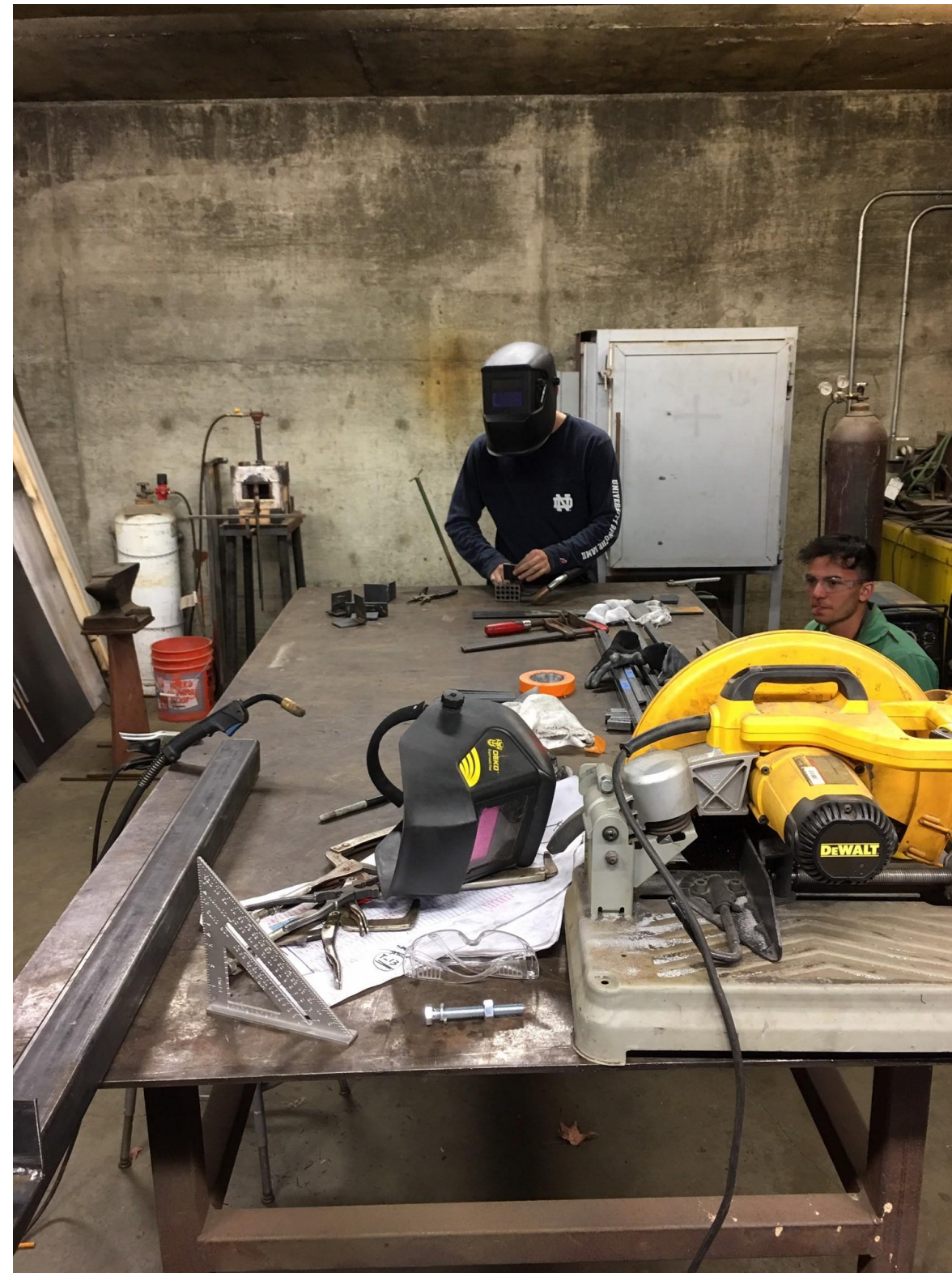
