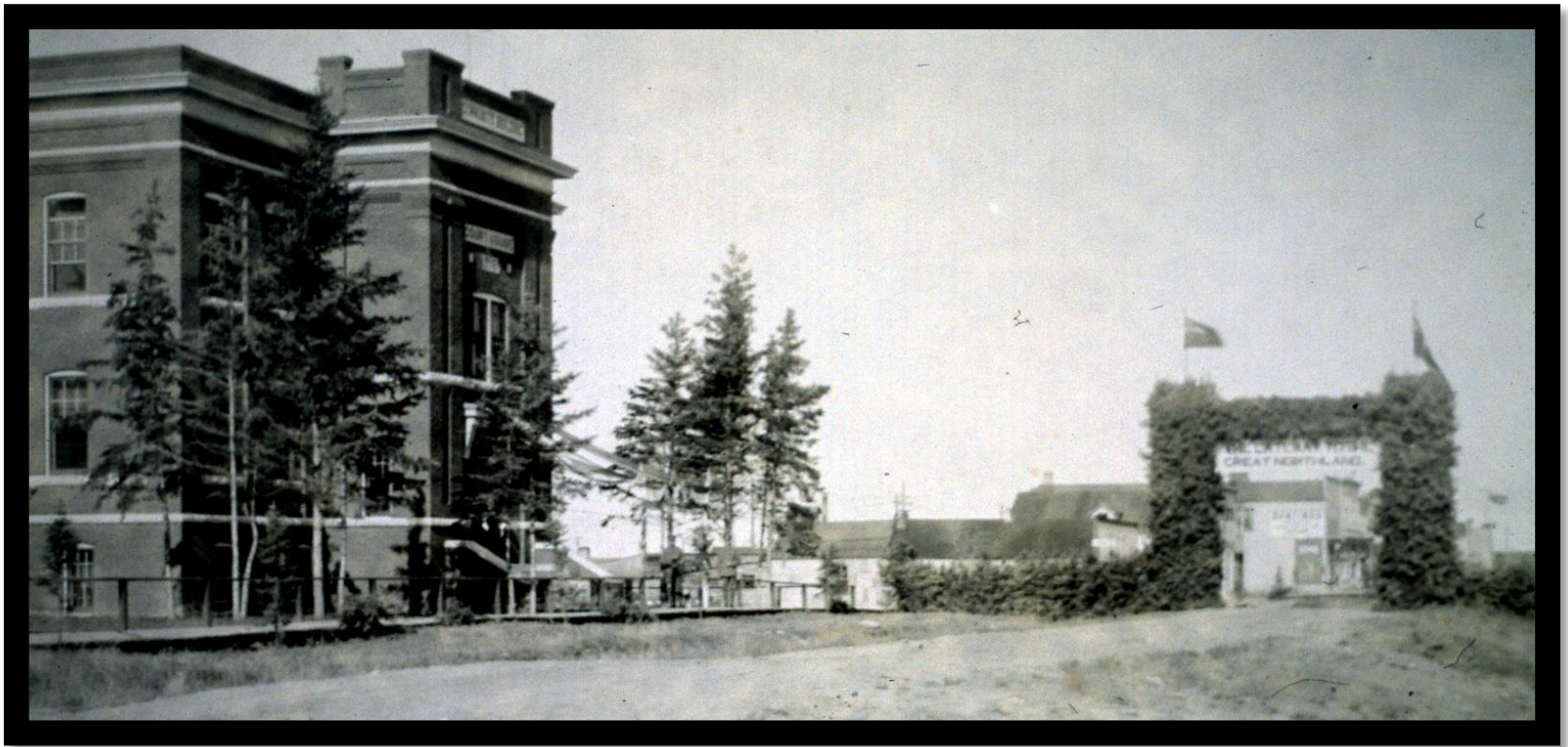


# **CRUCIAL CAUTIONS RE MUSEUM ADAPTIVE RE-USE OF HERITAGE STRUCTURES**



See author's initial hour-long narrated PowerPoint at [rb.gy/k5ptv](https://rb.gy/k5ptv) .  
This narrated PowerPoint with significant additions created by Paul C. Thistle, August 2023.

# ADDITIONAL DETAILS ON PODCAST:

## ADAPTIVE RE-USE PROJECT TO HOUSE THE SAM WALLER MUSEUM, 1984 - 1995



at <https://miscellaneousmuseology.wordpress.com/2021/05/10/>



# THE SAM WALLER MUSEUM IN PROVINCIAL HISTORIC SITE



Courtesy of The Sam Waller Museum, The Pas, MB <https://www.samwallermuseum.ca/>

# MUSEUM ADAPTIVE RE-USE RESOURCES

- **Thistle, Paul C. 2017. [Adaptive Re-Use Project for The Sam Waller Museum NARRATION 2](#) [Narrated PowerPoint provides significant details on a complex \$1.7 million capital project to move the Museum into a Manitoba provincially designated historic site that was successfully renovated to turn the structure into a professional museum standard facility.]**
- **Thistle, Paul C. 2016. “Book Reviews: *Building Museums: A Handbook for Small & Midsize Museums*” by Robert Herskovitz et al. *Material Culture: The Journal of the Pioneer America Society* 48(1): 79-81 [best book for inexperienced] at <https://miscellaneousmuseology.files.wordpress.com/2021/11/building-museums-review-by-thistle-revised-approved.pdf> .**
- **Paul C. Thistle’s 10-page detailed suggestions for improving any potential second edition of Herskovitz (2012) that were forwarded to the publisher are found in [Building Museums Recommendations for Second Edition by Thistle](#) .**



**AMONG PAUL'S  
EXPERIENCES  
IN HERITAGE  
STRUCTURES**

# MUSEUMS IN HERITAGE STRUCTURES



**Dawson City Museum in Yukon's  
Old Territorial Administration Building  
National Historic Site, built 1899-1901**

# MUSEUMS IN HERITAGE STRUCTURES



**Memorial Hall, Logan Museum of Anthropology,  
Beloit College, WI, USA, built 1867**



# MUSEUMS IN HERITAGE STRUCTURES



**Hamilton Museum of Steam & Technology, built 1856-59**

**DANGERS!**

**CAUTIONARY**

**TALES FOR**

**ADAPTIVE RE-USE**

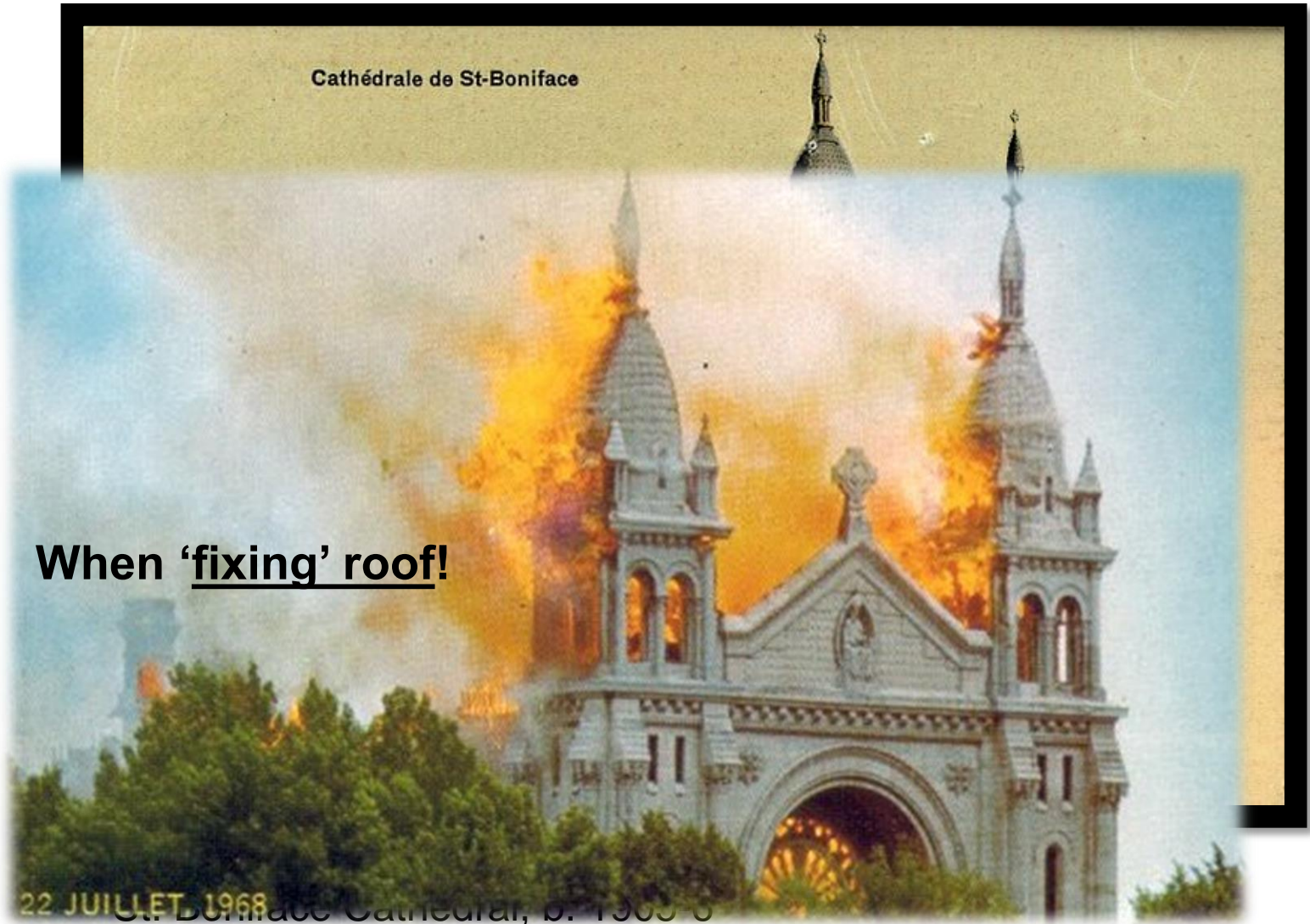
# FIRST CAUTIONARY TALE



**St. Boniface Cathedral, Winnipeg, MB, built 1905-6**



# FIRST CAUTIONARY TALE

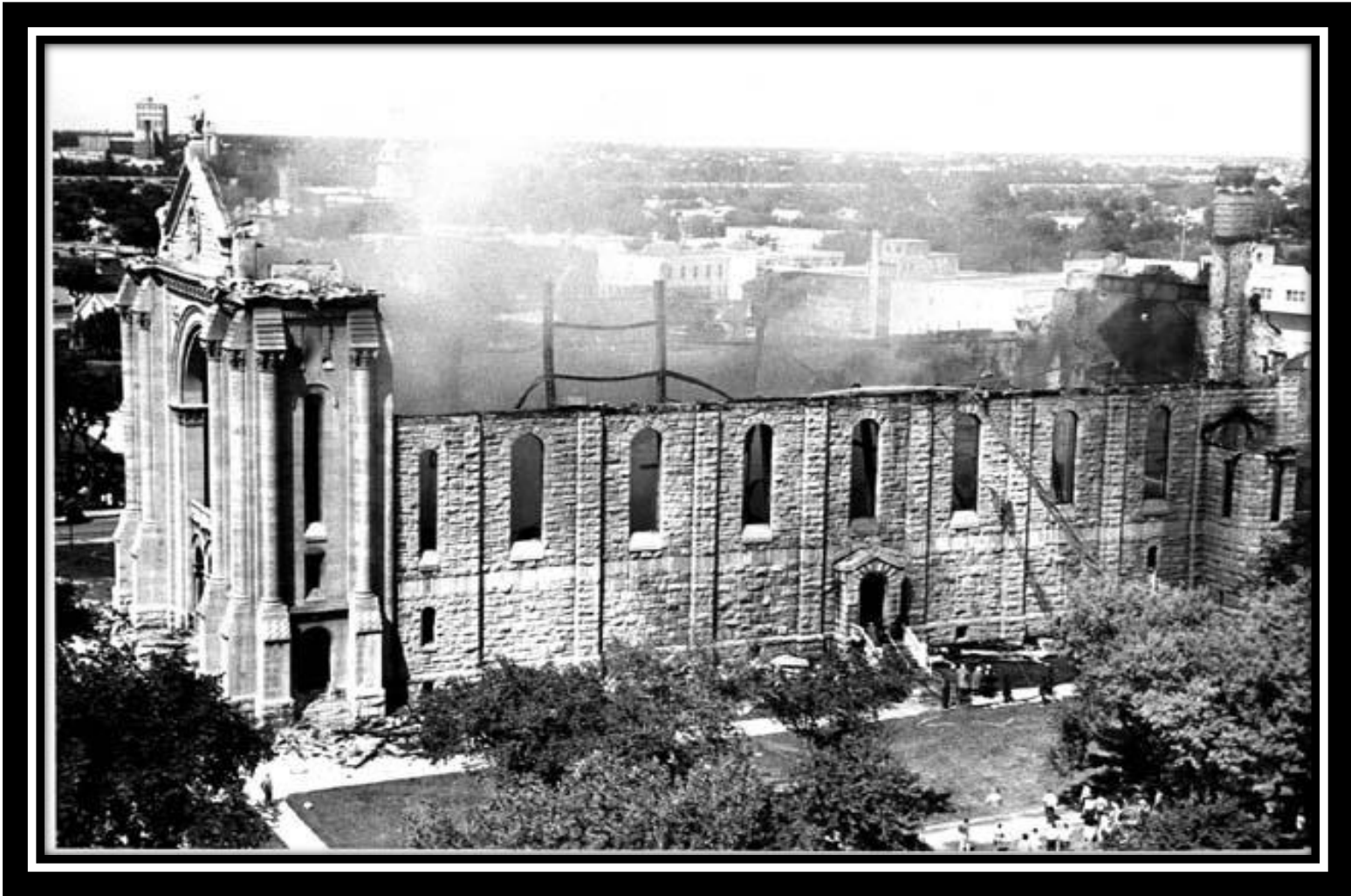


Cathédrale de St-Boniface

When fixing roof!

22 JUILLET, 1968 Cathédrale de St-Boniface, B. 1905-6

# CATHEDRAL'S BURNED OUT SHELL



Contractors **MUST CARRY ADEQUATE INSURANCE!**



# ADAPTIVE RE-USE OF SHELL





# RENOVATIONS ARE FIRE HAZARDS!



Museum of Civilization, Quebec City, Sept. 2014, fixing roof 4 alarm fire

# RENOVATION HAZARDS!

## Notable construction and renovation fires

Fire	↕	Date	↕	Probable cause	↕	Refs	↕
SS Normandie		1942		sparks from a welding torch used while being converted to a troopship.			
Nantes Cathedral		1972		started in roof by worker with blowtorch.		[4]	
Montreal Biosphere		1976		started by worker with welding torch		[5][ <i>circular reference</i> ]	
Hotel Margaret, Brooklyn		1980		heater used by workers? <sup>[<i>better source needed</i>]</sup>		[6]	
Uppark, Sussex		1989		roof <b>re-leading</b>		[7]	
Windsor Castle		1992		spotlight on curtains		[3]	
Manhattan's Central Synagogue		1998		<b>blowtorch</b> used to install air conditioning on roof		[8]	
University of Kentucky Main Building		2001		thought to be welding torch used to repair <b>guttering</b>		[9][10]	
St. Catherine's Church, Gdańsk		2006		started in roof, <b>short circuit</b> of a tinkered cable		[11]	
Trinity Cathedral, Saint Petersburg		2006		originated in exterior scaffolding		[12][13]	
<i>Cutty Sark</i>		2007		industrial vacuum cleaner, AWOL firewatchers		[14][15]	
Universal Studios Hollywood		2008		started when worker used blowtorch to heat asphalt shingles		[16]	
Hôtel Lambert, Paris		2013		under investigation, started in roof		[17][18]	
Basilica of St. Donatian and St. Rogatian, Nantes		2015		started in roof		[4]	
Battersea Arts Centre, London		2015		under investigation, started in roof		[19][20]	
Mackintosh Building, Glasgow School of Art (2018)		2018		under investigation; lack of precautions after 2014 fire		[21][3]	



# RENOVATIONS ARE HAZARDOUS!

## Notable construction and renovation fires

Fire	Date	Probable cause	Refs
SS Normandie	1942	sparks from a welding torch used while being	
Nantes Cathed			
Montreal Biosp			[circular reference]
Hotel Margare			
Uppark, Susse			
Windsor Castle			
Manhattan's Ce			
University of Ke			[
St. Catherine's			
Trinity Cathedr			3]
Cutty Sark			5]
Universal Studi			
Hôtel Lambert,			8]
Basilica of St. D			
Rogatian, Nant			
Battersea Arts			0]
Mackintosh Bu			
of Art (2018)			

