Thesis Recommendations

The information obtained from my research on ethics showed that there is a definite need for ethical training within the construction industry and universities alike. The research conducted to identify the top ethical transgressions coupled with the need for an ethical training method gave me to the need to develop my construction ethics training program. This program defines the top fifteen industry identified ethical transgressions, teaches about each, and then provides testing material to ensure the material is learned. The results from the training program showed that the training program was valid, the cost/benefit ration was very positive, and most importantly those who participated said they would act more ethically after the completion of the program. Therefore, it is my recommendation that this training program be used by both industry members and universities. This would improve the industry's image, level the competitive playing field, and increase social responsibility among its employees.

The first breadth topic analyzed was a fabric ductwork system which compared the cost, schedule duration, structural impacts, and highlighted advantages of the material. It was found that the cost and schedule performance of the fabric duct system was far superior to the spiral metal ductwork. In conclusion, I recommend that the fabric duct system be installed into the Warrenton Aquatic and Recreation Facility in the aquatic spaces as well as also considering this material in similar projects.

The last portion of my thesis analyzed the structural columns in the competition and leisure pool areas. The current system is cast in place concrete, while I chose to analyze both structural steel columns and masonry pilasters. The steel showed to be the most cost effective and shortest in installation time, while the pilaster was less expensive but added eleven days to the schedule. Finally, it is my recommendation that structural steel members be installed into the aquatic portion of the Warrenton Aquatic and Recreation Facility.