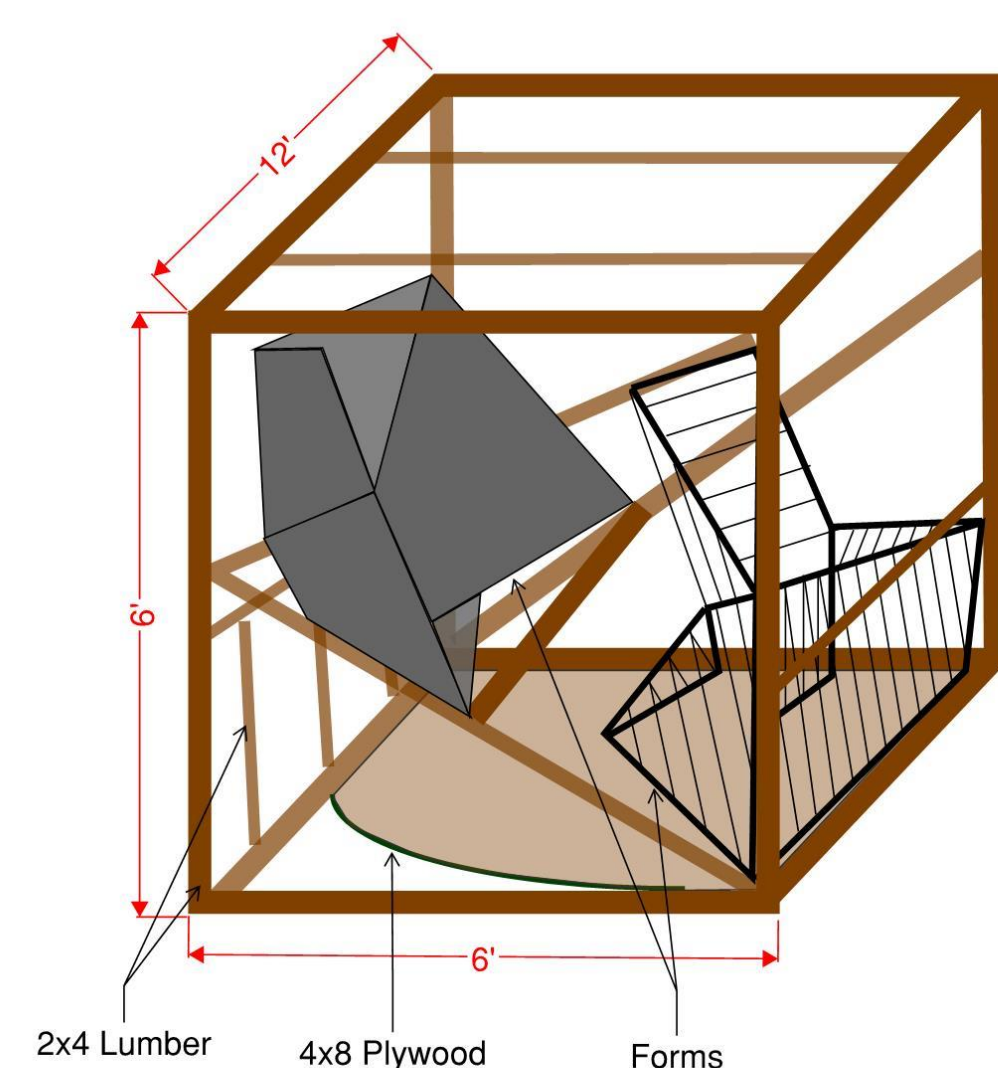


