CAD Naming Conventions in Git

Last Updated: Amir Shukle - 9/7/2023

Updates:

* Allow for more individual project organization for members into sub folders. Before, (100-01-23) only had 100 file numbers total per subteam, this made it difficult to organize your subteams as you only had 10 parts in 10 subfolders.
* New System has 1000 part numbers, 1000 assembly numbers, etc that members can organize however they want per project, per subteam.
* Separating Assembly, Part, Drawing and Simulation numbers for easier integration into full car cad (See “Part Numbering Method”)
* Adding Electrical cad folder for electrical harness cad and any other electrical components (boards, sensors, etc) required to be modeled this year  
    
  **Follow Both “Folder Structure” and “Part Numbering Method” explained below for easiest full car cad integration**

**Folder Structure (ie: XXXX-0001-24)**

1000 - active cad 224 (or future years)

Full car cad (1000-1000-23 - Ccar Full Car Cad)

1100 - Aero&Composites

Full subteam assembly (1100-1000-23 - Aero Assembly)

The following numbers should stay the same from year to year, can add additional numbers per sub team lead discretion)

1101 - Front wing

1101-0001-23 - Gooseneck mount **\*Example part name**

1102 - Rear Wing

1103 - Nosecone and Aeroshield

1104 - Undertray

1105 - Sidepods

1106 - Elements

1107 -

1108 -

1200 - Chassis

1300 - Powertrain

1400 - Drivetrain

1500 - Battery

1600 - Structures

1700 - Electrical

1900 - Other

2000 - cad workshop 224 (or future years)

Full car cad (2000-1000-23 - Ccar Full Car Cad)

2100 - Aero & Composites

Full subteam assembly (2100-1000-23 - Aero Assembly)

2101 - Front wing

2101-0001-23 - Gooseneck mount **\*Example part name**

2102 - Nosecone and Aeroshield

2103 - Undertray

2104 - Sidepods

2105 - Sidewing

2106 - Headrest cowling

2107 - Rear Wing

2108 - Encaps

2200 - Chassis

2300 - Powertrain

2400 - Drivetrain

2500 - Battery

2600 - Structures

2700 - Electrical

2900 – Other

**Part Numbering Method (ie: 1101-XXXX-24)**  
0001-0999 = Individual parts

1000-1999 = Assemblies

1000 = High level assembly

2000-2999 = Part Drawings

2000 = High level assembly drawing (only one assembly drawing per project)  
Versions = 24A, 24B, … 24Z (If more than 26 versions are needed, move to AA, AB, … ZZ)