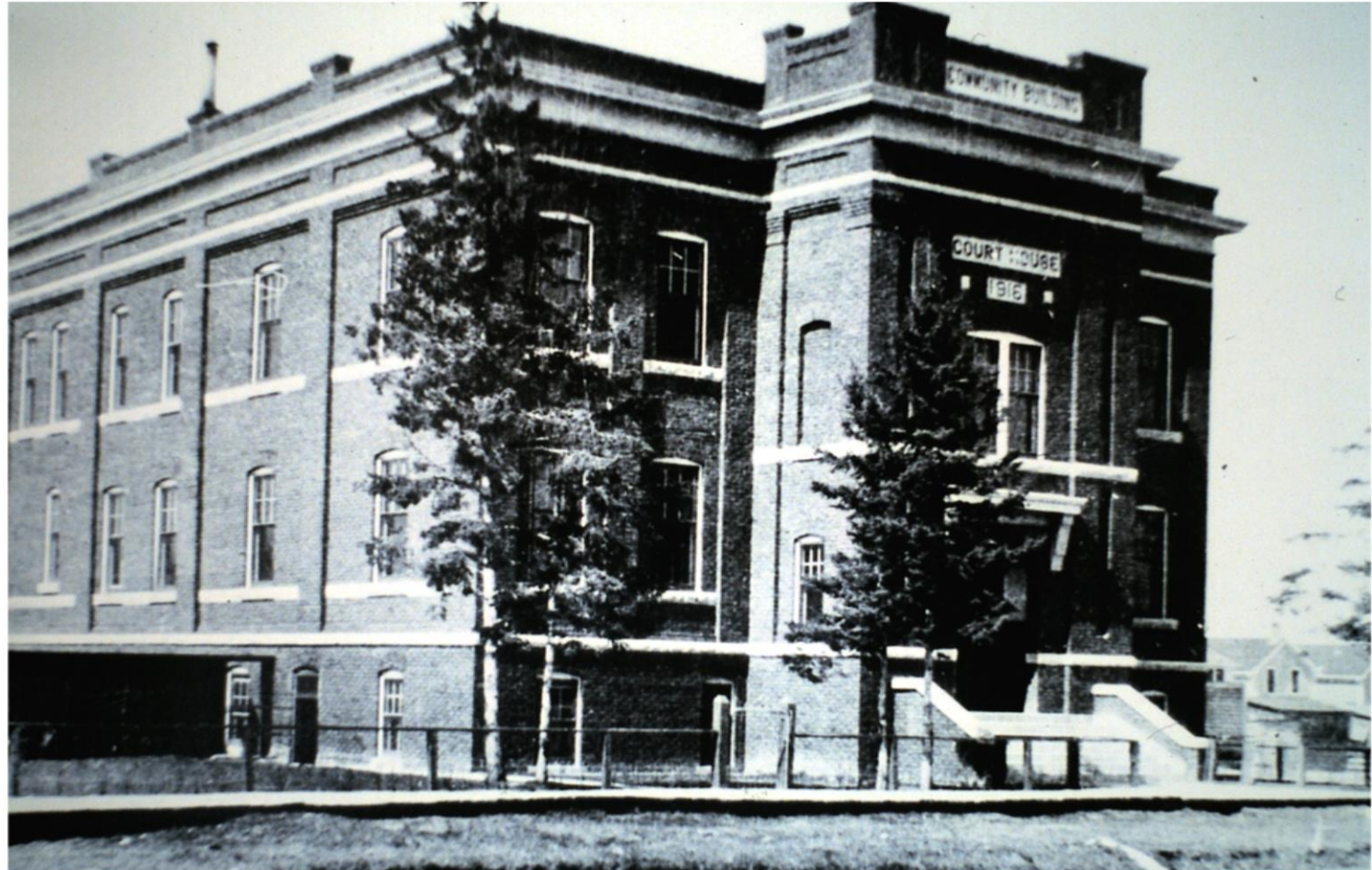


[https://en.wikipedia.org/wiki/Notre-Dame\\_fire#cite\\_note-six\\_questions.21](https://en.wikipedia.org/wiki/Notre-Dame_fire#cite_note-six_questions.21)



**TARGET  
PROVINCIAL  
HISTORIC SITE  
FOR MUSEUM  
ADAPTIVE RE-USE**

# COMMUNITY BUILDING/COURT HOUSE, THE PAS, MB, BUILT 1916-1917



# ORIGINAL TREES' PROMINENCE





# ACCURATE MATURE TREE REPLANT, 1992



# UNHISTORIC TREES PLANTED





# RECENTLY VACATED, 1982





# COMMUNITY BUILDING AT TAKEOVER



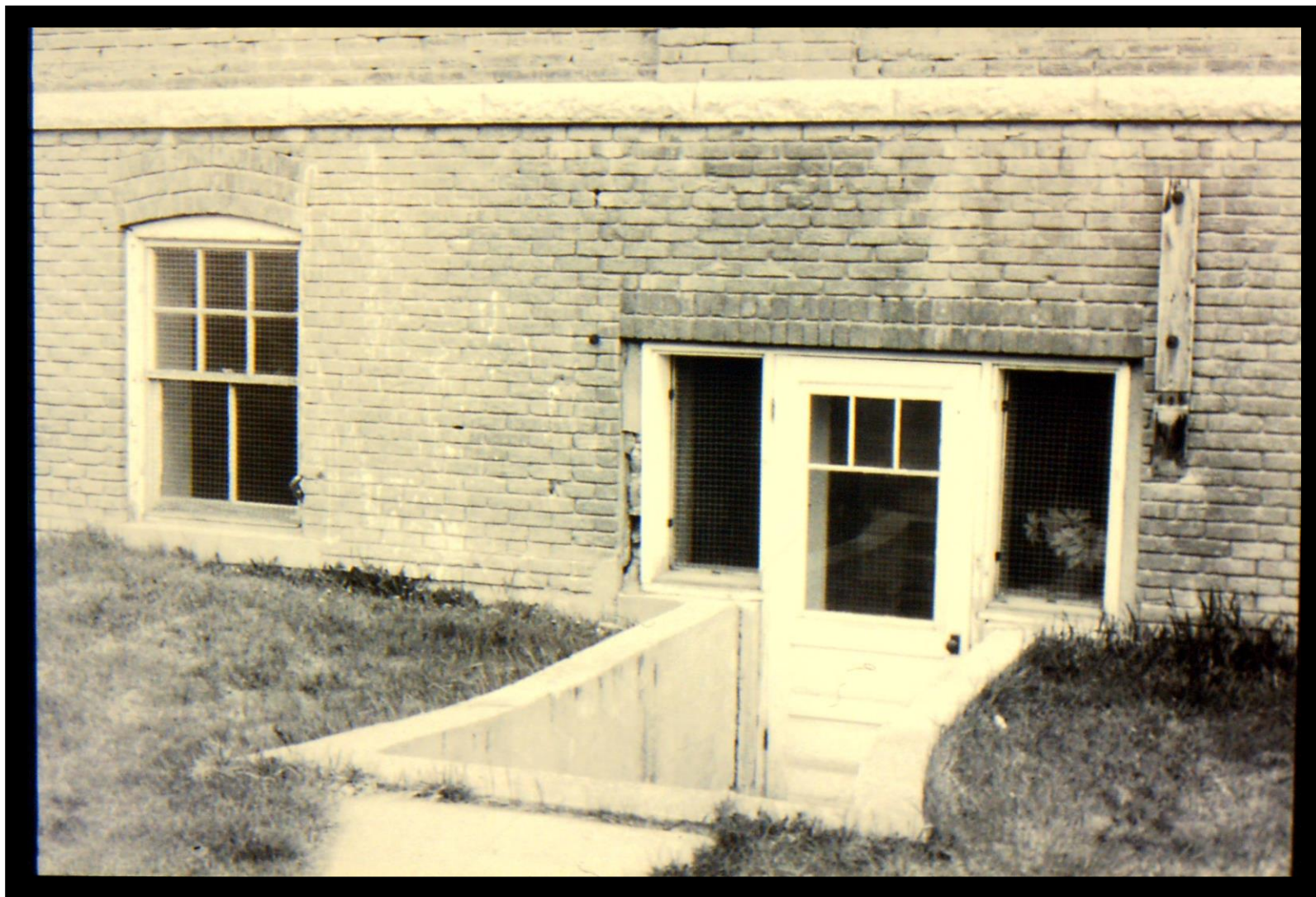
Since vacated, building was not heated, so plaster deteriorated.

