements and innovative change can occur. Since 1914, APPA has made countless contributions to the educational facilities management profession through its training programs, publications, and research projects. Competency, collaboration, and credibility for the facilities professional--in support of his or her institution's vision and mission--are the desired outcomes of these efforts.'



Design and Construction Standards and University Architect's Campus Design Guidelines

Download additional standards and design guidelines using links to the right of this page.

Design and Construction Standards:
Emory's Design and Construction Standards provide architects, engineers, design consultants and contractors with specific standards and specifications for construction activity on Emory University property. They serve to summarize principles unique to the university's aesthetic and structural preferences, specialized nature of each facility, requirements applied by the University's insurance carrier, and knowledge gained from experience with construction, operations and maintenance issues.

For further information about Emory's Design and Construction Standards, contact Stuart Adler at 404.727.4794.

STANDARDS:
Design and Construction Standards
Document Delivery Standards
Architectural Floor Plan Template.dwg
Evaluation Template.dwg
UTS Communication Standards

GUIDELINES:
Campus Master Plan Information
2012 Draft Campus Design Guidelines
College Classroom Design Guidelines

SUSTAINABILITY:
Sustainability Design Reporting Part 1
Sustainability Design Reporting Part 2
Green Building Sustainability Initiatives
Emory Green Cleaning Manual



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 - 06-00-03 - Internal Requirements
 - 06-10-01 - Summary of Item Requirements
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 - 06-00-05 - Museum State Recovery Processes
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 - 07-00-00 - Concrete
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 - 08-00-00 - Masonry
 - Division 09 - Metals
 - 09-00-00 - Metals
 - Division 08 - Wood, Plastic, and Composites
 - 08-00-00 - Wood, Plastic, and Composites
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 - 07-00-06 - Flashing and Sheet Metal
 - 07-00-07 - Finishing

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Descriptive Based

www.sdstate.edu/sites/default/files/2016-08/FacilityDesignStandards.pdf

SOUTH DAKOTA STATE UNIVERSITY

Facility Design and Construction Standards

South Dakota State University
Facilities and Services Planning, Design and Construction
A Division of Campus Administration, SD 57008
2012 Edition



Performance Based
www.abs.uci.edu/resources/constructionstandards.html

Page 1 of 9

University of California, Irvine
Construction Standards and Costs

UC Irvine new construction pursues performance goals and applies quality standards that affect the costs of capital projects. Periodic re-examination of these goals and standards is warranted.

Construction costs are not "high" or "low" in the abstract, but rather in relation to specific quality standards and the design solutions, means, and methods used to attain these standards. Thus, evaluating whether construction costs are appropriate involves determining whether:

- Quality standards are excessive, insufficient, or appropriate;
- Resultant project costs are reasonable compared to projects with essentially the same quality parameters.

"Quality" encompasses the durability of building systems and finishes; the robustness and life-cycle performance of building systems; the aesthetics of materials, their composition, and their detailing; and the resource-sustainability and efficiency of the building as an overall system.

Overall Goals and Quality Standards

UC Irvine, in order to support distinguished research and academic programs, build facilities of high quality. As such, UCI's facilities aim to convey the "look and feel," as well as embody the inherent construction quality, of the best facilities of other UC campuses, leading public universities, and other research institutions with whom we compete for faculty, students, sponsored research, and general reputation.

UCI Administrative and Business Services

Performance Based
www.abs.uci.edu/resources/constructionstandards.html



Page 2 of 9




Since 1992, new buildings have been designed to achieve these five broad goals:



1. New buildings must "create a place," rather than constitute stand-alone objects – forming social, aesthetic, contextually sensitive relationships with neighboring buildings and the larger campus.
2. New buildings reinforce a **consistent design framework** of classical contextual architecture, applied in ways that convey a feeling of permanence and quality, and interpreted in ways that meet the contemporary and changing needs of a modern research university.
3. New buildings employ materials, systems, and design features that will **avoid the expense of major maintenance** (defined as >1 percent of value) for 20 years.
4. New buildings attain exemplary sustainability performance – at least **LEED Gold** and outperforming California's Title 24 energy efficiency standards by as much as 50 percent.
5. Capital construction projects are designed and **delivered within the approved project budget, scope, and schedule.**


The balance of this document expresses the building performance criteria and quality standards generally outlined above, organized according to building systems component classes. Each section discusses key cost-drivers, cost-control strategies, and important cost trade-offs. Design practices cited are consistently applied, although some fall short of hard-and-fast "rules."

