



**U.S. CONN LIBRARY
RENOVATION PROJECT
PROGRAM STATEMENT**

May 30, 2012

JACKSON-JACKSON & ASSOCIATES, INC

1905 N. 81st Street ♦ Omaha, Nebraska 68114 ♦ 402.391.3999 ♦ Fax 402.391.3583
Web: www.jackson-jacksonassociates.com ♦ Email: jackson-jackson@jjaarchitects.com

I. Introduction	
A. Background and History.....	1
B. Project Description	2
C. Purpose and Objective.....	2
D. Programming Team	4
II. Justification of the Project	
A. Data which supports the funding request	6
B. Alternatives considered	8
III. Location and Site Considerations	
A. Location (County, Town, Campus).....	10
B. Proposed Site and Utilities.....	11
C. State Building Inventory	12
D. Influence of Project on existing Site Conditions	12
1. Relationship to Neighbors and Environment	
2. Parking and Circulation	
IV. Comprehensive Plan Compliance	
A. Year of Agency’s Comprehensive Plan and updates or revisions	15
B. Consistency with the Agency’s Comprehensive Capital Facilities Plan	15
C. Consistency with the Statewide Comprehensive Capital Facilities Plan or CCPE Project Review Criteria/Statewide Plan	15
V. Analysis of Existing Facilities	
A. Functions/Purpose of the existing Program	16
B. Square Footage of existing areas.....	19
C. Utilization of existing space by facility, room and/or function.....	33
D. Physical Deficiencies	34
E. Programmatic Issues.....	35
F. Replacement cost of existing Building	36
VI. Facility Requirements and Impact of the Proposed Project	
A. Function/purpose of the proposed Program.....	37
1. Activity Identification and Analysis	
2. Projected Occupancy/Use Level	
a. Personnel Projections	
b. Projected Enrollment/Occupancy	
B. Space Requirements	38
1. Square footage by individual areas and /or function	
2. Basis for square footage/planning parameters	
3. Square footage difference between existing and proposed areas	

C. Impact of the proposed Project on existing space	47
1. Reutilization of Spaces	
2. Demolition	
3. Renovation	
VII. Equipment Requirements	
A. List of available Equipment for reuse	50
B. Additional Equipment (Fixed, movable special/technical)	58
VIII. Special Design Considerations	
A. Construction Type.....	59
B. Heating and Cooling Systems.....	59
C. Life Safety/ADA	61
D. Historic or Architectural Significance.....	62
E. Artwork	62
F. Phasing.....	62
G. Future Expansion	64
H. Electrical.....	64
I. Sustainable Design/Energy Conservation	65
J. Structural	66
K. Asbestos Removal.....	67
IX. Project Budget and Fiscal Impact	
A. Cost Estimates Criteria.....	68
1. Year/Month of estimates and inflation factors used	
2. Gross and net square feet	
3. Total Project Cost per gross square foot	
4. Construction Cost per gross square foot	
B. Total Project Cost and Detailed Project Cost.....	68
C. Fiscal Impact based upon first full year of Operation.....	70
1. Estimated additional operational and maintenance costs per year	
2. Estimated additional programmatic costs per year	
3. Applicable building renewal assessment charges	
X. Funding	
A. Total Funds Required.....	73
B. Project Funding Sources and amounts/percentage each.....	73
C. Fiscal year expenditures for project duration.....	73
XI. Timeline	74

XII. Higher Education Supplement

A. CCPE Review 75
B. Method of Contracting and Rationale 75

XIII. Appendices

A. Existing Floor Plans 76
B. Programmatic Floor Plans..... 79
C. Proposed Phasing Floor Plans 82

I. Introduction

I.A. Background and History

The original US Conn Library, currently the north wing of the building, was completed in 1956 on the site of what had been the president's house, which was demolished to begin construction of the new library in 1954. The 40,880 square foot Library was named in honor of U.S. Conn, president of the college from 1910-1935. The federalist style main entry of the original building was on the south side and was framed with two story columns. In 1969 planning began for a much needed Library building expansion. The 27,988 square foot addition was built on the south side of the original building and a new main entry occupied the south east corner of the new addition. The addition provided room for the reference collection on the main level, stacks on the second floor and a curriculum lab in the lower level. In June of 1970 Wayne State College was selected as a federal depository for government documents, which initially operated independently of the library, but was located in the basement of the new addition. The main level of the library welcomed Jitters Coffee Shop in 2006 and Nordstrand Art Gallery in 2010. Fundamentally it is the same building that existed in 1970. Even much of the furniture dates from 1970 or earlier.¹

Since the addition of electric typewriters in typing labs, Xerox copy machines, Information Retrieval Centers, and ID Cards to the library in 1971, the college has continually embraced opportunities to implement new technology with the intention of improving library services and fostering academic success. In 1991, the library implemented a state-of-the-art computerized catalog and circulation system called CONNconnections. Today the library has free printing stations on the main level, two computer labs on second floor, a video conference room in the lower level, and is home to the college's Technology Resource Center. With the fast paced changing technology of today, the library as the heart of campus and student learning is seeking new ways to not only keep pace but also to innovate technologically so as to better support faculty and student success across campus.

When the library addition opened in the fall of 1970, books were being added to the library at a rate of approximately 4000-5000 per year. The current collection contains 265,997 print volumes. It is anticipated that the periodicals collection will decrease and the government documents collection will be completely converted to digital on-line documents in the next five to ten years. The library's programmatic role as a transactional service provider has greatly changed over the years into a center for academic collaboration. The physical environment needs to change with the evolving role, and provide more purposefully designed areas for student, staff and faculty collaboration and learning utilizing various new approaches.

The building is in need of basic building code, ADA, mechanical and electrical system upgrades. Every student has multiple electronic devices integral to learning that need constant recharging, and the dated facilities cannot begin to keep up with the demands of this quickly changing electronic age.

¹ A history of the U.S. Conn Library is available at http://academic.wsc.edu/conn_library/about/history/ (18 February 2012).

I. Introduction

I.B. Project Description

The proposed project involves a complete renovation of the 68,868 gross square foot building and a new 1,470 gross square foot main entry/elevator tower addition to the US Conn Library Building. The building renovation will involve the removal of existing demising walls as required to accommodate asbestos removal and new program requirements. The existing exterior envelope will be improved to meet the current energy code including the addition of insulation, replacement of the existing windows, and sealing all penetrations of equipment and connections of the floor, wall, and roof sections to mitigate air and energy movement through the exterior envelope. Scope of work includes complete replacement of the HVAC system which will include the removal of the asbestos-formed ductwork in the 1956 building. The building will be zoned to maximize occupant comfort and energy efficiency. The entire electrical system, all plumbing fixtures and water piping will also be replaced and a dry pipe fire suppression system will be installed throughout the entire building. A dry pipe system was selected to protect the library collections, material exhibited in the art gallery, and state-of-the-art technology and irreplaceable archives.

The new 1,470 gross square foot main entry and elevator tower addition resolves many building problems including the outmoded elevator, poor wayfinding and inadequate access for deliveries. The new entry will also replace the current unsustainable high maintenance design elements, while tying together the Federalist style of the 1956 building and the Brutalist style of the 1970 addition.

I.C. Purpose and Objective

The purpose of the project is threefold; upgrade an older building which is rife with code issues, outdated building systems, energy inefficiencies, and asbestos concerns, have a greater impact on student learning, and design the library building to be a sign of learning excellence.

Renovation: While the library has been well maintained over its lifetime, and while it has accommodated enrollment growth especially between the mid-1950s and 1970, sweeping changes in technology have made the need for an upgrade and renovation urgent.

The existing building has numerous infrastructure needs which are indicated in Section II – Justification of the Project. The infrastructure needs are typical for a facility, equipment and operating systems over 40 years old.

There is also an important set of building amenities that need attention, including:

- A better functioning entrance to the building
- A second north entrance, to provide ready access to several academic buildings and future parking
- Confused and congested traffic patterns, especially on the entry floor
- Poor acoustical management
- Poor way-finding within the building
- Better access to natural light and better provision of other lighting, including task lighting
- Relief from the decidedly dated feel of existing furniture and finishes
- Space adjacency issues, including those involving the coffee shop and the reference desk.

- The library currently houses the campus network fiber distribution closet. Improved fault tolerance and the eventual goal of eliminating all single points of failure in the campus data distribution system need to be considered as part of this project.

Perhaps most important, it is essential to respond to students' need for more study space and for a rich variety of such spaces -- including private rooms, group areas, individual spaces, and various atmospheres for different types of learning.

Impact on student learning: Libraries have always been valued for their impact on student learning. Our planning has been particularly animated by two resolves:

- The library will have an enhanced profile in the academic culture of the campus by virtue of its positive impact on learning. This is a resolve that the library will function not only as a key academic *resource* but also as a fully engaged *partner* of the classroom faculty in fostering learning excellence and student success.
- The library will use performance measures to assess its partnership in the academic life of the campus and to drive a process of continuous performance improvement.² In this way, the library will share in the campus culture of systematic quality improvement.

The library's planning strategies for enacting these resolves and the key elements in these strategies are detailed in Sections VI.A. and VI.B. of this document. Here it is important to say experimental, proof-of-concept innovations can be especially powerful in acting on our aspirations. While library renovations will take a few years, there are rich possibilities for near-term innovation. The renovation of Carhart Hall, for instance, invites us to re-examine the library's engagement with the sciences.

Iconic function: Colleges and universities have long used their library buildings to signal the way learning excellence defines them as institutions. Libraries celebrate learning, and they are sited to underscore how the entire campus centers on the life of the mind. Libraries are grand spaces because learning is humanity's grandest enterprise. The US Conn Library is physically and socially the heart of the campus. When asked, students have indicated that the library is the place they want to be, where they most feel at home. They come not only to study but also 'to see and be seen' as a member of an academic community.

We do not need a grandly larger library building, but we certainly do need both an entrance to the Conn Library and spaces within the library that affirm, through their imposing design, that the library is a foremost place of learning where the College honors student success and learning excellence.

² For information about measuring the value of academic libraries and their impact on student learning, see Megan Oakleaf, *The Value of Academic Libraries: A Comprehensive Research Review and Report* (Chicago, IL: Association of College and Research Libraries, 2010).

I.D. Programming Team

The Wayne State College community greatly supported the programming efforts for the library. The planning meetings were well attended by administrators, faculty, staff and students. The diverse participation enriched the discussions and strengthened the programming aspirations.

Steering Committee :

Dave Graber, Director of Library (chair)
Jean Dale, Vice President for Administration and Finance
Robert McCue, Vice President for Academic Affairs
Chad Altwine, Director of Facility Services
John Dunning, Chief Information Officer
Charissa Loftis, Librarian
Terri Headley, Library Support Staff
Jon Dalager, Dean Natural & Social Sciences
Steve Elliot, Associate Professor of Art
Pat Lutt, Associate Professor of Business
Buffany DeBoer, Instructor of Biology
Dorothy Weber, Director of Holland Academic Success Center
Shawna Fredrickson, Student

Library Staff :

Karyn Bijlsma, Library Assistant
Cathy Echtenkamp, Library Assistant, Department – Periodicals
Rick Gathje, Custodian
Joyce Schenck, Custodian
Amanda Hank, Office Assistant
Terri Headley, Library Assistant, Departments - Circulation, Interlibrary Loan, and Gov. Documents
Jenny Keiser, Instructional Resources Coordinator, Department - Instructional Technology Center
Valerie Knight, Reference Librarian, Departments - Instruction and Distance Education
Charissa Loftis, Reference Librarian, Department - Collection Development
Reference Librarian, Electronic Services, Department - Reference
Marilyn Quance, Technical Services Librarian, Department - Technical Services
Marcus Schlichter, Acquisitions Librarian, Departments - Archives and Acquisitions
Pat Thompson, Library Technician, Department - Technical Services
Public Service Librarian, Departments - Circulation
Library Assistant/Evening Supervisor, Department - Circulation

Consultant Team

Jackson – Jackson & Associates, Inc.

Jack H. Jackson AIA, Principal, Architect and Project Manager
Eileen Korth AIA, Principal and Project Architect



Library Space Planning

Scott Bennett, Library Consultant

Olsson Associates

Dave Roberts, Olsson Associates, Mechanical Engineer
Scott Sharp, Olsson Associates, Mechanical Engineer
Corry Jones, Olsson Associates, Electrical Engineer



II.A. Data which Supports Funding Request

Code Upgrade and Infrastructure Needs - The existing library building is fundamentally the same building that existed in 1970, when the south addition opened, over 40 years ago. Sweeping building code changes have occurred that govern life safety, fire protection and energy efficiency. In addition, the Americans with Disabilities Act was passed in 1990, twenty years after the last major building construction project was completed. The need for renovation has grown urgent.

The numerous infrastructures needs include:

- Malfunctioning heating, ventilation, and air conditioning systems
- An elevator for which repair parts are increasingly hard to obtain
- Inefficient windows; in terms of both energy rating and proper operation
- Inadequate access to electrical power
- Outmoded restrooms
- Numerous code compliance issues, including ADA, energy, fire suppression and life safety
- Asbestos abatement of HVAC asbestos-formed ducts installed in the 1956 building, duct insulation and floor tiles
- Security issues, especially regarding late evening use of the building by students
- Badly designed back stairs and a loading area designed in the 1950's are inadequate to accommodate today's needs to introduce equipment and deliveries including food service and the art gallery pieces into the building.
- Constant maintenance of main entry features. The roof drains in the canopies freeze and leak and the brick retaining walls are deteriorating.
- Safety issues; narrow/steep stairs at northwest steps, brick pavers at main entry are slippery when wet from rain and snow.

Paradigm Shift in Library Function – While this project must correct the building's many infrastructure deficiencies, it is equally important that it engages with the paradigm shift that academic libraries now confront. For more than a century, academic libraries have striven to support their institutions by building the best possible print collections of information resources, which inescapably came to dominate library space. The viability of this book-centered paradigm began to fade in the 1990s, as vast quantities of information became available in virtual space and libraries became but one, and often not the preferred source for information. Colleges and universities must now create a new paradigm for the academic library. Fundamentally, we must choose between viewing the library as an information repository on the one hand and as a learning enterprise on the other. We may continue to see the library as a source of information; treat readers as information consumers; and cast library staff as people who support learning by facilitating the use of information resources. Alternatively, we may choose to treat students as self-directed learners rather than as consumers; view the library building as one of the chief places on campus where students take responsibility for and control over their own learning; and employ library staff to enact the learning mission of the college through being active educators. Planning for the US Conn Library aims at this second choice and a design practice strongly centered on learning.

II. Justification of the Project

Salient features of a learning-focused design for the library include the integration of the Holland Academic Success Center with information technology and reference services in a new Academic Commons; a substantial increase in other space for individual and collaborative learning; and a reconfiguration of the library space heavily used by students in the School of Education and Counseling.

The Library's Impact on Academic Success – The carefully planned cultivation of “information literacy” is the library's principal means of impact on a students' academic success. The goal is to help students recognize when they need information and then to gain access to that information, and to help them evaluate, manage and use that information responsibly, thereby assuming greater control over their own learning. Information literacy provides students life-long learning tools needed to succeed in both self-directed and collaborative endeavors. In this Information Age, the US Conn Library is developing programs and learning spaces that nurture information literate students.

The US Conn Library is the principal and ideal campus study space. The only other study spaces heavily used by students are their residences and common areas in academic spaces. The latter are used primarily during day time hours in conjunction with classes and tutoring. Most academic buildings are closed in the evenings when students do most of their studying. Residences are heavily used, of course, but their many non-academic functions often make them problematic, distraction-prone learning spaces. The more committed students report leaving the library only because it closes.

Students are comfortable and feel welcomed in the library. They feel significant ownership of the library as their learning space. They value the library building not only as “see and be seen” space, but as space where they are seen primarily as engaged academics. They understand that learning is often a socially engaged activity, and they prize the library support for collaborative learning as well as for individual study.

Some students are so regularly in the building that library staff come to know and greet them by name. Students appreciate this support and recognition of them as individuals and as committed members of a learning community.

Other Critical Building Functions:

The Library building is the central hub for the entire campus's network fiber distribution system, emanates from one room on the north end of the existing Lower Level. Improved fault tolerance and eliminating all single points of failure in the campus data distribution system will greatly reduce the possibility of bringing down the entire campus network. While relocating the existing fiber room will be challenging, it will eliminate some exposed fiber that is currently at risk, eliminate a single failure point, and provide two points of entry to the building for redundant loop construction to facilitate options for future fiber deployment. More information is at Section III.B. – Proposed Site and Utilities.

Online education is a method of course delivery unbounded by time or location, allowing students to engage with instruction from a computer via the internet, 24 hours a day, seven days a week. The Library is the hub for all Wayne State College Online Courses. The Office of Teaching and Learning Technologies and the Technology Resource Center support online teaching and learning, classroom computer technology and distance learning capabilities, including the Nebraska Video Conferencing Network and Video over IP.

II. Justification of the Project

The number of online courses has grown 40% from 2006 through 2010 as has the number of students taking advantage of this means of courses offered by the College has grown, and continued growth of online education use is anticipated as individuals see growing constraints on their time, and new technology allows improved course material delivery and social connections with online discussions and chat. See “Summary of Continuing Education” Chart at the end of this section for more data on online courses.

II.B. Alternatives Considered

The project team and steering committee briefly discussed the option of building a new library facility. The following disadvantages quickly outweighed the potential benefits:

- The US Conn Library is ideally located in the center of the campus and should remain in its current location.
- The Library is the academic and social hub of the campus and must remain in operation through construction, making total demolition of the current building very problematic.
- The higher cost of new construction, plus the additional cost of demolishing and disposing of the existing building would add an estimated \$6,580,000.00 to the construction costs for a building of equal gross square feet to that of the existing library.
- Temporary relocation of the library building and its contents would cost between \$250,000.00 and \$300,000.00 to move the contents, plus the cost to renovate the selected space to make it suitable for the existing library functions.
- The college would risk disconnecting with the current library users and fail to make the critical connection with the incoming freshmen and new students.
- Temporary decommissioning of Jitters Coffee Bar means loss of revenue for the college and would require renegotiation of the current food service vendor agreement.

II. Justification of the Project

Summary of Continuing Education

	Courses	Sections	Sites	On-Line		Students*
				Courses /	Students*	
Fall 2006	105	128	15	On-line 26/504	CD-Rom 38/50	1,619
Fall 2007	126	159	12	On-line 36/638	CD-Rom 53/46	1,989
Fall 2008	124	146	9	On-line 32/565	CD-Rom 60/56	1,893
Fall 2009	159	196	12	On-line 41/752	CD-Rom 72/44	2,188
Fall 2010	166	199	9	On-line 46/760	CD-Rom 78/28	2,031
Spring						
Spring 2006	90	112	16	On-line 36/454	CD-Rom 18/64	1,530
Spring 2007	117	148	16	On-line 36/599	CD-Rom 39/100	1,951
Spring 2008	141	169	8	On-line 41/683	CD-Rom 53/100	2,108
Spring 2009	152	183	14	On-line 41/707	CD-Rom 64/60	2,154
Spring 2010	171	218	14	On-line 53/833	CD-Rom 70/61	2,309
Summer						
Summer 2006	136	183	26	On-line 38/587	CD-Rom 43/192	1,729
Summer 2007	153	191	30	On-line 50/892	CD-Rom 43/178	2,028
Summer 2008	182	206	22	On-line 58/1,127	CD-Rom 60/187	1,924
Summer 2009	190	214	14	On-line 63/1,126	CD-Rom 68/137	1,884
Summer 2010	195	223	16	On-line 71/1,077	CD-Rom 78/144	1,824

*Duplicate Headcount

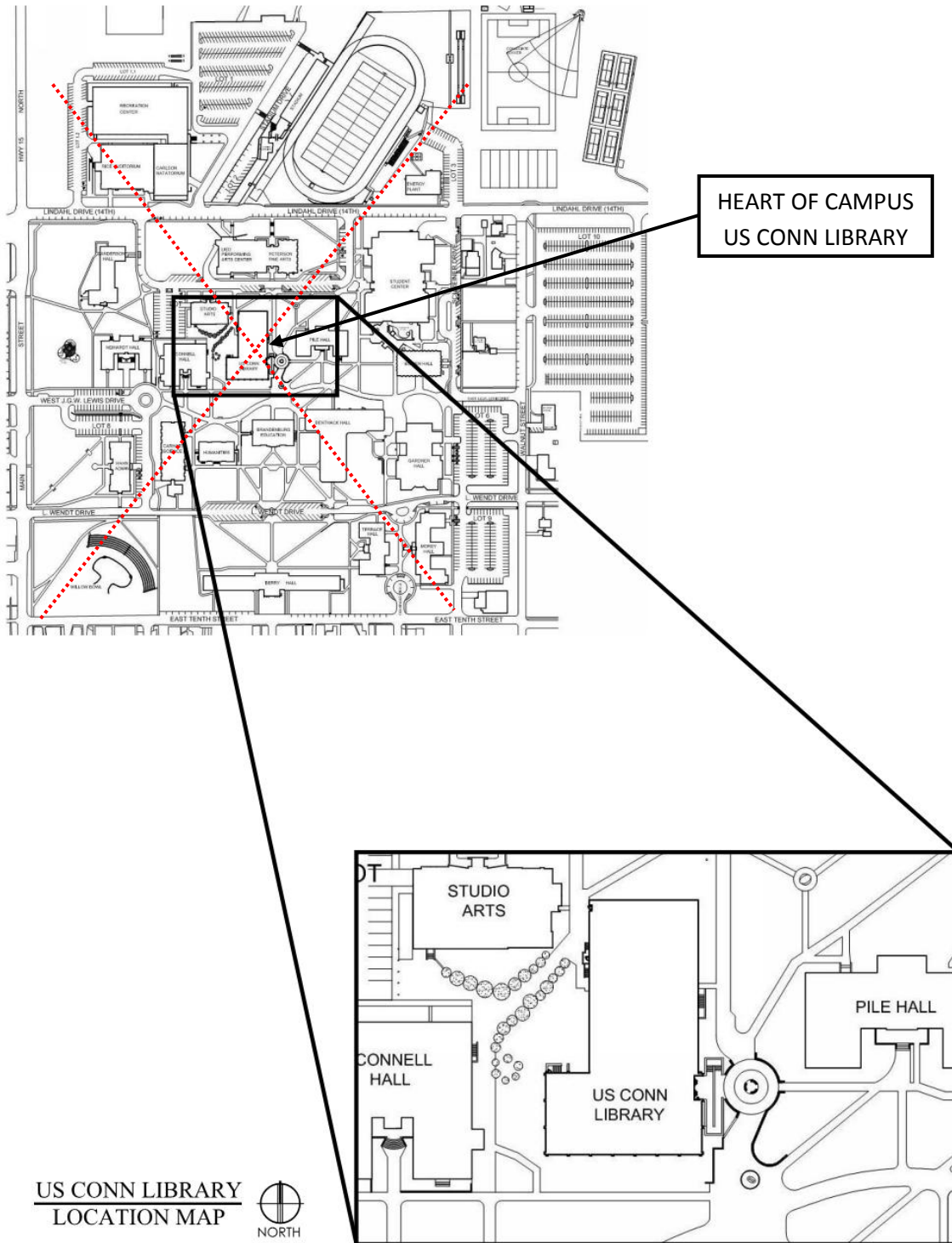
Wayne State College 2010-2011 Institutional Data, from the Information Management Office,
Dr. Robert O. McCue, Director

Prepared by Jeannette Barry, Institutional Research Analyst

III. Location & Site Considerations

III.A. Location

The Project is located in Wayne County, in Wayne, Nebraska, on the Wayne State College campus. See location map below.

