CHRISTOPHER NEWPORT UNIVERSITY

Paul & Rosemary Trible Library

Proposed Spaces of Study & Details

10.02.2020 - TECH REPORT 1A

Large work space

Proposed space: Info and Technology Commons, Media Center (L2)

Space analysis (Info and Technology Commons)

Tasks		**Materials**
Visual	**Non-visual**	
Reading	Asking / answering questions at commons desk	Floor: Axminster & broadloom carpet
Writing	Listening to media	Walls: White / beige painted plaster
Computer work		Ceiling: Gypsum
Navigation		

See attached drawing / dimensions.

Special purpose space

Proposed space: Theater Pre-function room and 100-seat Auditorium (L2)

Space analysis

Tasks		Materials
Visual	**Non-visual**	
Oral presentation - reading notes	Oral presentation - audio requirements	Floor: Red broadloom carpet
Performance - music reading, choreography	Performance - audio requirements, comfort of performers	Walls: Painted cream & beige plaster
Audience observation - watching performance, reading program	Audience - comfort of occupants, conversation between audience members	Ceiling: White gypsum
Navigation to / from seats	Insulation of sound from library proper	Doors: Dark stained wood
Different lighting modes for house lights up / down		Current fixtures: Brass
		Other: *Stage - pale stained wood, Furniture - yellow upholstery*

See attached drawing / dimensions.

Circulation space

Proposed space: Lobby (L1)

Space analysis

Tasks		Materials
Visual	**Non-visual**	
Navigation (through space, up / down main stairs)	Conversation	Floor: Stone block
Meeting of friends or professors	Asking / answering questions at front desk	Walls: White painted plaster
Writing / working at front desk on computer screen		Ceilings: Gypsum with moulding
Reading		Doors: Wood

See attached drawing / dimensions.

Outdoor space or the building façade

Proposed space: East Elevation / facade

Space analysis

Tasks		Materials
Visual	**Non-visual**	
Navigation to / from building entrance	Avoidance of light pollution	Facade: Red field brick
View in windows		Ornamentation: White plaster, brass elements
Viewing from a distance		Roofing: Black synthetic slate shingles
		Glazing: Low-E coated glass

See attached drawing / dimensions.

Additional Spaces

Proposed spaces: Reading Room & Upper Reading Room (L2, L3); Display Gallery & Special Collections (L1)

Space analysis (Reading Room)

Tasks		Materials
Visual	**Non-visual**	
Reading	Quiet conversation	Floor: Blue / patterned axminster carpet
Writing	Sound insulation	Walls: Cream and white painted plaster
Other handwritten tasks		Ceiling: White gypsum
Computer screen reading		Doors: White painted wood
Typing		Current fixtures: Brass
Circulation / navigation around perimeter		Other: *Moulding - white plaster, Columns - white plaster, Furniture - dark stained wood, Railings - wood and brass*

See attached drawing / dimensions.

Space analysis (Display Gallery / Special Collections)

Tasks		Materials
Visual	**Non-visual**	
Reading titles (through glass)		Floor: Stone, axminster carpet, wood
Reading		Walls: Painted plaster
Navigation		Ceiling: Gypsum
Stocking / sorting books onto shelves		Door: Wood
Filling and creating displays		Other: *Displays - glass*

See attached drawing / dimensions.

Design Decisions

Three schematic design concepts

The most complex and focal of the spaces in the library is the Reading Room & Upper Reading Room (L2, L3), which I believe will result in the greatest opportunity for lighting explorations. The Reading Room is a double-height space with many classical elements and multiple task types. It also features a glass portion of the ceiling, which will provide more opportunities for interesting schematic designs.

Psychological Impressions

I plan to provide an impression of Spaciousness in the Theater Prefunction and Theater spaces. These are relatively small but are expected to hold a comparatively large number of occupants, so I'll pursue a spacious impression to combat the claustrophobic feeling that could occur due to the original design.

If time permits, I'd also like to investigate applications of both Public and Private modes in the two-story Reading Room / Upper Reading Room. The tasks of both private reading and communal work lend themselves to the thoughtful application of light to divide the space.

Systems integration, breadth issues, and daylighting

Daylight analysis may be applicable inside the reading room, as large sections of the ceiling are glass. This could coordinate with both HVAC (occupant comfort, effects of large skylights on heating / cooling, sustainability impact) and structural (installation and support of large skylights). Additionally, the reading room's columns may provide an interesting structural investigation (i.e., which columns are load-bearing).

It may also be pertinent to perform acoustical investigations of the theater space, as well as the large work space (Info & Technology Commons, Media Center), as both include tasks that require careful acoustic tuning.

NOTE FOR FOLLOWING DRAWINGS: I have included drawings and dimensions in the order spaces have been listed in the report. At the end of the report, there are also overall floor plans and a building section, which may be useful for context.