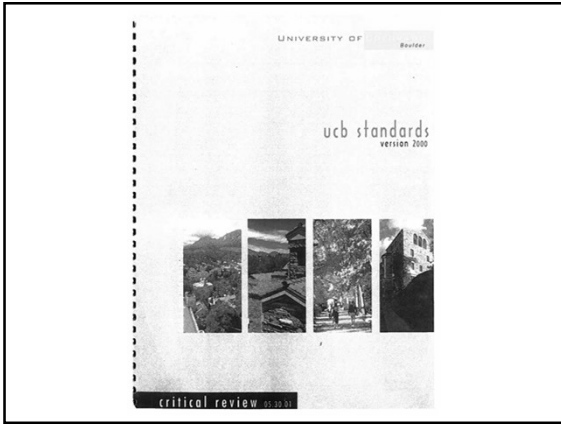
UCI Administrative and Business Services

 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Construction Standards</p>
<p style="text-align: center;">What about BIM? <u>B</u>uilding <u>I</u>nformation <u>M</u>odeling</p> <p>It is Changing:</p> <ul style="list-style-type: none"> • Project Delivery • Project Documentation • Commissioning • O&M Manuals • Building Maintenance 	 <p style="text-align: center;">800 Pound Gorilla?</p>

	APPA Institute Developing & Using Campus Standards	Process
<p style="text-align: center;"><u>Process Decisions</u></p> <ul style="list-style-type: none"> • <u>Closed</u> <ul style="list-style-type: none"> • Exclusive 		

	APPA Institute Developing & Using Campus Standards	Process
<p style="text-align: center;"><u>Process Decisions</u></p> <ul style="list-style-type: none"> • <u>Closed</u> <ul style="list-style-type: none"> • Exclusive • <u>Open</u> <ul style="list-style-type: none"> • Inclusive <ul style="list-style-type: none"> • Identify Stakeholders • Establish Format 		

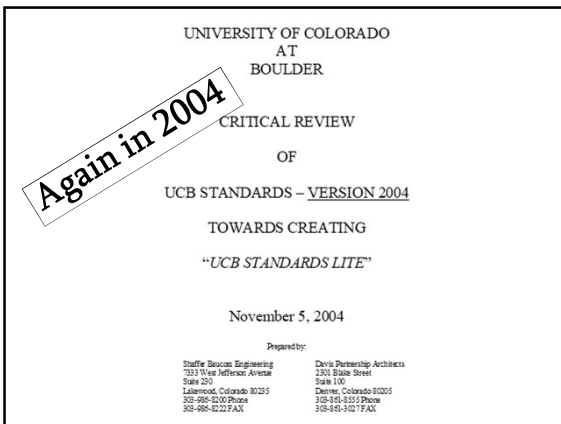
	APPA Institute Developing & Using Campus Standards	Critical Reviews
<p style="text-align: center;">Critical Reviews</p> <ul style="list-style-type: none"> • UCB <ul style="list-style-type: none"> • Why? Complaints about "gold plated" • Good Practice - 2001 		




University of Colorado at Boulder June 22, 2001
UCB Standards Review


SHORT LIST SUMMARY LIST OF ITEMS HAVING SIGNIFICANT COST SAVING POTENTIAL FOR THE COLLEGE OF BUSINESS AND ADMINISTRATION EXPANSION AND RENOVATION PROJECT