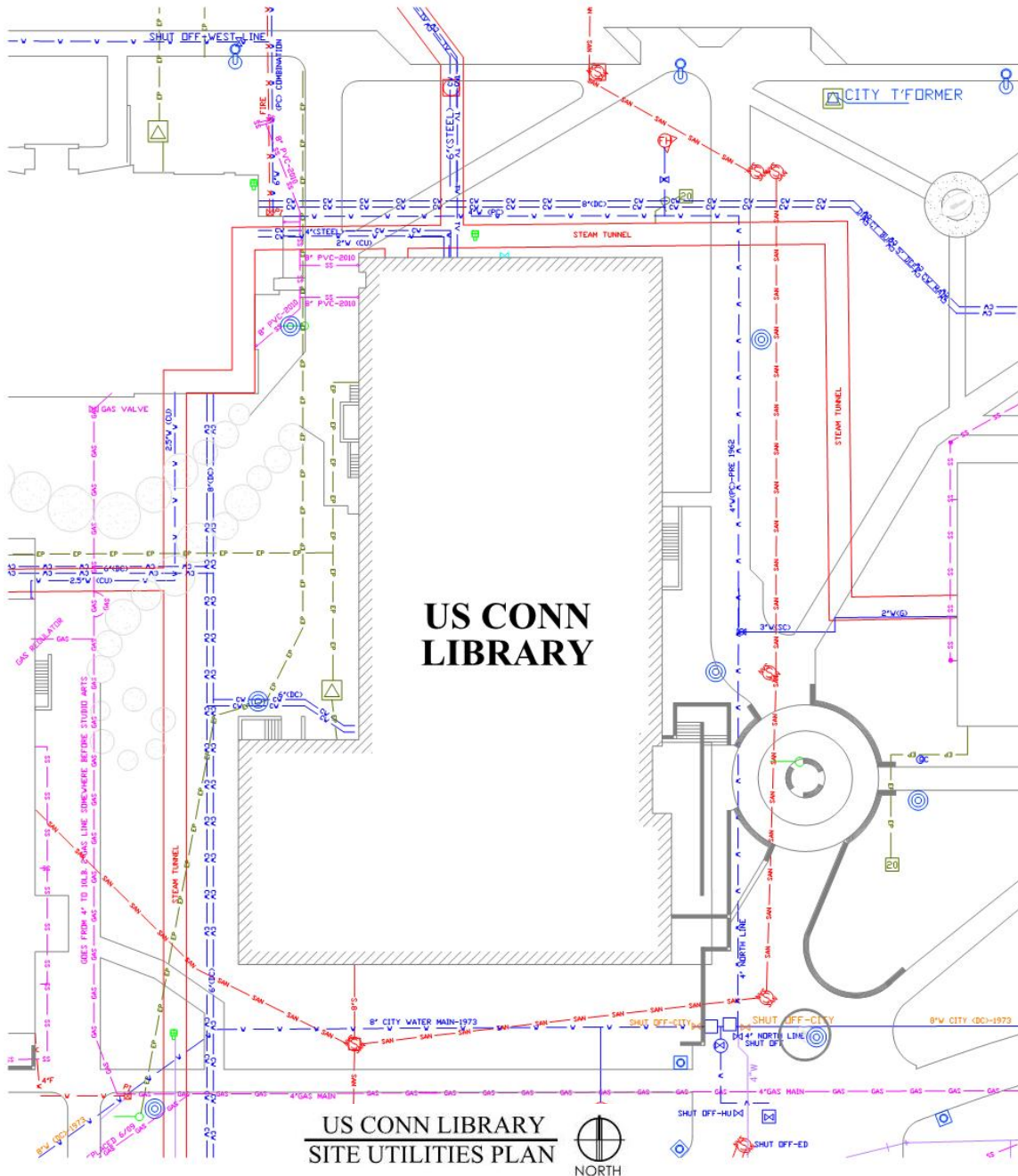


III. Location & Site Considerations

III.B. Proposed Site and Utilities

The existing US Conn Library is the “heart” of the campus both physically and socially. It is currently properly sited as the center of academic life.

The existing Conn Library building is completely surrounded by underground utilities, as shown on the Site Utility Plan below. Refer to Site Utility Plan on this page. Utilities supplied to the U.S. Conn Library include sanitary sewer, domestic water, central plant high pressure steam, condensate return, central plant chilled water, electrical power and telecommunications. The existing site utilities will be used to serve the needs of the library building during and after the renovation.



III. Location & Site Considerations

The Library building is the central hub for the entire campus' network fiber distribution system from one room on the north end of the existing Lower Level. The fiber network cabling feeds the campus via the campus tunnel system. Existing conditions constitute a single failure point that could bring down the entire campus network. As part of the library programming it would be prudent to consider options for providing improved fault tolerance and diverse fiber pathways for core network functions. These changes would also integrate into the fiber plant analysis included in the Campus Master plan, with the eventual goal of eliminating all single points of failure in the campus data distribution system.

As part of the Campus Master Plan, the existing 4 inch water lines on the east and north sides of the library building are both scheduled to be replaced. The new building domestic water service and fire protection system water service line will come off the existing 8 inch water main on the south side of the library building.

III.C. Statewide Building Inventory

The US Conn Library Building is building 1300 in the Department of Administrative Services Building Inventory.

III.D. Influence of Project on Existing Site Conditions

Relationship to Neighbors and Environment

New Main Entry: The New Main Entry addition will fulfill many important roles in the building program. The library is the heart of campus and is important to the academic success of the students. The current entry does not articulate the significance of the building. The approach is neither ADA compliant nor welcoming as it requires one to wind around barriers to reach doors that are hidden back under a heavy canopy. Once inside, it is not instantly clear how to navigate around the building. A new highly visible entry addition that celebrates learning and draws people to the library will provide access to stairs and a new elevator for ease of wayfinding. It will tie together the two distinct building styles of the original 1956 building and the 1970 building addition. The addition will also address the need to eliminate some of the existing exterior features that are not sustainable, requiring annual maintenance. The new entry addition will have to be coordinated with the existing water and sanitary sewer lines east of the building. An existing manhole will have to be relocated to accommodate the proposed new addition.

Exterior Terrace: With the exception of the Willow Bowl on the southwest corner of campus, the only outside seating area on campus is a gazebo in the Hoffbauer Plaza between the Student Center and Bowen Hall. There is a campus-wide desire for exterior seating areas, for both socialization and studying. The proposed terrace to be located on the southeast corner of the Library will have a strong relationship to Jitters and the food service area. The terrace will be designed to relate to the pedestrian corridor on the south side of the Library, acknowledging and enhancing the Library function as the social heart of the campus.

North Entry: The newly planned north entry will provide an important connection between the relocated Nordstrand Visual Art Gallery, in the library, and the Peterson Fine Arts directly north and Studio Arts directly west. The north entry provides ease of public access and increased visibility to the

III. Location & Site Considerations

Gallery. In addition, the proposed new north entry will address an identified need for a second entry on the north side of the building and fulfills a code requirement that 60% of exits be handicap accessible. Careful placement of the new structure over the top of the existing underground utilities including the network distribution/steam tunnel will have to be considered during design and construction.

Landscaping: There are two trees on the south side of the library that must be protected.

- The Balsam Fir, not common in this region of the United States.
- The Japanese Pagoda on the southwest corner.



US Conn Library – South Elevation

Parking and Circulation

Since Conn Library is located in the center of the campus, users are approaching the building from all directions, making entrances on both southeast and the northwest highly desirable.

Pedestrians: Current campus planning has a strong pedestrian focus. The transformation of a large portion of J.G.W. Lewis Drive on the south side of the building into a wide pedestrian corridor (The Commons) has become a focal axis. Along with improved wayfinding, other amenities include well groomed landscaped garden areas and sculptures. On nice days you can find students assembling outside around the main entry to the library using the brick and concrete retaining walls as benches.

The majority of onsite student housing is located to the east and south of the library building, so the main southeast entry is very accommodating to most of the students coming to the library from their residence halls. Also, two-thirds of the academic buildings are located south and east of the library building.

During our study we found a significant number of library users during the day are coming to the library from Connell Hall, Rice Auditorium, Studio Arts and Peterson Fine Arts on the north and west sides of the Library. For these individuals, the main entry location on southeast corner is not convenient, especially in the winter.

Food Service: Current deliveries to Jitters Coffee Bar are walked over from the Student Center, located northeast of the library.

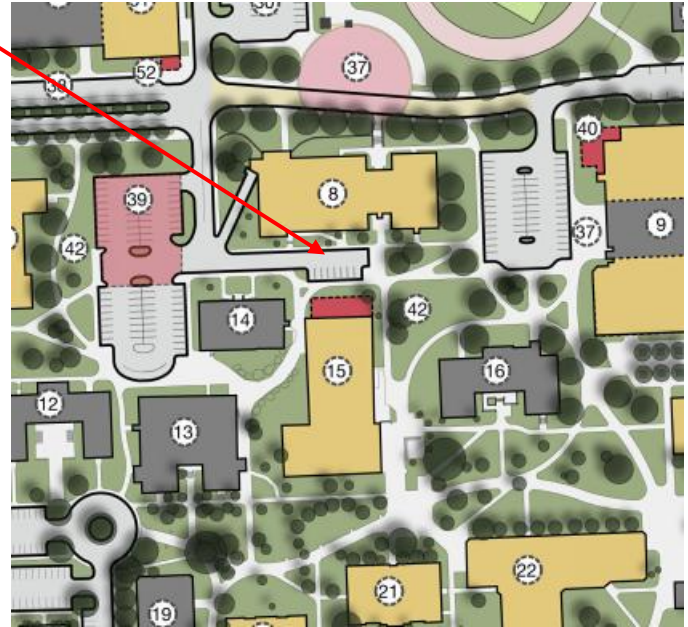
III. Location & Site Considerations

Parking and Vehicles: Refer to the proposed master plan below. Note #39 indicates a proposed location for a new parking deck for public, faculty and staff parking to the northwest of the library.

In the master plan it has been proposed to close the existing R. Anderson Drive on the north side of the library to through traffic.

Deliveries: The library does not receive a large number of deliveries other than for the Art Gallery. The Art Gallery receives traveling collections, which at times include large sculptures and pieces of art work that are currently unloaded on R. Anderson Drive north of the library and are brought into the building through the main entry on the southeast corner.

To address pedestrian, parking and delivery needs, a second entry on the north side of the building has been included in the program.



US CONN LIBRARY
PARTIAL MASTER PLAN 

IV. Comprehensive Plan Compliance

IV.A. Year of Agency's Comprehensive Plan

Wayne State College completed a Campus Master Plan, April 20, 2012.

IV.B. Consistency with the Agency's Capital Facilities Plan

The proposed Conn Library Code Upgrade and Renovation Project is consistent with the 2012 Campus Master Plan. The following is the need statement in the 2012 Campus Master Plan:

"U.S. Conn Library – Upgrade/Renovation/Addition

Renovations to address aged and inefficient building systems, improve efficiency of operation/utilization, provide for better access to technology, as well as renovation of the Library interior for enhanced study and learning areas. Renovations are needed to address Fire/Life Safety improvements, window replacements, HVAC systems and ADAAG accessibility improvements. Enhancements are needed to integrate the 1956 and 1970 portions of the building and create an iconic identity for the library as the central learning hub on campus."

IV.C. Consistency with the Statewide Capital Facilities Plan

The proposed Conn Library Code Upgrade and Renovation Project is consistent with the General Guidelines for Capital Construction and Building Renewal Projects.

V. Analysis of Existing Facilities

V.A. Function and Purpose of the Existing Program

The US Conn Library is an integral part of Wayne State College; it serves the campus and the region with instructional, research and general information needs. The Library facilitates the interaction of students and faculty, supports and enriches the academic programs of the college, serves as a partner in the information seeking process and encourages intellectual development for lifelong learning.¹ The following is an overview of the current programs, services and amenities offered through the library.

Library Collection: The Library houses, manages and provides student, staff, faculty and the regional community access to a broad and varying collection of materials.

Number of volumes as of May 1, 2011:

Book volumes.....	146,435
Juvenile/YA book volumes	31,988
Government documents	45,118
Bound periodicals	<u>42,456</u>
Total	265,997
Nonbook items.....	19,240
Newspapers on microfilm	5,462
Periodicals on microfilm	<u>3,163</u>
Total (1:1)	8,625
Periodicals on microfiche(8:1)	3,969
Physical Education Microfiche	8,563
Education Resource Information Center	
Microfiche(8:1)	72,303
Ultrafiche	534
Other items on fiche	<u>855</u>
Total	86,224

Balance as of May 1, 2011

380,086

Library Administration: Plans, organizes, directs, controls and promotes the activities and services of the Library system. Studies and makes plans to develop the services of the library to meet more effectively present and future campus and community needs. Supervises and develops procedures, policies and reference service methods used. Coordinates the continued training and development of staff members and selects and trains new personnel. Initiates plans, develops and implements records and report systems and schedules and supervises the keeping of records and the preparation of reports.

- Dave Graber, Director of Library
- Amanda Hank, Office Assistant

¹ The Strategic Plan for the U.S. Conn Library is available at http://academic.wsc.edu/conn_library/about/mission/ (18 February 2012).

V. Analysis of Existing Facilities

Archives: The mission of the Wayne State College Archives is to serve as the institutional memory of the college through the identification, acquisition, maintenance, and preservation of records of enduring historical, legal, fiscal, and/or administrative value, in all formats. The archives shall also appraise, maintain, and preserve the records of alumni and friends of the college received as gifts should the subject matter of the records relate to the mission or history of the college. The archives shall make records available, according to an access policy that safeguards documents and privacy, to all those seeking to learn about Wayne State College and the college community.

- Marcus Schlichter, Acquisitions Librarian, Departments - Archives and Acquisitions

Circulation: The main service and security point of the library is the Circulation Desk. The circulation staff are responsible for opening and closing the library and monitoring the security gate. They provide lending services and facilities for return of loaned items including interlibrary loan. The Circulation Desk is where materials and equipment that can be checked out for in-library use including laptops and tablets, and reserved materials. The circulation staff must have a lot of information about the library as they act as an information desk, provide way-finding, and basic search and reference services. The circulation staff maintains the printers and copiers, especially for paper jams, and report other problems as needed to network services help desk. Circulation staff is also responsible for stack maintenance, cleaning, organizing and re-shelving of materials.

- Terri Headley, Library Assistant, Departments - Circulation, Interlibrary Loan, and Gov. Documents
- Karyn Bijlsma, Library Assistant
- 1 Staff Member, Library Assistant, Departments - Circulation and Interlibrary Loan
- 1 Staff Member, Reference Librarian, Departments - Circulation
- 16 part-time Student Workers

Instructional Technology Center: The Instructional Technology Center (ITC) houses K-12 materials that are representative of the materials that are, or could be, used for teaching in Nebraska schools. The ITC provides services such as lamination, binding, color printing, poster printing, die cutting, DVD and CD duplication, badge production and equipment checkout including audiovisual, cameras, digital recording devices and proximas. The ITC offers supplies for purchase including construction paper, poster board, cover stock, index cards, etc. The ITC also offers items for use in the library including colored pencils, crayons, glue, scissors, etc.

- Jenny Keiser, Instructional Resources Coordinator, Department - Instructional Technology Center
- Jim Maly, Audiovisual Technician, Department - Instructional Technology Center
- 9 part-time Student Workers

Jitters Coffee Shop: Managed and staffed by Chartwells, the campus food service vendor, Jitters has been very popular since it opened in 2006. The 690 sq.ft. coffee shop is located directly across from the main entry on the first floor. Due to the current success there is a desire to expand services to include a

V. Analysis of Existing Facilities

line of hot menu items. The relationship between the Library and Jitters is mutually beneficial, as food is an important part of socially engaged learning.

Nordstrand Visual Art Gallery: The gallery is approximately 1,200 sq.ft. of exhibit space. The gallery is located on the main level of the library, along the south wall of the 1970 addition and across from Jitters. The interior of the space has a raised wood floor, energy efficient LED lighting and movable walls that allow the space to be reconfigured to meet the needs of each exhibit.

Periodicals Collection Department: The function of the Periodicals Department is to provide organized access to the library's periodical holdings and to maintain all records pertaining to the periodicals collection. The collection includes approximately 2,000 periodical titles and 28 newspaper titles. On the main level are housed the 370 currently received titles along with back issues/volumes up to 1990 which are open to the public. On the lower level are housed volumes for currently received titles that are older than 1990 and titles which are no longer received. These holdings are closed to the public as the area is not ADA compliant. Staff pull the volumes needed as requested by library patrons. The physical periodical holdings are shrinking, however, as many of the titles owned are now available as full-text e-journals.

- Cathy Echtenkamp, Library Assistant, Department – Periodicals
- 3 part-time Student Workers

Reference and Instruction Services: Provides reference service to all library patrons including students, faculty, staff and community members, by assisting library patrons in the selection, use and evaluation of library and related research materials. Reference librarians promote an interest in library services across the campus. They assist patrons in person, on the phone, via email, through bibliographic instruction and as part of the embedded librarian program for on-line courses. Reference librarians develop reading, reference, and research collections and select books, materials, and equipment for the library for specific classes or class assignments they develop in-class presentations and reference tips/tools for patrons to use. Materials and presentations are developed in a variety of formats to assist students with their research needs by taking into account student learning styles and the need for differing modes of access.

- Valerie Knight, Reference Librarian, Departments - Instruction and Distance Education
- Charissa Loftis, Reference Librarian, Department - Collection Development
- 1 Staff Member, Reference Librarian, Department – Electronic Services

Technical Services Department: The Technical Services Department is charged with the maintenance of the Library's physical collection. Two full-time staff manage acquisition, organization and preparation of library materials for use, including cataloging, classification, repair and preservation.

- Marilyn Quance, Technical Services Librarian, Department - Technical Services
- Pat Thompson, Library Technician, Department - Technical Services
- 3 part-time Student Workers

V. Analysis of Existing Facilities

Technology Resource Center: Wayne State College’s training and support center for online education, interactive video classes, video conferencing, and classroom technology. The TRC maintains an eight-computer multimedia lab for faculty and student use. The lab offers specialized photo-editing and desktop-publishing software, large-format printing, scanning, and CD/DVD duplication. Student workers are available to assist those using the lab. Other TRC facilities include a video recording and production room; a dedicated videoconference room; and a multi-purpose room that is used for training, demonstrations of new equipment and technology, webinars and other presentations, and a back-up videoconference facility. The TRC maintains an inventory of equipment for checkout by faculty, including cameras, audio and video recorders, digital projectors, document cameras, and notebook computers. The TRC also offers training and support for all WSC faculty and staff on new software and other technology.

- Eddie Elfers, Director Technology Resource Center
- 1 Staff Member
- 2 Student Workers

Writing Help Desk: The Writing Help Desk is located on the first floor of the library in the 1970 addition. The Writing Help Desk is designed to help students improve written communication and academic writing skills. The Help Desk will help students clarify concepts, improve critical thinking, develop paragraphs and transitions, work on organization, increase vocabulary, incorporate and correctly document secondary sources, and write logical, grammatically correct, clear sentences.

- Deb Ensz, Learning Skills Specialist
- Mary Carstens, Learning Skills Specialist
- Lora Dion, Adjunct Faculty

V.B. Square Footage of Existing Areas

Current Building Areas:

<u>Basement</u>	<u>Square Feet</u>
Net Assignable Area = (70.2%).....	16,132 sq.ft.
Net Usable Area = (90.4%).....	20,786 sq.ft.
Gross Area.....	22,995 sq ft
<u>First Floor</u>	
Net Assignable Area = 84.4%.....	19,319 sq.ft.
Net Usable Area = 92.1%.....	21,073 sq.ft.
Gross Area.....	22,878 sq.ft.
<u>Second Floor</u>	
Net Assignable Area = 80.5%.....	18,507 sq.ft.
Net Usable Area = 93.8%.....	21,558 sq.ft.
Gross Area.....	22,995 sq.ft.

Attic.....	13,625 sq.ft.
Penthouse	1,070 sq.ft.