# **BUILDING EXTERIOR AT TAKEOVER, 1987**





# HERITAGE VALUE AT TAKEOVER, 1987





# **BUILDING INTERIOR AT TAKEOVER, 1987**



# LAW LIBRARY WITH ORIGINAL FINISHES



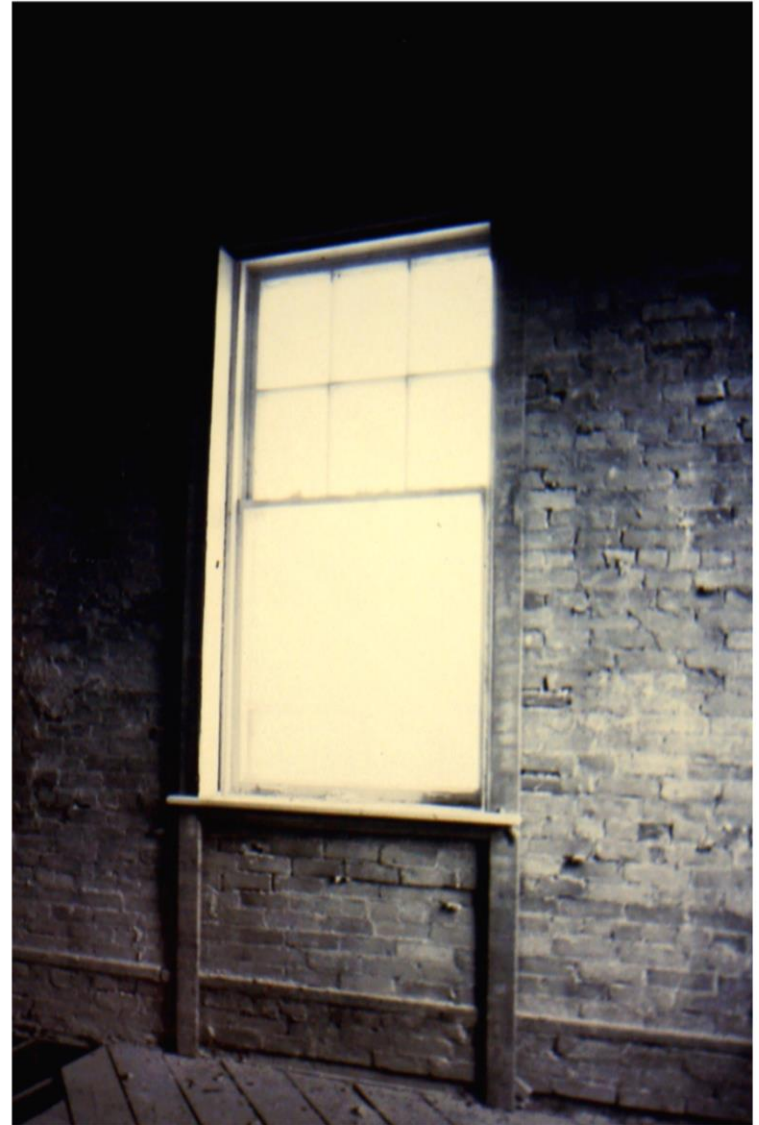


# SELECTIVE DEMOLITION PHASE 1





# SELECTIVE DEMOLITION PHASE 1



# ROOF NEEDED REPLACEMENT





# SKYLIGHT FEATURE RETAINED

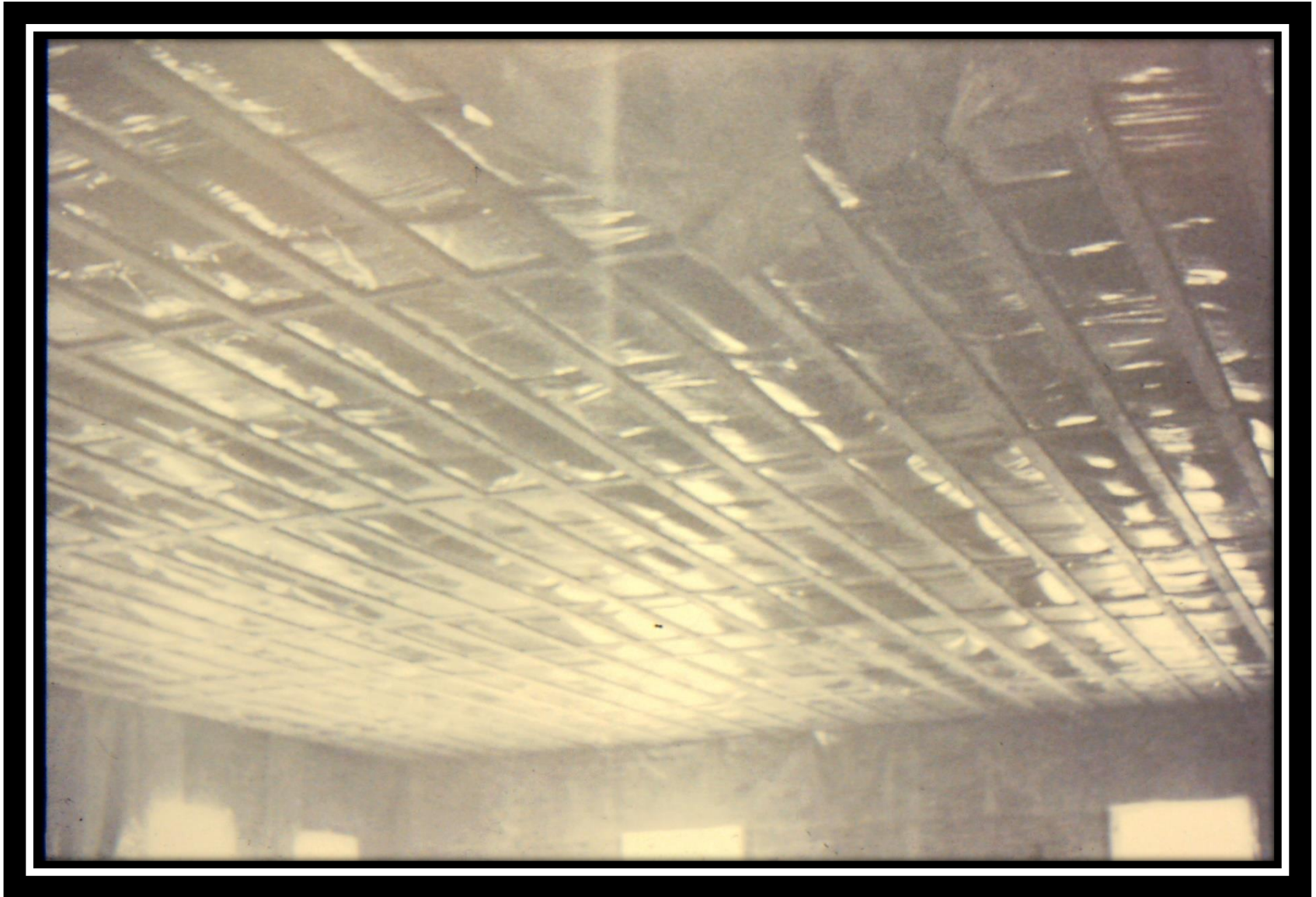




# SALVAGED MILLWORK

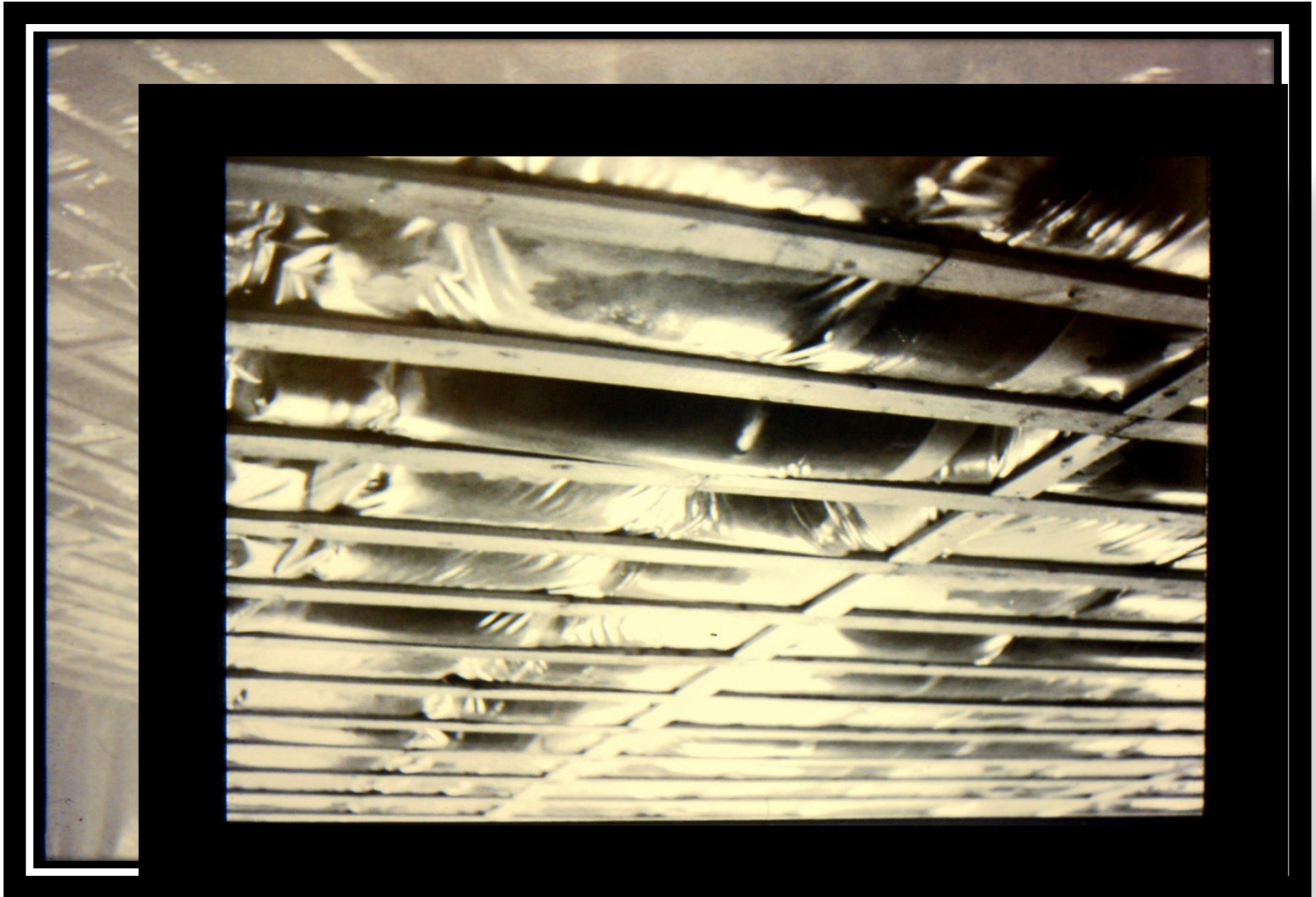


# 6" RAIN RESULT AFTER NEW ROOF BUILT!





# 6" RAIN RESULT





# SELECTIVE DEMOLITION WINTER WORK



# SELECTIVE DEMOLITION WINTER WORK



**A CRUCIAL TASK OF IMAGINATION!**

**ADAPTIVE**

**RE-USE**

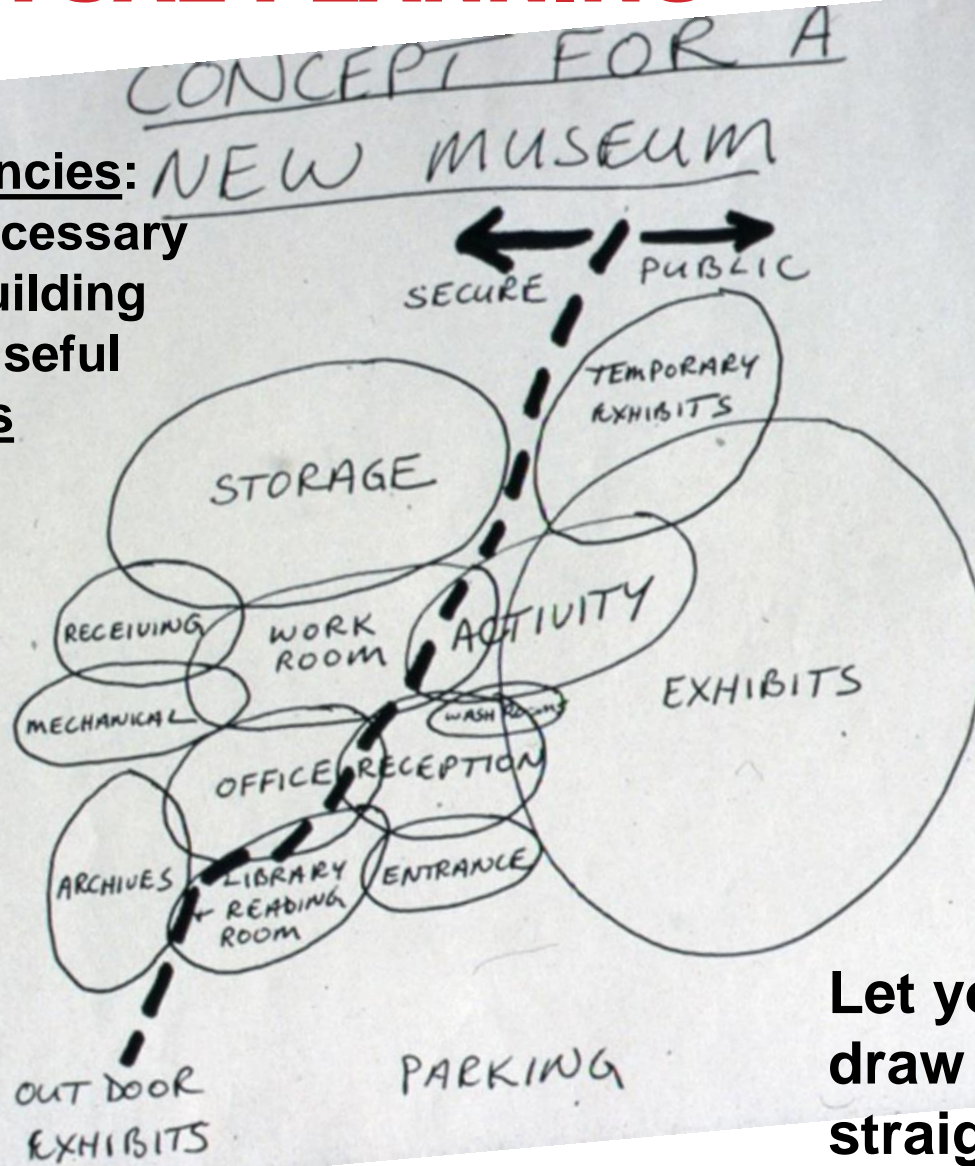
**PLANNING**

**CHALLENGES**



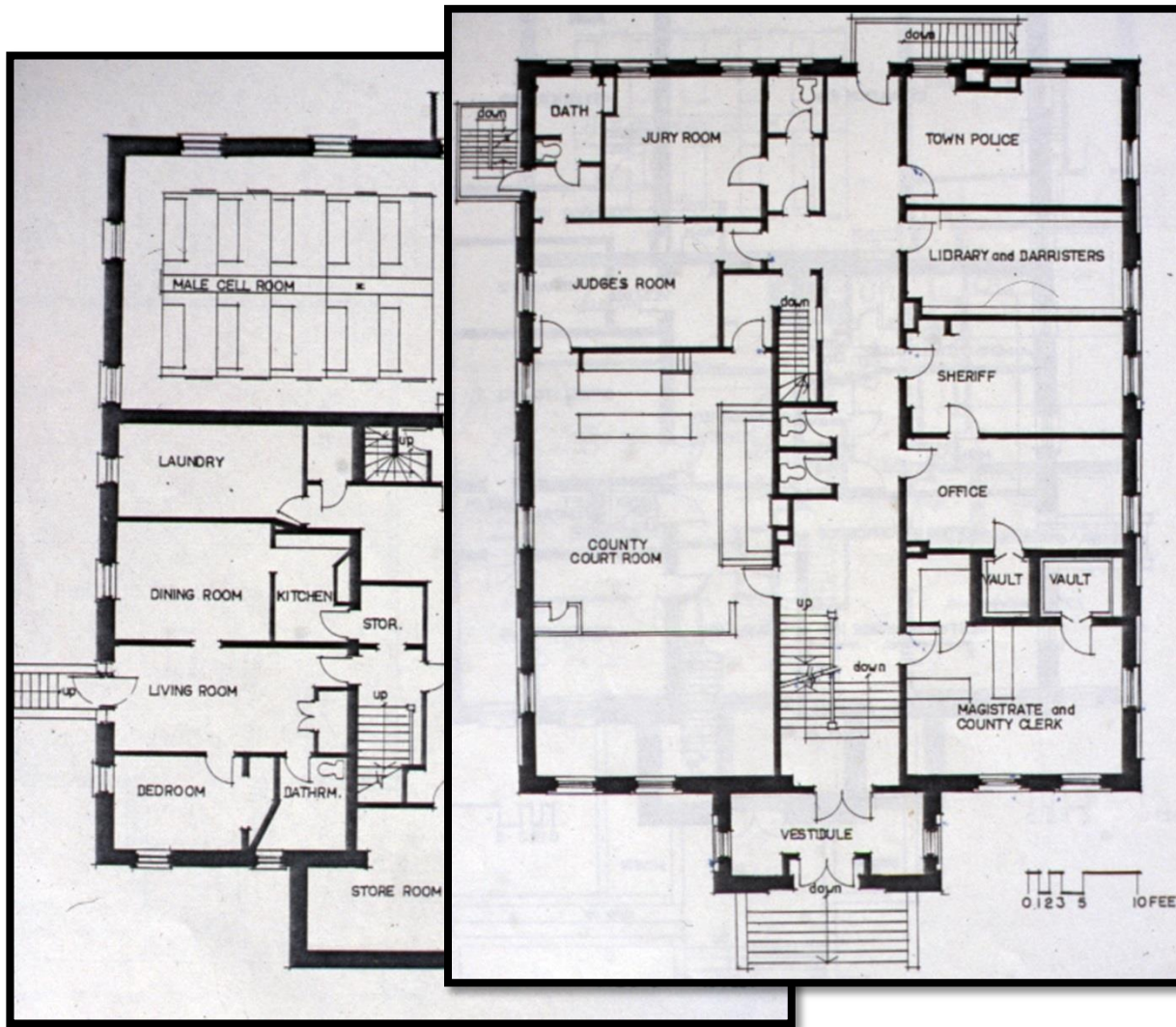
# CONCEPTUAL PLANNING

Functional Adjacencies:  
Don't design unnecessary  
footsteps into a building  
for the rest of its useful  
life—a tremendous  
responsibility!



Let your architect  
draw all the  
straight lines!

# EXISTING FLOOR PLAN CHALLENGES

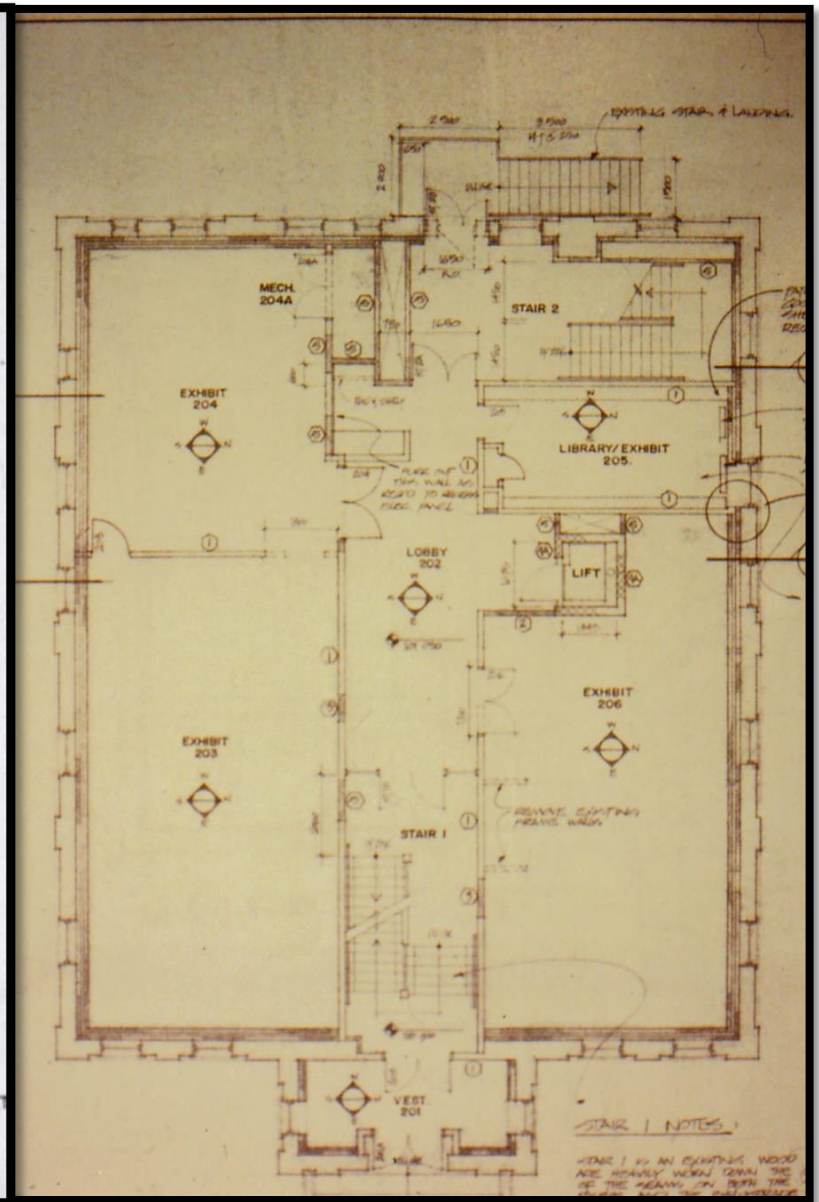
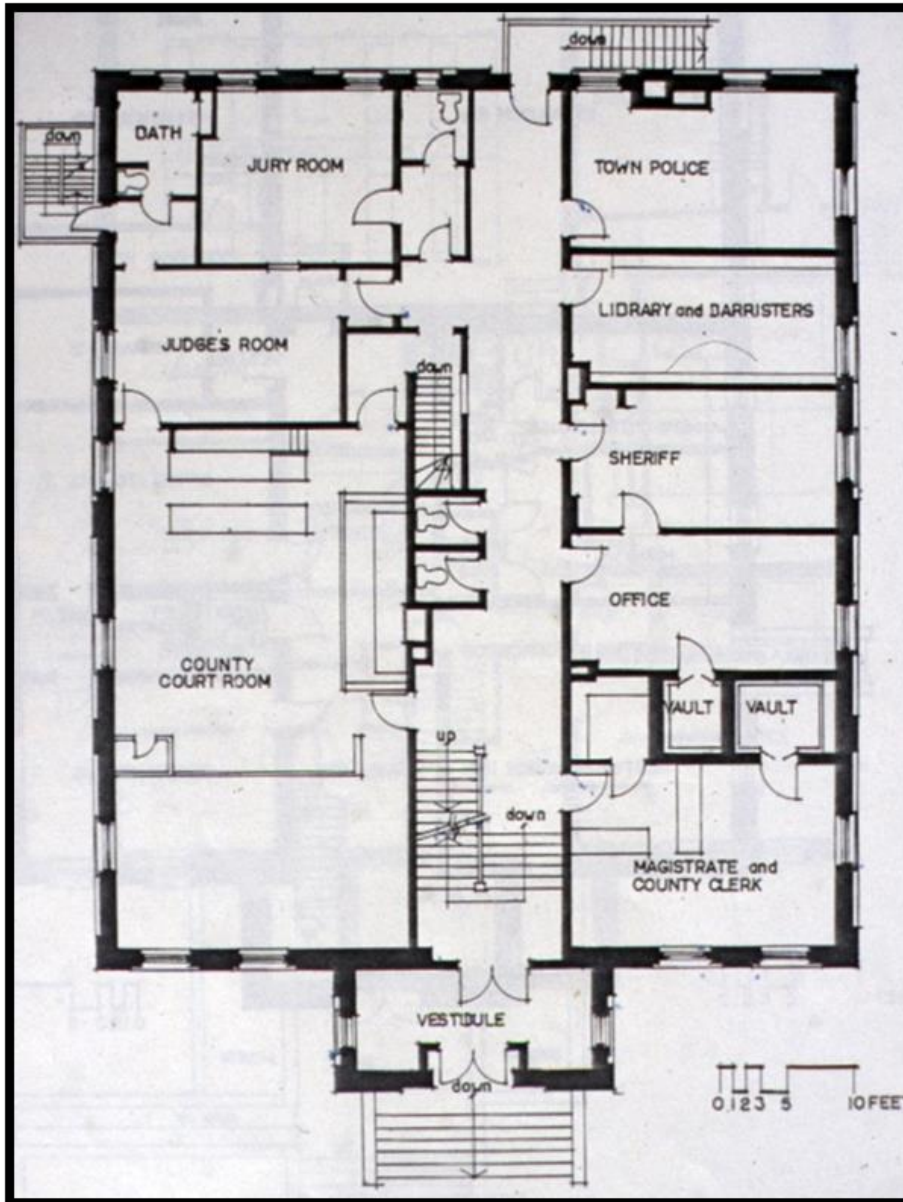


Existing Level II spaces rather small & limited adaptability





# EXISTING FLOOR PLAN SOLUTION



# NEW CONSERVATION APPROACHES



<https://www.nytimes.com/2023/02/01/arts/design/museums-energy-climate-control.html>

## Also see:

Robin [surname not given]. 2011. "The "NEW" Environmental Standards for Museums." *Ah-Tah-Thi-Ki Museum Blog* [Seminole Tribe of Florida] posted on March 16, 2011 [based on Hatchfield (2011) reference in next slide] at <https://ahtahthiki.wordpress.com/2011/03/16/the-new-environmental-standards-for-museums/>



# AAM MUSEUM NEWS (JAN/FEB 2011)

## CRACK WARP SHRINK FLAKE

### A NEW LOOK AT CONSERVATION STANDARDS

By Pamela Hatchfield

In the high humidity of summer, bronzes erupt with powdery green corrosion and paper becomes speckled with mold. Droplets of liquid form on glass or enamel inside museum exhibition cases. When the heat is on in the winter, white salts exude from the pores of stone. Long cracks appear in wood or ivory sculpture. Skins, parchment or paper can cockle or tear.