Interdisciplinary Studio Pavilion [ISP] 2019



The project team working on the full scale model

FORM PORTABILITY



Gannon Van Sickle

California Polytechnic State University
Construction Management Fall 2019

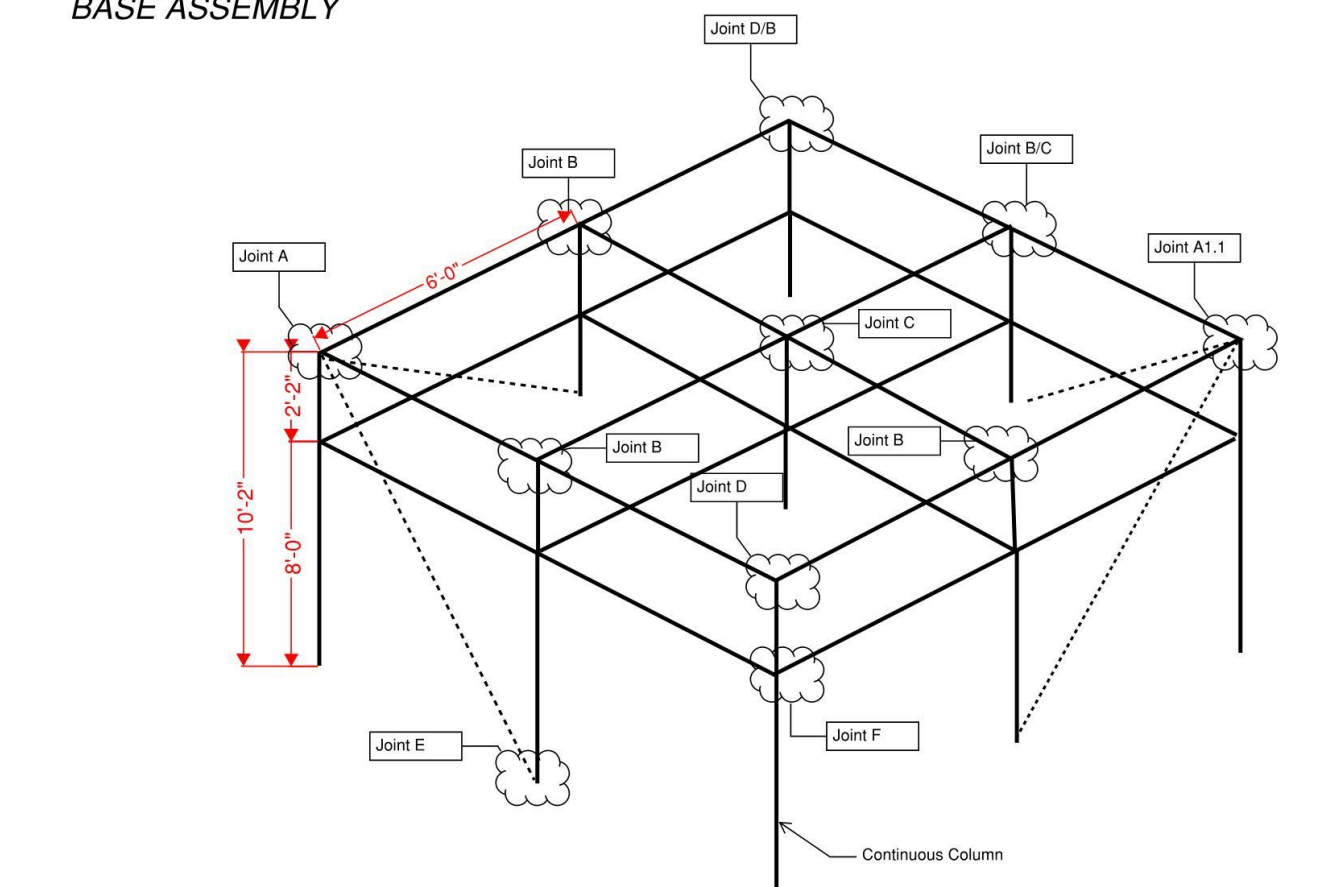
An Interdisciplinary studio involves different knowledge disciplines who work together to achieve a common goal. This project engages this idea with three different majors. Our objective was to create a Pavilion to display wine history artifacts from the central coast. The project teams consist of architecture, construction management, and structural engineering majors. Each group was tasked with designing a portable pavilion that would achieve the desired objectives of the clients. At the end of the quarter the client will choose which project to be built. The roles of the different disciplines overlap, creating a project viewed at from many perspectives. This collaboration avoided clashes early on in the design and enabled an easier solution. As the construction management major in the group, the main input was in the logistics. We managed the constructability throughout the project, created an assembly package, tracked cost, and coordinated fabrication and transportation. The pavilion we designed is a HSS superstructure. This structure supports the form and display areas for the wine artifacts. No heavy equipment can be used for assembly and disassembly. Responding to that, we created a bolted assembly for the superstructure and a modular construction for the form. Were it not that this was an interdisciplinary studio, we would have not been able to design a project that responded to all the clients needs.