BUILDING EFFICIENCY AND CODE REVIEW

<u>A. BASEMENT</u>	<u>Square Feet</u>
1. Corridor #001	190 sq.ft.
a. Less than 48 inches wide (Code minimum is 48 inches)	
b. Doors maneuvering clearance on the north and south ends of corridor do not meet ADAAG Table 404.2.4.1	
2. Corridor #002	340 sq.ft.
a. 6'-4" wide	
3. Corridor/Lounge #003.....	534 sq.ft.
a. Technology Resource Center waiting area	
4. Corridor #004	243 sq.ft.
a. 9'-8" wide	
b. Floor slopes, the original 1956 building's floor is lower than the 1970 addition.	
5. Storage #004A.....	243 sq.ft.
a. Custodial/ Maintenance Storage	
6. Corridor #005	430 sq.ft.
a. 6'-4" wide	
b. Door maneuvering clearance on north end of corridor does not meet ADAAG Table 404.2.4.1	
7. Corridor #006.....	140 sq.ft.
a. 6'-4" wide	
b. Required fire exit to accommodate maximum travel distance of 200 feet in a non-sprinkled building	
8. Corridor #007	193 sq.ft.
a. 4'-0" wide	
b. Door maneuvering clearance at east end of corridor does not meet ADAAG Table 404.2.4.1	
c. Required fire exit	
9. Stairs #107.....	95 sq.ft.
a. 3'-11" wide	
b. Not in compliance with IBC, Section 1007.3 minimum clear width between handrails.	
10. Archive Storage #008.....	249 sq.ft.
a. Door maneuvering clearance on the east wall does not meet ADAAG Table 404.2.4.1	
b. Non-Fire Rated Room utilized for Storage is not in compliance with IBC.	

V. Analysis of Existing Facilities

11. Archives/Bond Periodicals #009 1,183 sq.ft.
 - a. Rooms over 1000 sq.ft. are required to have two means of egress. The second means of egress cannot be through a room – west door on south wall exit into a Storage Room - does not meet code.
12. Network Distribution Room #009A..... 219 sq.ft.
 - a. Not optimal for cable management
 - b. Exposed wiring in Corridor #001 is vulnerable to damage
13. Office #010..... 295 sq.ft.
 - a. Swing space
14. Office #010A 140 sq.ft.
 - a. Swing space
15. Office #010B..... 195 sq.ft.
 - a. Swing space
16. TRC Video Studio #011..... 282 sq.ft.
 - a. Swing space
 - b. Previously used as Green Room, not optimal for this use. Larger, deeper room needed for videotaping.
17. Custodial #011A 46 sq.ft.
 - a. Not ADA accessible
 - b. Non-Fire Rate Room utilized for Storage is not in compliance with IBC (International Building Code)
18. Corridor #012 66 sq.ft.
 - a. 2'-5" wide – not in Compliance with IBC or ADAAG Section 402
19. Office #012A 103 sq.ft.
 - a. Swing space
 - b. Swing space
 - c. Not on an accessible route
20. Office #012B..... 101 sq.ft.
 - a. Swing space
 - b. Not on an accessible route
 - c. 24 inch door – not in Compliance with IBC or ADAAG
21. Office #012C..... 345 sq.ft.
 - a. Swing space
 - b. Suite style configuration – No door from corridor
 - c. Not on an accessible route
 - d. 32 inch door – not in Compliance with ADAAG
22. Office #013..... 234 sq.ft.
 - a. Swing space
23. Multi-Media Lab #014..... 502 sq.ft.
 - a. Needs to have Anti-Static Flooring to prevent Dry-Shocks from Equipment
 - b. 7 Computer stations
 - c. Scanner – desk top

V. Analysis of Existing Facilities

- d. 2 Printers – desk top
 - e. 1 Plotter - stand
24. AV Room #014A 90 sq.ft.
 - a. Video and Sound Editing Room
 - b. With equipment in the room, it is not ADA accessible.
 25. Office #014B..... 176 sq.ft.
 26. Technology Resource Center Office #015..... 413 sq.ft.
 27. Technology Resource Center Storage #015A..... 120 sq.ft.
 - a. Insufficient storage space
 - b. Supports the need of the IT Department as a central location on campus for supplies.
 28. Custodial #016 85 sq.ft.
 - a. Old enclosed stair case – steps remain
 - b. Not in compliance with ADAAG
 29. Custodial #017 83 sq.ft.
 - a. Old enclosed stair case – steps remain
 - b. Not in compliance with ADAAG
 30. Technology Resource Center Training Lab #018..... 784 sq.ft.
 - a. Heavily used for training, webinars, demonstrations, etc.
 - b. 6 training stations
 - c. Used as back-up for the Video Conference Room
 - d. Not flexible or easy to reconfigure
 31. Woman's Lounge #019 210 sq.ft.
 - a. Underutilized space
 - b. Students use as a study area during finals week
 32. Woman's #019A..... 144 sq.ft.
 - a. Not in compliance with ADAAG, Sections 603, 604, 606, and 609
 33. Men's Lounge #020..... 171 sq.ft.
 - a. Underutilized space
 - b. Students use as a study area during finals week
 34. Men's #020A 144 sq.ft.
 - a. Not in compliance with ADAAG, Sections 603, 604, 605, 606, and 609
 35. Archive Storage #021 122 sq.ft.
 - a. Need more space – Items continue to come into the Archive Department from other buildings from all over campus.
 - b. No Room for future growth
 - c. Non-Fire Rate Room utilized for storage is not in compliance with IBC
 - d. Door maneuvering clearance is not in compliance with ADAAG Table 404.2.4.1

V. Analysis of Existing Facilities

36. Archive Workroom #022..... 290 sq.ft.
- Work desk for one person, need space for additional personnel, for both a staff member and student workers.
 - Non-fire rated room utilized for storage is not in compliance with IBC.
 - All work area is currently being used for storage. No room to lay out items to work with.
37. Mechanical Room #023 916 sq.ft.
- All doors must swing out for exiting – east door to Corridor #001 does not meet code.
 - Outside stairs are not in compliance with ADAAG
 - Stairs from exterior are 3'-8" wide, hard to get large equipment in and out
 - Security and safety issues with exterior stairs, hidden and wet/icy during fall and winter seasons.
 - Tunnel access in northwest corner
38. Bound Periodicals Storage #024 1,604 sq.ft.
- Rooms 1000 sq.ft. or more must have a minimum of two doors that swing out for exiting – all three doors swing in and do not meet code.
 - Non-fire rate room utilized for storage, is not in compliance with IBC.
 - Paper storage for building and shredded paper storage
39. Storage #024A..... 166 sq.ft.
- Non-fire rated room utilized for storage is not in compliance with IBC.
40. Storage #024B..... 180 sq.ft.
- Non-fire rated room utilized for Storage is not in compliance with IBC.
 - Door from #009 does not meet code for second exit.
41. Vending #025 242 sq.ft.
- Former book lift – dead space
 - Space is under utilized
 - Mainly used as a corridor to Elevator
42. Elevator #026..... 128 sq.ft.
- 54 inches clear inside – Not ADA compliant, minimum of 60 inches clear required by ADAAG
43. Elevator Equipment Room #026A..... 35 sq.ft.
- Too small - does not meet current elevator code equipment clearance requirements.
44. Book Stacks #027 3,342 sq.ft.
- Private study carols in the stacks are used often.
45. Government Documents Office #028A..... 210 sq.ft.
- Swing space offices

V. Analysis of Existing Facilities

- b. Government documents are no longer managed outside the library collection
- 46. Government Documents Office #028B..... 274 sq.ft.
 - a. Swing space offices
 - b. Government documents are no longer managed outside the library collection
- 47. Government Documents Office #028C..... 209 sq.ft.
 - a. Swing space offices
 - b. Government documents are no longer managed outside the library collection
- 48. Archive Storage #029..... 225 sq.ft.
 - a. Non-fire rated room utilized for storage is not in compliance with IBC.
- 49. Custodial/Electrical #029A..... 121 sq.ft.
 - a. Non-fire rated room utilized for storage is not in compliance with IBC.
- 50. Mech./Elec. Room #029B..... 121 sq.ft.
- 51. Corridor #030..... 102 sq.ft.
 - a. Door maneuvering clearance on south end of corridor is not in compliance with ADAAG Table 404.2.4.1
- 52. Video Conference Room #031..... 383 sq.ft.
 - a. Shared use by TRC Department and Library. Reserved through library
 - b. In compliance with the Nebraska Video conference Network requirements.
- 53. Government Documents #031A 2,987 sq.ft.
 - a. Government documents print collection is shrinking – moving to digital.
 - b. Drinking fountain in this area is not in compliance with ADAAG
 - c. Seating for 38 people at tables and chairs
 - 6 tables that seat 6 people
 - 2 tables that seat 4 people
 - d. Microfilm Imager and computer along the east wall.
 - e. 22 cabinets in microfiche and ultrafiche collections and a reader for each are currently stored in this area. These collections are rarely used and discussion is taking place regarding eliminating them completely.
 - f. Three (3) typewriters are on desks on the south wall – rarely used.
 - g. The older original furniture in this area is not as comfortable as the newer furniture. There are couches and chairs in this area, but the students elect frequently to use the newer over stuffed couches and chairs in the TRC Lobby area #003.

V. Analysis of Existing Facilities

B. FIRST FLOOR

1. Vestibule #100 120 sq.ft.
 - a. Not in compliance with ADAAG Section 404.2.6. – Doors in Series.
The distance between two hinged doors in series shall be 48 inches plus the width of doors. (7 feet minimum) Existing is only 5'-9".
 - b. Entrance is backwards and causes confusion – enter on the left and exit on the right.
2. Entry #100A..... 132 sq.ft.
 - a. Entrance is backwards and causes confusion – enter on the left and exit on the right.
3. Great Plains Room #100B 1,715 sq.ft.
 - a. Main area where student congregate and come to see and be seen.
 - b. Relaxing area
 - c. Comfortable furniture
 - d. Clubs and organizations have bake sales
 - e. Current newspapers and periodicals line the walls
 - f. New books display
 - g. Display of archives
 - h. Display case
4. Circulation Area #101 845 sq.ft.
 - a. Counter is not compliance with ADAAG
 - b. Former book lift is not operational – unused space
 - c. Reserve collection
 - d. Check-out for laptops and tablets
 - e. Students use the circulation desk as reference desk.
 - f. Space for two (2) student workers
 - g. Circulation counter is used for storage of items that could be moved to another location.
 - h. The existing circulation area is currently larger than is required which has allowed other functions to migrate into this area that could be located elsewhere in the library.
5. Circulation Area #102 451 sq.ft.
 - a. Counter is not in compliance with ADAAG
 - b. DVD's for check-out are securely stored to prevent theft
6. Technology Commons #103..... 2,814 sq.ft.
 - a. Six (6) computer stations with internet access for public use
 - b. Eight (8) computer stations – mainly word processing
 - c. Four (4) computer print stations
 - d. One (1) network printer – print station
 - e. Table with four (4) chairs
 - f. Lounge area
 - g. Book display
 - h. Drinking fountain in northwest corner is not in compliance with ADAAG Section 602.

V. Analysis of Existing Facilities

7. Reference Desk #103A..... 81 sq.ft.
 - a. Moved to current location and configuration with the introduction of Jitters coffee shop
 - b. Current discussion regarding the best location and configuration of the Reference “Desk”
8. Custodian #103B 41 sq.ft.
 - a. Door open impedes travel path of stairs by more than 60%
9. Stair #104 391 sq.ft.
 - a. Hand rail configuration does not comply with ADAAG Section 505 – Handrails
 - b. Guardrails are not in compliance with IBC Section 1013 - Guards
10. Study Area #105..... 2,036 sq.ft.
 - a. Eight (8) tables that seat 6 people
 - b. Poor acoustics – flutter echo of close parallel walls makes the area really noisy, even when talking in a normal voice.
 - c. Football team uses for required library study hours.
11. Corridor #105A..... 34 sq.ft.
 - a. Display case is used for Archive Display of old trophies
 - b. Rarely used access point to the basement and second floors.
12. Nordstrand Art Gallery #105B 1,188 sq.ft.
 - a. Completed in 2010
 - b. Current location selected for its higher existing ceiling
 - c. Wood Floor System needs repair where seams are pulling apart.
 - d. Two walls at entry are not designed to hang artwork – lacks a visual draw when you cannot see works on display - wasted space.
 - e. The Gallery does not have doors, and the walls do not extend to ceiling – you cannot secure the gallery. Concerns with the value of some of the artwork on display.
 - f. Lacks good entry access to get large pieces of work into the building and on display.
 - g. Some of the traveling exhibits will not come due to lack of security and access.
 - h. Too small and open to the rest of the library area, not conducive to holding a class in the gallery
 - i. Needs a more quiet location – away from activity of primary library functions
 - j. Lacks security
 - k. Lacks noise control
13. Stair #106 558 sq.ft.
 - a. 3’-8” wide (48” clear without automatic sprinkler system)
 - b. Not in compliance with IBC, Section 1007.3 minimum clear width between handrails.
 - c. Hand rail configuration does not comply with ADAAG Section 505 – Handrails
 - d. Guardrails are not in compliance with IBC Section 1013 – Guards
 - e. Area of refuge not provided in compliance with IBC, Sections 1007.3 and 1007.6.
 - f. Lacks required head clearance at exterior wall with concrete beam over stairs and handrails.

V. Analysis of Existing Facilities

14. Stair #107 400 sq.ft.
 - a. Hand rail configuration does not comply with ADAAG Section 505 – Handrails
 - b. Guardrails are not in compliant with IBC Section 1013 – Guards
15. Vestibule #107A 29 sq.ft.
 - a. Not in compliance with ADAAG Section 404.2.6. – Doors in Series. The distance between two hinged doors in series shall be 48 inches plus the width of doors. (7 feet minimum) Existing is only 5'-9".
 - b. Exterior and interior doors maneuvering clearances are not in compliance with ADAAG Table 404.2.4.1
16. Reference and Periodicals #108..... 6,001 sq.ft.
 - a. Old single pane glass windows not energy efficient – leaky and do not operate.
17. Storage #109 8 sq.ft.
 - a. Too small - inefficient use of space
18. Binding Workroom #110..... 197 sq.ft.
 - a. Repurposed use of former Storage room
 - b. 80% of periodical binding completed in-house
 - c. Binding for the campus faculty, staff, student theses and WSC Press
 - d. Need a sink
 - e. Flammable storage cabinet needed for adhesives
 - f. Two workstations with binding materials and equipment
 - g. Space needs good ventilation for use of adhesives, melting glue and cleaners
 - h. Need book shelves and room for book carts.
 - i. Existing space was modified to fit needs - not ideal layout of workspace space.
 - j. Too small
19. Ductwork and Storage #110A 187 sq.ft.
 - a. Large/existing ductwork penetrates the center of room, impeding circulation and space usage.
 - b. Additional binding materials and equipment stored in this space.
 - c. Not accessible space with the existing ductwork in the center of the room.
20. Technical Services #111 1,078 sq.ft.
 - a. Natural lighting
 - b. Central Supply/Mail/Delivery location
 - c. Three (3) full-time Staff and three (3) part-time students – six workstations needed.
 - d. Need sink and work area for book binding.
 - e. Manage Periodicals and update newspapers daily.
 - f. Most tasks do not need to be located on the first floor.
 - g. Need more power
 - h. Provide a lockable cabinet for DVD's.

V. Analysis of Existing Facilities

- i. Work area is crowded, flow with book carts is tight.
 - j. West exterior entry steps are narrow and steep. Not in compliance with IBC Section 1007
21. Office #111A 167 sq.ft.
a. Private office for Head of Technical Service Department
22. Office #111B..... 115 sq.ft.
a. Too Small
23. Office #112..... 184 sq.ft.
a. Archives and Acquisitions Department Office
24. Restroom #112A 23 sq.ft.
a. Private office restroom.
b. Not in compliance with ADAAG, Sections 603, 604, 606, and 609
c. Review required fixture count if eliminated
25. Office #113..... 142 sq.ft.
a. Office Assistant
26. Storage #113A..... 27 sq.ft.
a. General Office Storage
27. Workroom #114..... 150 sq.ft.
a. Staff Workroom
28. Staff Restroom #114A..... 24 sq.ft.
a. Private staff restroom.
b. Not in compliance with ADAAG, Sections 603, 604, 606, and 609
c. Review and confirm required fixture count if eliminated
29. Library Director #115 311 sq.ft.
a. Door maneuvering clearance from Office #113 is not in compliance with ADAAG Table 404.2.4.1
30. Restroom #115A 24 sq.ft.
a. Private office restroom.
b. Not in compliance with ADAAG, Sections 603, 604, 606, and 609
c. Review required fixture count if eliminated
31. Closet #115B 14 sq.ft.
a. Two foot wide door is not in compliance with ADAAG
32. Storage #116 144 sq.ft.
a. Paper storage for the print stations
b. Narrow – will not accommodate the ADAAG five foot turning radius
33. Jitters Coffee Shop #117 666 sq.ft.
a. Completed in 2005

V. Analysis of Existing Facilities

- b. Machines are very noisy and disruptive to adjacent academic study areas on the first floor
 - c. Prime location in Library - first visual upon entry to building.
 - d. Lacks adjacent storage.
 - e. Plumbing waste water tie-ins cause issues with drinking fountain in the Government Documents #031A of lower level.
 - f. All deliveries come through the Main Entry.
 - g. Food Service Vendor desires more space for retail and expanded service selection.
 - h. Important support function to foster learning.
 - i. Needs more power
 - j. Desires seating for 36 in adjacent area
 - k. Incorporate with popular reading, periodicals, and newspaper area.
34. Women #118..... 234 sq.ft.
 a. Remodeled in 2005 – ADAAG Compliant
35. Men #119 282 sq.ft.
 a. Remodeled in 2005 – ADAAG Compliant
36. Writing Help Desk #120 130 sq.ft.
 a. Important function to maintain near Academic Commons Area.
 b. Need space for two workstations.
37. Reference Collection #121..... 129 sq.ft.
 a. Former private study rooms (student areas)
38. Art Gallery Storage #122..... 124 sq.ft.
 a. Former private study rooms (student areas)
 b. In adequate space to meet the Gallery needs
 c. Lacks Climate Control for artwork
39. Art Gallery Storage #123..... 111 sq.ft.
 a. Former private study rooms (student areas)
 b. Inadequate space to meet the Gallery needs
 c. Lacks climate control for artwork
40. Reference Office #124 419 sq.ft.
 a. Underutilized space
 b. Doubles as a reference librarian's office
 c. Out of the main student study area – staff not visible
41. Stair #125 516 sq.ft.
 a. 3'-8" wide (48" clear without automatic sprinkler system)
 b. Not in compliance with IBC, Section 1007.3 minimum clear width between handrails.
 c. Hand rail configuration does not comply with ADAAG Section 505 – Handrails
 d. Guardrails are not in compliance with IBC Section 1013 – Guards
 e. Area of refuge not provided in compliance with IBC, Sections 1007.3 and 1007.6.

V. Analysis of Existing Facilities

C. Second Floor

1. Lounge #200..... 991 sq.ft.
 - a. Soft comfortable furniture – students frequently hang out in this area
 - b. Display case on west wall – high visibility
 - c. Elevator access from this area
 - d. Book lift in north wall is not used.
2. Conference #201..... 747 sq.ft.
 - a. Frequently used space for meetings and small classroom
 - b. Currently used for campus swing space
3. Storage #201A..... 60 sq.ft.
 - a. Not an accessible space.
4. Women's Lounge #202 194 sq.ft.
 - a. Underutilized space
 - b. Students use as a study area during finals week
5. Women #202A 144 sq.ft.
 - a. Not in compliance with ADAAG, Sections 603, 604, 606, and 609
6. Custodian #203 76 sq.ft.
 - a. Attic access ladder
 - b. 30" Door - not an accessible space.
7. Men's Lounge #204..... 239 sq.ft.
 - a. Underutilized space
 - b. Students use as a study area during finals week
8. Men #204A..... 144 sq.ft.
 - a. Not in compliance with ADAAG, Sections 603, 604, 605, 606, and 609
9. Instructional Technology Center #205..... 5,130 sq.ft.
 - a. Special Collections area for Education Department - Contains Children's Books and Curriculum Guides.
 - b. Heavily used area.
 - c. Education Department holds classes and study sessions. Would like a private area where they can all be together and not so spread-out for collaboration and instructional assistance.
 - d. Laptops are used for instruction and the area lacks sufficient power for classroom use.
 - e. VHS and DVD collections in this area. Takes up a lot of space and the VHS tapes are rarely used – opportunity to repurpose space.
 - f. Die-cut collection. Very popular with Education Students and has heavy public use. Improved space efficiency is needed. Separate work area from collection storage.
10. Storage #205A..... 154 sq.ft.
 - a. Paper storage for the Instructional Technology Center
 - b. Too small
 - c. Non-fire rated room utilized for storage is not in compliance with IBC.

V. Analysis of Existing Facilities

11. Duct Work #205B 204 sq.ft.
 - a. Storage for the Instructional Technology Center
 - b. Too small
 - c. Non-fire rated room utilized for storage is not in compliance with IBC.
 - d. Large/existing ductwork penetrates the center of room, impeding circulation and space usage.
 - e. Not accessible space with the existing ductwork in the center of the room.

12. Data Room #205G 64 sq.ft.
 - a. Two (2) doors into this room are both 30" wide – not accessible.

13. Office #206..... 201 sq.ft.
 - a. Resource Librarian
 - b. Need a layout table for production of large format materials for display cases and bulletin boards.
 - c. Need a window for visual connection to Instructional Tech. Center.

14. Office #207..... 128 sq.ft.
 - a. Narrow space (6'-11" wide) not designed for office use
 - b. Walls terminate below the ceiling – limited privacy and not able to secure.

15. Audio-Visual Preview #207A 470 sq.ft.
 - a. Underutilized space.
 - b. New technology makes this space and equipment not needed.
 - c. Conference table is used for study groups.

16. Instructional Tech Work Area #208 534 sq.ft.
 - a. Heavily used area
 - b. Not an accessible Space – Gate is only 2'-9" wide
 - c. Counter height is not in compliance with ADAAG.

17. Storage #208A..... 251 sq.ft.
 - a. Paper and material storage for the Instructional Technology Center.
 - b. Too Small, need more space for materials
 - c. Not on an accessible route.