With such diverse materials and so many different reactions possible, how do we best preserve entire collections? For decades, museums adhered to certain prescribed "ideal" conditions of relative humidity and temperature in an attempt to protect the objects in their care. But uncertainty about the efficacy of these guidelines for all types of materials—along with concerns about the environment and the economy—have now motivated many in the museum profession to consider new standards for the storage, loan and exhibition of museum holdings. As part of this movement, the American Institute for Conservation of Historic and Artistic Works (AIC), the national association of conservation professionals, has created a working group to revise recommendations and provide guidance to the museum community.

Objects can hardly be expected to respond in similar ways to environmental conditions. Some materials are vastly more sensitive than others to specific conditions or certain agents of deterioration. And profoundly different states of preservation are observed in similar artifacts and works of art. Just consider the diversity of materials and methods used in their creation and the history of their use and restoration. Some crack, warp, shrink and flake when exposed to climatic fluctuations, while others seem impervious. In addition to relative humidity and temperature, environmental agents such as light, particulates, pollutants, mold and insects contribute to the general state of collection preservation. The damage these agents inflict may be further enhanced by certain humidity and temperature levels. Research and practice over

*Pamela Hatchfield is Robert P. and Carol T. Henderson Head of Objects Conservation, Museum of Fine Arts, Boston, and vice president, American Institute for Conservation of Historic and Artistic Works (AIC), Washington, D.C. For a more in-depth discussion on environmental guidelines and bibliographic references, visit [conservation-us.org](http://conservation-us.org).*



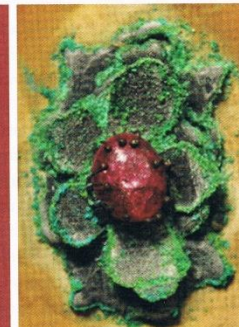



CRACK



WARP



SHRINK



MOLD



# NEW CONSERVATION STANDARDS

ICOM <https://www.google.com/search?client=firefox-b-d&q=%22new+museum+conservation+standards%22>

Hatchfield, Pamela. 2011. “Crack Warp Shrink Flake: A New Look at Conservation Standards.” *Museum News* Vol 90, No. 1 (Jan.-Feb.) pp. 40-41, 51 [See with login at <https://www.aam-us.org/?s=new+conservation+standards> ].

AIC Wiki, A Collaborative Knowledge Resource. 2020. "Environmental Guidelines: Museum climate in a changing world" at [https://www.conservation-wiki.com/wiki/Environmental\\_Guidelines](https://www.conservation-wiki.com/wiki/Environmental_Guidelines) (accessed 1 August 2021)

- **Conclusion:**
- **“The museum community acknowledges the practical difficulties, high cost and non-sustainability of maintaining flatlined relative humidity and temperature in the exhibition environment, and that a single standard is not suitable or necessary for all collection objects. . .”**



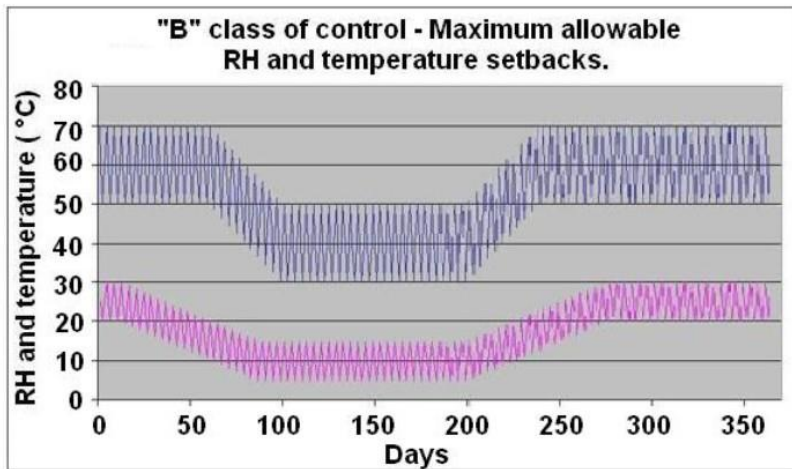
# NEW CONSERVATION APPROACHES

https://www.canada.ca/en/conservation-institute/services/preventive-conser 80% Search

## B (control, some gradients plus winter temperature setback)

This degree of control allows short-term fluctuations of  $\pm 10\%$  RH and  $\pm 5^{\circ}\text{C}$ , with a seasonal temperature change of up to  $10^{\circ}\text{C}$ . Note that the temperature can not be allowed to rise above  $30^{\circ}\text{C}$  but can fall as low as necessary to maintain RH control.

The image below shows the worst case scenario with maximal permissible fluctuation.



Canadian Conservation Institute  
<https://www.canada.ca/en/conservation-institute/services/preventive-conservation/environmental-guidelines-museums/classes-control.html>

Graph 5: The relative humidity is ramped down during the fall period from a summer level of 50% to 70%, to a winter level of 30% to 50%, and then ramped up again in the spring. These changes are gradual over a period of a couple of months, rather than abrupt. The temperature is ramped down during the summer and fall period from a summer level of  $20^{\circ}\text{C}$  to  $30^{\circ}\text{C}$ , to a winter level of  $5^{\circ}\text{C}$  to  $15^{\circ}\text{C}$ , and then ramped up again in the spring. These changes are gradual over a period of 3 months, rather than abrupt.

# NEW CONSERVATION APPROACHES

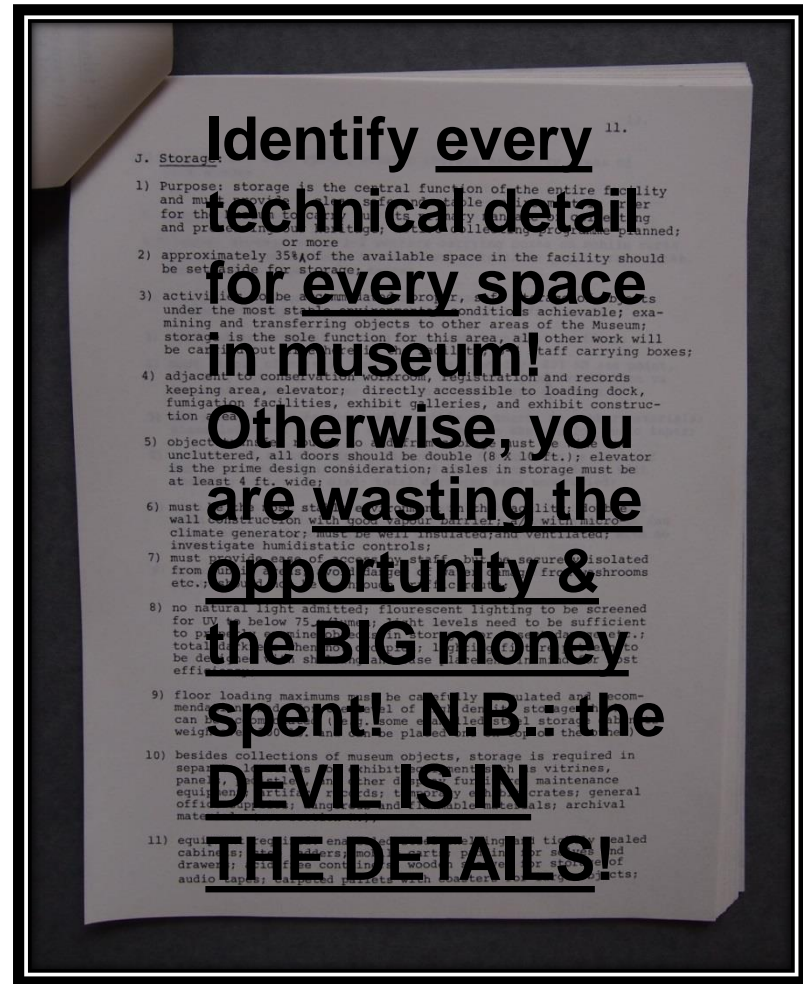
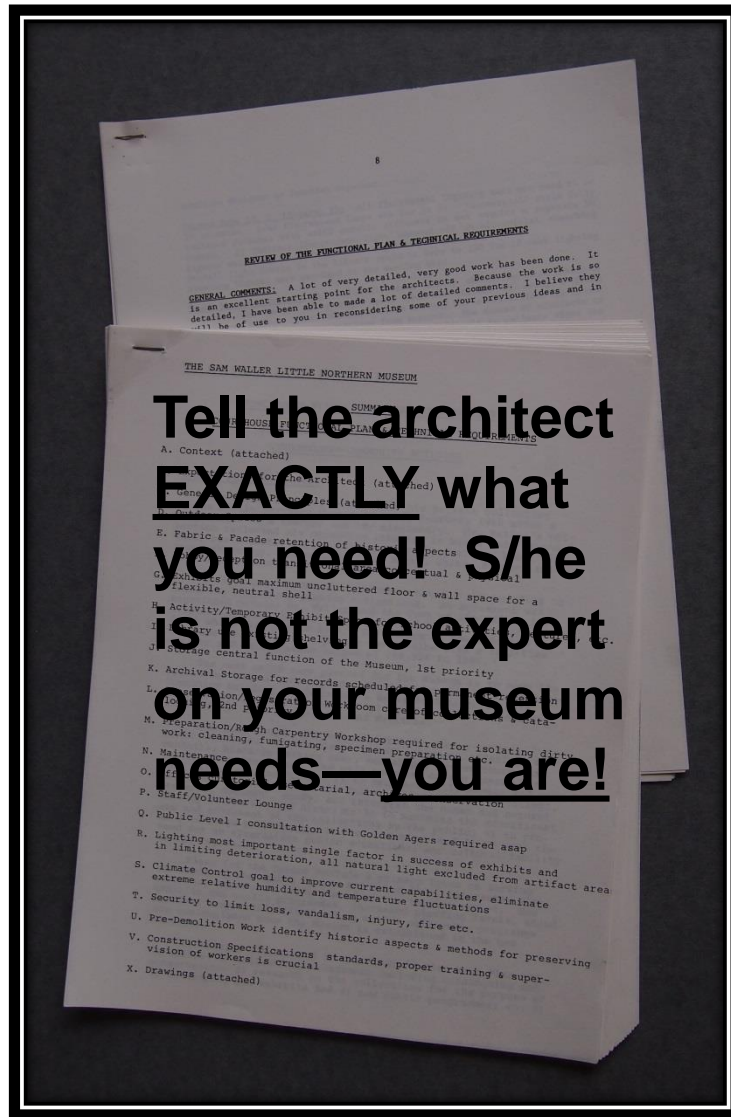
Caitlin Southwick founder of Key Culture, an international organization working on the Nexus between sustainability and culture.

- “We have put together a declaration on climate control asking museums to address and change their climate control and their loan agreements so that we can reduce carbon emissions in the sector and just yeah get a handle on it.”

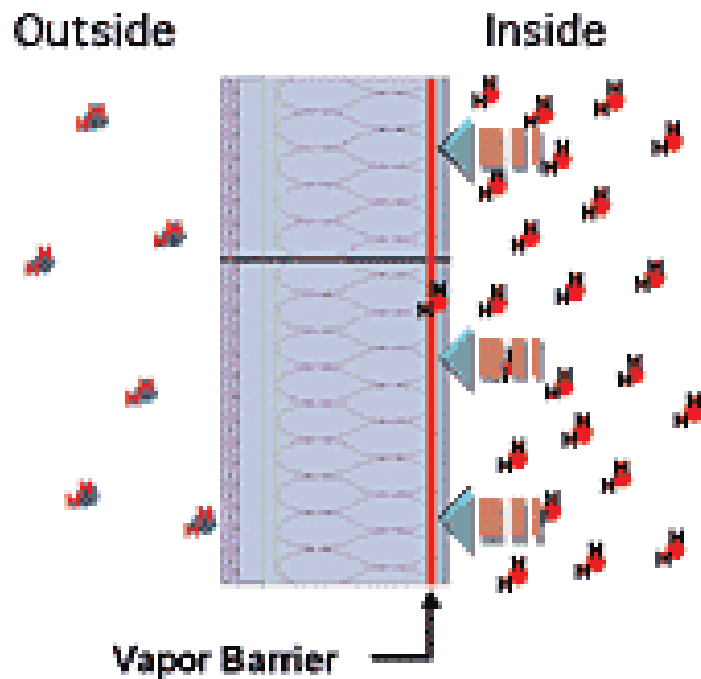
Southwick *et al.* 2022 “Soup-Slinging Syrup Showdown: Why Galleries and Museums Are Increasingly Sites of Climate Protests.” British Columbia Museums Association podcast on Thursday, December 8, 2022 at <https://museum.bc.ca/brain/bcma-panel-soup-slinging-syrup-showdowns/> (accessed 19 January 2023) [A txt file closed captioning transcript is provided by the British Columbia Museums Association is found at [Soup Slinging Webinar auto generated captions \(1\)](#) ] (accessed 3 August 2023).



# FUNCTIONAL PLAN (DETAILS, DETAILS...)



# KEY COLD CLIMATE SNAG FOR MUSEUMS

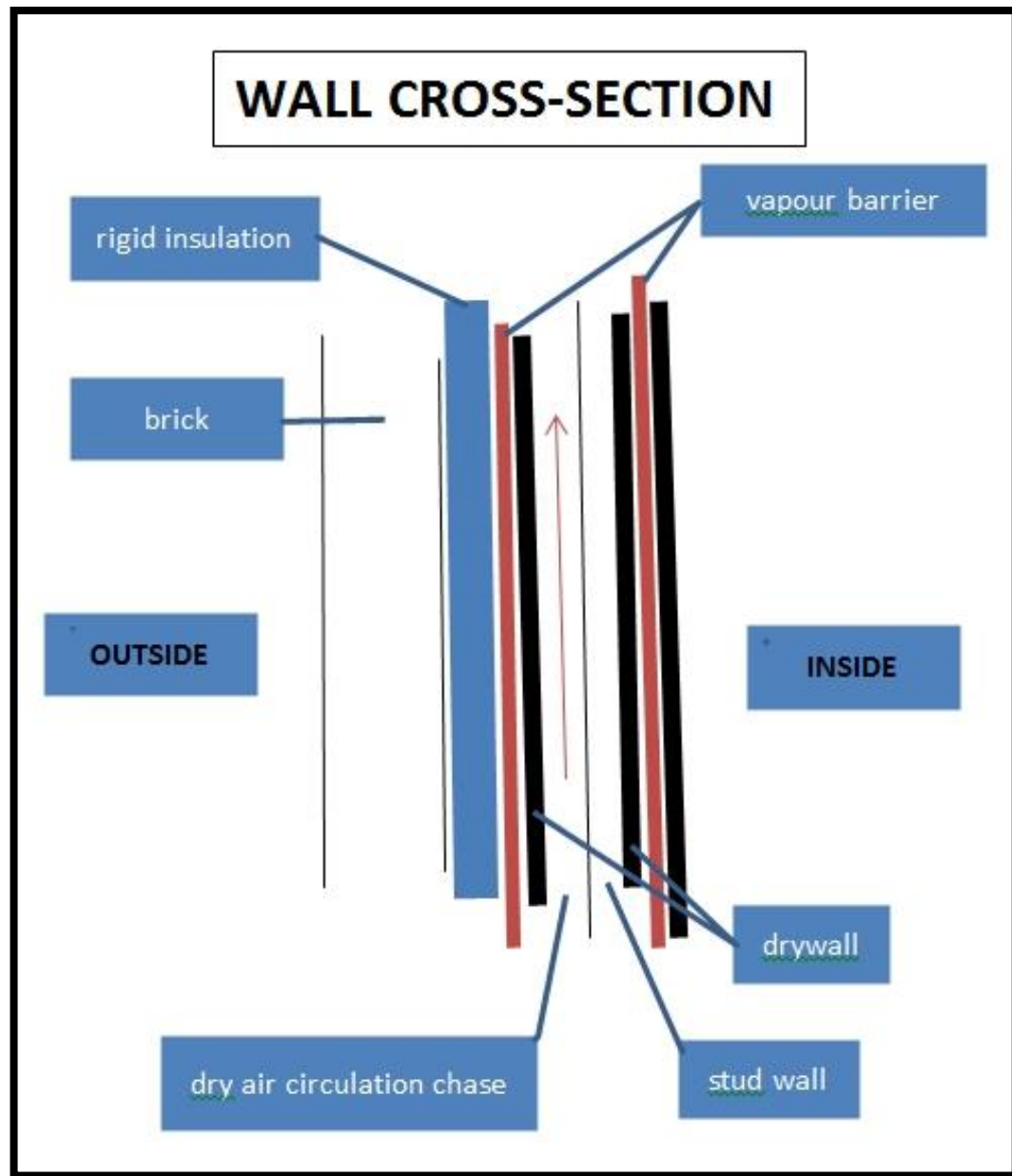
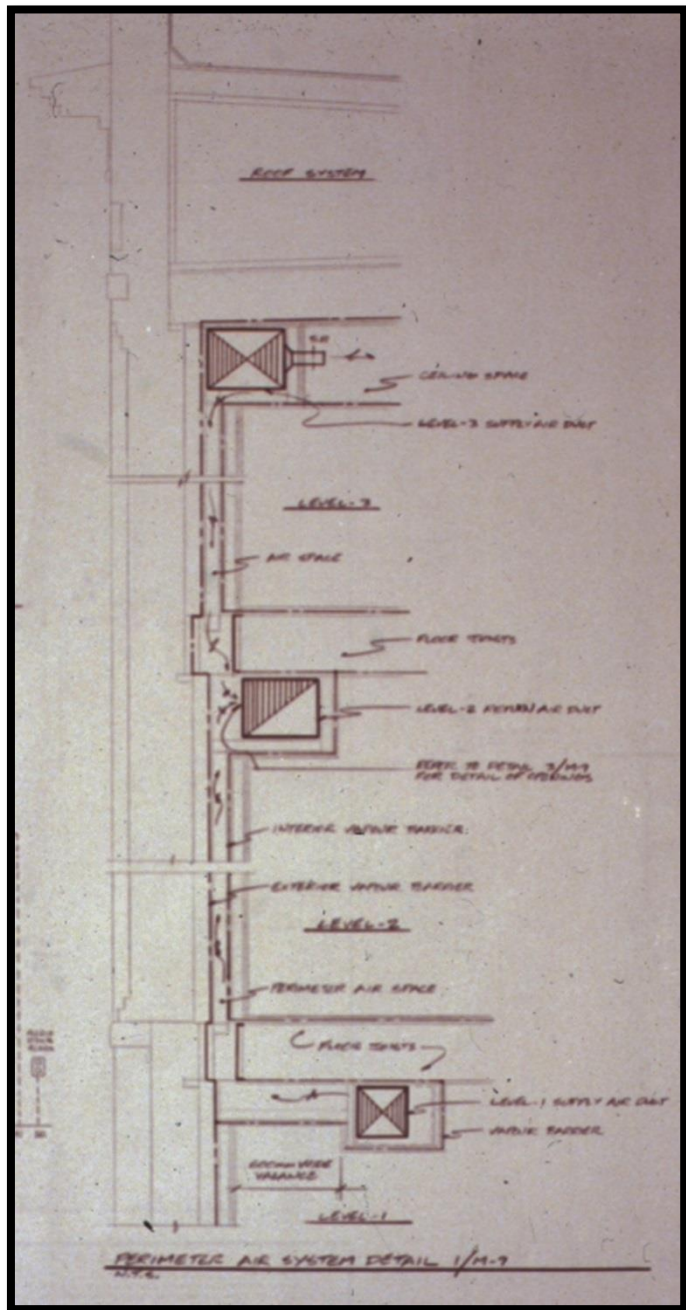


Remember  
Second  
Cautionary  
Tale!

