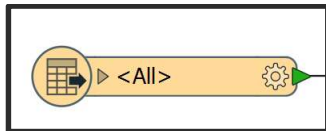


3.4.1 Floorplan

The Floorplan script is used to extract floorplans from the AVM CAD Files for each building and level and convert it to a single feature in the PROD Geodatabase to give a simple overview of the floorplan.

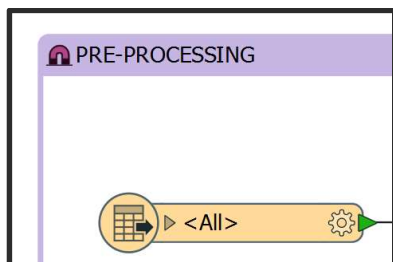
- A. **Input** – The input for Floorplan script is multiple CAD Files where the AVM CAD Folder is located followed by `***ARCH.dwg`:

[\\<FolderPath>***ARCH.dwg](#)

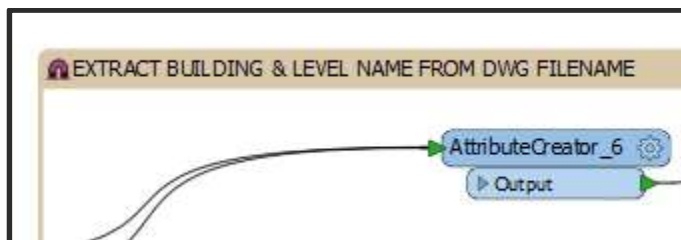


- B. **Transformers** (listed in processing order)

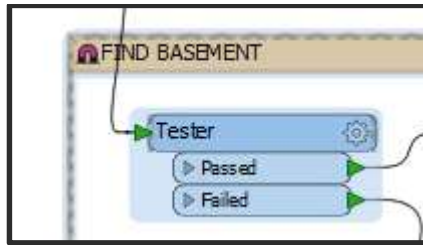
- i. Pre-Processing Transformer performs selects only layers needed for the floorplan, validates the geometry of those features and then simplifies and cleans the data for better display.



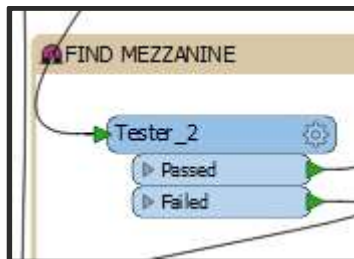
- ii. Extract Building & Level Name from DWG Filename Transformer reads the filename that CAD Features are coming from and adds them as an attribute to the feature.



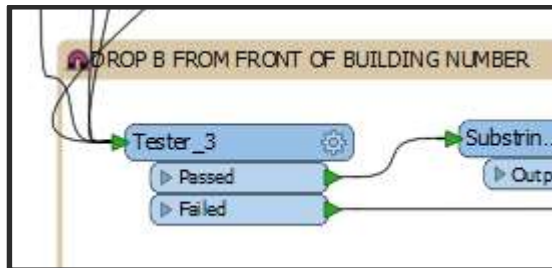
- iii. Find Basement Transformer identifies basement level features in order to populate level name and ordinal value correctly (Other Levels have a number value).



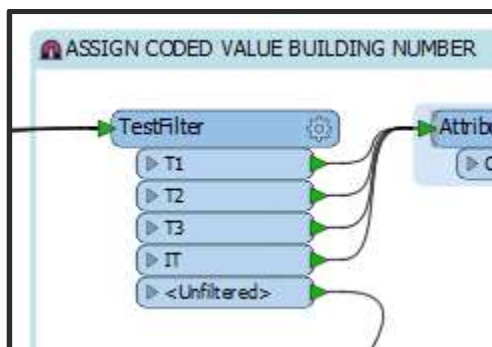
- iv. Find Mezzanine Transformer identifies mezzanine level features in order to populate level name and ordinal value correctly (Other Levels have a number value).



- v. Drop B From Front of Building Number Transformer removes the leading B from the Building number populated earlier from the file name.



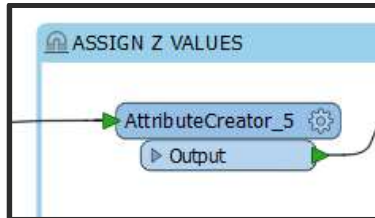
- vi. Assign Coded Value Building Number Transformer converts Terminal Building Names there coded building number



- vii. Assign LevelOrdinal & LevelALTName Transformer populates the Level Ordinal and Level Alternate name based on pre-determined values.



- viii. Assign Z Values Transformer converts the ordinal value as the geometry Z value.



- C. **Output** - The output for the Floorplan script is the SDE.Floorplans feature in the PROD Geodatabase.