18. Data Room #208B 254 sq.ft.
 - a. Not on an accessible route.

19. Staff Media Production #209 245 sq.ft.
 - a. Large format printing and laminating equipment for student, faculty, staff and public use.
 - b. Staff need access to production room from storage room where materials are stored.

V. Analysis of Existing Facilities

20. Computer lab Storage #210 399 sq.ft.
 - a. Underutilized space.
 - b. Paper storage and circulation path
 - c. Counter area not used
21. Computer lab Office #210A 326 sq.ft.
 - a. Door maneuvering clearance is not in compliance with ADAAG Table 404.2.4.1 – impeded by counter.
 - b. Underutilized space.
22. Computer lab #210B 538 sq.ft.
 - a. Too small for standard classroom use.
23. Computer lab #210C 343 sq.ft.
 - a. Students tend to use this room more often.
24. Staff Lounge/Conference #211 231 sq.ft.
 - a. Too small a space for entire staff meetings.
25. Kitchenette #211A 141 sq.ft.
 - a. Original 1956 equipment, cabinets and décor.
26. Book Stacks/Study #212 7,716 sq.ft.
 - a. Quiet study area
 - b. Limited power available on the south wall near study carrels.
 - c. Tight circulation around columns, some paths do not comply with requirements of an accessible route.
 - d. Two Display cases – Archive materials
27. Mechanical Penthouse Access #213 167 sq.ft.
 - a. Not an accessible route door is 30” wide and narrow ladder access to Penthouse.
28. Study Room #214 130 sq.ft.
 - a. Private Study Rooms – poor acoustics – not quiet spaces that the students want. Loud inside when groups are working inside. Can hear other groups next to them and in areas outside room. Space has glass walls and reflective surfaces.
29. Study Room #215 132 sq.ft.
 - a. Private Study Rooms – poor acoustics – not quiet spaces that the students want. Loud inside when groups are working inside. Can hear other groups next to them and in areas outside room. Space has glass walls and reflective surfaces.
30. Study Room #216 127 sq.ft.
 - a. Private Study Rooms – poor acoustics – not quiet spaces that the students want. Loud inside when groups are working inside. Can hear other groups next to them and in areas outside room. Space has glass walls and reflective surfaces.

V. Analysis of Existing Facilities

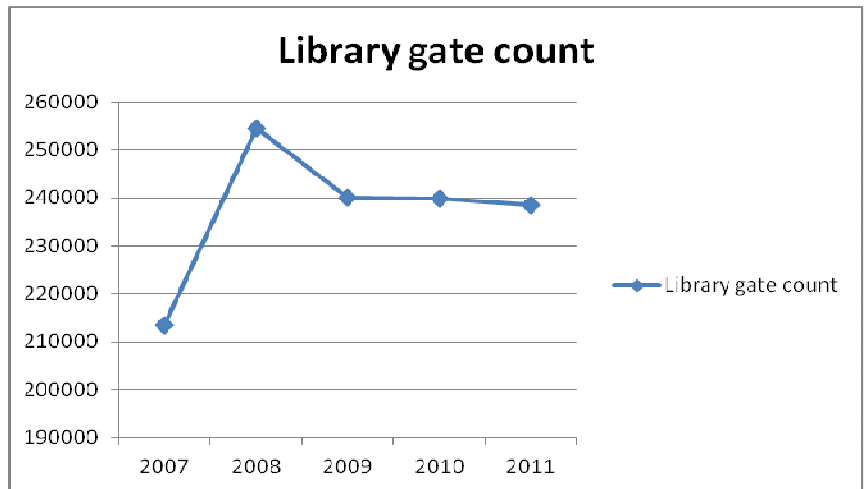
31. Study Room #217 115 sq.ft.
- Door maneuvering clearance is not in compliance with ADAAG Table 404.2.4.1.
 - Private Study Rooms – Poor acoustics – Not quiet spaces that the students want. Loud inside when groups are working inside. Can hear other groups next to them and in areas outside room. Space has glass walls and reflective surfaces.

V.C. Utilization of Existing Building

The graph shows the gate counts from 2007 through 2011. Note that the gate counts capture faculty, staff and other users of the Library as well as students.

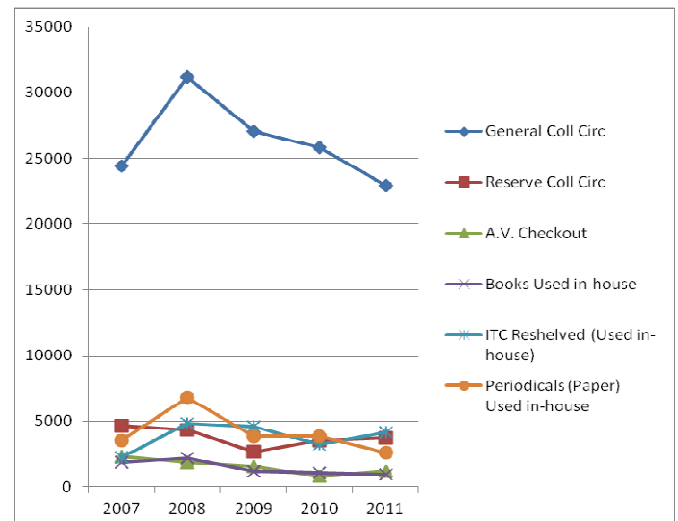
Assuming 32 weeks of instruction, the average gate count per student per week over the last five years is 3.24.

Average gate count per student per year the last five years is 104 times per year.



Collections Circulation:

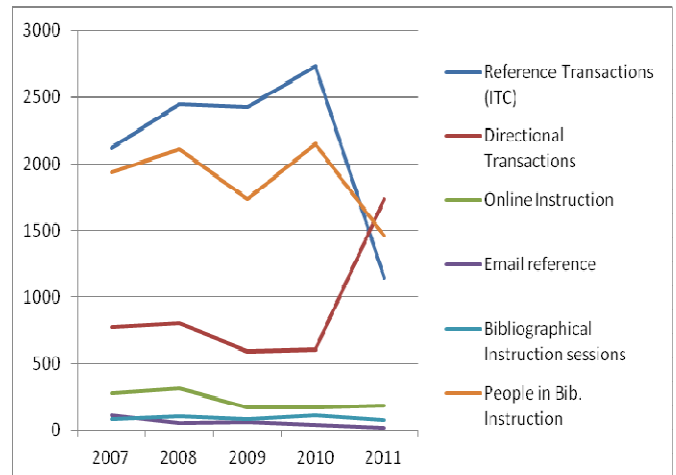
	2007	2008	2009	2010	2012
General collection circulation per student per year	10.61	13.56	11.75	11.24	9.96
Reserve Collection circulation per student per year	2.01	1.90	1.16	1.54	1.62
Books used in house per student per year	0.81	0.96	0.51	0.47	0.41
Paper periodicals used in house per student per year	1.53	2.96	1.67	1.66	1.15
Reference material used in house per student per year	0.97	2.12	2.00	1.41	1.81
TOTALS	15.95	21.49	17.10	16.32	14.95



V. Analysis of Existing Facilities

Reference Transactions:

	2007	2008	2009	2010	2012
Reference transaction per student per week	0.029	0.033	0.033	0.037	0.016
Reference transactions per student per year	0.92	1.06	1.05	1.19	0.50
% of students reached in bibliographic instruction	84%	92%	75%	93%	63%
% of classes using bibliographic instruction sessions	4.2%	5.0%	4.1%	5.4%	3.8%



V.D. Physical Deficiencies

1. General Deficiencies
 - c. All existing storage rooms are required to be one-hour fire rated. Many of the storage rooms are not fire rated.
 - d. The signage throughout the building is not in compliance with ADAAG 4.30.4 or 4.30.6
 - e. Poor acoustical design in study area.
 - f. HVAC equipment installed in the building ranges from 1955 to 1970. Equipment is past its useful life according to ASHRAE standards.
 - g. Mechanical insulation around the building has a high probability of containing asbestos.
 - h. The building is not equipped with an automated fire extinguishing system.
 - i. The building lacks adequate electrical power to accommodate current technology/device demands.
 - j. Many areas of the building are not in compliance with current building codes and ADA guidelines.
2. Electrical Deficiencies
 - a. The existing main switchboard is approximately 25 years-old and will need to be replaced to allow for new feeders to panelboards.
 - b. The panelboards are original to the building and replacement circuit breakers are unavailable. The panelboards will need to be replaced.
 - c. Some panelboards do not contain any room for future loads.
 - d. Existing light fixtures should be replaced with energy efficient fixtures, where ceilings are removed and replaced to accommodate HVAC installation.
3. Data Deficiencies
 - a. The campus data distribution point is centrally located in a server room in the building. There is a single point of failure for campus data distribution.
4. Mechanical Deficiencies
 - a. Mechanical equipment lacks humidity control.
 - b. Occupant comfort issues.
 - c. Mechanical systems do not conform to the energy code standards.
 - d. Thermostats do not have setback capability.

V. Analysis of Existing Facilities

- e. Demand-controlled ventilation not provided.
 - f. Piping insulation inadequate.
 - g. Building life safety is not up to code for a public facility.
5. Indoor Air Quality
- a. Air handlers currently modulate based on a mixed air temperature. With this operation it is highly likely that ASHRAE 62 ventilation standards are not being met. Occupant comfort issues.
 - b. Humidification control is not installed in the building to meet ASHRAE recommendations for occupant comfort.
6. Library Deficiencies
- a. Temperature and humidity control is crucial for libraries. No humidification control is currently installed. Very low or fluctuating relative humidity or temperature can lead to mechanical damage of artifacts (ASHRAE).
 - b. Airborne pollutants can cause damage to artifacts as well. A higher level of filtration is required.
 - c. According to ASHRAE standards, perimeter radiation and other sensible-only heating or cooling elements should be avoided because they can create local humidity extremes near collections.
7. Heating, Ventilation, and Air Conditioning
- a. Thermostats on the original side of the building are pneumatic and do not have night setback capabilities.
 - b. Pumps in the building are not connected to variable frequency drives (VFD).
 - c. Insulation on piping and ductwork is deteriorating and falling off.
 - d. Pneumatic control systems have had control panels switched to DDC over pneumatic.
 - e. Chilled water is supplied seasonally from the central utility plant. Dehumidification or cooling is not available when the chiller plant is not producing chilled water.
8. Plumbing and Piping
- a. Older floor urinals in the building are no longer allowed by code.
 - b. Backflow prevention issues on domestic water service to 'Jitters'. Coffee grounds are making their way to the drinking fountain a floor down.
 - c. Portions of piping are missing insulation due to age and deterioration.
 - d. Plumbing fixtures on the original side of the library are old and require more water usage per flush than allowed by the International Plumbing Code (IPC).

V.E. Programmatic Issues

1. Academic Goals
- a. Create an environment encouraging "student ownership."
 - b. Ensure more diversity of study spaces, individual and group; both private and collaboration areas.
 - c. Provide greater student access to tutors, reference and technical support staff in an area where references and technology are readily accessible.
 - d. Staff shall have a greater visible presence in the library without dominating "student ownership" of space.
 - e. Jitters Coffee – machines are too noisy and do not compliment the adjacent academic areas.

V. Analysis of Existing Facilities

2. Collection Deficiencies
 - a. Poor wayfinding
 - b. Portion of the existing collection had to be relocated into the basement and converted to a closed collection in 2010 to accommodate the Nordstrand Art Gallery on the first floor.
3. Instructional Goals
 - a. Increase faculty utilization and visibility in the Library and increase student's academic success.
 - b. Create an instructional space in the library which accommodates 30 students for a lecture or working in groups.
 - c. Convert the existing computer labs into technology labs that accommodate and can respond to the diverse and fast pace of today's technology.
 - d. Provide resources and spaces that support the classroom curriculum.
4. Archive Issues
 - a. Archival materials are currently collected and stored in various rooms throughout the Library. There is inadequate space for the Archives to be catalogued and managed as a useful accessible collection.

V.F. Replacement Cost of Existing Building

According to the "2012 Annual College Construction Report," the median square foot cost for Library buildings is \$343. The cost to replace the existing 70,800 GSF US Conn Library building in 2012 is estimated to be approximately \$24,284,400.00 exclusive of soft (Non-Construction) costs. This gross square foot figure does not include the proposed new 2270 square foot Main Entry Addition.

VI.A. Function and Purpose of the Proposed Program

Activity Identification and Analysis: The US Conn Library will continue to serve the campus and the region with instructional, research and general information needs with many programs of the current programs, services and amenities offered through the library today. The vision of the Library to enhance the Library's impact on learning excellence and student success requires six key elements, all of which require physical space in the Library.

- **Academic Commons.** The most dramatic change to library space we advocate is the creation of an academic commons. Such commons, now a standard feature of library renovations, provide a learning environment where students have ready access to librarians, information technology staff, and tutoring personnel.
- **Intentional Learning Space for Students.** Students call for more individual and group study space. They distinguished this need from space that provides staff assistance. Such space should be consciously designed to become autonomous learners, to take responsibility for and ownership of their own learning. Their need should certainly be met, but library renovations will have even more impact on learning if these spaces are thoughtfully designed to foster intentional learning.
- **The Learning Factory.** Common to the practice of every faculty member at WSC is the commitment to student success and to the refinement of pedagogies that will foster such success. The animating idea of the Learning Factory is to provide a College-wide base for fostering a research and development stance toward enhanced teaching and learning.
- **Instructional Space.** The Conn Library should provide some flexible space for classroom instruction, especially instruction aimed at highly engaged learning. Some faculty wish to teach in the library building because of easy access to library materials. This capability is highly desired by the Education Department, which is heavily dependent on the Instructional Technology Center on the second floor. Interest has also been expressed by the Art and Science Departments.
- **"Food for Learning."** Jitters has been a great success at the Conn Library. Thinking about its future in the library should focus on the community-building capacity of food and its ability to foster specific, desired learning behaviors.
- **Access to Collections.** Progressing from access to bibliographic information, then to access to the full-text of scholarly journals, and now to the access to books and textbooks, digital technology has fundamentally changed the landscape of teaching, learning, and scholarly communication over the last generation. Faculty members and students alike prize the ease of access and use of information in digital formats. There is every reason to believe that declines in the use of print books and journals will continue and indeed accelerate.

Some of these elements already take place in the Library but are not located or identified in a way to have the greatest impact on learning.

Swing Space. Consideration must be given to the long-established use of the library building for critically needed swing space, to accommodate renovation projects elsewhere on campus. Although not a primary function of the library, such space must be available, and it must figure in planning for the Conn Library or be provided in some other way.

VI. Facility Requirements & Impact of Proposed Project

Personnel Projections: The Library currently supports 20 staff and 32 part time student workers. Refer to the library staff list in section I.D. Programming Team.

Three (3) additional staff and three (3) additional part time student workers may be added in the future.

Holland Academic Success Center - In order to have a greater impact on learning excellence and student success, the students and college would like to see the Holland Academic Success Center integrated into the Library. This would bring three (3) staff and 27 peer tutors into the library building.

- Dorothy Weber, Director
- Beth Ann Sharer, Office Assistant
- Mary Mohl, Adjunct Faculty

Projected Enrollment/Occupancy: Below is the enrollment for the fall semester over the past ten years. Projections for the fall of 2012 show an increase in enrollment.

**FALL SEMESTER
Enrollment Summary**

Term	H E A D C O U N T					F T E		
	Total	Undergrad	Grad	On-Campus	Off-Campus	Undergrad	Grad	Total
Fall 2001	3,334	2,772	562	3,003	331	2,610	209	2,819
Fall 2002	3,237	2,666	571	2,940	297	2,520	220	2,740
Fall 2003	3,351	2,728	623	2,941	410	2,588	261	2,849
Fall 2004	3,412	2,696	716	2,847	565	2,565	346	2,911
Fall 2005	3,356	2,652	704	2,839	517	2,505	344	2,849
Fall 2006	3,415	2,648	767	2,857	558	2,503	365	2,868
Fall 2007	3,530	2,721	809	2,898	632	2,568	397	2,965
Fall 2008	3,584	2,781	803	2,944	640	2,618	365	2,983
Fall 2009	3,642	2,837	805	3,041	601	2,673	379	3,052
Fall 2010	3,571	2,856	715	2,992	579	2,689	333	3,022

VI.B. Space Requirements

A. BASEMENT

Square Feet

1. Network Distribution Rooms (2 each) 290 sq.ft.
 - a. Tunnel access for network cable distribution.
 - b. Adequate mechanical ventilation

2. Compact Shelving System – Library Collection 4000 sq.ft.
 - a. Must be able to accommodate 19,000 to 20,000 volumes.
 - b. Ease of access for staff, students and public
 - c. Bright and inviting space
 - d. Adjacent to study area

VI. Facility Requirements & Impact of Proposed Project

3. Microfiche Area..... 400 sq.ft.
 - a. Near Library Collection
 - b. Space for 10 large cabinets and 12 smaller cabinets
 - c. 2-3 readers
 - d. Adjacent to a library staff area for user assistance.
4. Instructional Area 800-1000 sq.ft.
 - a. Accommodate classes up to 30 students
 - b. Adjacent to library collection
 - c. Adjacent to other study area for breakout use
 - d. In compliance with the Nebraska Video conference Network requirements.
 - e. Athletic team(s) use for required library study hours.
5. General Storage 600 sq.ft.
 - a. Library, Holland and Technology Resource Center Shared Storage
 - b. Government Documents 4 – 4 drawer filing cabinets and 1 bookcase 36x12x72
 - c. Shelving for past years fiscal records – 24” deep - 20’
 - d. Small Work Table or Desk
 - e. Printer paper – area for 10 boxes
6. Custodial 200 sq.ft.
 - a. Custodial Supplies
 - b. Service Sink
7. Mechanical Room 1500-2000 sq.ft.
 - a. New water service for fire protection system
8. Electrical and Data Room..... 500 sq.ft.
 - a. Relocate the main electrical service entry into the building
9. Public Restrooms 600 sq.ft.
 - a. Men’s and Women’s ADA compliant
10. Archive Collection 1300 sq.ft.
 - a. Compact shelving system with room for collection to expand up to 3600 linear feet
 - b. Goldenrod / Wayne Stater: 40 linear feet (some requiring deeper shelving)
 - c. Collections already processed: 15 linear feet
 - d. Paper files and print / negative / slide collections to be processed: 150 linear feet
 - e. Video and audiotapes (10+ boxes)—will digitize in time, online / DVD/CD
 - f. Val Peterson—29 boxes (including audio tapes, photos) and 10 scrapbooks; plaques, awards, etc.: 35 linear feet; Books
 - g. Books (now in storage): 400 linear feet
 - h. Select periodicals (now in storage): 300 +/- linear feet
 - i. Black & Gold: 15 linear feet
 - j. Post cards: 3 linear feet
 - k. Robert F. Mattison Collection: Papers: 5 linear feet; Books
 - l. J.G.W. Lewis Collection: 5 +/- linear feet

VI. Facility Requirements & Impact of Proposed Project



- m. International Club: 3 +/- linear feet
 - n. Oral histories: 6 linear feet
 - o. Hahn school: 6 linear feet
 - p. Scrapbooks: 6 linear feet
 - q. Climate control for collection
 - r. Avoid area with wet piping above – leak concerns
11. Archive Workroom..... 300 sq.ft.
- a. Shelving and work tables to process collections
 - b. Equipment storage
 - c. Materials and Supply storage
 - d. Spizz / Spizzette / Panther: 15 linear feet
 - e. Filing cabinets: 3+
 - f. Shelves—75 linear feet
 - g. Space for supplies that won't fit on shelves—12+ square feet
 - h. 1 Table (90" x 42")
 - i. 1 Table (74" x 25")
 - j. 1 Desk (60" x 30")
 - k. 2 computers
 - l. Printer
 - m. Scanner
 - n. 2 Book trucks (37" x 18")
 - o. 4 Book trucks (29" x 16")
 - p. Audio processing cart (36" x 24")
 - q. Video processing cart (42" x 30")
12. Archive Reading Room..... 300 sq.ft.
- a. Researchers
 - b. Audiovisual viewing/listening area
 - c. Display area
 - d. 2 Tables (72" x 48")
 - e. 4 Filing cabinets (with lock)
 - f. Book cases with open grills and locks—75 linear feet
 - g. Scanner / copier
 - h. 2 computer terminals with AV playback
 - i. 1 x 2-shelf book truck (37"x 18")
 - j. Spizz / Spizzette / Panther: 15 linear feet
 - k. Alumni bulletins: 3 linear feet
 - l. College catalogs: 7 linear feet
 - m. Telephone directories: 1 linear foot
 - n. Map / blueprint case?
 - o. Audiovisual viewing
13. Archive Office..... 175 sq.ft.
- a. Desk (72" x 36")
 - b. 1 Table (48" x 20")
 - c. Computer
 - d. Printer

VI. Facility Requirements & Impact of Proposed Project

- e. Shelves—18 linear feet
- f. 1 filing cabinet
- 14. TRC Video Studio..... 500 sq.ft.
 - a. Green Room
 - b. Online course video taping
 - c. Student project video taping
- 15. TRC Computer Lab 300 sq.ft.
 - a. Computers with specialized graphic and video software
- 16. TRC Office..... 150 sq.ft.
- 17. TRC Training Lab..... 800 sq.ft.
 - a. 10 stations for faculty and staff training
- 18. Intentional Learning Areas for Students..... Maximize
 - a. Private study rooms – group study (Swing space offices)
 - b. Private study rooms – individual study
 - c. Open study area – tables and chairs
 - d. Open study area – Soft chairs and couches
 - e. Possible location of “Quiet” study area