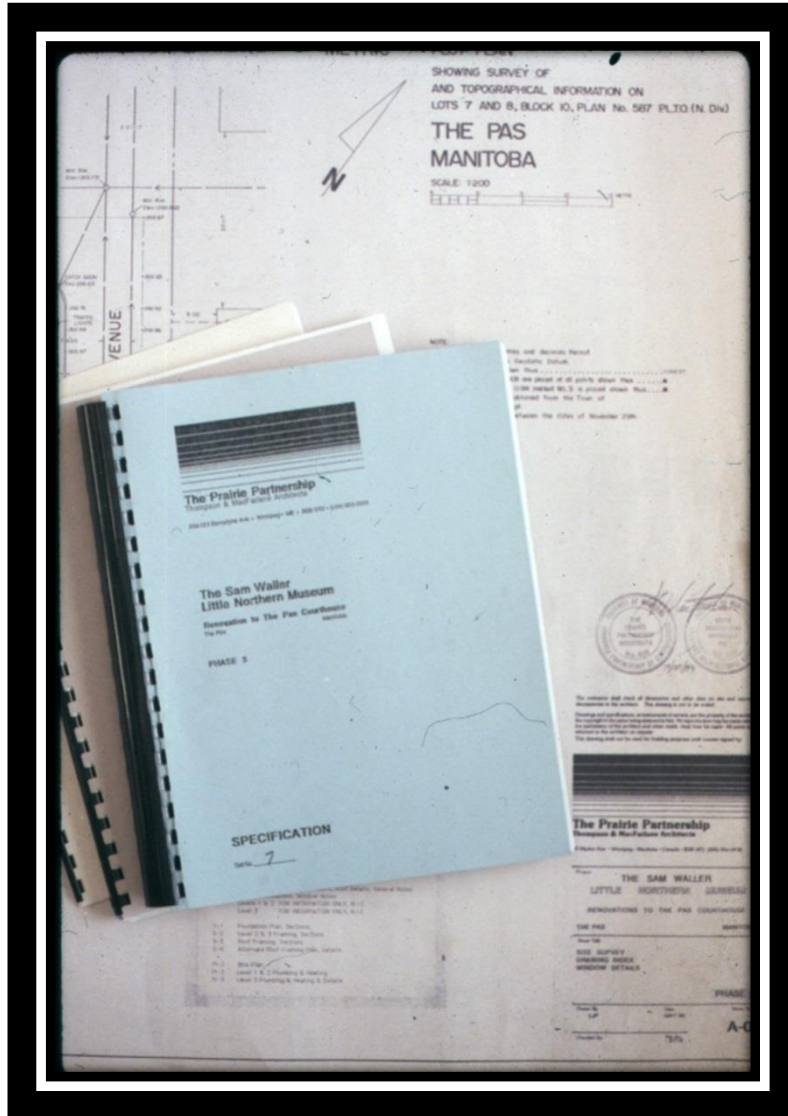
Museum Vapour Pressure Under Winter Conditions (on left):

- Low humidity outside
- Humidity added inside
- High humidity is forced powerfully into low humidity air





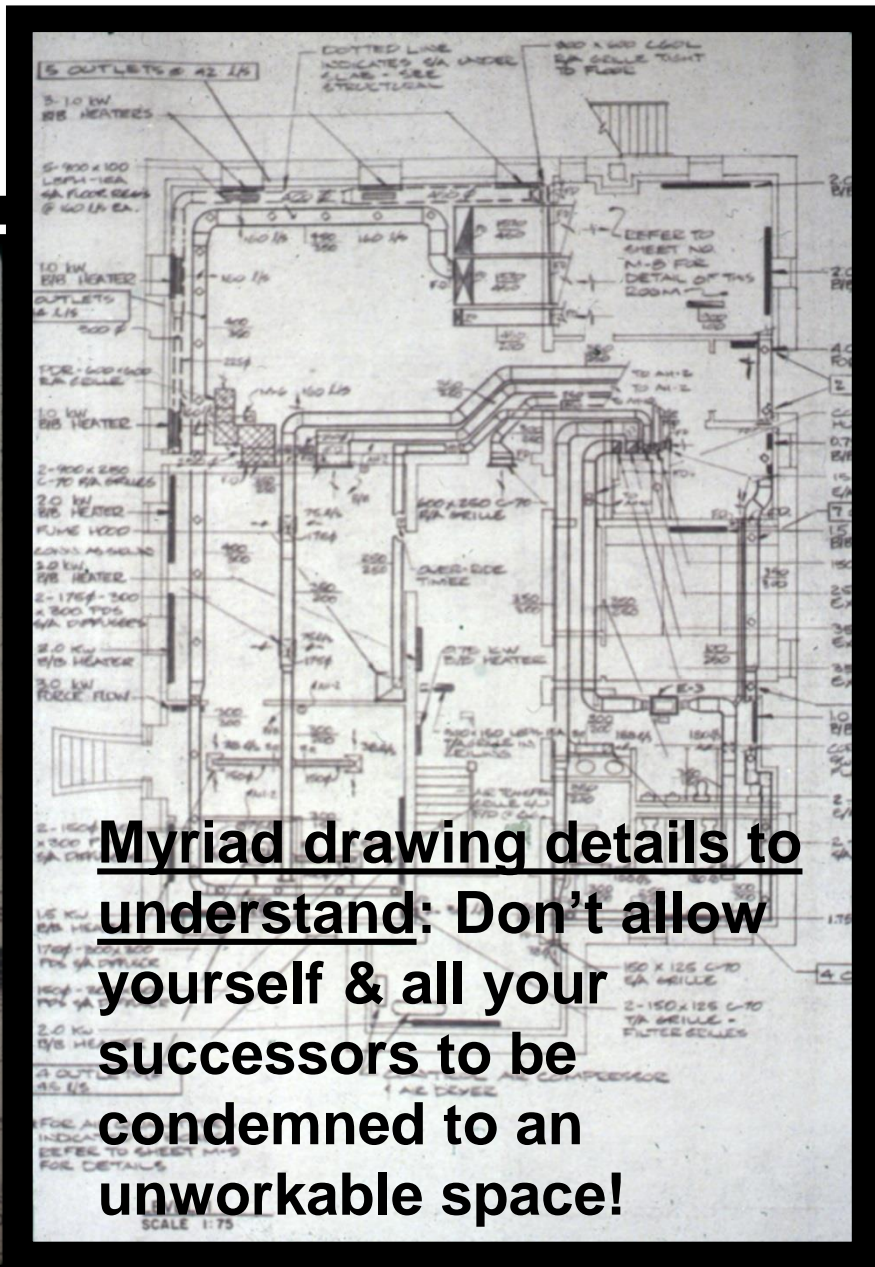
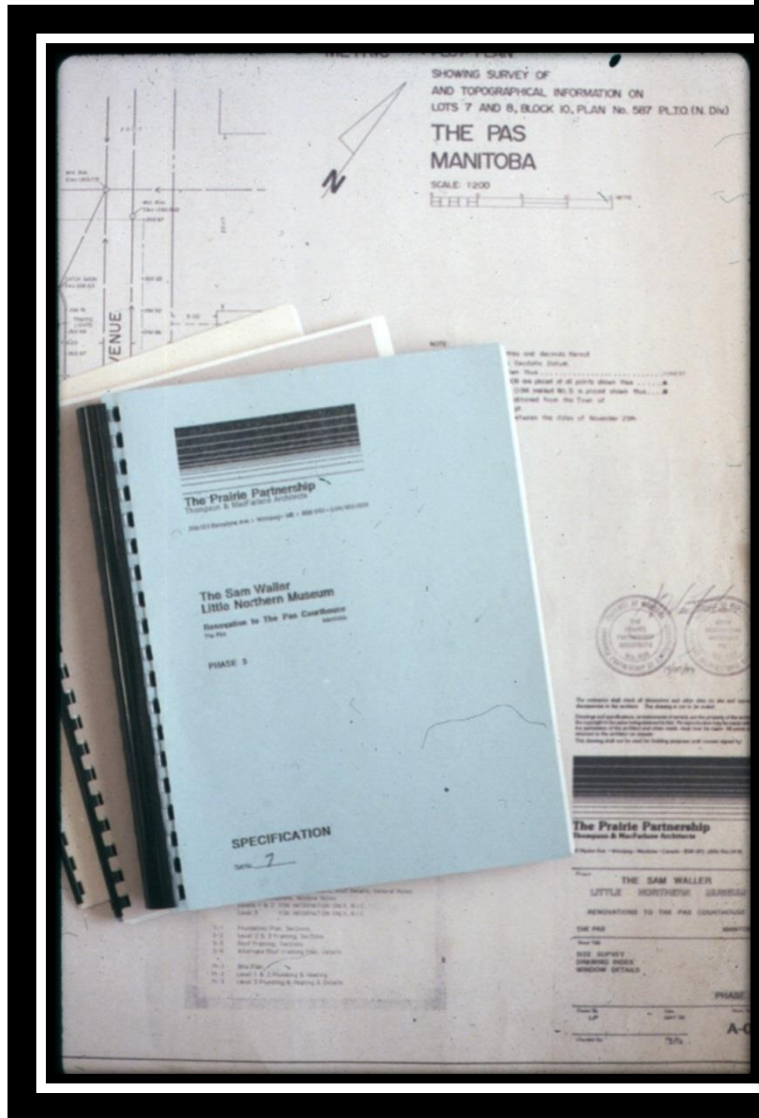
# ARCHITECTURAL PLANNING



The technical requirements in your Functional Plan now are put into the construction Specifications & Drawings to allow potential contractors to bid on the project & the successful one to build exactly what you need. You must hold the contractor's nose to these Specifications!



# ARCHITECTURAL PLANNING



**Myriad drawing details to understand: Don't allow yourself & all your successors to be condemned to an unworkable space!**

# WINDOW APPEARANCES



**Memorial Hall built 1867, Logan Museum, Beloit College, WI**



# WINDOW APPEARANCES

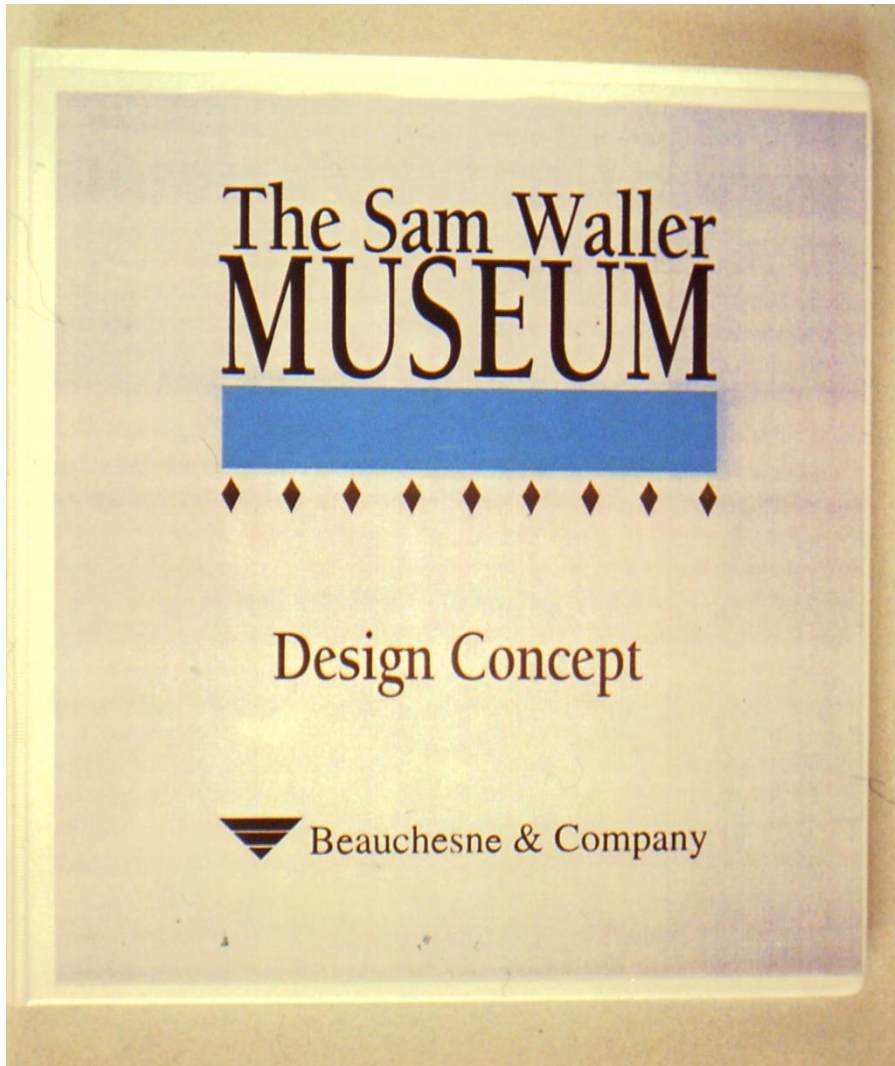




# UNANSWERED QUESTION



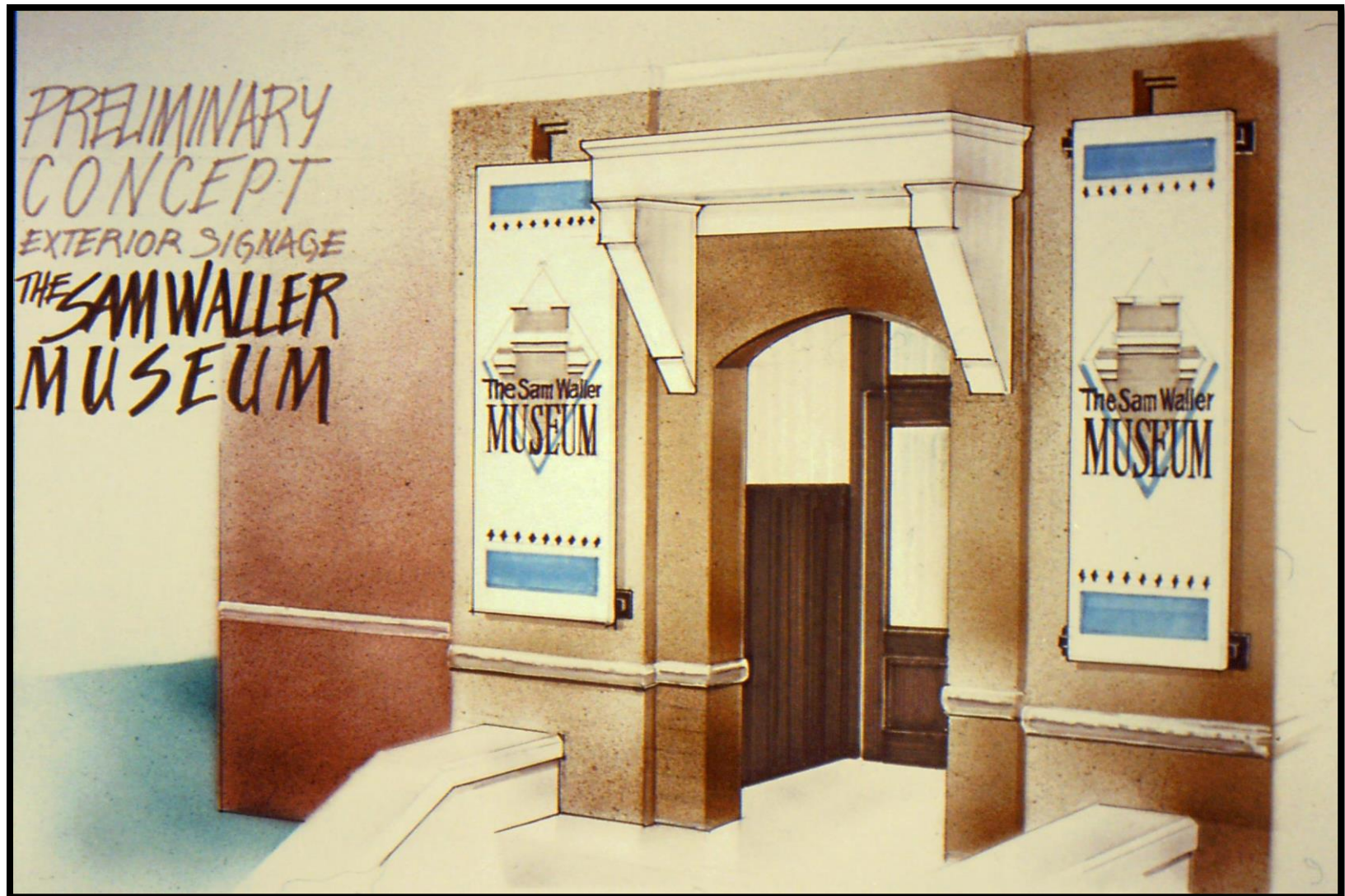
# PHASE 3 DESIGN REVIEW IS CRUCIAL



- Are key functional programme details addressed?
- Review construction drawings & specifications with architect & his/her structural, electrical, & other project engineers to catch all foreseeable problems with implementation of the museum's professional museum facility requirements.
- Museum staff need to be sure to avoid overlooking any critical details in the plans as happened in The Sam Waller Museum project above.
- A significant amount of project funds were wasted due to one 'small dental'.



