**Pre-CAD Plan for Object \_\_\_\_\_\_**

**Initial Assumptions:**

**Bulleted Feature Creation Steps (Ex: 1. Top plane Extrude Boss; 2. Right plane Revolve Cut; 3. Face Chamfer; 4. Pattern; 5. Mirror about new Plane 1):**

Starting Planes

1.
2.
3.
4.
5.
6.

**More Details on Primary Features**

**From Step (#):  *\_\_\_\_\_\_***

Sketch Plane: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3D Feature type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Key Feature Details (dimensions/end conditions):

2D sketch **profile #1** from 1st primary feature

2D sketch **profile** #2 from 1st primary feature (if needed)

2D sketch **path, additional profiles, and/or guide curves** from 1st primary feature (if needed)

**From Step (#):  *\_\_\_\_\_\_***

Sketch Plane: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3D Feature type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Key Feature Details (dimensions/end conditions):

2D sketch **profile** #1 from 2nd primary feature

2D sketch **profile** #2 from 2nd primary feature (if needed)

2D sketch **path, additional profiles, and/or guide curves** from 2nd primary feature (if needed)

**Potential Challenges:**