Section	Part	Description	Accepted	Rejected
General Planning Future Costs	1.16 Table 27A	Allow minimum regional future costs based on an approach to calculating final occupancy acknowledging all parts of the building will not be fully occupied at the same time. For instance, it is unlikely that the Library and all Classrooms and all Social Spaces would be fully occupied simultaneously.		
10201 Landfilling Backfilling and Compaction	Part 1.1 Item A	Allow pipe bedding to be maximum above pipe in lieu of 12 inches.		
10202 Pavement Concrete Paving	Part 2.1 Item B	Allow the use of fly ash in the concrete.		
10203 Water Systems	Part 2.1 Item B	Allow use of steel reinforcing in pavement slabs.		
10204 Drainage Structures and Piping	Part 2.1 Item A.3	Allow Class 150 FPM pipe instead of Class 200 for flow with through mainline diameter. Most jurisdictions, including Denver Water Department, allow for Class 150.		
10300 Footcure	General	Minimum 14' drainage structure and specified based on pipe size. Most jurisdictions in this area allow for 10' diameter manholes to be used for pipe sizes of twenty-four inches and smaller. Five-foot manholes are used for pipes thirty to thirty-six inches in diameter. Allow manholes using on this height.		
10300 Concrete Cast-in-place Concrete	General	Allow use of Class B Recycled Aggregate for concrete exposed to public view and Class C Aggregate for unexposed concrete.		
10400 Architectural Finish Concrete	General	Review the Remaining Material Item 10400 to allow the mechanical equipment to be anchored to the base-sheeping pad which is itself anchored to the structural slab.		
	General	Allow industry standard Review and review of bid plans for concrete forms with bonded finish.		
	Part 2.1 Item B	Detail Requirements for water stains.		
	Part 1.3 Item A.1	Detail requirements for an independent testing laboratory based on the procedure. If the procedure is not confirmed.		
	Part 1.3 Item A.1	Detail requirements for a U.S. based on process products.		
	Part 2.1 Item A.1	Detail the tolerance on embedded anchors and inserts from concrete to steel anchors.		



	APPA Institute Developing & Using Campus Standards	Critical Reviews
<p style="text-align: center;">Critical Reviews</p> <ul style="list-style-type: none"> • UCB <ul style="list-style-type: none"> • Good Practice - 2001 • Business School - 2004 • 20% Savings Claim 		

<p>University of Colorado at Boulder UCB Standards - Version 2004</p> <p>SCOPE OF REVIEW: Review of the University of Colorado at Boulder (UCB) Construction Standards, Version 2004 has been conducted in accordance with Sheriff Heston's proposal letter dated August 16, 2004.</p> <p>The focus of this review is to suggest changes that create a revised set of building and construction standards titled "UCB Standards List" that are intended to result in cost savings for suitable construction projects. Therefore, the committee focuses on all future UCB work. Review and corrections of references to outdated national standards, grammatical errors, and numbering/sequence errors were not requested, but are occasionally indicated in the comments.</p> <p>GENERAL COMMENTS: The current standards described a construction specification as carefully written. "UCB Standards List" should be unique to construction on UCB projects that are not required to implement the full Standards. These include items that affect:</p> <ul style="list-style-type: none"> • Building Aesthetics • Materials • Design Criteria • Durability • Maintenance <p>These "standards" are found in the sections and should be retained, but the overall specification content may absorb discussion and consideration for omission. A simplification in format, and elimination of unnecessary information should reduce the cost of implementing the "lighter" version of the standards and highlight the important content - those items unique to the campus.</p> <p>A comprehensive review and evaluation of LEEDs certification requirements as they may pertain to the Standards is beyond the scope of this review. However, some comments were made in response to some references to LEEDS requirements in Division 15. The University may want to further consider the cost impact of LEEDS requirements as they pertain to "Standards List."</p> <p>Division 1 - General Requirements were also excluded from the scope of this review. Here again the University may want to further consider reviewing these General Requirements, as well as any potential cost saving that might be realized in a "Standards List" version of the General Requirements.</p> <p>TESTING AND INSPECTION STANDARDS: Many of the sections include testing requirements. Most testing details are already covered in the building code and should not be included in the Standards. Special, project-specific, testing requirements should be developed by each Design Team on a project-by-project basis. The Standards should include Section 01400, Quality Control, to address the fact that the University will have the testing agency to perform quality assurance testing and special inspection on the following materials:</p>	<p style="text-align: center;">November 5, 2004 CRITICAL REVIEW</p>
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	APPA Institute Developing & Using Campus Standards	Critical Reviews
<p style="text-align: center;">Critical Reviews</p> <ul style="list-style-type: none"> • UCB <ul style="list-style-type: none"> • Good Practice – 2001 • Business School - 2004 • 20% Savings Claim • Emory <ul style="list-style-type: none"> • Recession Driven – 2010 <ul style="list-style-type: none"> • Gave us credibility • Deflected criticism • Saved money 		