B. FIRST FLOOR

- 1. New Main Entry 1200 sq.ft.
 - a. Iconic Function and tie two buildings together
 - b. Create better flow and eliminate congestion on first floor
 - c. Major circulation area to all floors – simplify wayfinding
 - d. Used by student/campus organizations
 - e. Meeting and gathering space
- 2. Circulation Area 450 sq.ft.
 - a. ADA accessible counter.
 - b. Support area to academic spaces
 - c. DVD collection
 - d. Laptop and tablet check-out area
 - e. Reserve collection
 - f. Does not need to make a “grand” statement
 - g. Space for two (2) student workers
 - h. 10’ Counter Area (worker’s desk)
 - i. Computer terminal, barcode scanner, printer, desensitizer
 - j. Phone
 - k. Locked Cash Drawer (under counter to replace cash register)
 - l. 18’ Cabinet underneath for Lost and Found
 - m. Drawer 20” under counter for area supplies – pens, paperclips, tape, staples, etc.
 - n. 2 Shelves under counter for supplies – forms, student manual, printer paper
 - o. Book drop bin
 - p. 2 Laptop Cases 5’L x 2’W
 - q. 2 DVD Cases 42”L x 22” W

VI. Facility Requirements & Impact of Proposed Project



- r. Counter Area Someplace other than circ (possibly at print station)
for staplers, 3-hole punch, paper cutter
 - s. Coat rack
 - t. Moveable (Wheels) shelving unit 6-7 feet tall
 - u. Reserve shelves 35 linear feet
 - v. Headphones 3 feet storage
 - w. Inter-library loan pick up area 3 feet
 - x. Book Sale area 4 feet
 - y. Desk - +2 guest chairs
 - z. File Cabinet
 - aa. Sm Bookcase 28w x 10d x 56h
 - bb. Table Workspace 63 x 30
 - cc. Library Cart
3. Jitters Coffee Bar/Food Service..... 1,500 sq.ft.
- a. ADA accessible counter
 - b. Coordinate layout and equipment requirements with food service vendor
 - c. Enclosed with glass curtainwall to reduce noise.
 - d. Near Main Entry – ease of access
 - e. Supports social dimension of learning.
4. Academic Commons 2,500 sq.ft.
- a. Student owned space – high visibility – near main entry
 - b. Seating for 100 students
 - c. Seating for 40 tutors with tutees
 - d. Four (4) computer print stations
 - e. One (1) network printer – print station
 - f. Computer Stations
 - g. Service coordination desk for reference, information, technology and tutoring staff.
 - h. Adjacent to Reference Librarian Offices
 - i. Adjacent to Holland Academic Success Center
 - j. Adjacent to Writing Help Desk
 - k. Adjacent to Computer Help Desk
 - l. Provide movable lockers – off-campus students secure personal items
5. Reference Librarian Office (2 each) 150 sq.ft.
- a. Adjacent to Academic Commons
 - b. High student visibility and access
 - c. Should not take command over space – support student space
 - d. 75 linear feet of shelf space
 - e. Desk, chair and guest chair
 - f. 4 person table w/ 2 chairs as a work/conference area
 - g. Filing cabinet
6. Restrooms 600sq.ft.
- a. Reuse existing ADA compliant Mens and Womens
 - b. Minor renovation of this area

VI. Facility Requirements & Impact of Proposed Project

7. Holland Academic Success Center Offices (3 each) 150 sq.ft.
 - a. Adjacent to Academic Commons
 - b. High student visibility and access
8. Writing Help Desk 150 sq.ft.
 - a. Adjacent to Academic Commons
 - b. High student visibility and access
9. Food for Learning Area 2400 sq.ft.
 - a. Inviting space
 - b. Comfortable seating area, over stuffed chairs, couches
 - c. Extension of Jitters seating
 - d. Current periodicals
 - e. New book displays
 - f. Popular reading materials
 - g. Feature display area and/or a display case
10. Nordstrand Art Gallery..... 1800 sq.ft.
 - a. Highly visible off new north entry
 - b. Link to the other art buildings on campus (Studio Arts and Peterson Fine Arts)
 - c. Exterior signage to assist with wayfinding
 - d. Create entry with Lobby area for receptions
 - e. Secure space
 - f. Flexible space – movable walls
 - g. Reuse existing LED track lighting
11. Nordstrand Art Gallery Storage 200 sq.ft.
12. Open Collection..... 2500 sq.ft.
 - a. Periodicals
 - b. Selected Collections.
 - c. DVD Collection, near circulation
13. Intentional Learning Areas for Students Maximize
 - a. Private study rooms – group study
 - b. Private individual study spaces
 - c. Open study area – tables and chairs
 - d. Open study area – soft chairs and couches
14. Mechanical and Electrical Room..... 150 sq.ft.
15. Custodial 100 sq.ft.
 - a. Custodial Supplies
 - b. Service Sink
16. Binding Workroom and Office 450 sq.ft.
 - a. 80% of periodical binding completed in-house
 - b. Bind for the campus faculty, staff, student theses and WSC Press
 - c. Office (150 sq.ft.)
 - d. Need a sink

VI. Facility Requirements & Impact of Proposed Project



- e. Flammable storage cabinet needed
 - f. Counter/tables for binding equipment (includes binder, paper cutter, jogger, computer, two printers)---13'
 - g. Two workstations - 6 feet each
 - h. Paper cutter---2'6" x 2'6"
 - i. Two storage cabinets---3 feet each
 - j. Corner rounder---15" x 15"
 - k. Space needs good ventilation for use of adhesives, melting glue and cleaners
 - l. 65 linear feet of shelves
 - m. 3-4 book cart with room to move
 - n. Filing cabinet
17. Administrative Office Suite 1000 sq.ft.
- a. Library Director's (200 sq.ft.)
 - 36 linear feet of shelving.
 - 1 vertical file cabinet (1.5' x 3')
 - 3' x 6' table and 4 chairs (a larger table might be nice - it would be good to have meeting space for up to 6-7 people)
 - 1 couch
 - 1 desk (I currently have a largely unused desk and a heavily used table/computer, but really should consolidate)
 - b. Office Assistant (150 sq.ft.)
 - 1 - Bookcase with 4 or 5 shelves 3'-4' long
 - 1 - 8 foot counter space
 - 1 - Book cart
 - 1 - Office chair
 - 1- 2 drawer file cabinet
 - 1 - 4 drawer file cabinet
 - 1 - desk 2 1/2' x 5' with 6 drawers
 - 1 - end table 18" x 18"
 - 1 - computer desk 2' x 3'
 - 1 - 8' counter space
 - 2 - 6' shelves
 - 1 - Visitor's chair
 - c. Staff Restrooms (2 each @ 50 sq.ft.)
 - d. Storage Room (300 sq.ft.)
 - 4 Drawer filing cabinet
 - 2 Drawer filing cabinet or 2-4 drawer
 - 10 book carts
 - Book Case or Shelving unit of some kind -- for Manuals, bookends, supplies, etc min. 15' of shelving
 - e. Workroom/Mail room (250 sq.ft.)
 - Desk – computer, scanner/printer, barcode scanner, phone
 - Work Table – 5'L x 42"W – to process the mail at

VI. Facility Requirements & Impact of Proposed Project

- Storage Unit – Closed cabinet with shelves – 36” X 24” X 72”
- Shelving unit – 32’ needed for boxes, envelopes, misc. supplies
- 2 – 4 drawer filing cabinets
- Book Cart
- Student mailboxes

C. Second Floor

1. Instructional Technology Center..... 2000 sq.ft.
 - a. **Refer to equipment and space needs at the end of this section.**
 - b. Heavily used area.
 - c. Production and Printing Room (250 sq.ft.)
 - d. Office (150 sq.ft.)
 - e. 3-Student workers and Material Check-out (750 sq.ft.)
 - f. Storage Room (200 sq.ft.)
 - g. Workroom (250 sq.ft.)
 - h. Die-Punch Collections. Very popular with education department students and has heavy public use. Separate work area from collection storage. (400 sq.ft.)
2. Special Collection – Education Department 1500 sq.ft.
 - a. Children’s Books and Curriculum Guides.
3. Instructional Space..... 1000 sq.ft.
 - a. Education Department will frequently use as classroom
 - b. Available to any faculty and staff to reserve space
4. Intentional Learning Areas for Students..... 1500 sq.ft.
 - a. Private individual study spaces (Swing space offices)
 - b. Open study area – tables and chairs
 - c. Open study area – soft chairs and couches
 - d. Provide a lot of power
5. Reference Librarian Office 150 sq.ft.
 - a. Requires high visibility from leaning areas of the ITC.
 - b. Desk, chair and guest chair
 - c. 4 person table w/ 2 chairs as a work/conference area
 - d. Library cart
 - e. Filing cabinet
 - f. Small bookshelf
 - g. Storage cabinet
6. Technical Services Workroom..... 1000 sq.ft.
 - a. Two(2) full time Staff and three (3) part time students – six workstations needed.
 - b. Need sink and work area for book binding.
 - c. Manage periodicals and update newspapers daily.
 - d. Need a lot of power
 - e. Provide a lockable cabinet for DVD’s.
 - f. 3 - small file cabinet
 - g. 1 – 36” cart

VI. Facility Requirements & Impact of Proposed Project



- h. 2 – 30” carts
 - i. 262 linear feet of shelving
 - j. 6 – 6 feet desk workspace (2 with cabinet above)
 - k. 3 - large file cabinets
 - l. 62.5' counter with cabinets underneath
 - m. 9' counter with lockable cabinet underneath
 - n. 8' counter raised about 39" high
 - o. 4 – 30” carts
 - p. 8 - 22” carts
 - q. 3 – 36” carts
 - r. 1 - 24" wall cabinet
 - s. 1 coat rack
 - t. 3 - 41" card catalogs
7. Technical Services Office..... 150 sq.ft.
- a. Shelving 72 linear feet
 - b. Desk
 - c. Work space 9 feet long, 29" high
 - d. 30" lockable cabinet
 - e. 1 - large file cabinet
 - f. 1 - small file cabinet
 - g. 4 - 30" carts
 - h. 1 - 36" cart
 - i. 1 - 22" cart
 - j. 2 chairs meeting area
8. Periodical Workroom..... 200 sq.ft.
- a. Computer/work space
 - b. Desk
 - c. Work table, minimum of 6 feet
 - d. Coat rack
 - e. Wooden “Hold” shelf, minimum of 30 inches
 - f. Sink
 - g. Open storage, minimum of 42 linear feet
 - h. Closed storage area next to work space for boxes, recycling, mending and other supplies, minimum of 50 linear feet
 - i. Room to navigate 3-5 book carts (2’4” long)
 - j. 2-3 office chairs.
9. Periodical’s Office 150 sq.ft.
- a. Desk, computer and work space---10 ft.
 - b. Filing cabinet---1’3” x 2’6”
 - c. Storage space, ½ open and ½ closed---36’
 - d. 1 office chair and 1 extra chair
 - e. Access to printer and photocopier
10. Restrooms 600 sq.ft.
- a. Mens and Womens
 - b. ADA Compliant

VI. Facility Requirements & Impact of Proposed Project

11. Custodian #203 75 sq.ft.
 - a. Attic Access Ladder
12. Staff Breakroom/Conference..... 650 sq.ft.
 - a. Kitchenette (140 sq.ft.)
 - b. Break and Conference Room
 - c. Staff mailboxes
13. Learning Factory 2500 sq.ft.
 - a. Learning Labs (2 each @ 1000 sq.ft.)
 - b. Storage (250 sq.ft.)
 - c. Office (150 sq.ft.)
 - d. Workroom (250 sq.ft.)
 - e. Data Closet (100 sq.ft.)
14. Mechanical/Electrical Room 200 sq.ft.
 - a. Duct chase
 - b. Electrical sub-panels
15. Open Collection..... 1000 sq.ft.
 - a. Selected volumes of literature
16. Academic Offices..... 600 sq.ft.
 - a. 3 full time staff
 - b. Workroom
17. Intentional Learning Areas for Students..... Maximize
 - a. Private study rooms – group study
 - b. Private study rooms – individual study
 - c. Open study area – tables and chairs
 - d. Open study area – soft chairs and couches
 - e. Possible location of “Quiet” study area (seasonal)

VI.C. Impact of the Proposed Project on Existing Space

Reutilization of Spaces – The project will reutilize, revitalize and make code compliant the existing stair towers, the existing ADA accessible restrooms on the first floor, custodial room on the first floor, the staff kitchen on the second floor, and the mechanical duct/pipe chases.

Demolition - A majority of the existing interior walls and floors and ceilings in the original 1956 building will have to be removed to accommodate asbestos abatement operations and correct non ADAAG compliant existing conditions. This necessity creates opportunity to better fulfill the programmatic space adjacency needs.

Renovation – The entire library building will be renovated to accommodate the new program. Refer to the proposed new floor plans in Appendix B.

Instructional Technology Center

Lamination Space



42" Laminator (shown on left)	5' x 2.25'
27" Laminator	3' x 2'
25" Laminator	2.75' x 1.5'
18" Laminator	2' x 1.5'
Pocket Laminator	2' x 1.5'

Production Printing



HP 800 designjet Plotter (shown on left)	5.15' x 3'
24" Printer HP 120nr	4'
7500 Laser Printer	3'
Color printer computer table	4'
Shelf (paper)	3'
Work space for color printing	9'
Large Paper Trimmer	6'

Workroom



Kraft roll dispenser (shown on left)	3.5' x 2'
Storage for extra rolls	5'

Button maker	2'	Paper/plastic binder storage shelves	9'
Electric binder	2'	Storage shelf (textbook box storage)	3'
Manual binders	4.5'	Yellow storage cabinet (paper storage)	3'
Label system	1.25'	Filing Cabinets	4'
DVD duplication supplies	3'	DVD duplication/ VHS conversion counter	10'

VI. Facility Requirements & Impact of Proposed Project

Video Equipment cabinet	3'	Paper cutter table	3'
Staff work space	7' x 9'	Student Workspace	6' x 9'
Student worker table	7.5'	Copy machine and table	7'
Opaque projectors	3'	VHS/DVD viewing space	7.5'
ITC front counter (Computer and production forms on top and craft supplies below)			16'
Die Cut system counter			21.5'
Die cut items, paper cutter and public computer table space			12.5'
Cabinet that holds paper (student worker mailboxes on top)			7'
Cabinet that holds completed lamination and paper			3'
Map case that stores poster board and construction paper			2.75' x 3.58'
Free textbook cart that stays in public area			2.5'

Storage Room

Bulletin boards (stored along wall)	4.5'
Lamination boxes	3'
Laptop cabinet that holds construction paper	5.16' x 2.16'
Screens	2'
Paper storage shelf2'Equipment shelving	14'
Paper storage shelf3'Paper/plastic bindersshelf	6'
Paper storage shelf3'Poster board storage	2.5'
Paper storage shelf	3'
DVD & VHS – #shelves 252	1,010 linear ft
Map drawer unit	3.37' x 4.92'
Tall map unit	3.5' x 2.33'
Music CD racks (4)	1.25' x 1.25'
Art stands	3.15' x 7.5'

VII. Equipment Requirements

VII.A. List of Available Equipment for Reuse

The following is a list of the furnishings and equipment that have been identified for possible reuse as part of this project.

Archives Department

- 4 Filing cabinets (with lock)
- 1 x 2-shelf book truck (37" x 18")
- Map cases (2)
- Shelves—75 linear feet - Can reuse shelving in Room 22
- 1 Table (90" x 42")
- 1 Desk (60" x 30")
- 2 Book trucks (37" x 18")
- 4 Book trucks (29" x 16")
- Audio processing cart (36" x 24")
- Video processing cart (42" x 30")

Circulation Area

- Student Desk
- 4 drawer filing cabinet
- 2 – 2 drawer filing cabinets
- 9 – book carts
- 2-3 Laptop cases
- 1-2 cd/dvd cabinets
- Tall wood bookcase
- Small table with student mailboxes
- Coat rack

Systems Librarian Office Furniture

- 2 drawer filing cabinet
- Small bookcase
- Work table

Inter-Library Loan

- Work table
- 2 - 4 drawer filing cabinets
- Storage cabinet
- Book-cart

Government Documents

- 4 - 4 drawer filing cabinets – (gov doc)

VII. Equipment Requirements

Administrative Office

- File cabinets
- All the file trays on my desk and counter
- Computer desk
- End table
- 2 - Office Chairs
- Desk
- Book cart
- Bookshelf

Administrative Office – Director

- Desk
- Desk Chair
- Conference Table with 4 chairs
- Vertical File Cabinet
- Couch

Instructional Technology Center

- 18" laminator + cart
- 25" laminator + cart
- 27" laminator + cart
- 42" laminator
- Pocket laminator + cart
- Button maker + Circle cutter + cart
- 6 - Book Carts
- 4 - Binding Machines
- Electric Binding machine + cart
- 3 - large cabinets (metal w/ doors)
- - filing cabinets
- 2 - rolling filing cabinets
- Advanced rotary cutter
- 2 - Paper Cutters
- HP designjet 120nr
- Xerox 7500 color printer
- HP designjet 800 (large printer)
- 3 - Equipment Carts
- Map case cabinet (for paper)
- Laptop cabinet (holds paper)
- Cash register

VII. Equipment Requirements

- 2 - Accucut Die Cut Machines
- Ellison die cut machine
- 13 - Shelving Units for Die Cuts
- Die Cut Collection
- Big Shot Embosser
- P-touch XL professional labeling system
- Large white board
- 3 - DVD players
- 10 - Cassette Players
- 4 -TVS
- 3 -DVD/VHS player
- 2 - VHS player
- 2 - TVs + tall cart
- 3 - Overhead Projectors
- 2 - Overhead Projectors + tall cart
- 5 - Slide Projectors
- 2 - Opaque Projectors
- 4 - LCD projectors
- 6 - Large projector screens
- Large rollout map
- DVD shelving (extra)
- 2 - Wood shelving (narrow for supplies)
- 4 - Record Player
- Large rolling paper cart
- Nikon camera
- 8 - Digital voice recorders
- 3 - Flip cameras
- 2 - Sony digital camcorders
- 9 - Sony digital cameras
- 6 - Metal Shelving units (to hold supplies 3')
- Counter/cabinet (7')
- 7 - Tables for color printing room
- Swingline 270 electric stapler
- Copy Machine
- Wooden Shelves (holds paper/supplies)
- 4' counter in 208A
- 6' counter in 208A
- Kraft paper cart
- Demagnetizer (for VHS + cassette tape)
- Music CD spinning rack (extra)

VII. Equipment Requirements

- Coat Rack
- 3 - Boom box/cassette recorder
- Stereo Amplifier
- Stereo Tuner
- CD to CD recorder
- Cassette Duplicator
- DVD recorder

Office - Reference Librarian

- Wooden storage cabinet
- File cabinet
- 3 shelf bookcase
- 4-person table w/ 2 chairs
- Book Cart

Office - Reference Librarian

- Table (adjusted to accommodate my height)
- Desk
- Shelves
- Office chair
- Chair for appointments
- 2 - Book carts
- Bulletin board
- 75 linear feet - shelving

Periodicals Department

- 1 wooden desk
- 1 metal desk
- 1 computer table
- 4 work tables; 1 formica (6' long) and 3 wood (7 ½' long)
- 1 coat rack
- 1 wooden 3-shelf cart
- 3-section shelving unit
- 2 metal filing cabinets
- 1 metal storage cabinet with doors
- 1 wooden storage unit (5' x 1 ½' x 6')
- All binding equipment

Technical Services Department

- 72 ' shelving

VII. Equipment Requirements

- 30" lockable cabinet
- 1 large file cabinet
- 1 small file cabinet
- 4 - 30" carts
- 1 - 36" cart
- 1 - 22" cart
- 6' work space 29' high with cabinet above
- 6' to 7' work space 27" high
- 1 - Small file cabinet
- 1 - 36' cart
- 2 - 30' carts
- 262' shelving

Technology Resource Center

Offices

- 3 - PCs & monitors
- 3 - Desk units
- 6 - Desk chairs
- 2 - Upholstered casual chairs
- Storage cabinet
- 2 - Bookshelves
- 3 - Telephones

Multimedia Lab

- 8 - PCs & monitors
- Scanner
- Color laser printer
- Monochrome laser printer
- Large-format plotter printer
- 5 - 2-person tables
- 3 - Work tables
- 10 - Desk chairs
- Large-format rotary paper trimmer
- Multi-CD/DVD duplicator

Video Production Room

- Green screen and frame
- Video equipment – cameras, lights, tripods, microphones
- Video editing computer station

VII. Equipment Requirements

Training Room

- 8 - PCs & monitors
- 20 - Desk chairs
- 12 - 2-person tables
- 3 - Room divider panels
- 7 - Telephones
- Laser printer/copier/fax
- 2 - Rolling tables
- Storage cabinet
- Electronic projection screen
- Digital projector
- 2 - IP video codec units w/ carts and flat-screen monitors

TRC Checkout Equipment

- 8 - Notebook computers
- 3 - Digital projectors
- 4 - Audio recorders
- 3 - Digital proctors
- 3 - Video cameras
- 3 - Digital still cameras

Other

- Flat-screen information kiosk
- 2 - Couches
- 2 – Overstuffed chairs
- 2 – Lamps
- 3 - Casual tables in lobby

Library Equipment - General

Public Spaces

- All microfilm machines and cabinets
- Soft furniture that remains in good condition at the time of construction
- Several dozen wooden chairs and tables (these will be used in the basement and 2nd floor areas)
- Some open stack shelving as needed
- Computers, printers, and other equipment where the current technology is of recent vintage.
- Study carrels

VII. Equipment Requirements

Lower Level

- Wall clocks
- Book bin
- Small tables for computer, typewriters, etc.
- Recycle and garbage dispensers

First Floor

Lobby Area

- Two-sided announcement holder at entry
- Suggestion box
- Brochure rack
- Recycle and garbage dispensers

Great Plains room

- Glass display case (2)
- Roll-top desk and chair
- Old radio (antique)
- Newspaper racks with rods

Reference area

- Atlas shelf
- Empty shelves by Cathy's corner
- Small tables for plants
- Stepping stools
- Small tables (study carrels) for stacking used periodicals
- General reference shelving
- Current periodical wall units
- Coffee table to go with soft furniture
- Tables for microfilm machine, scanner, computer, etc.
- Recycle and garbage dispensers

Print Area

- Tall wood tables for print stations
- Tables for printers
- Short table for houseplant
- Ready Reference shelving
- Recycle and garbage dispensers

Back Stairs Area

- Coat rack
- *Wayne Stater* newspaper holder

VII. Equipment Requirements

Second Floor

Main stairs

- bulletin board

Kitchen

- Coffee maker
- Microwave
- Clock on wall
- Garbage dispenser

Stacks

- Clock on wall
- Book bins
- Recycle and garbage dispensers

Seating Area at top of main stairs

- Coffee table to go with soft furniture
- Bulletin boards

Study Area northeast of front stairs

- Tall stool

Building Equipment

- Fire Alarm Horn Strobes

Nordstrand Visual Art Gallery

- LED Track Light Fixtures

Holland Academic Success Center

- 4 - 4 Shelf bookshelves
- 3 - 2 Shelf bookshelves
- Desk, L-shaped black with dark walnut veneer top
- 2 - Desks, rectangular black with light wood grain top and brown with dark wood grain top
- 7 - File cabinets, black metal 4 drawer file cabinets
- 2 - File Cabinets, black metal 2 drawer file cabinets
- Storage unit, tall black metal storage cabinet

Tutor Room Tables and Chairs:

- 4 - 60x29.5
- 5 - 41x29.5
- 59" diameter round
- 35.5 diameter round
- 37.5 square
- 20 - Dark blue chairs, padded backs and seats

VII. Equipment Requirements

VII.B. Additional Equipment

The furnishings and equipment budget for this project is based on 2.5% of the construction budget. The proposed budget includes refinishing some of the existing library furnishings for reuse in designated areas mainly on the lower level and on the second floor. New furnishings will be used for the first floor and new technology based equipment will be added throughout the facility.

