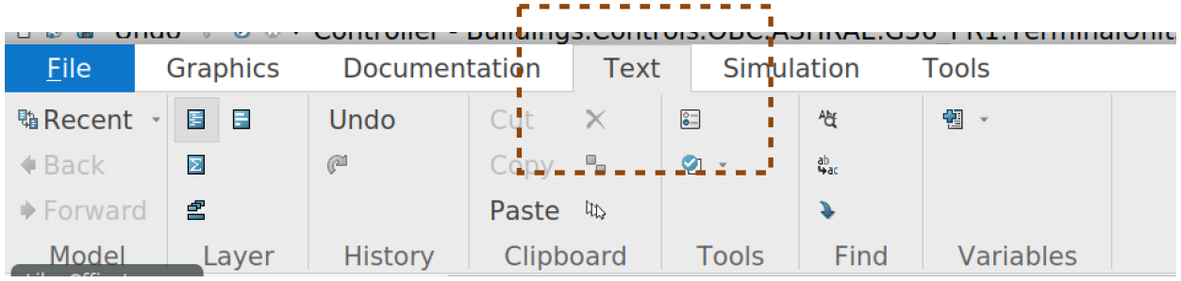
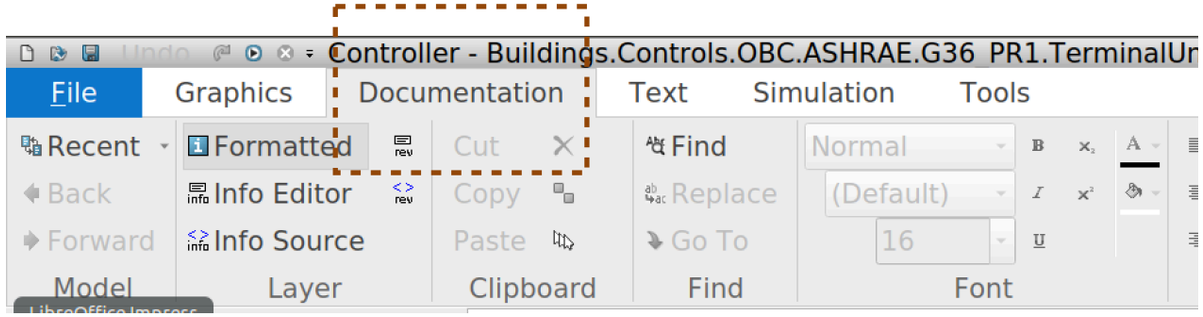
What should be included in the documentation?

Include:

- functionality of the sequence
- reference
- variables and their corresponded name in code
- step-by-step of how the sequence being created
- hyperlink to other sequences






```
Documentation(info="<html>
<p>
Controller for terminal box of VAV system with reheat according to
Guideline 36, Part 5.E. It outputs damper position <code>yDam</code
hot water valve position <code>yVal</code> AHU cooling supply temp
setpoint reset request <code>yZonTemResReq</code>, and static press
reset request <code>yZonPreResReq</code>.
</p>
<p>The sequence consists of four subsequences. </p>
<h4>a. Heating and cooling control loop</h4>
<p>
The subsequence is implementd according to Part 5.B.5. The measured
temperature <code>TZon</code>, zone setpoints temperatures <code>TZ
<code>TZonCooSet</code> are inputs to the block <code>conHeaLoo</co
<code>conCooLoo</code> to generate the control loop signal.
</p>
<h4>b. Active airflow setpoint calculation</h4>
<p>
This sequence sets the active maximum and minimum airflow according
Part 5.E.3-5. Depending on operation modes <code>uOpeMod</code>, it
airflow rate limits for cooling and heating supply. See
<a href=\"modelica://Buildings.Controls.OBC.ASHRAE.G36_PR1.Terminal
Buildings.Controls.OBC.ASHRAE.G36_PR1.TerminalUnits.Reheat.SetPoint
</p>
<h4>c. Damper and valve control</h4>
```

Controller for room VAV box

Information

Controller for terminal box of VAV system with reheat according to ASHRAE Guideline 36, Part 5.E. It outputs damper position `yDam`, hot water valve position `yVal` AHU cooling supply temperature setpoint reset request `yZonTemResReq`, and static pressure setpoint reset request `yZonPreResReq`.

The sequence consists of four subsequences.

a. Heating and cooling control loop

The subsequence is implementd according to Part 5.B.5. The measured zone temperature `TZon`, zone setpoints temperatures `TZonHeaSet` and `TZonCooSet` are inputs to the block `conHeaLoo` and `conCooLoo` to generate the control loop signal.

b. Active airflow setpoint calculation

This sequence sets the active maximum and minimum airflow according to Part 5.E.3-5. Depending on operation modes `uOpeMod`, it sets the airflow rate limits for cooling and heating supply. See
Buildings.Controls.OBC.ASHRAE.G36_PR1.TerminalUnits.Reheat.SetPoints.ActiveAirFlow.

c. Damper and valve control

This sequence sets the damper and valve position for VAV reheat terminal unit. The

What should be included in the documentation?

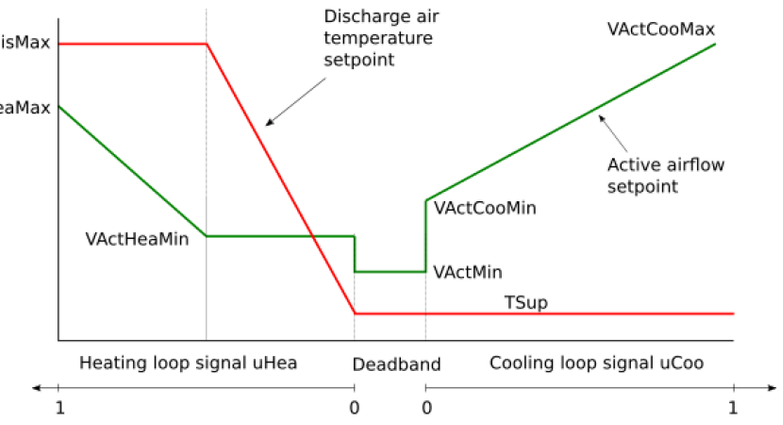
Include:

- example schematic of control
- revision record

```
<p>The sequences of controlling damper and valve position for VAV r
unit are described in the following figure below.</p>
<p align=\"center\">
<img alt=\"Image of damper and valve control for VAV reheat termina
src=\"modelica://Buildings/Resources/Images/Controls/OBC/ASHRAE/G36
</p>
</html>", revisions="<html>
<ul>
<li>
September 10, 2017, by Jianjun Hu:<br/>
First implementation.
</li>
</ul>
</html>"));
```

at the active setpoint.

The sequences of controlling damper and valve position for VAV reheat terminal unit are described in the following figure below.



Revisions

- September 10, 2017, by Jianjun Hu:
  First implementation.

Name: DamperValves

- Validate the html format:

run `../bin/runUnitTests.py –validate-html-only`