A random calculation to estimate the cost of these spaces might look like this when applied to a new 200,000 square foot building:
Total area required = 4,815 SF @ \$200 / SF = \$963,000



A calculation of the cost of these spaces when applied to a new 200,000 SF building:



Changing Room (Bicycle riders)	50 SF
Bicycle Storage	100 SF
Recycling	100 SF
Lactation Room	30 SF
Unisex Restroom	30 SF
Custodial Closet	450 SF (80 per floor X 5 floors)
Custodial Support	225 SF
Custodial Staff	200 SF
Building Maintenance Shop	625 SF
Building Maintenance Office	625 SF
Attic Stock Storage	100 SF
Communications Room (Netcom)	2200 SF (110 SF per 10,000 SF floor area)
Building Security Room (access services)	80 SF
	4,815 SF



Total area required = 4,815 SF @ \$200 / SF = \$963,000







 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Critical Reviews</p>

	APPA Institute Developing & Using Campus Standards	Process
<ul style="list-style-type: none">• Feedback Mechanism<ul style="list-style-type: none">• Memo's• Letters• Spreadsheets• Marked up Drawings• PDF		



	APPA Institute Developing & Using Campus Standards	Process
<ul style="list-style-type: none">• Feedback Mechanism• Conflict Resolution Plan<ul style="list-style-type: none">• Conflicting Requirements• Initial \$ vs. Continuing \$• Visual vs. Functional• Corporate vs. Personal		


	APPA Institute Developing & Using Campus Standards	What's Important?
 <p>In your opinion, what <u>one single thing</u> can make or break the effectiveness of campus standards?</p>		



	APPA Institute Developing & Using Campus Standards	Process
<ul style="list-style-type: none"> • Feedback Mechanism • Conflict Resolution Plan <ul style="list-style-type: none"> • Conflicting Requirements • Initial \$ vs. Continuing \$ • Visual vs. Functional • Corporate vs. Personal • Plan Reviews <ul style="list-style-type: none"> • Collaboration between PDC and Operations 		

	APPA Institute Developing & Using Campus Standards	Plan Reviews
<p><u>Purpose of Plan Reviews</u></p> <ul style="list-style-type: none"> • Insures Standards are Followed • Confirm / Challenge Design 		 <p>Some Choices are Tough!</p>

	<p>Some designs need to be challenged</p>
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 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Plan Reviews</p>
<p><u>Purpose of Plan Reviews</u></p> <ul style="list-style-type: none">• Insures Standards are Followed• Confirm / Challenge Design• Code Review	 <p>Some Choices are Tough!</p>



<p>Possible code issue? You be the judge...</p>	
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 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Plan Reviews</p>
<p><u>Purpose of Plan Reviews</u></p> <ul style="list-style-type: none">• Insures Standards are Followed• Confirm / Challenge Design• Code Review• Match Situation w/ Standards• Shares Experiences	 <p>Some Choices are Tough!</p>






	APPA Institute Developing & Using Campus Standards	Plan Reviews
<p><u>Benefits of Plan Reviews</u></p> <ul style="list-style-type: none"> • Involve Stakeholders • Insures Quality • Establish Expectations • Verify Results • Develops Process 		

	Review Reminders for Project Managers
<p><u>Program Plan Review:</u></p> <ol style="list-style-type: none"> 1. Do the scope and budget match? 2. Have relationships to other construction projects (if applicable) been identified? 3. How is the "constructability" (construction feasibility)? Is staging adequately addressed? 4. Have any necessary parts of the project been left out? <p><u>Schematic Design Review:</u></p> <ol style="list-style-type: none"> 1. Is the estimate accurate? Is it within the budget? (Be sure the budget is current and correctly formatted.) 2. Is schematic design complete? 3. How is the "constructability" (construction feasibility)? 4. Do the plans comply with major code provisions (especially UBC)? <p><u>Design Development Review:</u></p> <ol style="list-style-type: none"> 1. Is the project within budget? 2. Are the drawings and outline specifications complete to Design Development standard? 3. Is there good coordination of disciplines? 4. Is construction of this project reasonable as proposed? 	

