ARCHITECTURAL PROGRAMME RESPONSE

The architectural programme for a proposed facility was created by the thesis candidate based on the requirements of each instructional section and proposed method for instruction of the distinct elements. The architectural programme was genereated using several given factors relative to the proposed operations and use of a facility. These factors include:

- The instructional method will focus on experiential learning, with only minimal direct instructional class time. To teach and provide experiential learning, the environment must reflect the subject matter. It is intended that the design solution incorporate the developed curriculum through architectural design concepts and theory exploration. The building should reflect the knowledge it seeks to instill.

- The purpose of this study involves elementary grades seven and eight students coming to the proposed facility for one afternoon each week during a single reporting period of the standard school year. A single reporting period allows for 16 instructional sessions. The research development will complete a breakdown of 16 units related to the curriculum structure.

- The seven sections of curriculum will provide a minimum of two full afternoon sessions related to instructional and in-class activity. It is intended that these sessions be augmented with out-of-class activity and homework. The instructor will have the opportunity to remain flexible in the additional two sessions, focusing on specific curriculum sections that may require further development, depending on the specific student group.

- The use of a single afternoon period eliminates the need for the facility to provide for the recreational/activity periods (recess and physical education) for students visiting. By maintaining this specific time period, the facility may be developed as an educational specific entity as opposed to creation of a standard "school" assembly.

- The proposal of a single facility will provide for access to the curriculum and instruction to all local and adjacent rural students. This opportunity for access allows for continued use of the facility throughout the school year based on the current enrollments within the area.

- An independent facility will allow for outside instruction and community involvement in the learning process to occur during summer months when regular school classes are out of session. This opportunity may also allow for development of a general curriculum which may provide greater understanding of the profession within the community at large.

The influence of each curriculum section has been itemized relative to the proposed design intent of the independent facility. Where possible, these influences should be integrated and illustrated throughout the intended facility to aid the students in the process of architectural design. The basic influences derived from the curriculum include:

Section 1.0: Architectural History of Western Civilization

- Vitruvius and the order of proportion in spatial design.
- The grid theory of planning derived from the Ecole des Beaux Arts.
- Renaissance influences relative to the proportions of man. (Humanist theory)
- Use of specific materials (stone, concrete, steel, glass, natural and man-made materials) to reflect historical development

Curriculum influences continued…

Section 2.0: The Science of Buildings

- Clearly identifiable structural elements.
- Allow for study of structure to occur within facility.
- Exposed structure to illustrate influences.

Section 3.0: Art in Architectural Design

- Display areas for sketch materials and presentation submissions.
- Areas allowed for sketching in groups.
- Natural elements and materials for sketch purposes.

Section 4.0: Sociology and Architectural Design

- Study of human nature, social observations, interactive relationships
- Areas provided for role playing in class setting for situations

Section 5.0: Geography

- Land forms, contextual placement and response to the natural force influences
- Designed landscaping elements around the facility; bringing the exterior in and providing unity between spaces

Section 6.0: Mathematics

- Allowances for special circumstances relative to areas of study
- Geometric study and analysis of the building form (providing a clear geometry in building massing and layout)

Section 7.0: Architectural Design Elements

- Influence on design strategies on composition: light, shade, texture, colour, composition and presentation.
- Clear Massing, volume and spatial resolution.