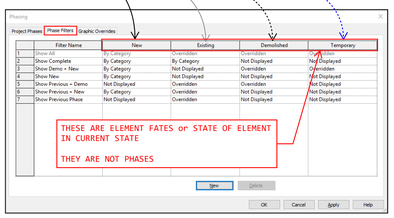
REVIT PHASES, ... AND LINKED PHASES, ... AND NESTED PHASES

1.

WHAT YOU SEE IN A VIEW IS THE **"CURRENT STATE"** OF THE MODEL.
EACH ELEMENT HAS A HISTORY.
THROUGHT OUT THE TIMELINE OF PHASES, EACH ELEMENT CAN HAVE ONE OF 4 FATES:
NEW
EXISTING
DEMOLISHED
TEMPORARY

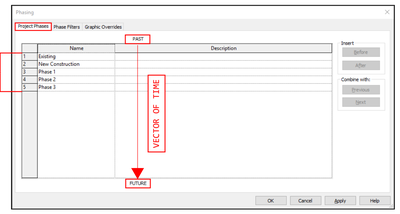
THE PHASE FILTERS OVERRIDE THE GRAPHICS OF
THE ELEMENTS BASED ON THEIR FATE.



2.

PHASES ARE SLOTS IN TIME THAT SOMETHING CAN
HAPPEN TO ELEMENTS.

PHASES CAN HAVE ANY NAMES



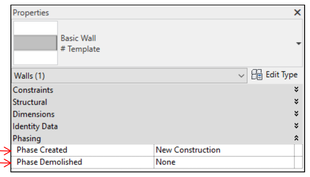
3.

TWO THINGS CAN HAPPEN TO ELEMENT AT EACH PHASE:

THEY ARE CREATED

THERE ARE DEMOLISHED

IF AN ELEMENT IS BOTH CREATED AND DEMOLISHED IN THE SAME PHASE, IT WILL CONSIDERED TO BE "TEMPORARY"



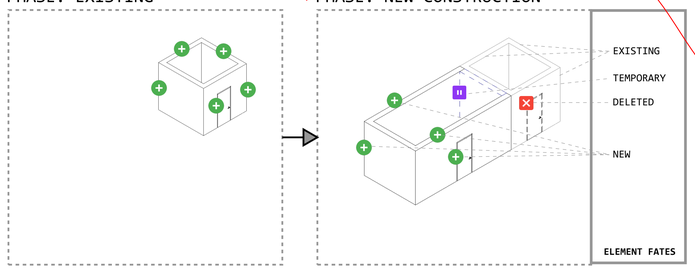
4.

NOW LET'S LOOK AT THE LIFE SPAN AND FATE OF A FEW
ELEMENTS ACROSS TIME...

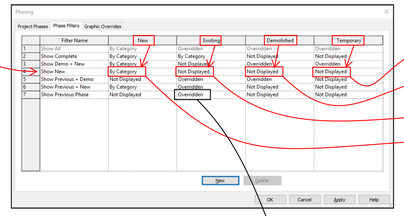
WE HAVE A 3D VIEW, WITH PHASE PARAMETER SET TO **"NEW CONSTRUCTION"** AND PHASE FILTER SET TO **"SHOW NEW"**

PHASE: EXISTING

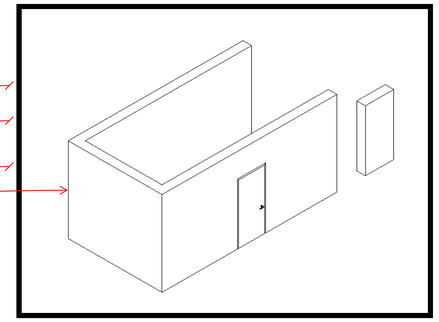
PHASE: NEW CONSTRUCTION



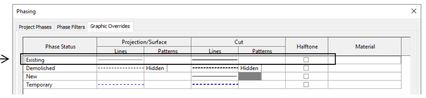
NOW THE PHASE FILTER IS USED TO OVERRIDE THE ELEMENT GRAPHICS
BASED ON THEIR FATE



NOW THE CONTENTS OF THE VIEW CAN BE DRAWN
PER THE PHASE FILTER, ONLY "NEW" ITEMS ARE SHOWN USING "BY CATEGORY"
OVERRIDE, MEANING THEY WILL BE DRAWN WITH THE GLOBAL STYLE FOR THAT ELEMENT
CATEGORY.



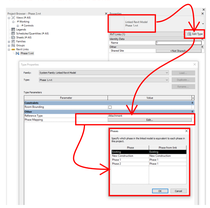
WHEN PHASE FILTER IS SET TO "OVERRIDDEN" THE ELEMENT GRAPHICS ARE OVERRIDEN
BASED ON THE GRAPHIC SETTINGS IN PHASES WINDOW



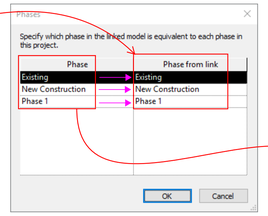
5.

CORRECTLY LINKING PHASES FROM LINKED MODELS, WHEN PROJECT PHASES ARE SPREAD
OUT BETWEEN SEPARATE MODELS.

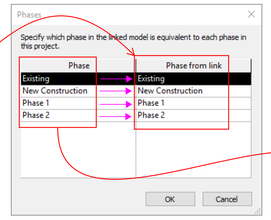
PHASE MAPPING OPTIONS



5b.
SET THE PHASE MAPPING



5e.
SET THE PHASE MAPPING



MODEL: PHASE 1.rvt

PHASE: EXISTING

PHASE: PHASE 1

PHASE: PHASE 2

5a.
CREATE A NEW EMPTY PHASE IN THE OLD
MODEL FOR CORRECTLY MAPPING PHASES

THIS PHASE IS EMPTY SO IT DOES NOT BRING
ANYTHING TO NEW PROJECT

MODEL: PHASE 2.rvt

PHASE: EXISTING

PHASE: PHASE 1

5c.

PHASE: PHASE 2

VIEWS IN THIS MODEL ARE SET
TO **"PHASE 2"** SINCE THIS IS
THE NEW PHASE.

NEW ELEMENTS ARE CREATED IN
"PHASE 2" OF THIS MODEL

FATE OF LINKED ELEMENTS CAN NOT
BE **"NEW"** SINCE NON OF THEM ARE
CREATED IN **"PHASE 2"**

PHASE: PHASE 3

5d.
CREATE A NEW EMPTY PHASE IN THE OLD
MODEL FOR CORRECTLY MAPPING PHASES

THIS PHASE IS EMPTY SO IT DOES NOT BRING
ANYTHING TO NEW PROJECT

MODEL: PHASE 3.rvt

PHASE: EXISTING

PHASE: PHASE 1

PHASE: PHASE 2

PHASE: PHASE 3

5f.

VIEWS IN THIS MODEL ARE SET
TO **"PHASE 3"** SINCE THIS IS
THE NEW PHASE.

NEW ELEMENTS ARE CREATED IN
"PHASE 3" OF THIS MODEL

FATE OF LINKED ELEMENTS CAN NOT
BE **"NEW"** SINCE NON OF THEM ARE
CREATED IN **"PHASE 3"**