

Design Project
Submittal DP1
Conceptual Design

Team: _____
Members: _____

Attach a neatly hand drawn concept sketch (3D isometric) of your design. Identify all of the components on the sketch with a unique name or number. Include preliminary layout dimensions. Also show preliminary sketches of connections.

Each team member is responsible for leading the design of one primary component and one connection.

Complete the distribution of effort tables below.

<i>Component ID</i>	<i>Lead Designer</i>	<i>Assistant Designer</i>

<i>Connection ID</i>	<i>Lead Designer</i>	<i>Assistant Designer</i>

General Task Assignments:

<i>Task</i>	<i>Leader</i>	<i>Assistant</i>	<i>Due</i>
Project Drawings			
Bill of Materials & Cost Estimate			
Methods			
Assumptions & Warnings			
References			
Data Sections			
Calculations Section			
Response to Peer Review			
Peer Review of Other Team			
Design Report Assembly			

All team members will contribute to each task.

The concept sketch should be complete and dated. Its purpose is to guide the design before the drawings are completed and it serves as a simplified sketch for all team members to refer to. Use it to assign tasks, as a reference to parts and their names in forming models and doing the corresponding analyses. For a consistent, organized design process, every team member should have a copy. Components need not be detailed nor presented as finished, but all of them should appear and be called out. The concept sketch may change as the design progresses, in which case revisions must be supplied to all team members. This is the reason for dating the concept sketch. Note that a current concept sketch is part of each submittal.