Key Words: Interdisciplinary, Pavilion, HSS Superstructure, Logistics, Wine Artifacts

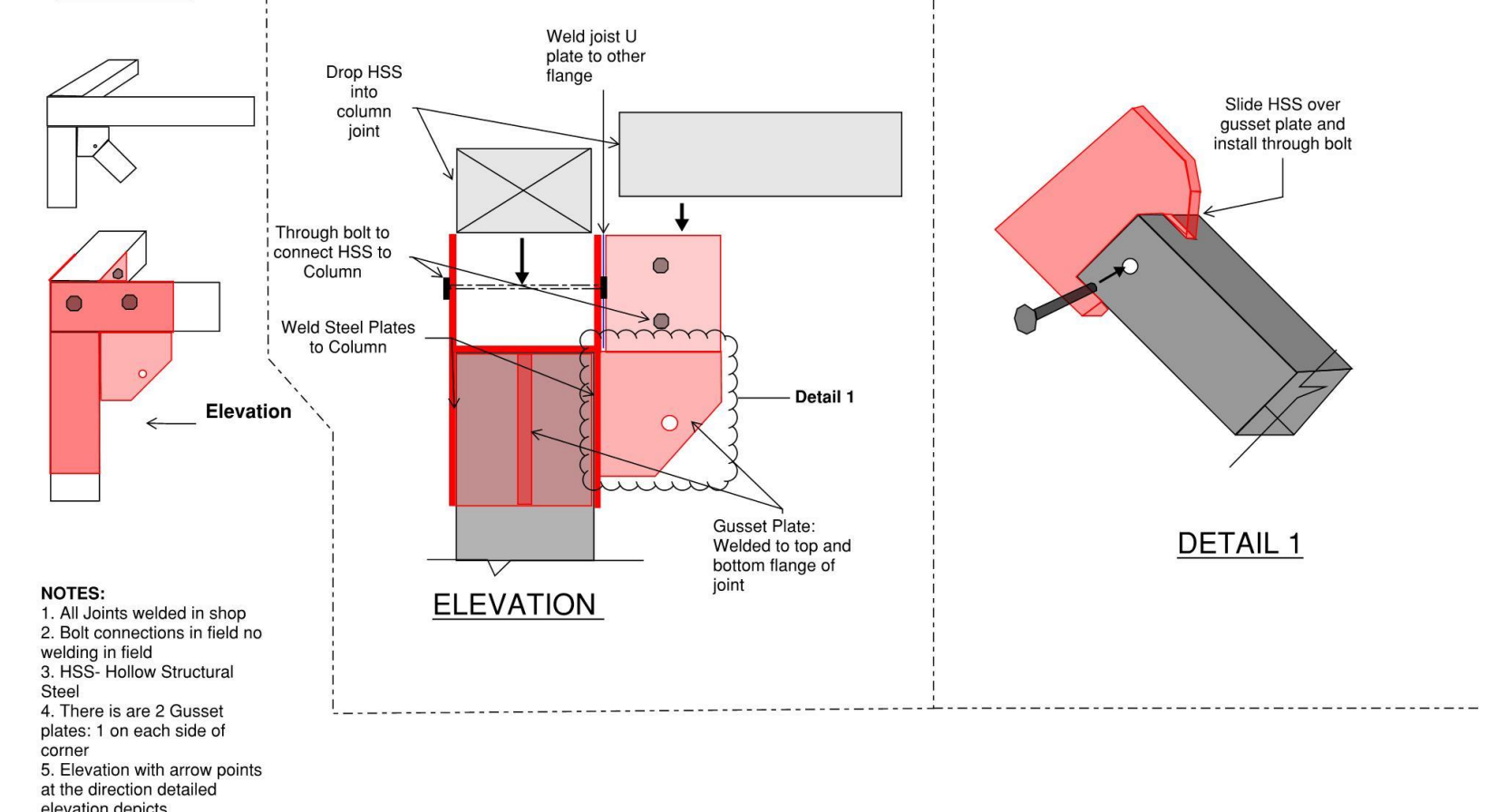


This rendering depicts the design intent for our pavilion project. It gives the client an idea what the project would look like at the site.