# DESIGN REVIEW



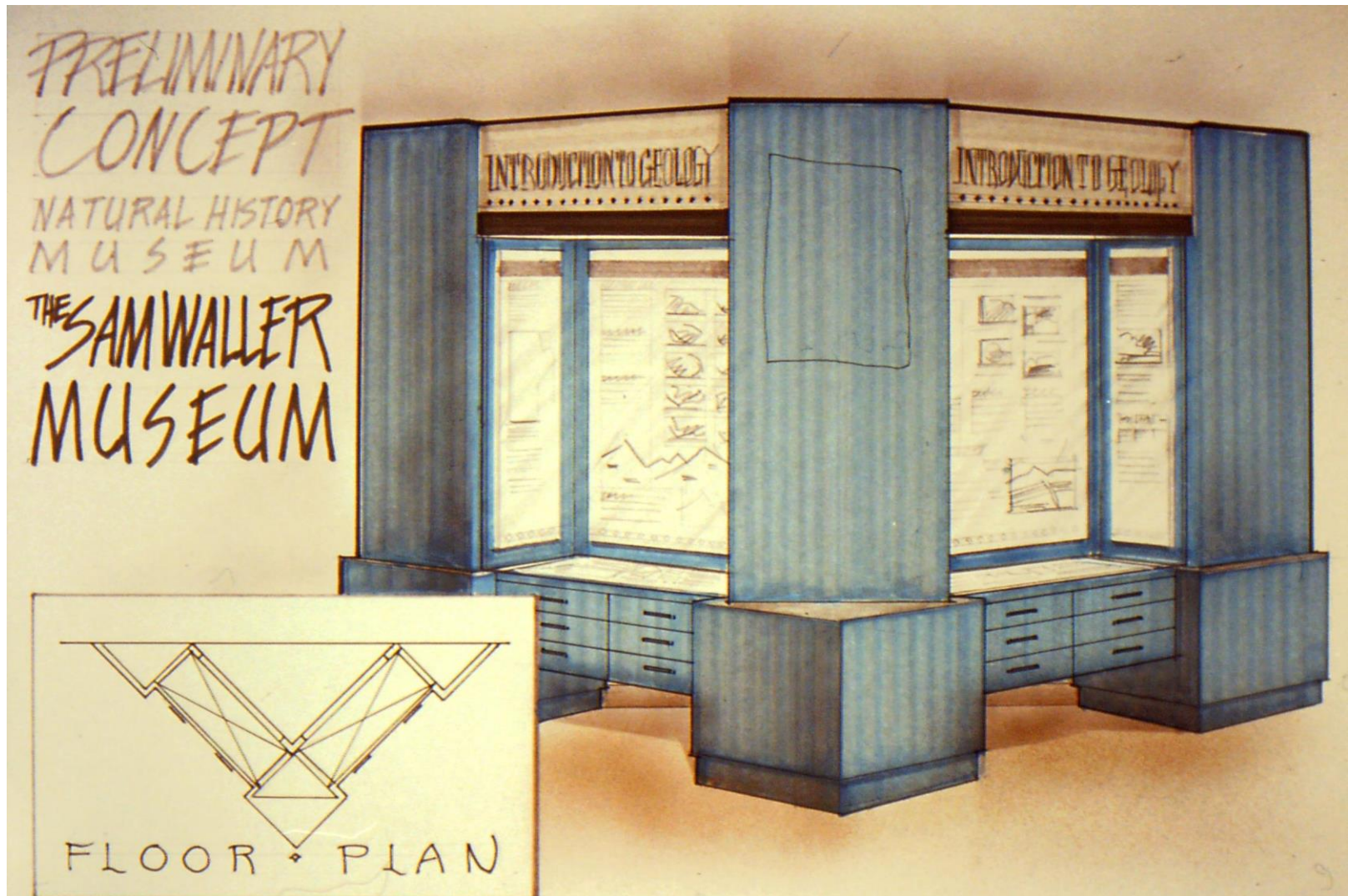


# FAÇADE VALUE PROTECTION SOLUTION

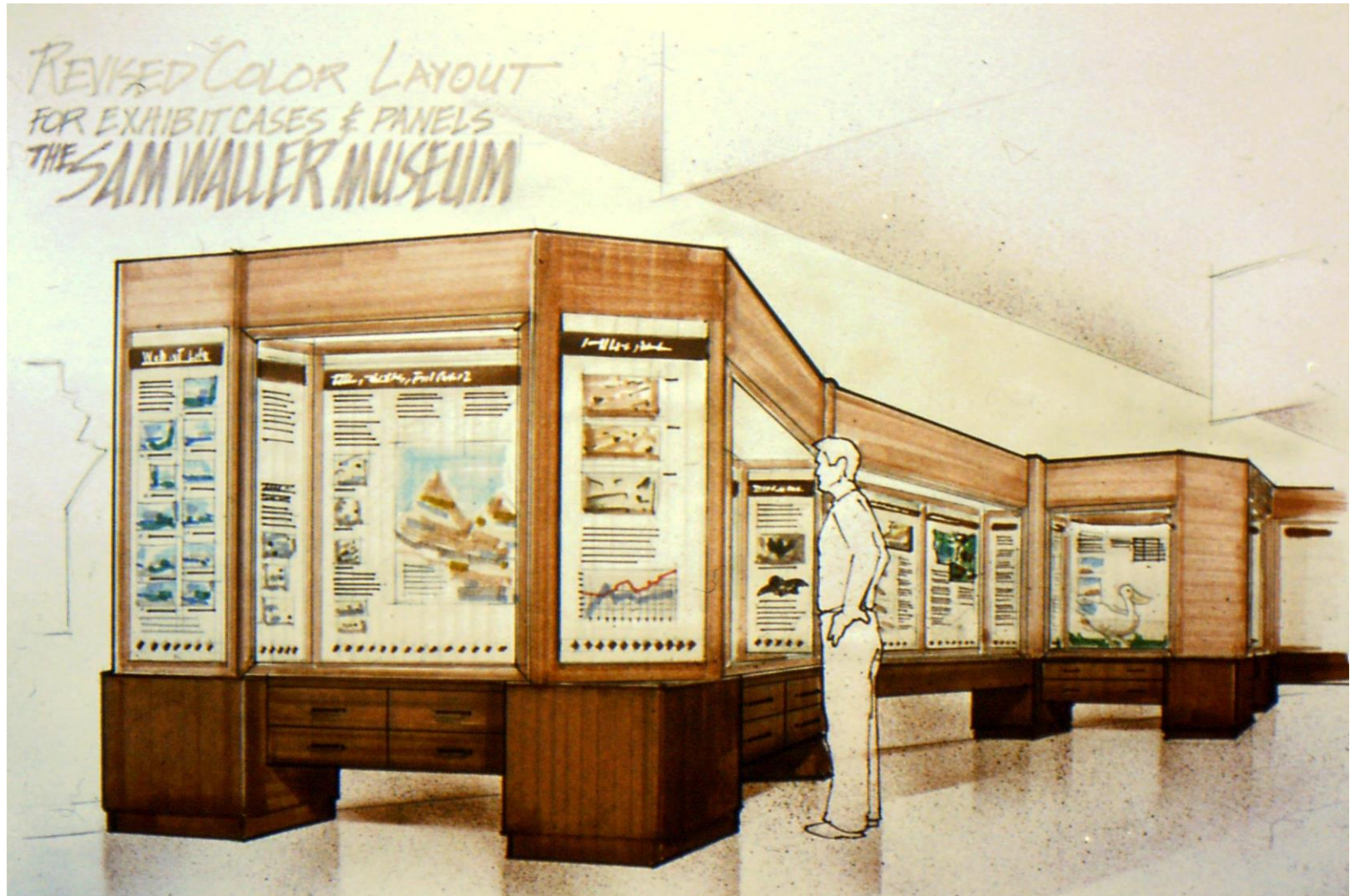




# INTERIOR EXHIBIT DESIGN REVIEW

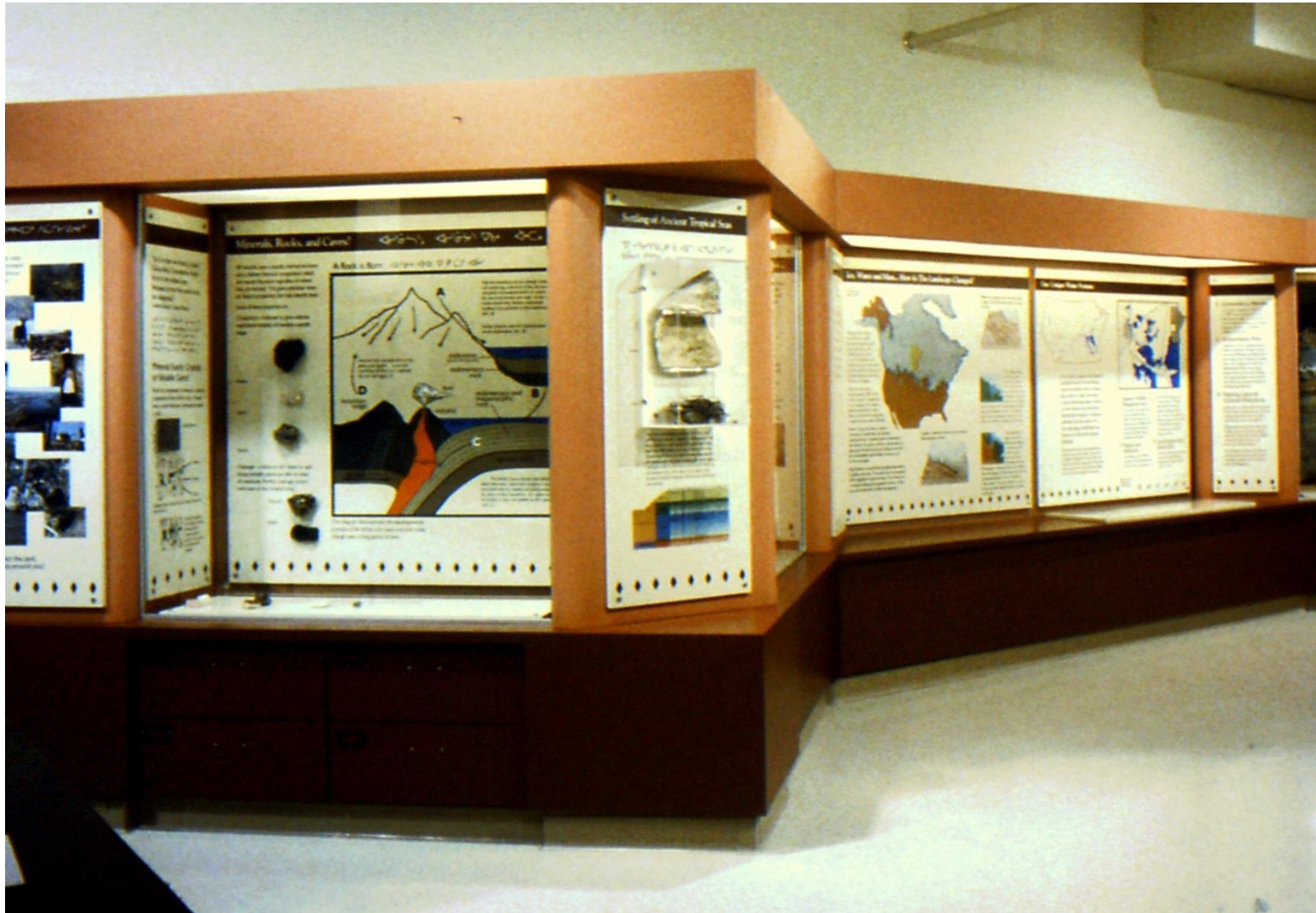


# DESIGN CORRECTION

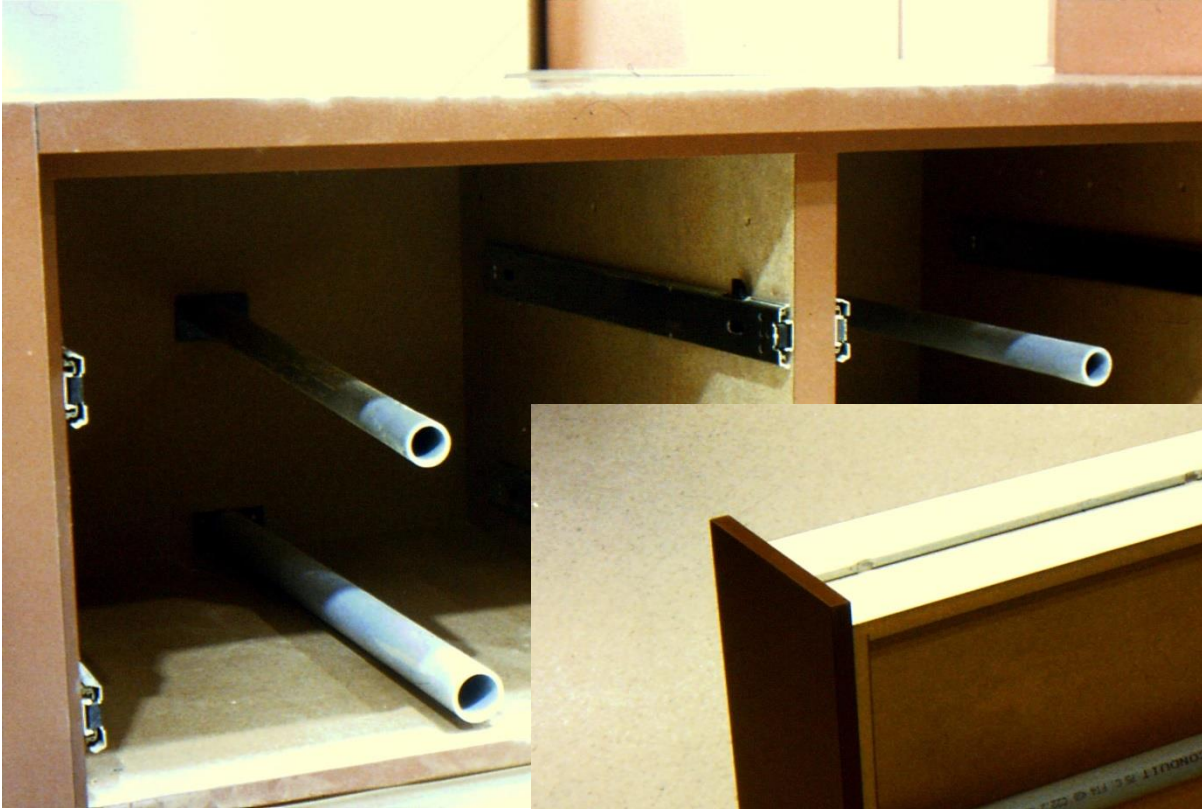




# DESIGN AS BUILT



# VISIBLE STORAGE DRAWER INNOVATION





# VISIBLE STORAGE DRAWER INNOVATION

***Critical Museology Miscellanea* blog Search Results**

**<https://miscellaneousmuseology.wordpress.com/?s=%22visible+storage%22> (accessed 7 August 2023).**

**Thistle, Paul C. 1987. “Research Report: Visible Storage for the small Museum.” The Pas, MB: The Sam Waller Little Northern Museum at <https://miscellaneousmuseology.files.wordpress.com/2021/04/thistle-visible-storage-research-report-1987-cameron-ames-1988-1.pdf>**

[Analysis of the visible storage mode of museum presentation using 8 examples of its use & recommendations on how it should be improved as well as comments on this report from 2 museum directors whose museums were employing this concept.]