 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Plan Reviews</p>
<ul style="list-style-type: none"> • Plan Review Coordinator <ul style="list-style-type: none"> • Part time retiree • Email request for plan review • Log the request • Establish due date • Check for required information • Reviewers log-in each morning to check for new notices • Plan review room w/30" HD monitor (all electronic) 	<p><i>Current Process</i></p> 



 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Plan Reviews</p>
<ul style="list-style-type: none"> • Plan Review Coordinator <ul style="list-style-type: none"> • Part time retiree • Email request for plan review • Log the request • Establish due date • Check for required information • Reviewers log-in each morning to check for new notices • Plan review room w/30" HD monitor (all electronic) • PRC checks deadlines • Emails comments to PM's • 3-5 day turnaround 	<p><i>Current Process</i></p> 




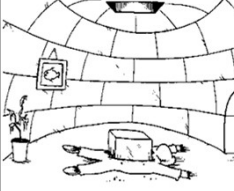
Campus Services

Design Review Form for Clinic Utility Relocation

August 27, 2007

<p><small>Emory University Atlanta, Georgia 30322 An equal opportunity, affirmative action university</small></p> <p>300 PSU Drive</p>	<p><small>Tel: 404.727.7161</small></p> <p><small>Fax: 404.727.2127</small></p>
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Schematic Design Package Review Comments						
To:	Greg Johnson	Date:	8/27/07			
Company:	Newcomb & Boyd Suite 805 303 Peachtree Center Ave. NE Atlanta, GA 30303-1277	From:	Bill Chaffield			
Emory Project:	Clinic Utility Relocation	Address:	Emory University 301 Pitt Drive Atlanta, GA 30322			
Emory Project #:	803820					
Emory Building ID #:	na					
Item No.	From	Date Rec'd	Sheet/Spec #	Comments/Issues	Response	Date Action Required
SD-1	B. Minchess	8/30/07	SS.1	Example Text		
SD-2	T. Bowman	9/10/07	SS.1	Example Text		

 <p>APPA Institute Developing & Using Campus Standards</p>	<p>Standards</p>
<p><u><i>Standards Utilization</i></u></p> <ul style="list-style-type: none"> • Guide Only <ul style="list-style-type: none"> • Oops list/hot buttons 	




	APPA Institute Developing & Using Campus Standards	Standards
<p><u>Standards Utilization</u></p> <ul style="list-style-type: none"> • Guide Only • Doesn't Relieve Consultants <ul style="list-style-type: none"> • Codes • Standard of Care • Professional Judgment • Professional Duty 		

	APPA Institute Developing & Using Campus Standards	Standards
<p style="text-align: center;">Should Deviations be Allowed?</p> <p style="text-align: center;">If so...</p> <p style="text-align: center;">Under What Conditions?</p>		



	<p>APPA Institute Developing & Using Campus Standards</p>	<p>Standards</p>
<p><u><i>Why Aren't They Followed?</i></u></p> <ul style="list-style-type: none"> • Too Long • Too Detailed • Can Override Design Ideas • Can Deflect Liability • Might Be Outdated 		

	<p>APPA Institute Developing & Using Campus Standards</p>	<p>Compliance</p>
<p><u><i>Insure Compliance?</i></u></p> <ul style="list-style-type: none"> • Contractual Obligation • Shared Cost • Be Reasonable • Don't Use as Specifications 		

	APPA Institute Developing & Using Campus Standards	Updates
<p><u>Updates</u></p> <ul style="list-style-type: none">• Continuous• Semi-Annual• Annual• Formal vs. Informal		