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Scott Walker, Governor
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March 29, 2011

CUST ID No. 824379
LAURA DAVIS
ISTHMUS ARCHITECTURE
613 WILLIAMSON ST STE 203
MADISON WI 53703-3515

Fee Received \$	0.00
WiSMART code:	7648

REQUEST FOR ADDITIONAL INFORMATION

SITE:

WI State Historical Society
816 State St
City of Madison, 53706
Dane County

Identification Numbers
Transaction ID No. 1898382
Site ID No. 501821
Please refer to both identification numbers, above, in all correspondence with the agency.

FOR:

Facility: 501821 WI STATE HISTORICAL SOCIETY
HEADQUARTERS
816 STATE ST
MADISON 53706

Tenant Name or Addn/Alt Description: ADA upgrade to exterior monumental stairway
Object Type: Building, Historic Regulated Object ID No.: 1296378 Code Applies Date: 01/13/11
Alteration Level: 1; Major Occupancy: Business; Type IIIA Exterior Noncombustible Protected class of construction;
Alteration plan; 11,300 project sq ft; Unsprinklered; Occupancy: A-1 Theater Assembly, A-3 Other Assembly Uses

The submittal described above has been placed on **HOLD** and the review and approval is pending subject to receipt of the **ADDITIONAL INFORMATION** and/or revised plans requested by this letter. Upon receipt of the additional information and/or revised plans, the plans will be reviewed for compliance to applicable Wisconsin Administrative Codes and Wisconsin Statutes.

The following must be corrected/revised and accompany the resubmittal:

Revised plans are required to be submitted. The fee for a plan re-submittal received prior to a denial action is \$75 + \$100 submittal fee = \$175. Include either 4 revised plans or one revised plan & 3 updated index sheets showing plan sheet revision dates.

- **Comm 61.31(2)** Designer shall identify plan revisions by a readily discernible means such as shading, highlighting, hatching or clouding the changed areas prior to plan resubmittal. Failure to do so will delay review.

Note: Dale Mitchell, the original commercial building plan reviewer for this project, has retired. As discussed, Randy Dahmen, P.E., has been assigned to perform follow-up on your submittal.

- **IEBC 605.1.12** Alterations shall not reduce the current accessibility of a building. The designer has chosen to re-install the existing ramp so as to not reduce the current accessibility, vs the original removal of the ramp and proposed replacement with a stair system as originally submitted. As required by IEBC 605.2, any installed egress system shall meet the current code requirements.

Although not discussed in my phone conversation with Laura Davis, it should be noted that if this building is recognized as a historic building, IEBC 1104 would be applicable. IEBC 1104.1.1 states at least one main entrance shall be accessible. As discussed with this reviewer, there are no other accessible means to enter the building.

- **IBC 605.1.4/IBC 1010.2** Provide ramps with slopes involving a rise greater than 6" with a maximum slope of 1:12. Plans indicate a 1:7 rise when re-constructed. Designer to address.
- **Comm 61.31(2)(e)** The plan submittal did not include the required structural calculations to justify the new footings, etc on the plan for addressing faults for the vault and stair assembly.
- **ICC/ANSI A117.1 Sec. 305.2** - Floor and ground surfaces at doors, parking and landings shall not have a slope greater than 1:48 and compliant with Section 302.
- **ICC/ANSI A117.1 Sec. 405.2** - The slope of the ramp run may not exceed 1:12. In existing buildings ramps shall be permitted with slopes steeper than 1:12 complying with Table 405.2 where such slopes are necessary due to space limitations.
- **ICC/ANSI A117.1 Sec. 405.5** - The clear width of a ramp shall be at least 36 inches between handrails or obstructions.
- **ICC/ANSI A117.1 Sec. 405.7** - Ramp landings when the ramp changes direction shall provide a turning space complying with Section 304.3.
- **ICC/ANSI A117.1 Sec. 405.7** - Ramps shall have landings at the top and bottom of each run and where they change direction. The landing shall be at least as wide as the widest run leading to the platform and at least 60 inches in length. Where a ramp changes direction the landing shall be sized to provide a turning space complying with Section 304.3.
- **ICC/ANSI A117.1 Sec. 405.8** - Ramps with a rise greater than 6 inches shall have handrails compliant with Section 505 on both sides. Handrails shall not reduce the required clearances for the ramp or landings.
- **ICC/ANSI A117.1 Sec. 405** - Ramp requirements of this code section shall be complied with for width, handrails and slope.
- **ICC/ANSI A117.1 Sec. 405** - A walking surface becomes a ramp if the slope exceeds 1:20. Ramps shall comply with all requirements of Section 405.

Our agency offers a number of worksheets and checklists for the Commercial Building Code at <http://commerce.wi.gov/SB/SB-DivPlanReview.html#Comm> that may assist you in preparing your submittal.

Send your re-submittal into the address listed above, unless otherwise noted, and the department will review the resubmittal within 5 working days of receipt date. Please include a copy of this letter with your resubmittal.

Designer shall identify plan revisions by a readily discernible means such as shading, highlighting, hatching or clouding the changed areas prior to plan re-submittal. Failure to do so may delay review.

If the above requested information and/or plans are not received within 30 business days of the date of this correspondence, this submittal will be returned denied. No fees will be refunded, and a new fee, application form, and submittal of plans/specifications will be required should you desire to continue with this project. The code in effect at the time of new submittal would apply.

If you have any questions, after reading the above comments and related code sections cited, please call me at the telephone number below.

Sincerely,

Randall R Dahmen, PE
Engineering Consultant, Integrated Services
(608) 266-3162, M-F 7:45AM - 4:30PM
randy.dahmen@wisconsin.gov

cc: Steve Gothard, State Building Inspector, (608) 235-0568, Monday