**Thistle, Paul C. 1990. “Visible Storage for the Small Museum.” *Curator* 33 (1): 49-62 provides a clean copy of the full article at <https://miscellaneousmuseology.files.wordpress.com/2021/05/thistle-visible-storage-curator-1990-cover-offprint-r2.pdf> (accessed 25 May 2021).**

[This piece also was reprinted in *Care of Collections. Leicester Readers in Museum Studies.* (London & New York: Routledge, 1994), pp. 187-196 with editorial comment “essential reading for anyone considering the visible storage option.”].

# VISIBLE STORAGE DRAWER INNOVATION

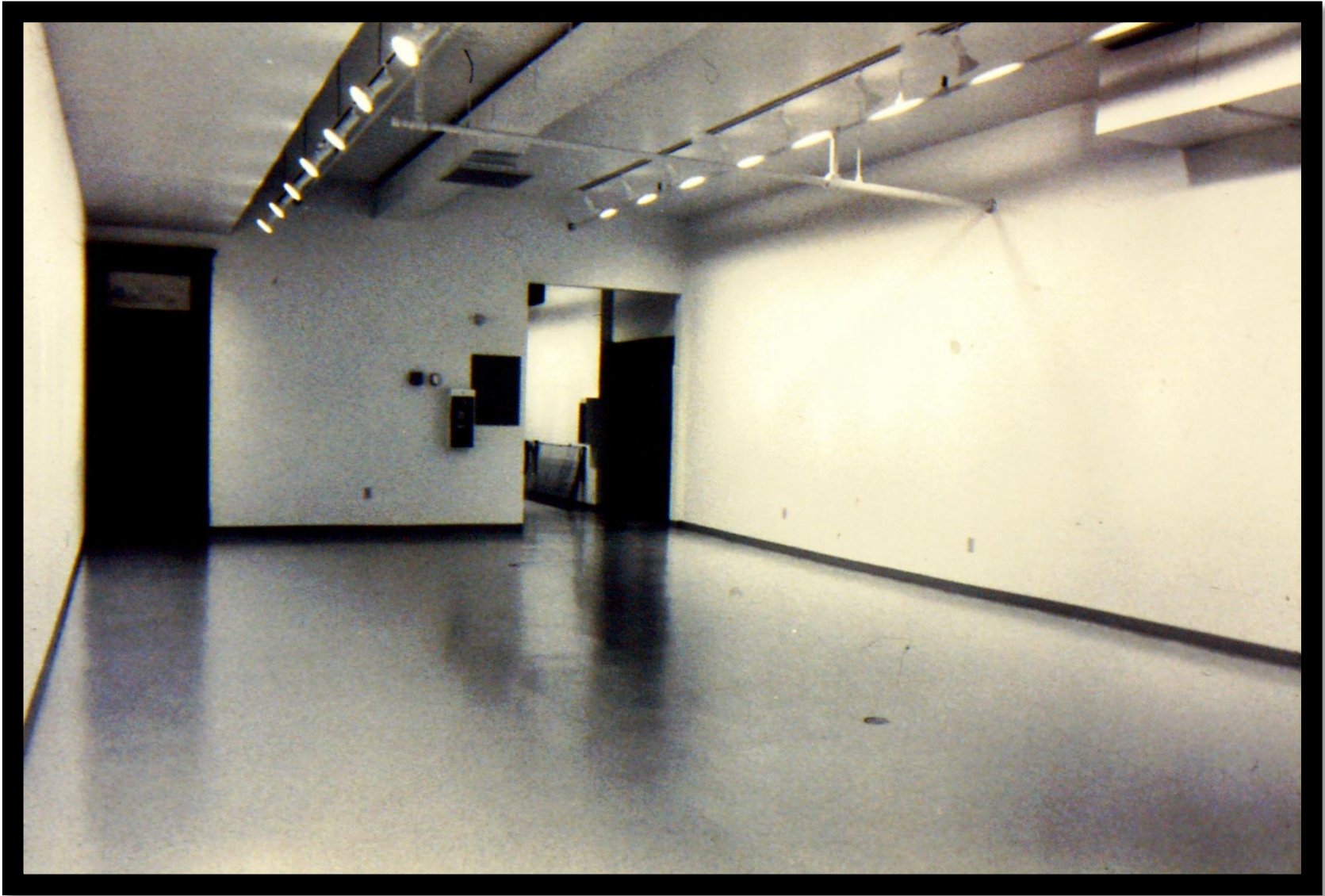
Thistle, Paul C. 1997 [reprint of *Curator* article above] In Simon Knell ed. *Care of Collections. Leicester Readers in Museum Studies* (London & New York: Routledge, 1994 & 1997), pp. 187-196 [with editorial comment “essential reading for anyone considering the visible storage option.” [begins at page 207] <https://books.google.ca/books?id=7q2IAgAAQBAJ&pg=PA207&lpg=PA207&dq=Paul+C.+Thistle&source=bl&ots=34N9LCLhiR&sig=dCIT7-tyFIEm25V13YtligTB7LE&hl=en&sa=X&ei=9TUtVaXEDI62yQSCwYCYDw&ved=0CC4Q6AEwBTgK#v=onepage&q=Paul%20C.%20Thistle&f=false> ; first page abstract at <http://onlinelibrary.wiley.com/doi/10.1111/j.2151-6952.1990.tb00977.x/abstract> .

Thistle , Paul C. 2003. “Too Much of a Good Thing?: Critical Reflection on Visible Storage” 35 mm slides for the Logan Museum of Anthropology Logan Lunch & Lecture, Beloit College, WI, 19 June [Slides with many later additions are seen in my blog post below. ]

Thistle, Paul C. 2021. "Visible Storage Report Updated with 180+ Images." *Critical Museology Miscellanea* blog posted May 11, 2021 at <https://miscellaneousmuseology.wordpress.com/2021/05/11/visible-storage-report-updated-with-180-images/> [analysis of the visible storage mode of museum presentation & recommendations of improvements].



# **BUILDING RENOVATION FINISHED!**



# **BUILDING RENOVATION UNDERMINED!**

**DREAM!**

**Dream not realised due to Paul's failure to confirm one "little" detail. Functional Plan's floor loadings for mobile storage units were not built!**





# **N.B. INSPECT FOR “DEFICIENCIES”**



**OCCUPYING  
RENOVATED  
BUILDING**

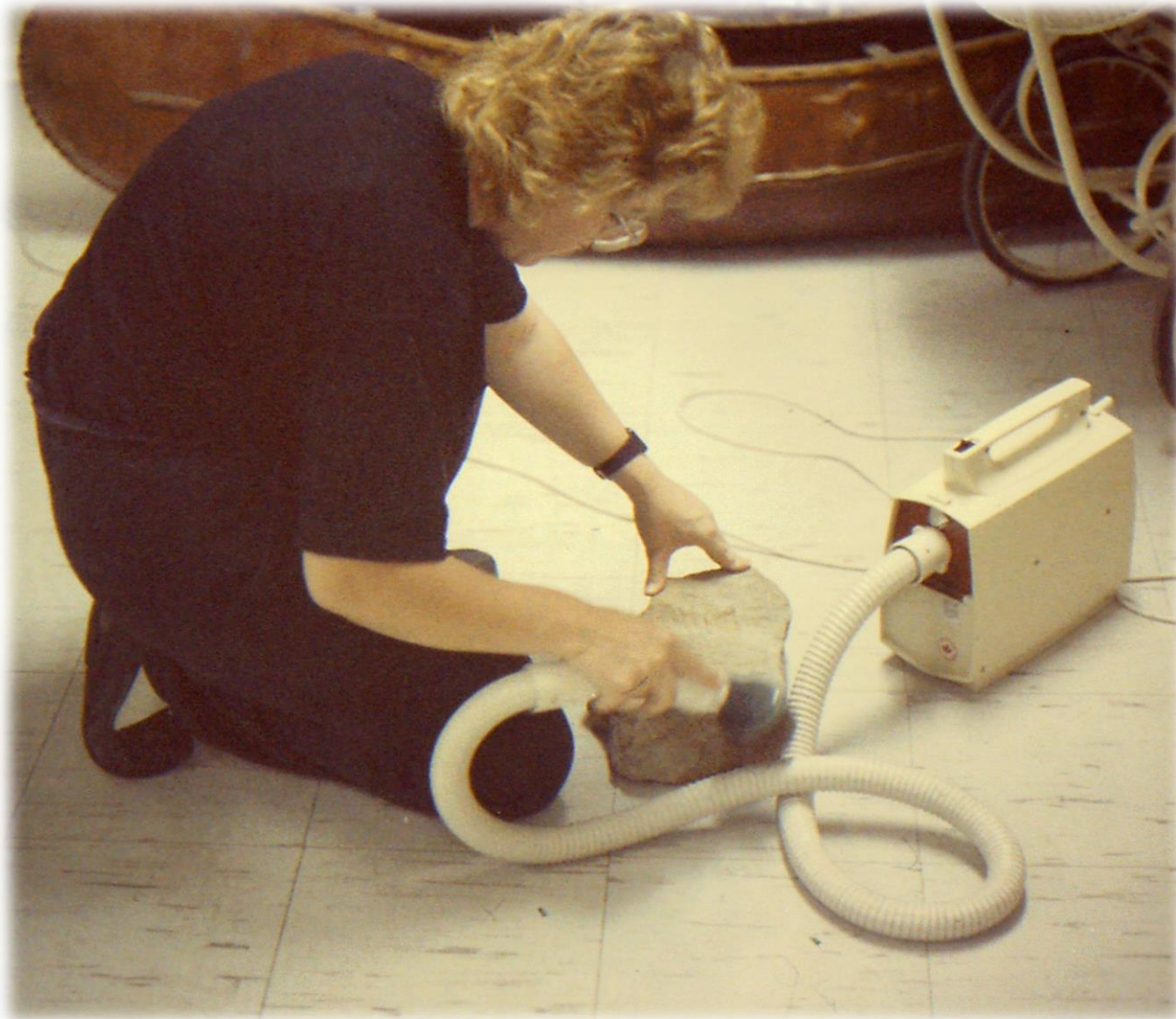


# PREPARING MUSEUM MOVE



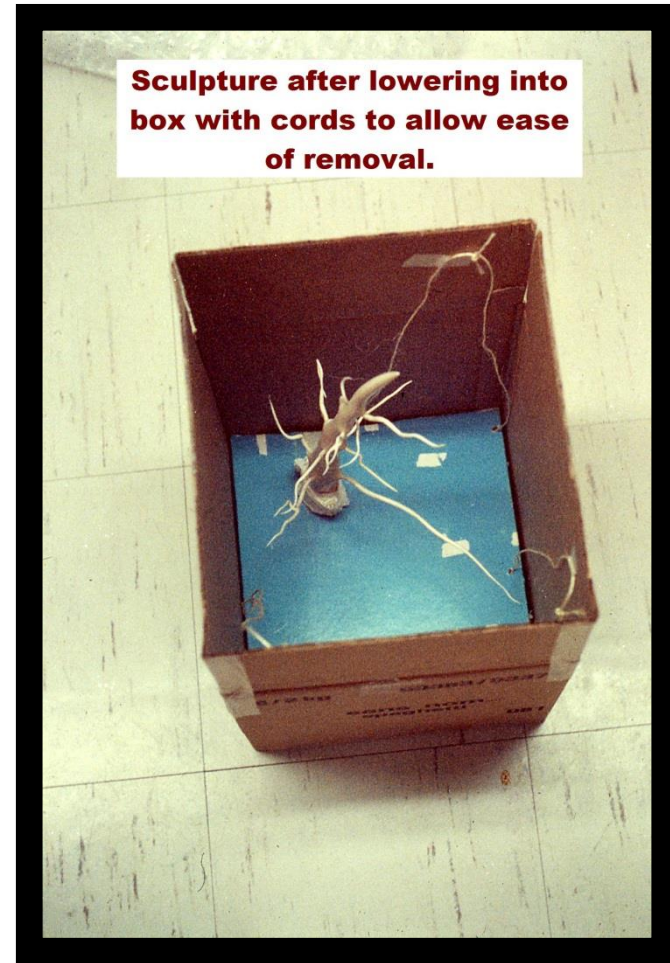
**Box lists created during packing maintained intellectual control over every object throughout the move.**

# PREPARING MUSEUM MOVE





# PACKING ON A BUDGET



# REHOUSING ENCLOSURES





# EQUIPPING 'UNDER-ENGINEERED' STORAGE



# EQUIPPING STORAGE WITH VOLUNTEERS





# MOVING THE MUSEUM COLLECTIONS



# MOVING THE MUSE





# STORAGE MOVE SORT



**Boxes each had unique number & target location code to maintain intellectual control through box packing lists.**

# STORAGE *SANS* STRUCTURAL STEEL DETAIL



Without mobile storage units,  
nearly full after unpacking.





# CONSOLIDATE COLLECTIONS



# EXHIBIT DEVELOPMENT



Founder Sam Waller's background.



# EXHIBIT DEVELOPMENT



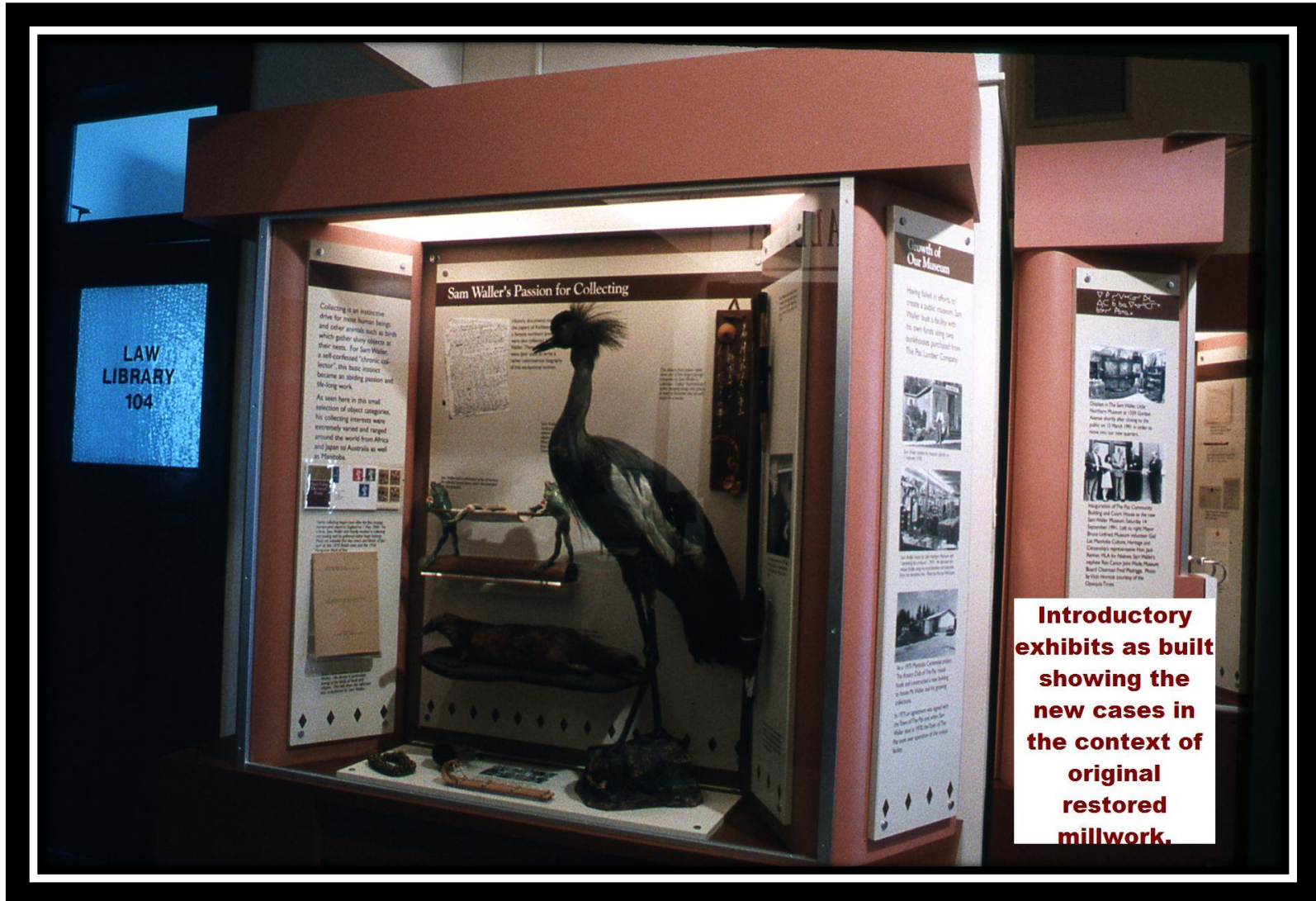
# EXHIBIT DEVELOPMENT



New exhibits on Mr. Waller installed



# PHASE 1 EXHIBIT AS BUILT



# DOORLITE FIX





# PHASE 4 EXHIBIT DEVELOPMENT



# TEMPORARY EXHIBIT SPACE



**Small office walls removed. Photo taken from middle of former County Court Clerk's Office shown earlier.**



# TEMPORARY EXHIBIT SPACE



# TEMPORARY EXHIBIT SPACE





# INTERPRET HOW TO LEARN FROM OBJECTS

**← Directions To Exhibits**

**The Sam Weller Museum Level 2**



**How Do We Learn By Looking At Objects?**

Many objects show information directly. You can count the annual growth rings on this tree trunk to tell how old it is. Reading the information contained in objects humans have made is sometimes more difficult.