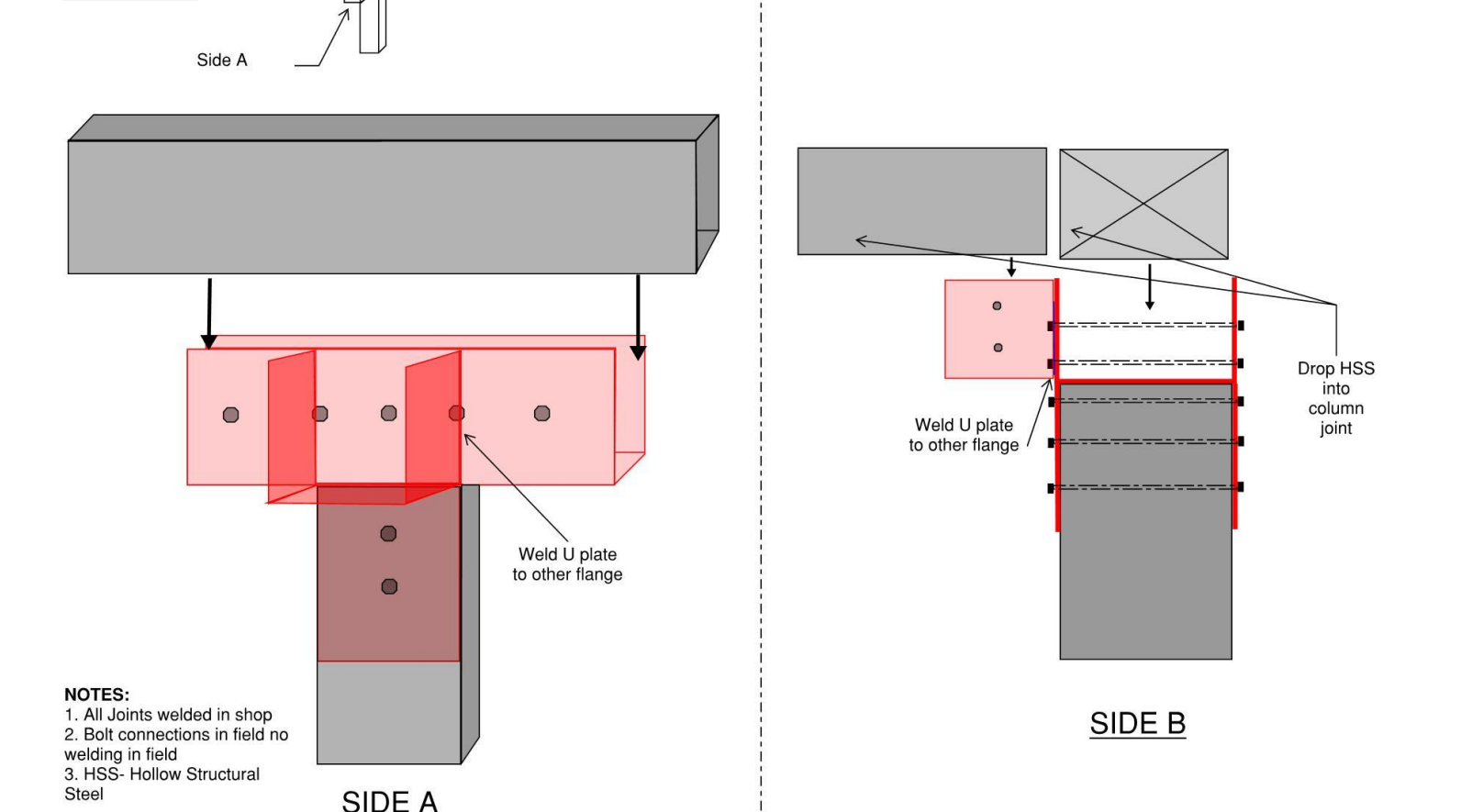
STRUCTURE FOR JOINERY BASE ASSEMBLY



JOINT A



JOINT B



Sample of my joint assembly package