VIII. Special Design Considerations

VIII.A. Construction Type

The roof of the 1956 building is a wood framed structure on top of a concrete slab. The rest of the building meets the classification of Type IIB – Noncombustible. We have interpreted the existing concrete slab as creating a fire separation. The State Fire Marshal has indicated that if a two hour fire separation can be established between the attic and the remainder of the building then it can be classified as a Type IIB if this requirement cannot be met to the satisfaction of the State Fire Marshal's office they will require the building be classified as a Type IIIB due to the wood framing.

VIII.B. Heating, Ventilation and Cooling Systems

The HVAC system shall meet the owner's intent for the following:

- Reliability
- Redundancy
- Maintainability
- Energy Efficient – Meets ASHRAE standard 90.1
- Indoor Air Quality meets ASHRAE 62.1
- Meets governing codes and standards

The relevant codes and standards are:

- ASHRAE Handbooks and Standards – American Society of Heating, Refrigeration and Air Conditioning Engineers
- American National Standards Institute (ANSI) Standards
- International Mechanical Code (IMC)
- International Plumbing Code (IPC)
- National Fire Protection Association (NFPA) Codes
- All codes and standards as established by Wayne State College.

Listed below are the design criteria that will be utilized during the design of the facility.

- ASHRAE 0.4% weather data:
 - Winter Dry Bulb Temperature: -8.5°F
 - Summer Design Dry Bulb / Wet Bulb Temperature: 94.6°F / 74.4°F
- ASHRAE extreme annual weather data:
 - Winter Dry Bulb Temperature: -14.1°F
 - Summer Dry Bulb Temperature: 99.6°F
- Indoor Design Conditions
 - Winter Dry Bulb Temperature: 73°F
 - Summer Dry Bulb Temperature: 74°F
 - Ventilation rates per ASHRAE 62.1
 - Noise Criteria: NC<20
 - Relative Humidity for Archives will be maintained at 50% ±5

System Overview:

- A four-pipe chilled water/ hot water distribution system will be utilized. Two central air handling units will provide tempered air to terminal units with reheat. Steam and chilled water from the central utility plant will be utilized. A shell and tube heat exchanger will be used to generate the heating hot water. Air handling units will be 60% redundant while the heating system will be 100% redundant. A central energy recovery ventilator (ERV) will be utilized to pre-treat outdoor air to the central air handlers. Each air handler will have 100% economizer operation available.

Heating System:

- Initial heating of the air supplied to the building will be done at the central air handling units. Final tempering of supply air will be accomplished through the terminal unit re-heat coils. The set point of terminal units will be controlled by zone digital thermostats. Occupants will be able to over-ride occupancy settings for durations up to 2 hours and be able to adjust the set point within 3° of the owner specified set point.
- Steam from the central utility plant will be supplied to 100% redundant shell and tube heat exchangers. Redundant variable frequency drive (VFD) will control the hot water circulation pumps that will be utilized to circulate heating hot water to terminal unit reheat coils. All control valves on the heating side will be two-way modulating valves. Steam condensate from the building will be pumped back to the central utility plant through the use of a duplex condensate pump. A solution of 40% glycol will be utilized to prevent freezing of heating hot water pipes.
- Steam humidifiers will be installed to allow for humidification of the building to control relative humidity.

Cooling System:

- Initial cooling of the air supplied to the building will be done at the central air handling units. Terminal units will modulate to provide the required amount of air to temper the zone to set point. Terminal unit minimums will be set to insure ventilation requirements are met during operation of the system.
- Chilled water will be supplied from the central utility plant. No pumps will be required as the central utility plant has plenty of pumping capacity to circulate the chilled water.
- As an added option, an evaporative chiller can be installed to allow the library to provide dehumidification and cooling when the central utility plant is not generating chilled water. This chiller would have future ice making capabilities.
- Reheat coils can be operated in the summer to allow for dehumidification.

Air Handling System:

- Central air handlers (AHU-1,2) will utilize a chilled water coil only. Heating of the ventilation air will be handled by the dedicated outdoor air unit. Air handlers will be 60% redundant to allow for operation of the facility should one air handler go down. Return air fans will be utilized to return air back to the air handler. The original 1956 building and the 1970 building addition will have separate redundant AHU systems.

VIII. Special Design Considerations

- A central energy recovery ventilator will provide energy recovery from exhaust air and relief air leaving the building for each side of the Library. This air will interface with a recovery media that will transfer energy to/from the incoming outdoor air depending on the season. Final tempering of the outdoor air will be completed through the use of a heating hot water coil and chilled water coil within an air handler located on the roof (AHU-3). The ERV unit will have a bypass to allow for 100% economizer of the building to happen. All fans will be driven by a VFD.
- Each air handler will have a ducted return to the unit. Ducted return will increase occupant comfort over the currently installed plenum style return.

Building Management System:

- The building will have a building management system (BMS) installed by Johnson Controls to interface with the campus Metasys system. Each terminal unit will have a zone thermostat to control airflow and reheat capabilities.

Indoor Air Quality:

- CO₂ sensors will be utilized for demand controlled ventilation. Sensors will indirectly indicate the building occupancy to control how much ventilation is supplied to the building.
- ASHRAE 62.1 ventilation rates will be followed for the occupancy types in the building. This will work integral with the CO₂ sensors in the building.
- Dehumidification and humidification control will be implemented to control building conditions to ASHRAE standards. This will prevent damage to archives in the library. We are working with WSC to broaden their chilled water availability to ensure that we meet these conditions.

VIII.C. Life Safety/ADA

Fire Alarm System:

- The existing Siemens MXL fire alarm panel is approximately 4 years old and will be reused.
- The existing fire alarm devices that meet code will be reused as part of this project. New fire alarm notification and initiation devices required will be provided to meet NFPA and ADA requirements and to accommodate the revised building layout. These devices will be connected to the existing fire alarm system.
- Elevator fire alarm recall will be provided to meet current elevator fire alarm requirements.

Fire Protection System:

The entire building will be protected with an automatic dry pipe sprinkler system in compliance with NFPA 13. A dry pipe system was selected as a means of protection for the many collections housed at the library including; books, printed collections, archives and artwork.

Accessible Design:

The US Conn Library renovation will be in compliance with the accessibility requirements of the 2012 International Building Code and the 2010 Americans with Disabilities Act and Architectural Barriers Act

VIII. Special Design Considerations

Accessibility Guidelines. Refer to Section V – Analysis of Existing Facilities for current building elements that do not meet accessibility requirements, which include but not limited to the main entry vestibule, the elevator, all stairs, the circulation desk, most restrooms throughout the facility and maneuvering clearances at many doors.

VIII.D. Historic or Architectural Significance

Colleges and universities have long used their library buildings to signal the way learning excellence defines them as institutions. Libraries celebrate learning, and they are sited to underscore how the entire campus centers on the life of the mind. Libraries are grand spaces because learning is humanity's grandest enterprise.

The Library building has a well documented historic significance on campus but is not considered to be architecturally significant. There is wide-spread dissatisfaction with the brutalist style 1970 addition as it relates to the original 1956 library building and the adjacent period buildings on campus.

A goal of this project is to create a new entry with an iconic image and architectural significance to affirm that the library is a foremost place of learning where the College honors student success and learning excellence.

VIII.E. Artwork

The project budget includes 1% for artwork as required by the State of Nebraska since 1978. The Art Selection Committee established for the project will determine the criteria for suitable locations, art forms, and artist eligibility.

VIII.F. Phasing

The Library building must remain fully operational during construction; therefore the project has been divided into 6 phases. Those six phases have been divided into 3 bid packages to accommodate funding allocations over three fiscal years. Refer to the proposed phasing plans in Appendix C.

Phase I – Lower Level 1956 Building

- To help mitigate costs associated with the relocation of the existing collections Phase I includes remodeling the existing north lower level to accommodate 19,000 to 20,000 volumes on compact shelving and study space.
- Install the new Mechanical/Electrical building systems equipment and make temporary connections to the existing ductwork to back feed the existing building until replacement work is completed in later phases.
- The Technology Resource Center will have to be relocated prior to the start of Phase I construction.

VIII. Special Design Considerations

Phase II – Lower Level 1970 Building and First Floor 1956 Building

- Once the main collections have been relocated to the new compact shelving in the lower level, other areas of the building can be cleared for construction.
- Install the compact shelving for the Archives collection. Completion of the archive area will allow other areas of the building to be cleared for construction.
- By code two-thirds of the building entries/exits must be accessible. A new accessible entry planned on the north end of the building will be completed in phase II. The new accessible entry allows for the existing main entry to be closed for remodeling.
- The First floor of the 1956 building is the proposed new location of the Nordstrom Visual Art Gallery. Completion of the new art gallery allows for the existing gallery to be repurposed in Phase III.
- The south terrace is also scheduled to be completed as part of phase II and provides a temporary access, allowing Jitters Coffee/Food service to remain open during construction.

Phase III – New Main Entry Addition with New Elevator and First Floor 1970 Building

- The new main entry and elevator will be constructed at the location of the existing entry. The new entry will extend to all three levels.
- The existing south exterior wall will be modified to accommodate larger window openings to open the building up to the pedestrian corridor.
- The main level will be transformed into an academic commons, reflecting the paradigm shift of the library function.

Phase IV – Second Floor 1956 Building – North End

- Instructional Technology Center will be moved to the second floor of the 1970 building during the renovation.

Phase V – Second Floor 1956 Building – South End

- Renovation of the existing computer labs and conference room into the technology enriched “Learning Factory” and remodeling of the existing restrooms for ADA compliance.

Phase VI – Second Floor 1970 Building

- Instructional Technology Center will be moved back into its remodeled area, allowing for the second floor of the 1970 building to be renovated.

VIII. Special Design Considerations

New mechanical systems will be installed in space newly assigned to them, they can be installed before shutting down existing equipment. As additional terminal units are installed, existing ductwork and equipment can be removed. Asbestos mitigation will need to take place in areas where work is to be completed before work is started.

Asbestos mitigation work will be completed following the same phase sequences.

VIII.G. Future Expansion

The proposed addition and renovation project meets the current and immediate program needs for the US Conn Library building. There are no plans for expanding the Library building in the near future after this proposed project is completed. Print collections are unlikely to grow significantly and will not, as in the past, displace readers. In the long term, the print collections may become smaller, making it possible to accommodate more readers and possible enrollment growth.

VIII.H. Electrical

Distribution

- A new 480/277-volt, 3-phase, 4-wire electrical service and switchboard will be provided. The service entrance switchboard will have surge protection and power factor correction. The service will be metered so it can be monitored by the building management system.
- New panelboards will be provided throughout the building to serve lighting and receptacle loads. New panelboards will be provided to serve new mechanical equipment. Panelboards will have copper busses and a minimum of 20 percent spare capacity.
- In a recent library survey one of the top comments from faculty, staff and students was that facility in general lacks adequate duplex receptacles for powering equipment, computers, and mobile devices. It is common to find furniture rearranged to be closer to a receptacle or a cell phone left charging. Receptacles will be added to allow students to charge batteries and work on laptop computers with greater convenience.
- General purpose 120-volt duplex receptacles will be provided throughout the building.
- Adding USB charging stations will be evaluated during design.

Lighting and Controls

- New light fixtures will be T8 fluorescent or LED.
- Lighting controls will be provided to meet the Energy Code. Occupancy sensors will be utilized for offices and conference rooms and relay control panels will be used for open areas.
- Tasking lighting will be considered and provided as appropriate.

Generator

- A diesel generator will be installed along with a life safety transfer switch to serve emergency and exit lighting.

VIII. Special Design Considerations

- An equipment transfer switch will be provided and the panelboard serving the IT server room will be put on the emergency generator power.
- Additional loads that will be powered by the emergency generator will be coordinated with the College.

Data, Phone, and Television Systems

- Data controllers and routers will be provided so the College can provide wireless internet access. Hardwired data outlets will also be provided. A 1" conduit will be routed from each data outlet to above an accessible ceiling. New cable tray or j-hooks will support the cable routed to the data racks.
- New data outlets will consist of category 6 cable and jacks.
- Television outlets will be provided at television locations.
- The server room will be changed from one central room to two rooms, located in the lower level northwest corner near the existing tunnels for access. One located at the northwest corner and the northeast corner of the building. Both areas are adjacent to the existing tunnels for data distribution to the campus. The fiber optic distribution would be design so there is a redundant loop to facilitate options for future fiber deployments.

VIII.I. Sustainable Design/Energy Conservation

The following architectural sustainable design and energy conservation features will be implemented in the design;

- Building Reuse.
- Exterior Envelope - Upgrade all exterior walls with Z-furring and 3 inches of rigid insulation to the interior of all walls for an average **R-17**.
- Windows - Upgrade to 1 inch insulated glass with Low E coating at existing storefront aluminum framing systems, and replace existing windows with energy efficient Next Generation aluminum window. Heat Loss **U-.34**
- Remove existing non sustainable design elements at the entry of the 1970 building addition, including the brick masonry retaining walls and exterior roof drains that freeze.
- Provide more daylighting features; enlarge windows on the south side of the building, introduce tubular daylighting devices
- Materials selection will be based on performance and sustainable characteristics including; renewable materials, low-emitting and recycled content.

In order to save energy and meet the International Energy Conservation Code (IECC) the following HVAC system features will be implemented in the design;

- Variable speed pumping for the heating hot water and chilled water systems.
- 100% economizer and variable air volume (VAV) air handlers (AHU-1,2)
- VFD's on supply and return fans in AHU-1,2
- Exhaust Air Energy Recovery / Energy Recovery Ventilator

VIII. Special Design Considerations

- 100% dedicated outdoor air unit
- Duct insulation and piping insulation in accordance with IECC
- Programmable / Monitored Thermostats with occupancy over-ride
- CO₂ sensors for reduced ventilation air during times of low occupancy

In order to save energy and meet the International Energy Conservation Code (IECC) the following mechanical plumbing system features will be implemented in the design;

- All components of the plumbing system will be replaced during the renovation with new energy conserving fixtures.
- The central hot water heater will be replaced with a circulating domestic hot water system.
- Sanitary piping and venting will be replaced. New design will follow the IPC.

In order to save energy and meet the International Energy Conservation Code (IECC) the following electrical system features will be implemented in the design;

- Lighting controls that shut off light fixtures when a room is vacant by using occupancy sensors will be provided in small rooms such as offices. Lighting selected for large open areas will be shut off after a predetermined time by using programmable relay panels.
- The lighting power density will be designed to be less than or equal to 1.3 watts/square-foot.
- Light fixtures utilizing LED technology will be evaluated for use in areas where fluorescent light fixtures would typically be used.

VIII.J. Structural

Existing floors throughout the entire building are known not to be level. A contractor, who has completed several projects at the library building, indicated that the first floor of the 1970 building addition varies in overall thickness and should be reviewed as part of this project.

It is the intention of the project to use the existing attic of the 1956 building as a mechanical room. An analysis of the existing 4 inch concrete slab and associated structural system will be required to verify the existing structure can support the loads of the mechanical equipment.

The two partial stairs abandoned in place in the lower level, south end of the original 1956 building will be removed as part of this project to gain 236 square feet of net usable space.

There is 295 square feet of unexcavated space in the lower level, between the south wall of the original 1956 building and new north wall of the 1970 building addition. The wall will be removed to open up the area between the two buildings for better flow of space, improved wayfinding and visible transparency.

VIII. Special Design Considerations

VIII.K. Asbestos Removal

A comprehensive Site Investigation Report has not been prepared at this time. Several materials containing asbestos in both the 1956 building and 1970 building addition have been identified, including the asbestos formed ductwork in the original building, vinyl floor tile in both buildings, pipe and ductwork fittings and insulation, and possible window glazing mastics.

Asbestos mitigation work will be completed as part of the project and the removal will be completed with each construction phase.

IX. Project Budget & Fiscal Impact

IX.A. Cost Estimates Criteria

The budget was prepared in April of 2012, using cost data from similar recent projects in the region, the 2012 RS Means Building Construction Cost Data, the 2012 College Construction Report and current market pricing obtained from local material suppliers. These opinions represent our best judgment as a design professional familiar with the construction industry. However, we cannot and do not guarantee that the bids or construction costs will not vary from these opinions of probable costs. We, as Architects, have no control over the cost of labor, materials or equipment or over the Contractor's method of determining prices; or over the competitive market conditions at the time of bidding, which can vary from day to day.

A 4% annual inflation rate was applied to the budget numbers to project phasing costs.

Gross Square Feet (GSF) – Including Proposed New Main Entry Addition

Lower Level =	23,520	
First Floor =	24,306	
Second Floor =	24,200	
Attic 1956 Building =	13,625	
Penthouse =	<u>1070</u>	
Total Gross Square Feet (GSF)		86,721

Net Square Feet (NSF)

Lower Level =	15,595	
First Floor =	17,354	
Second Floor =	18,856	
Attic 1956 Building =	0	
Penthouse =	<u>0</u>	
Total Net Square Feet (NSF)		51,805

Total Estimated Construction Cost	\$15,982,960.00	\$184.30/GSF
Total Estimated Project Cost.....	\$18,098,127.00	\$208.69/GSF

IX.B. Total Project Cost and Detailed Project Cost

A. Programming	
1. Programming Professional Service Fee	\$68,500.00
B. Professional Fees	
1. Design Fees	\$1,344,167.00
2. Topographic Site Survey	3,500.00
3. Geotechnical Soils Testing	2,500.00
C. Other Project Costs	
1. Printing.....	\$11,500.00
2. Moving and Relocation	125,000.00

IX. Project Budget & Fiscal Impact

3.	Nebraska State 1% Art	160,000.00
4.	Movable Equipment	50,000.00
5.	Technical Equipment	50,000.00
6.	Furniture	<u>300,000.00</u>
	SUB-TOTAL	\$2,115,167.00

CONSTRUCTION

D. Site Work

1.	Earthwork.....	\$35,000.00
2.	Sidewalk Replacement.....	20,000.00
3.	Termite Control.....	1,600.00
4.	Site Surveying/Staking	4,500.00
5.	Landscaping/Sodding/Seeding.....	12,500.00
6.	Lawn Sprinkler Repair	<u>5,000.00</u>
	SUB-TOTAL	78,600.00

E. New Main Entry Addition

1.	Lower Level (470 SF x \$77).....	\$36,190.00
2.	First Floor (1,523 SF x \$154).....	234,542.00
3.	Second Floor (1,273 SF x \$124).....	157,852.00
4.	Roof Access (325 SF x \$77).....	25,025.00
5.	Electrical (3591 SF x \$21.50)	77,206.00
6.	Mechanical (3591 SF x \$28.00)	100,548.00
7.	Fire Protection System (3591 SF x \$2.50)	8,978.00
8.	Terrace, Ramp and Stairs (3010 SF x \$80)	<u>240,800.00</u>
	SUB-TOTAL	881,141.00

F. New North Entry

1.	Stairs Ramp and Stoop (775 SF x \$80)	<u>62,000.00</u>
	SUB-TOTAL	62,000.00

G. Existing Building Renovation

1.	Lower Level (23,050 SF x \$117).....	\$2,696,850.00
2.	First Floor (20,750 SF x \$117).....	2,427,750.00
3.	Jitters Coffee Shop (1,390 SF x \$120)	166,800.00
4.	Second Floor (22,927 SF x \$117).....	2,682,459.00
5.	Electrical (68,760 SF x \$21.50)	1,478,340.00
6.	Mechanical (68,760 SF x \$28.00)	1,925,280.00
7.	Fire Protection System (83,455 SF x \$2.50)	<u>208,640.00</u>
	SUB-TOTAL	11,586,119.00

H. Equipment

1.	Compact Shelving Systems	\$549,285.00
2.	Conveying System.....	<u>92,000.00</u>
	SUB-TOTAL	641,285.00

IX. Project Budget & Fiscal Impact

I.	Other Construction Costs	
1.	Special Inspections and Testing	\$25,000.00
2.	Builder Risk insurance	20,000.00
3.	Performance Material, labor, payment Bond (1.2%).....	189,520.00
J.	Overhead and Profit – 8%.....	\$1,063,530.00
K.	Contingency – 10%	\$1,435,765.00
	SUB-TOTAL	<u>2,733,815.00</u>
	TOTAL ESTIMATED CONSTRUCTION COST	<u>\$15,982,960.00</u>
	TOTAL ESTIMATED PROJECT COST	<u>\$18,098,127.00</u>

IX.C. Fiscal Impact based upon First Full Year of Operation

The Estimated Operational and Maintenance Costs per Year will be reduced based on the following building system upgrades.