Objects made by humans can carry many types of messages. Even human values are shown by the objects we use every day. What different human values are shown by these two cups? Have our values and attitudes toward single use "disposable" cups changed?



SAAN Stores Ltd is the largest corporate donor to our Museum's capital project.

**Learn By Looking At Objects**

steps ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦

1 2 3 4

**What You Will See**

We start by looking back 400 million years to the time when the landforms in The Pas area were developing. Bedrocks, glaciation and wildlife in the region are examined. The natural history exhibits have been developed by Susan MacCharles, Assistant Curator.

The next section of exhibits shows the human history of The Pas from a time beginning 8,000 years ago with evidence of the presence of First Nations peoples and later non-Native habitation. The human history exhibits have been developed by Paul C. Thistle, Curator.

Our exhibits begin on your left in the former court room. Lighting for the Weller Gallery has been funded by the Kinsmen Club of The Pas and some of the exhibit cases have been funded by the Order of the Royal Purple.

Try these steps as you look at the artifacts in our exhibits to help you learn more from your visit to our Museum.

**How Do We Learn By Looking At Objects?**

Your study of historical objects can also reveal information which may not be written down. What can you tell about this object by looking carefully at its roof, its wear patterns, its maker's marks, and at other objects?



Full and careful study of our artifacts will involve the following four steps: observation, comparison, written comparison and conclusions. Many different questions can be asked about artifacts in each step in each of the following five categories: material, construction, function, history and value.



**CONSIDERATIONS IN ADAPTIVE RE-USE PROJECTS**

**COMPROMISES**



# **SIDE ENTRANCE AT TAKEOVER, 1987**

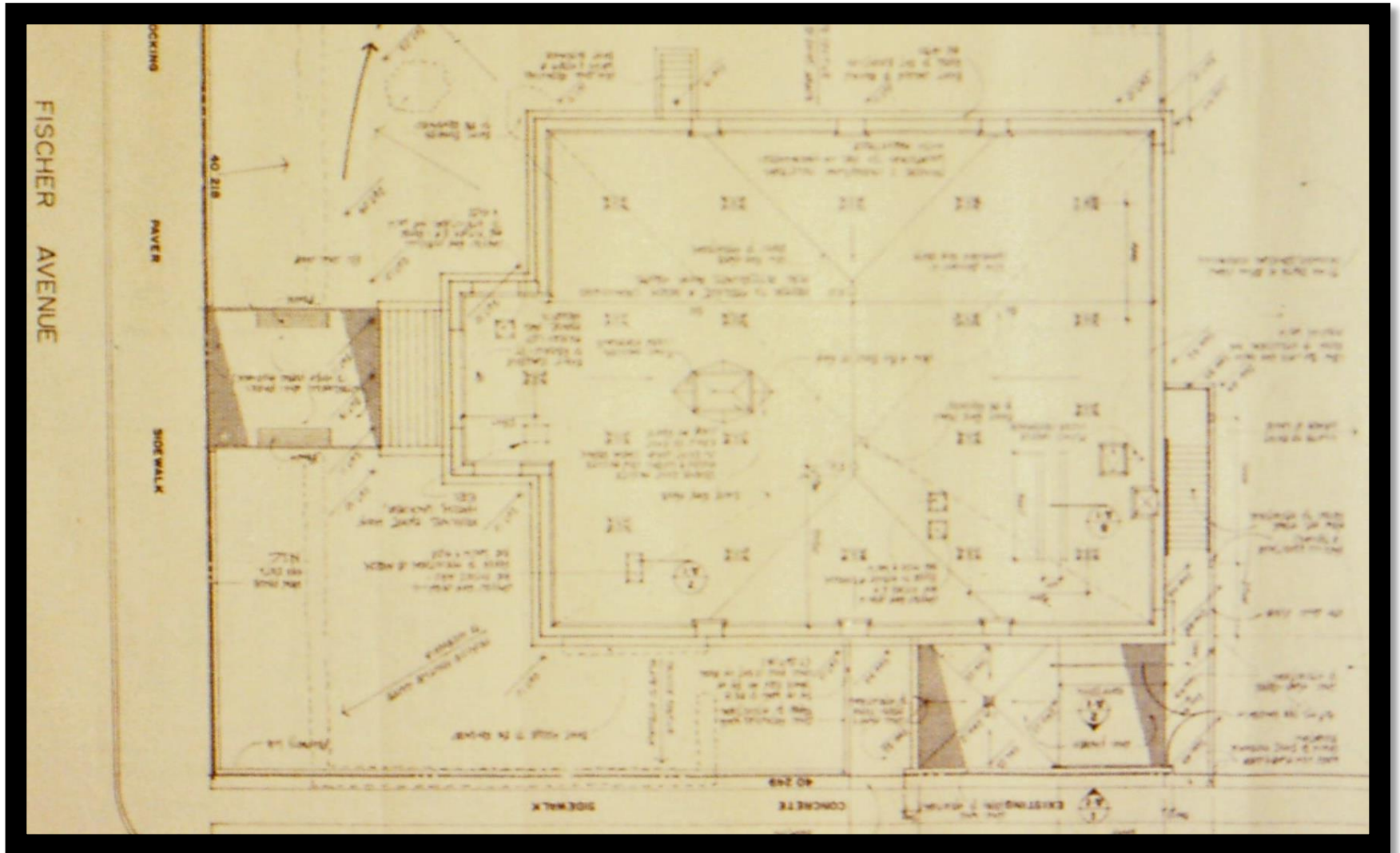


# SIDE ENTRANCE DEMOLITION





# SIDE ENTRANCE HANDICAPPED RAMP



# DELIBERATE DESTRUCTION OF ORIGINAL HERITAGE FEATURES

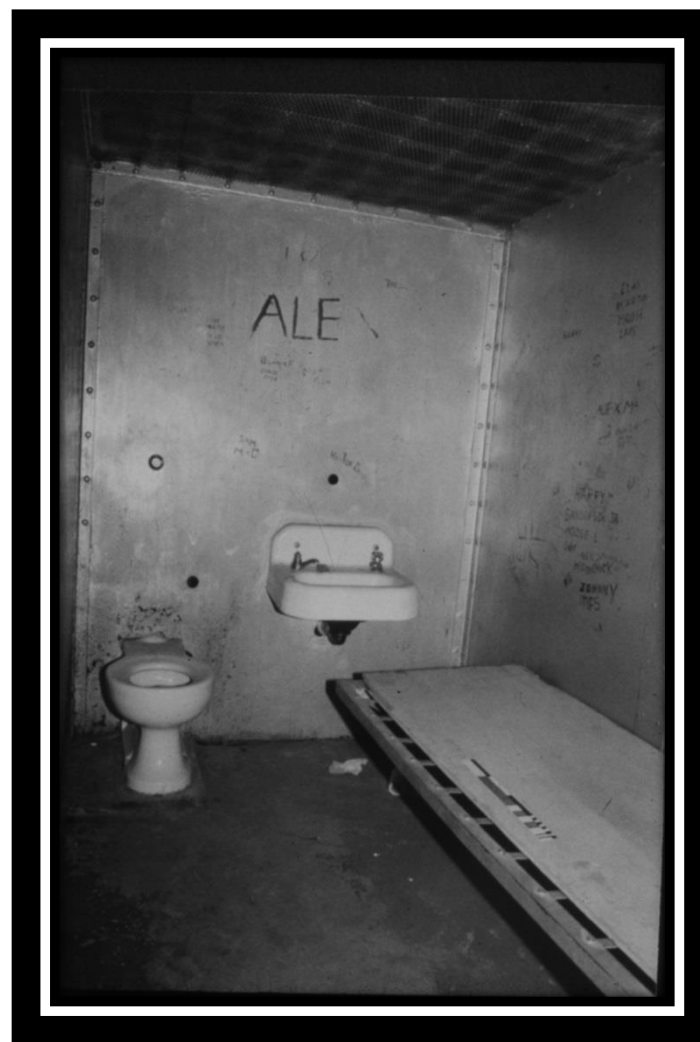




# PROGRAMMING SPACE?



Remember the male cells?



Female cells kept for exhibit purposes.

# PROGRAMMING SPACE



**Former male cell block now functional programming space**



# KEY SUPERVISORY CAUTION



**One cold night, water cascaded down the front steps! Some insulation had been neglected. Sprinkler pipe froze & burst. Daily on-site supervision of construction by owner is crucial!**

# KEY PROJECT PLANNING RESOURCES

Herskovitz, Robert *et al.* 2012. ***Building Museums: A Handbook for Small & Midsize Museums***. St. Paul: Minnesota Historical Society Press  
**[PLEASE, don't carry out ANY museum building project without studying this important resolutely practical resource first!** Preview at [https://www.google.ca/books/edition/Building\\_Museums/BDKsM6pCjOYC?hl=en&gbpv=1&printsec=frontcover](https://www.google.ca/books/edition/Building_Museums/BDKsM6pCjOYC?hl=en&gbpv=1&printsec=frontcover) ].

See Thistle, Paul C. 2016. “**Book Reviews: *Building Museums: A Handbook for Small & Midsize Museums* by Robert Herskovitz *et al.*”** *Material Culture: The Journal of the Pioneer America Society* 48(1): 79-81 [substantial excerpt found at <https://www.questia.com/library/journal/1P3-4000556711/building-museums-a-handbook-for-small-and-midsize> & full text as approved by journal editors prior to publication at <https://miscellaneousmuseology.files.wordpress.com/2018/02/building-museums-recommendations-for-second-edition-by-thistle.pdf> ].

**N.B. SEE Paul C. Thistle's additional 10 pp. 2013 submission to the publisher “Building Museums Recommendations for Second Edition”** at <https://miscellaneousmuseology.files.wordpress.com/2018/02/building-museums-recommendations-for-second-edition-by-thistle.pdf>.



# PROJECT PLANNING RESOURCES

Thistle, Paul C. 2017. “Adaptive Re-Use Project to House The Sam Waller Museum, 1984 – 1991.” Narrated PowerPoint presentation with significant details on a very complex \$1.7 million capital project to successfully renovate a provincially designated historic site to create a professional museum standard facility. To view this large file with narrated PowerPoint, click Enable Editing / Slide Show / OK graphics card warning / From Beginning [local history slides 2-29 can be skipped] at <https://miscellaneousmuseology.files.wordpress.com/2017/12/adaptive-re-use-project-for-the-sam-waller-museum-narration-2.pptx>

Thistle, Paul C. 2015. “Bordering on Folly: Adaptive Re-Use of a Heritage Structure to House The Sam Waller Museum (or Murphy’s Law Run Amok)” presented at the Ontario Museum Association Annual Conference Redefining Borders, Windsor, ON, 6 November 2015 [abstract & author biography are available] at <https://members.museumsontario.ca/programs-events/conference/Conference2015/Heritage-Buildings-Adaptive-Reuse> .

Thistle, Paul C. [1986 12 Waller Museum Redevelopment Value](#) *Little Northern Museum Scene* No. 16, Dec. 1986 [Museum values & support issues; Waller Museum adaptive re-use values. Delays in the project gave cause for outlining its important values for the institution & the community.]

# FINAL CAUTION (from Paul's suggestions to publisher)

Green URL below now replaced by

Page 10 of 10

<https://solvetasksaturation.files.wordpress.com/2021/03/fullyloadedcamelspositionpaper4.pdf> (<http://groups.yahoo.com/group/museumworker/> accessed 1 May 2013), *Building*

*Museums* makes no mention of the impact of a design and build project on the well-being of museum board, staff, and volunteers. The onerous tasks of preparing to construct new museum spaces, raising sufficient funds, supervising the project, & the extremely strong pressures to open the finished product as soon as possible are characterised by extremely high stakes. These overbearing pressures & additional work take a *very* heavy toll on everyone involved in a museum construction project. It is crucial, therefore, that rest and recovery also are part of the planning for a capital project. Otherwise, museum workers (who already are fully loaded camels before a capital project is even contemplated) are

## Chronic Stress Syndrome

Healthy stress allows Rest & Recovery; harmful stress does not.



(from Dr. David Posen's 2013 book *Is Work Killing You?*)



# FINAL CAUTION

The Sam Waller Museum founder did some taxidermy & had a sense of humour.

Heavy demands of an adaptive re-use project puts museum staff & volunteers at risk of harm to their physical, mental, family, social, & spiritual health.

Scheduling rest & recovery for all concerned is an absolute necessity!

See analysis & help in *Solving Task Saturation for Museum Workers* blog [first Google hit] <https://solvetasksaturation.wordpress.com/>

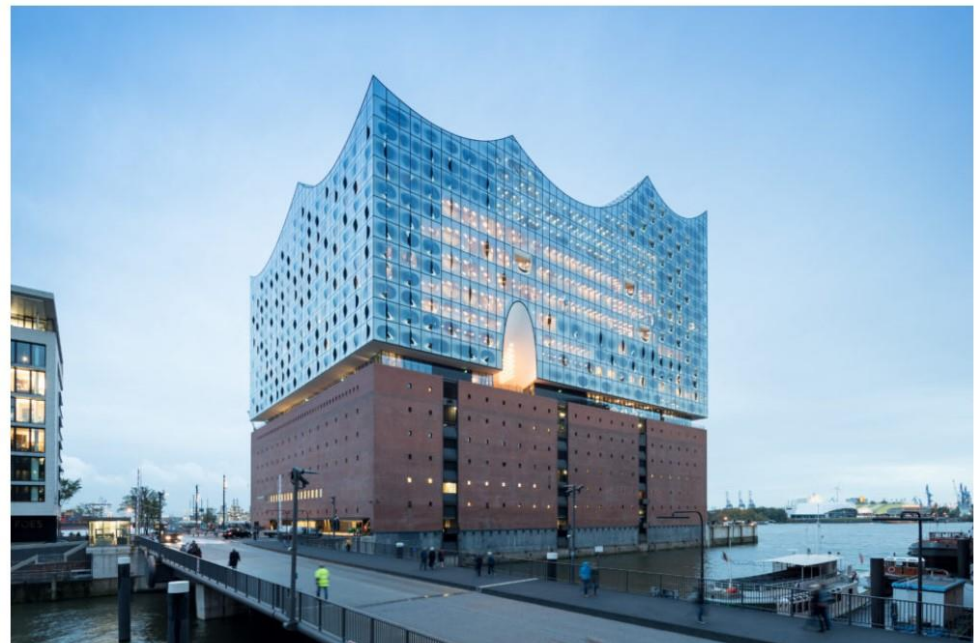


# **BAD ADAPTIVE RE-USE EXAMPLES!**

Rethinking the Future. n.d. “10 Most Creative Adaptive Reuse Projects” [author of this podcast judges most as absolutely atrocious examples of inappropriate & totally incompatible modern insertions cut into the heritage buildings historic fabric as seen] at <https://www.rethinkingthefuture.com/architects-lounge/a318-10-most-creative-adaptive-reuse-projects/>. This is architectural **DESIGN RUN AMOK!**



Convent de Sant Francesc in Spain by David Closes © Jordi Surroca



Elbphilharmonie in Germany by Herzog & de Meuron © Iwan Baan



# OTHER ADDITIONAL RESOURCES

PDF of this PPT: ???

Urban Design. 2023. "What are the benefits and challenges of adaptive reuse of heritage buildings?" *LinkedIn* [**NOTE: "Powered by AI"**] at <https://www.linkedin.com/advice/0/what-benefits-challenges-adaptive-reuse-heritage-buildings> .

Gravagnuolo, A., Micheletti, S., & Bosone, M. A. 2021. 'Participatory Approach for "Circular" Adaptive Reuse of Cultural Heritage. Building a Heritage Community in Salerno, Italy.' *Sustainability* 4812 at <https://doi.org/10.3390/su13094812> .

Mısırlısoy, Damla & Günçe, Kağan. 2016. "Adaptive reuse strategies for heritage buildings: A holistic approach." *Sustainable Cities and Society* Vol. 26, Oct. 2016, pp. 91-98 at <https://www.sciencedirect.com/science/article/abs/pii/S2210670716301044?via%3Dihub#preview-section-abstract> .

Bullen, Peter A. & Love, Peter E.D. 2011 "Adaptive reuse of heritage buildings." *Structural Survey* Vol. 29 Iss. 5 pp. 411 – 421 <http://dx.doi.org/10.1108/02630801111182439> .