Memorandum

For: Professor Nielsen

From: Aaron Tucker

Connor MacDonald

Dillon Carhuff

Thomas Dykstra

Date: 31 October 2016

Statement of Requirements and Objectives

To Whom It May Concern:

The objectives presented in this statement represent the goals, ideals, and desired outcomes of this senior design team. The method of accomplishing these goals will be a project developed from a need presented by Michael Vossler of the Vossler Media Group and undertaken over the course of the next eight months. The course of this project will be greatly influenced by the objectives this team takes, and as such, the following statements are meant to be comprehensive without compromising the future ability to make key design changes. With that in mind, the requirement for this design project will be to create a modular projection screen with the ability to make height adjustments for each individual module. This design will likely be used in a concert setting in order to provide the audience with a mechanically assisted, visual media experience. Undoubtedly, this will require many different skillsets across multiple disciplines, so specific design objectives will have to be ferreted out over the next eight months. As a result, this team’s most fundamental project objectives are as follows:

1. To provide the Vossler Media Group with a solution or a substantial starting point to the unique, single-application problem presented by Mr. Vossler.
2. The aforementioned solution will be an application designed to improve the quality of the visual media presentations required by Mr. Vossler, and a cost effective, high quality design meant to be implemented with minimal adjustments or improvements.
3. To further the reputation of the Calvin College Engineering program by ensuring all interactions and progressions are timely, effective, good natured, and Christ centered.
4. The final product will be designed with emphasis on complete safety for any user or operator, and the implementation of the design will be completed with safety as a priority.

While these aforementioned objectives provide this team with a strong base to begin moving towards a problem solution, it is likely that more objectives will be added as understanding of the problem and the design scope is obtained. Regardless of future change, this statement represents a pledge of this team’s commitment to produce the best design possible.

With Regards,