Architectural Systems:

Exterior walls:

- Existing exterior wall construction is a non-insulated masonry system, consisting of a brick veneer with 8 inch concrete block painted on the interior. **R-2**
- Upgrade at exterior walls includes adding Z-furring and 3 inches of rigid insulation to the interior of all walls. **R-17**

Glazing Systems:

- Existing exterior glazing is non-thermally broken aluminum framing system with single pane glass. Heat Loss of **U-1.14**
- Upgrade to 1 inch insulated glass with Low E coating at existing storefront aluminum framing system and replace existing windows with energy efficient Next Generation aluminum window. Heat Loss **U-.34**

Daylighting Opportunities: Solar Tubes are being considered for several locations in the building. They provide full spectrum light and will be used in conjunction with new fixtures with smart ballasts that sense lighting levels and provided supplemental lighting when needed.

Mechanical Systems:

The existing mechanical system will be replaced and upgraded for a **58% Energy Savings**. Refer to the Economic Summary Chart at the end of this section.

- The proposed VAV system with terminal reheat allows for supply air reset based on the ambient temperatures. When terminal unit zones are not calling for cooling, such as is the case with low ambient temperatures, the supply air temperature of central air handling units can be reset to a higher temperature.

IX. Project Budget & Fiscal Impact

Electrical Systems:

Lighting and Control Systems: Upgrades to the lighting and control systems at a **10% Energy Savings** above the current Energy Code. Proposed cost saving features include the use of LED fixtures where appropriate, electronic ballasts and occupancy sensors or relay control panels to reduce lighting when not required.

The Estimated Programmatic Costs per Year will remain unchanged at the present time. It is anticipated that in the future an additional staff member and/or a part time student worker will be required to assist the growing archives department.

IX. Project Budget & Fiscal Impact

Economic Summary

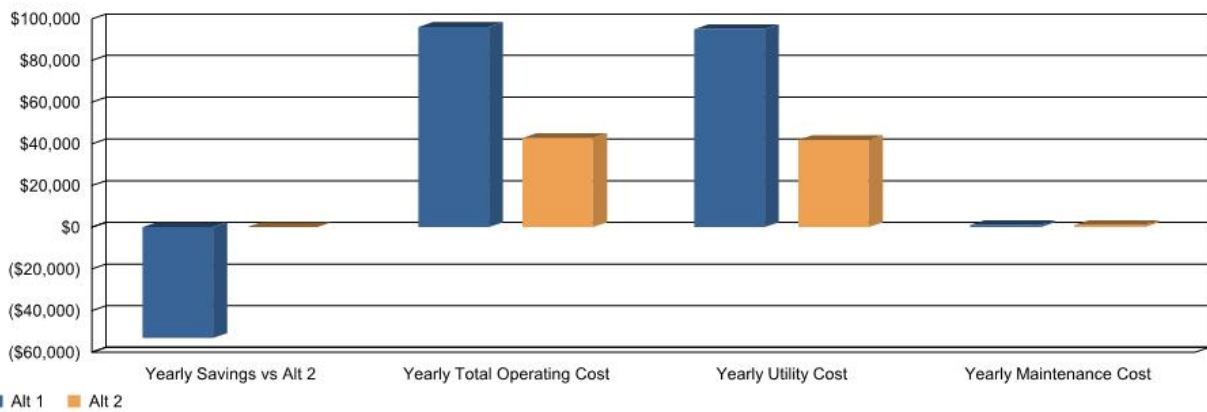
Project Information

Location Project Name User Company Comments	Study Life: 20 years Cost of Capital: 10 % Alternative 1: Base System Alternative 2: VAV
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Economic Comparison of Alternatives

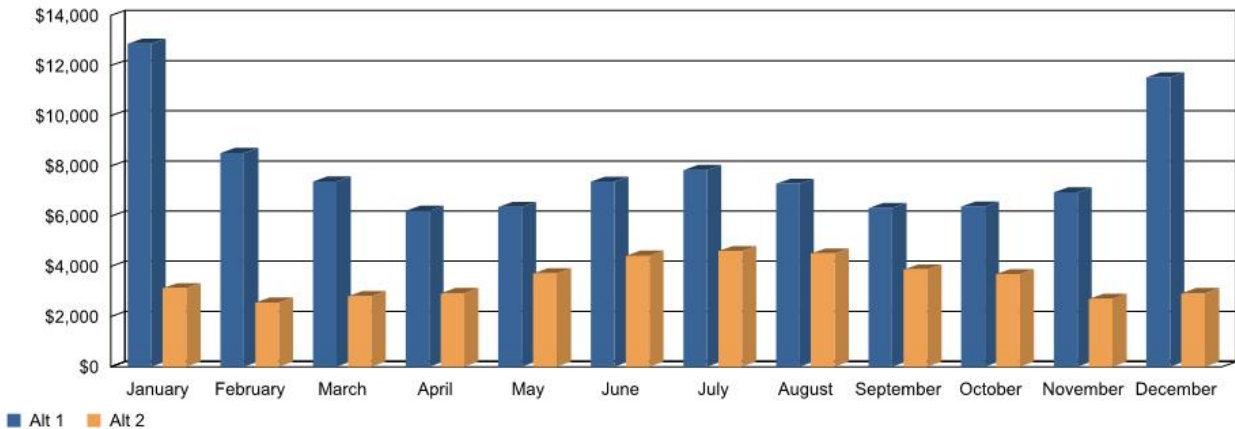
	Yearly Savings (\$)	First Cost Difference (\$)	Cumulative Cash Flow Difference (\$)	Simple Payback (yrs.)	Net Present Value (\$)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost
Alt 2 vs Alt 1	53,146	300,000	762,916	5.6	152,460	8.7	16.9	152,460.10

Annual Operating Costs



	Yearly Savings vs Alt 2	Yearly Total Operating Cost (\$)	Yearly Utility Cost (\$)	Yearly Maintenance Cost (\$)	Plant kWh/ton-hr
Alt 1	-53,146	96,017	95,017	1,000	0.000
Alt 2	0	42,872	41,872	1,000	0.000

Monthly Utility Costs



X. Funding

X.A. Total Funds Required

The total funds required for this project are \$18,098,127.00.

X.B. Project Funding Sources

Anticipated funding sources and percentages of project cost:

Funding Source	% of Funds	Amount
State Funding	66.3%	\$12,000,000.00
The 309 Task Force for Building Renewal	13.8%	2,500,000.00
Capital Improvement Fees	6.1%	1,098,127.00
Cash	10.5%	1,900,000.00
Foundation	3.3%	600,000.00
TOTAL	100%	\$18,098,127.00

X.C. Fiscal Year Expenditures for Project Duration

Project Milestones	Fiscal Year	% of Funds	Amount
Program Statement	2011-2012	.38%	\$68,500.00
Design Development	2012-2013	2.69%	484,460.00
Construction Documents	2012-2013	2.97%	537,665.00
Construction – Phases I and II	2013-2014	47.33%	8,566,083.00
Construction – Phase III	2014-2015	18.35%	3,322,234.00
Construction – Phases IV, V and VI	2015-2016	27.40%	4,959,185.00
1% Art	2015-2016	.88%	160,000.00
TOTAL		100%	\$18,098,127.00

XI. Timeline

XI.A. Timeline

Project Milestones	Start Date	Completion Date
Program Statement.....	February 2012	June 15, 2012
Design Consultant Selection		September 2012
Construction Manager Selection	September 2012	November 1, 2012
Review by the CCPE	June 15, 2012	September 2012
Schematic Design/Design Development.....	September 2012	December 2012
Design Development – Board Review.....		January 15, 2013
Construction Documents	January 2013	June 2013
Funding - Phases I and II		July 1, 2013
Bid Package 1 – Phases I and II	July 8, 2013	August 1, 2013
Board Approval of Bid Package 1		September 2013
Construction – Phases I and II.....	September 2013	October 2014
Funding – Phase III		September 1, 2014
Bid Package 2 – Phase III.....	September 2014	October 2014
Board Approval of Bid Package 2		November 2014
Construction – Phase III	November 2014	May 2015
Funding - Phases IV, V and VI.....		July 1, 2015
Bid Package 3 – Phases IV, V and VI.....	April 2015	May 2015
Board Approval of Bid Package 3		June 2015
Construction – Phases IV, V and VI	June 2015	May 2016

XII.A. CCPE Review

The Coordinating Commission for Postsecondary Education review of this project is required.

XII.B. Method of Contracting and Rationale

The method of contracting for this project will be Construction Manager at Risk.

Rational for Construction Manager at Risk:

- Coordinated design and construction planning, based on a team approach, will help keep the project on schedule and within budget.
- Maintaining the building and all of its services operational with minimal noise disruption and dust control during construction is critical.
- Collaboration on key decisions regarding phasing, equipment selection and construction means and methods.

APPENDIX “A”

EXISTING FLOOR PLANS

COLOR KEY

- ARCHIVES
- BOUND PERIODICALS
- CIRCULATION
- GENERAL STORAGE
- IT ROOM
- LIBRARY COLLECTIONS
- MECHANICAL / ELECTRICAL
- RESTROOMS
- STUDY SPACE
- SWING SPACE
- TECHNOLOGY RESOURCE CENTER



EXISTING LOWER LEVEL FLOOR PLAN 1

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

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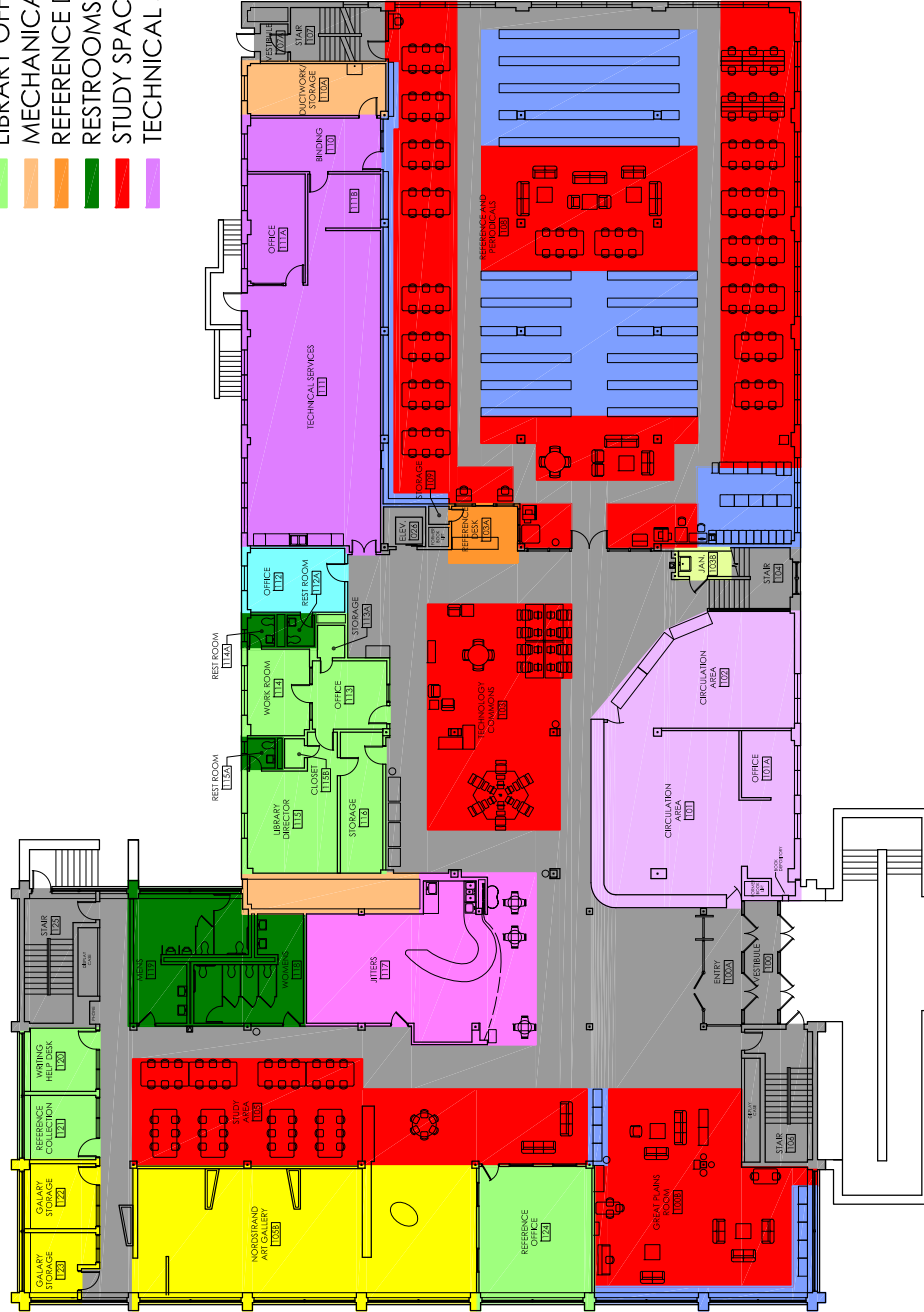
WAYNE STATE COLLEGE
US CONN LIBRARY REMODEL
 1111 MAIN STREET WAYNE, NEBRASKA

JOB NO.: 3411 DATE: 8/20/12
 DESIGN: E.R.K. T.J.C. T.J.C.
 CHECKED: J.H.J.

EXISTING LOWER LEVEL FLOOR PLAN

COLOR KEY

- ARCHIVES
- ART GALLERY
- CIRCULATION
- CIRCULATION DESK
- GENERAL STORAGE
- JITTERS COFFEE BAR
- LIBRARY COLLECTIONS
- LIBRARY OFFICES
- MECHANICAL / ELECTRICAL
- REFERENCE DESK
- RESTROOMS
- STUDY SPACE
- TECHNICAL SERVICES

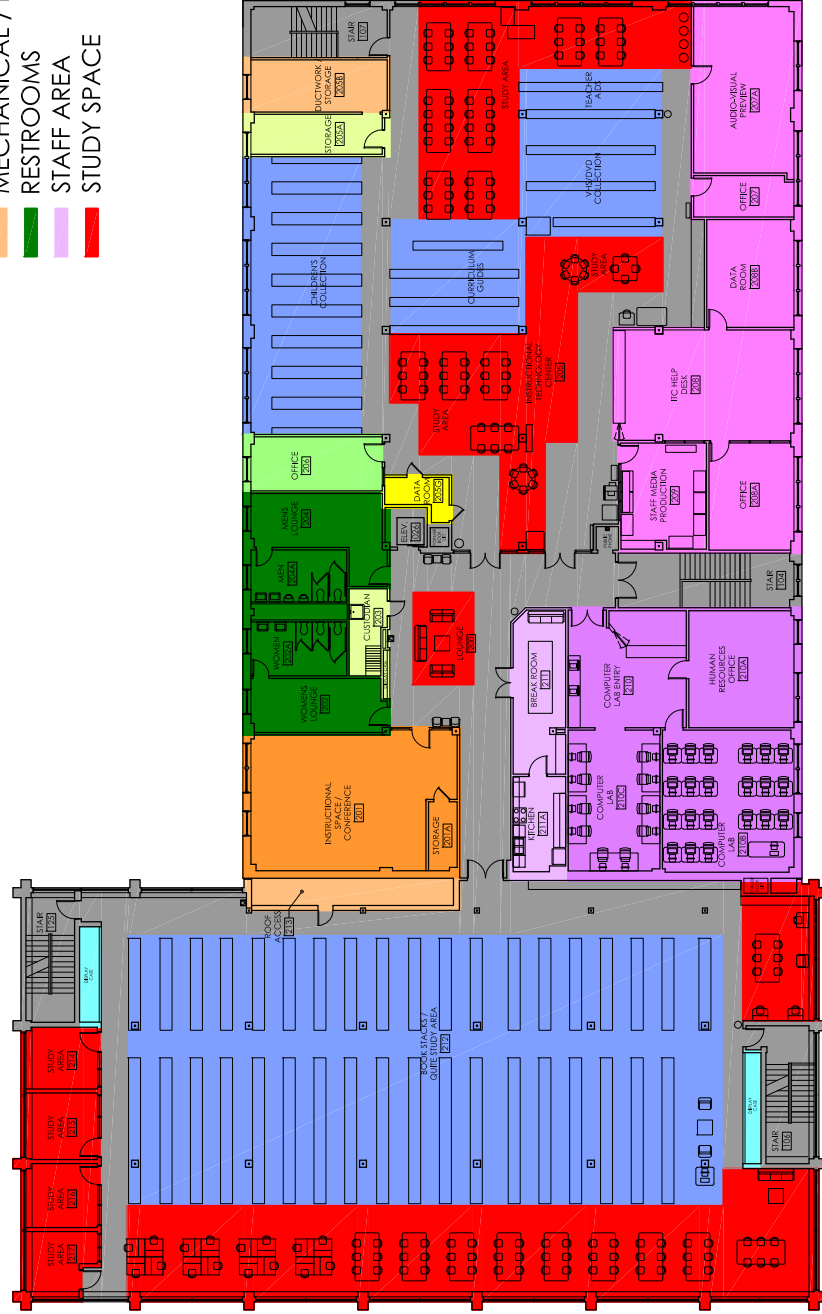


EXISTING FIRST FLOOR PLAN 2
 NORTH SCALE: 1/32" = 1'-0"

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JOB NO.: 3411 DATE: 8/20/12 DESIGN: E.R.K. T.J.C. DR BY: T.J.C. CHECKED: J.H.J.		EXISTING FIRST FLOOR PLAN	

COLOR KEY

- ARCHIVES
- CIRCULATION
- COMPUTER LABS
- GENERAL STORAGE
- INSTRUCTIONAL SPACE / CONFERENCE
- INSTRUCTIONAL TECHNOLOGY CENTER
- IT ROOM
- LIBRARY COLLECTIONS
- LIBRARY OFFICES
- MECHANICAL / ELECTRICAL
- RESTROOMS
- STAFF AREA
- STUDY SPACE



EXISTING SECOND FLOOR PLAN 3
 NORTH SCALE: 1/32" = 1'-0"

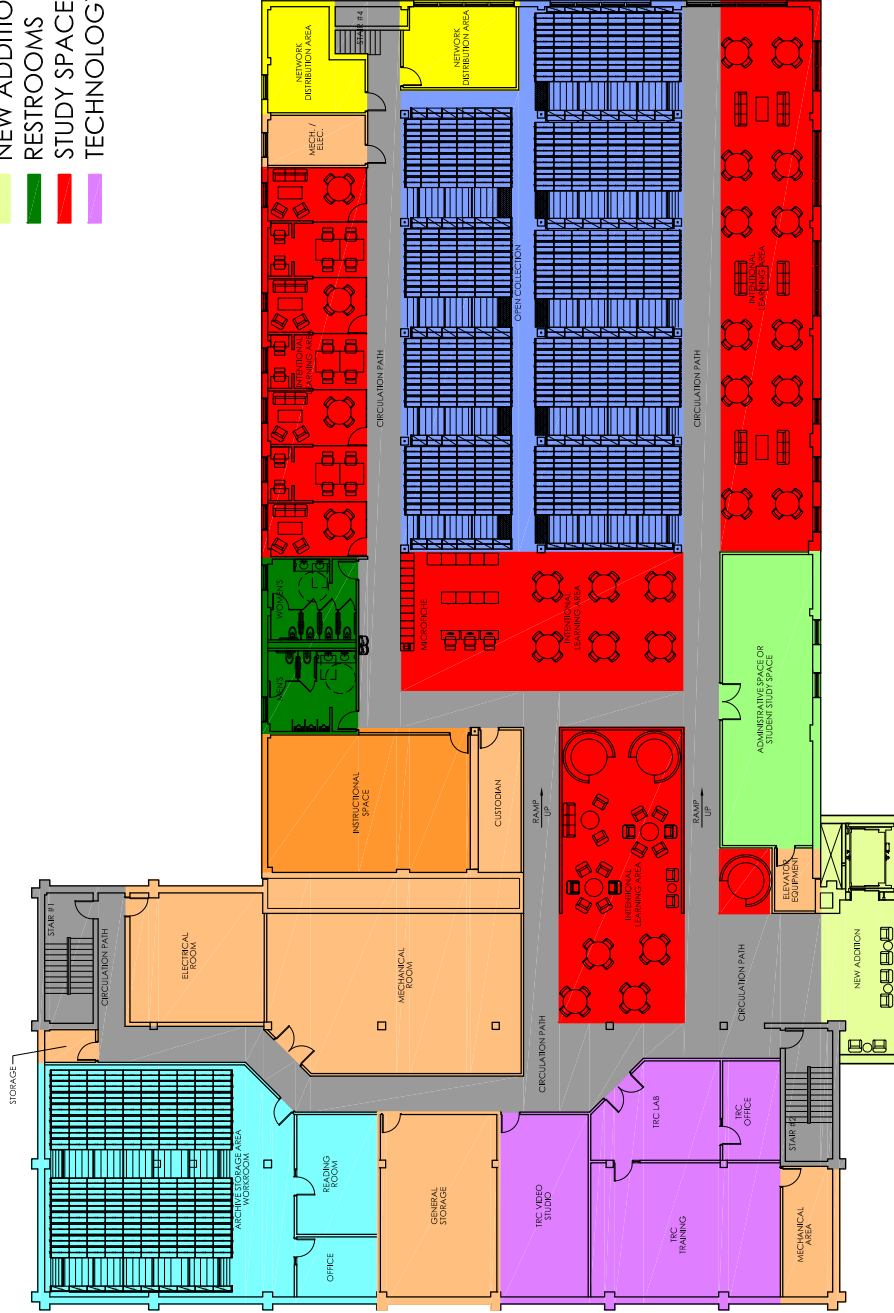
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EXISTING SECOND FLOOR PLAN				

APPENDIX “B”

PROGRAMMATIC FLOOR PLANS

COLOR KEY

- ADMINISTRATION OFFICES
- ARCHIVES
- CIRCULATION
- INSTRUCTIONAL SPACE
- IT ROOM
- LIBRARY COLLECTIONS
- MECHANICAL / ELECTRICAL / STORAGE
- NEW ADDITION
- RESTROOMS
- STUDY SPACE
- TECHNOLOGY RESOURCE CENTER

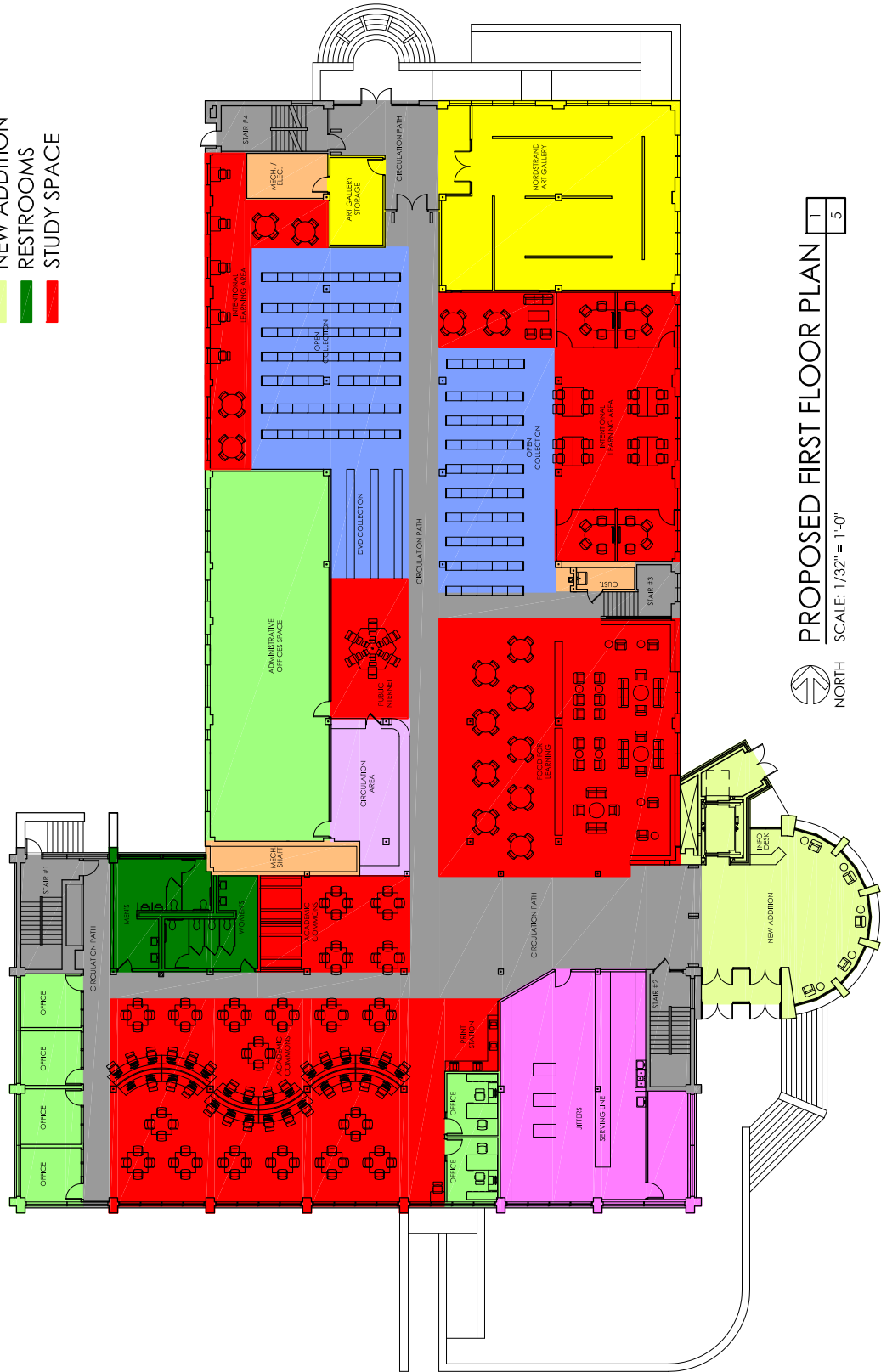


PROPOSED LOWER LEVEL FLOOR PLAN 1 4
 NORTH SCALE: 1/32" = 1'-0"

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1905 NORTH 81st STREET			402-391-3999	
OMAHA, NEBRASKA			PROPOSED LOWER LEVEL FLOOR PLAN	
		JOB NO: 3411 DATE: 8/20/12 DESIGN: E.R.K. DR BY: T.J.C. CHECKED: J.H.J.		

COLOR KEY

- ADMINISTRATION OFFICES
- ART GALLERY
- CIRCULATION
- CIRCULATION DESK
- JITTER'S COFFEE
- LIBRARY COLLECTIONS
- MECHANICAL / ELECTRICAL / STORAGE
- NEW ADDITION
- RESTROOMS
- STUDY SPACE

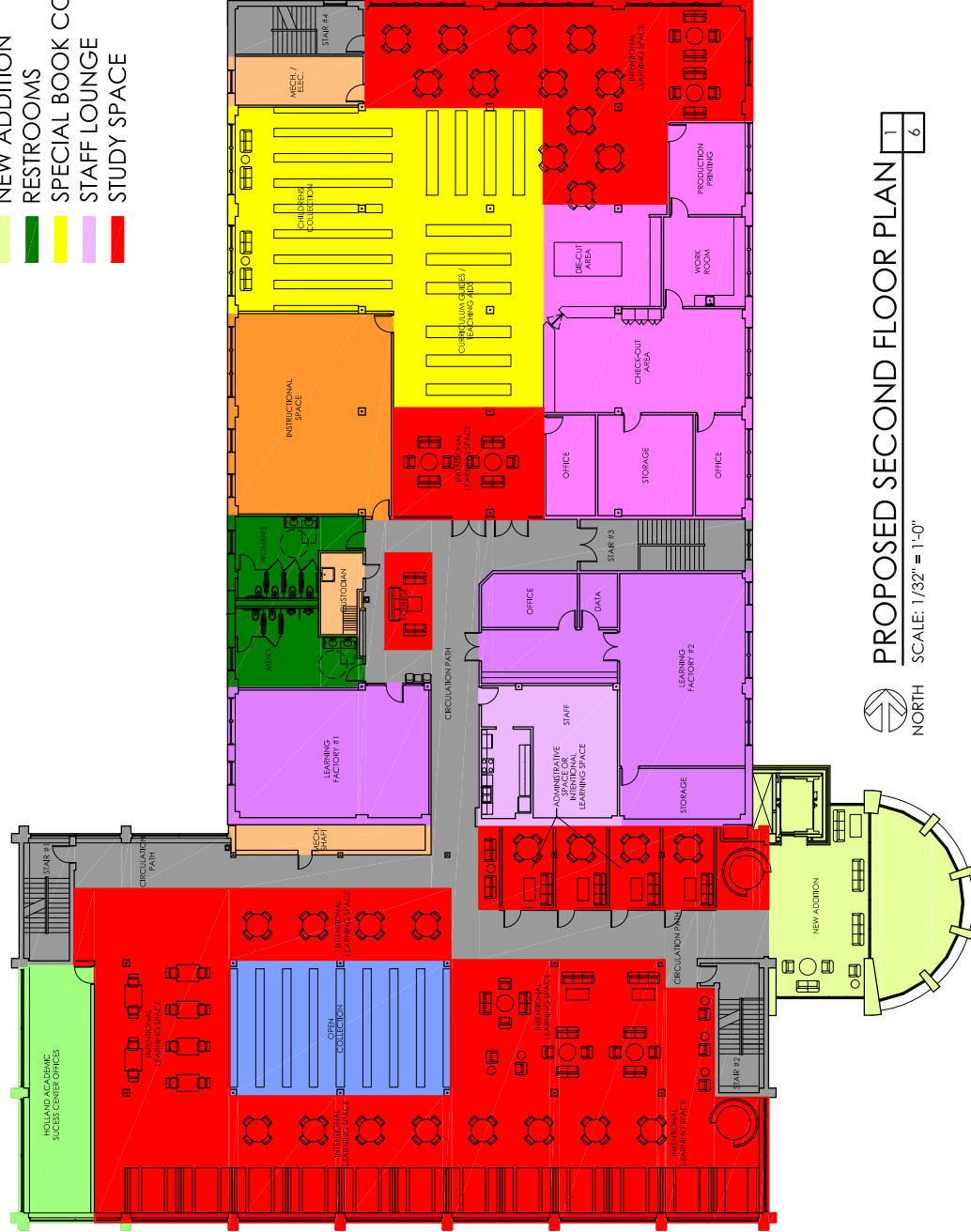


PROPOSED FIRST FLOOR PLAN 5
 SCALE: 1/32" = 1'-0"
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5		

COLOR KEY

- ADMINISTRATION OFFICES
- CIRCULATION
- INSTRUCTIONAL SPACE / CONFERENCE
- INSTRUCTIONAL TECHNOLOGIES CENTER
- LEARNING FACTORY
- LIBRARY COLLECTIONS
- MECHANICAL / ELECTRICAL / STORAGE
- NEW ADDITION
- RESTROOMS
- SPECIAL BOOK COLLECTIONS
- STAFF LOUNGE
- STUDY SPACE



PROPOSED SECOND FLOOR PLAN 6
 NORTH SCALE: 1/32" = 1'-0"

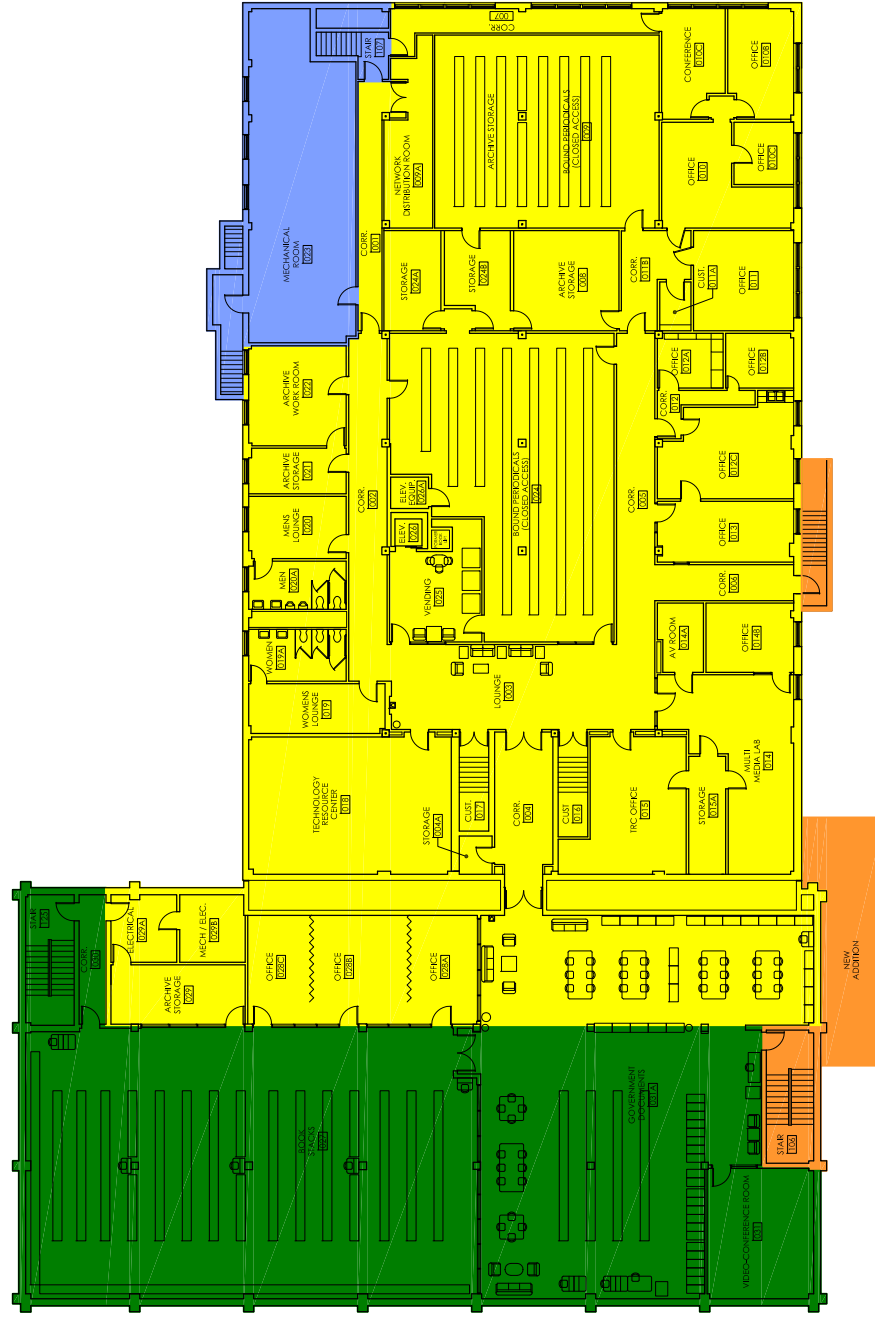
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WAYNE STATE COLLEGE US CONN LIBRARY REMODEL WAYNE, NEBRASKA			PROPOSED SECOND FLOOR PLAN

APPENDIX “C”

PROPOSED PHASING FLOOR PLANS

PHASING COLOR KEY

- PHASE I
- PHASE II
- PHASE III
- PHASE IV
- PHASE V
- PHASE VI



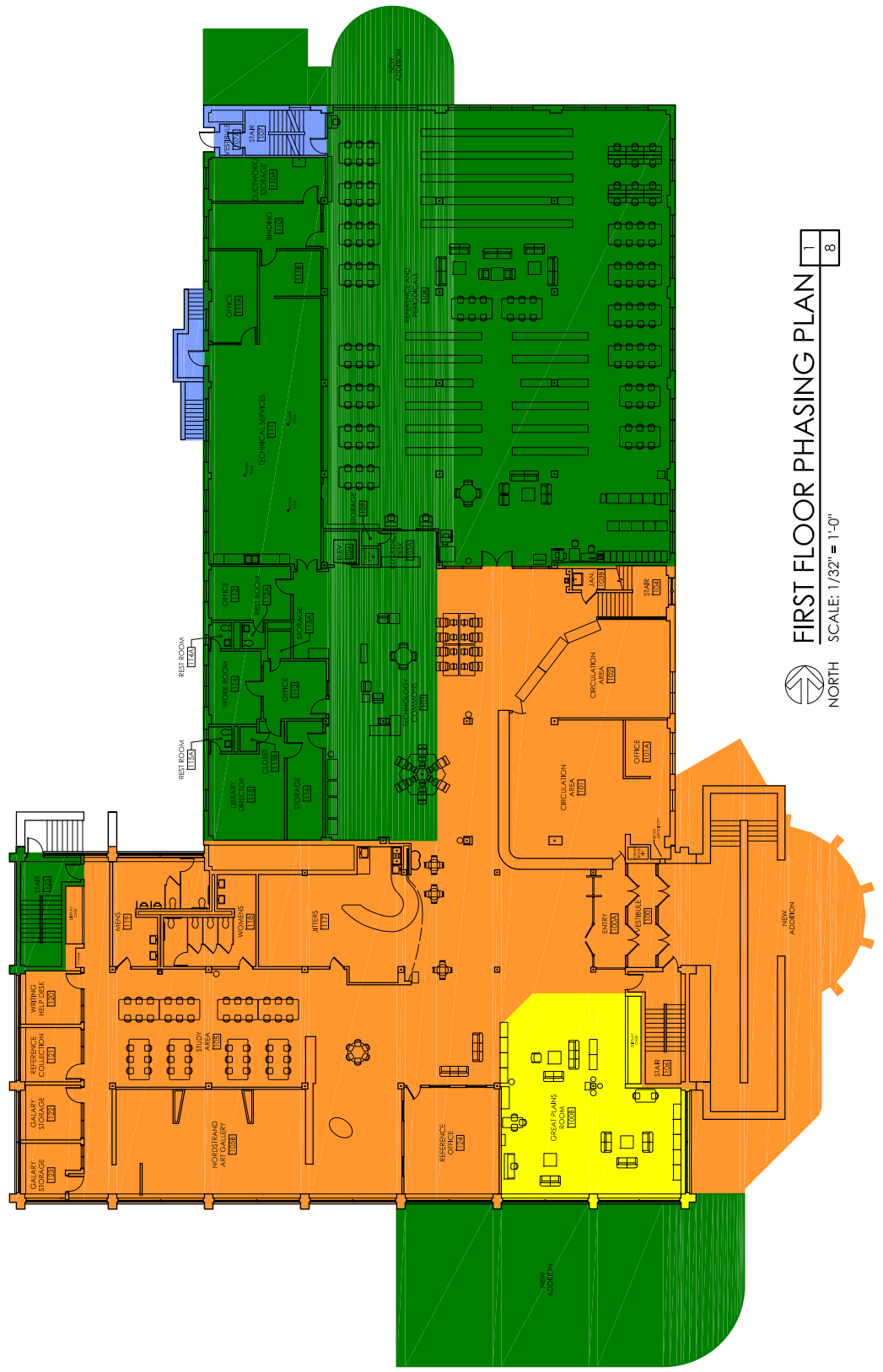
LOWER LEVEL PHASING PLAN 1 7
 NORTH SCALE: 1/32" = 1'-0"

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REV:	DATE:	8/20/12	US CONN LIBRARY REMODEL
REV:	DESIGN:	E.R.K.	1111 MAIN STREET WAYNE, NEBRASKA
REV:	DR. BY:	T.J.C.	LOWER LEVEL PHASING PLAN
REV:	CHECKED:	J.H.J.	

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PHASING COLOR KEY

- PHASE I
- PHASE II
- PHASE III
- PHASE IV
- PHASE V
- PHASE VI

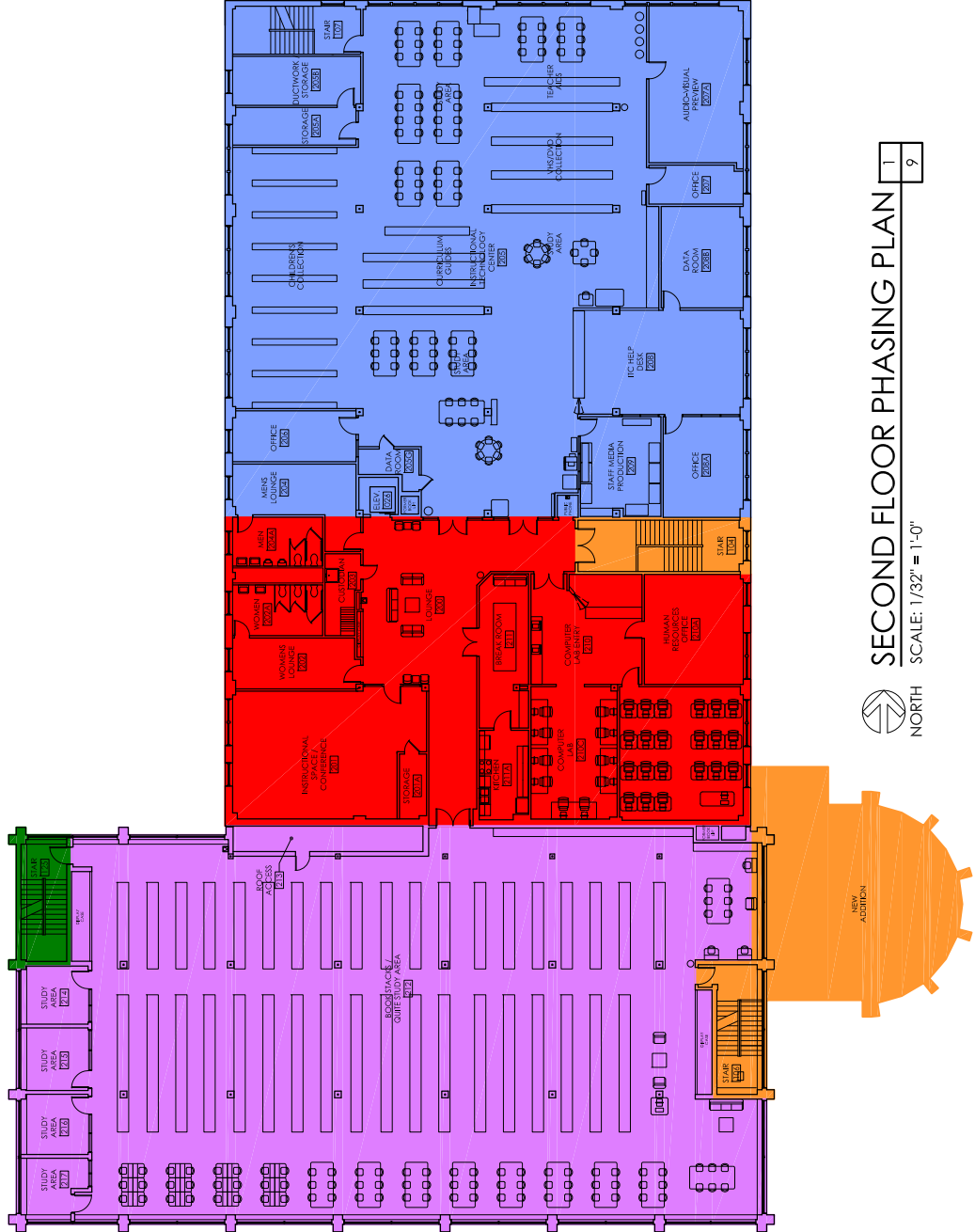


FIRST FLOOR PHASING PLAN 1 8
 SCALE: 1/32" = 1'-0"

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JOB NO.: 3411 DATE: 8/20/12 DESIGN: E.R.K. 1111 MAIN STREET DR BY: T.J.C. CHECKED: J.H.J.		FIRST FLOOR PHASING PLAN	

PHASING COLOR KEY

- PHASE I
- PHASE II
- PHASE III
- PHASE IV
- PHASE V
- PHASE VI



SECOND FLOOR PHASING PLAN 9
 NORTH SCALE: 1/32" = 1'-0"

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JOB NO: 3411
 DATE: 8/20/12
 DESIGN: E.R.K.
 DR BY: T.J.C.
 CHECKED: J.H.J.

SECOND FLOOR PHASING PLAN