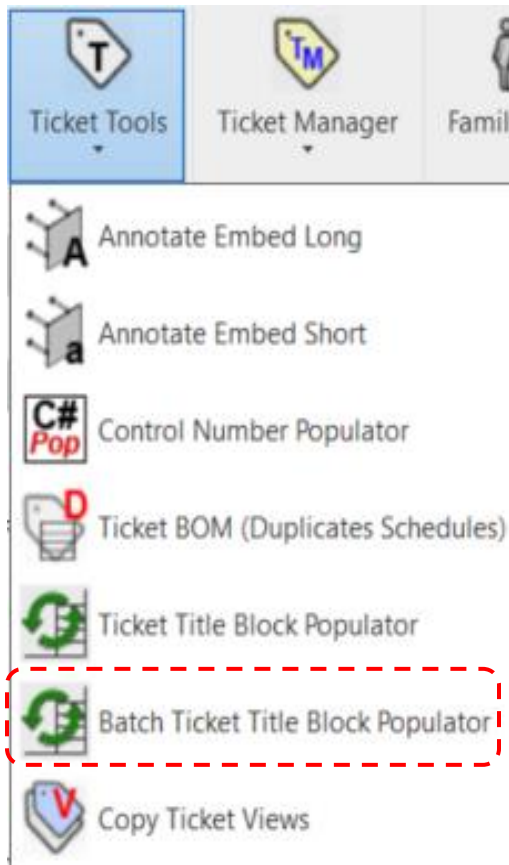


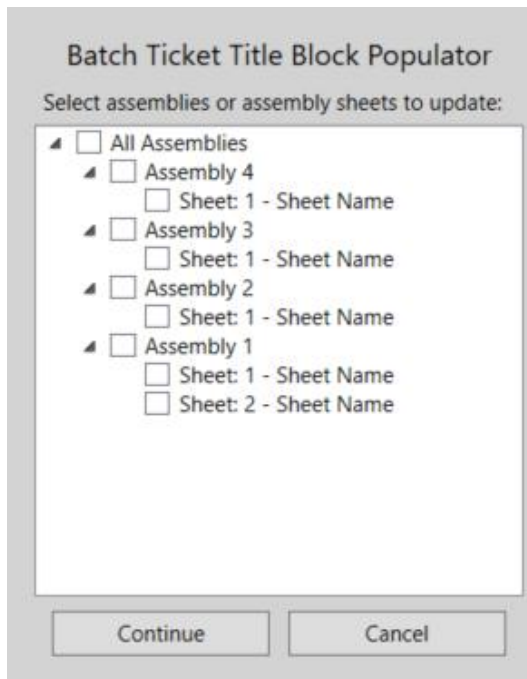
Ticket Tools: Batch Ticket Title Block Populator



Programmed Result of Tool:

The Batch Ticket Title Block Populator tool will update multiple title blocks without being required to be in an assembly sheet view. This tool will read specific parameters from one or more assemblies and their respective structural framing members. This tool will then populate these values into the appropriate label of the corresponding title block should they exist. The Batch Ticket Title Block Populator tool calculates the weight of the assembly using a combination of the WEIGHT_PER_UNIT parameter and the volume of Precast Concrete material for all elements included in the assembly including add-ons (corbels, ledges, pilasters, cornices, and etc.). This tool automatically adds the list of control numbers found in the model to the title block and calculates the total required.

Additional parameters populated by this tool will be determined by the mapped parameters arranged by the user in the Title Block Populator Settings.



Steps to Perform tool Operation:

This tool will populate title blocks of multiple assembly sheets at once.

- 1) User clicks the Batch Ticket Title Block Populator icon.
- 2) User selects all the assemblies or sheets in which they wish to update the title block information for.

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Known Limitations:

- This tool requires the title block to have the appropriate labels in it for the data to be added.
- This tool also requires the Structural Framing Element to have the CONSTRUCTION_PRODUCT parameter and its value correctly applied in order to determine which dimension parameter to use to determine the Length and Width of the member for use in populating the schedule.
- Unknown precast products will not populate the title block information correctly and therefore need a manual check.
- This tool is only programmed to auto populate the following parameter values. If additional info is required to be auto populated by the tool in the title block, then those parameters must be defined using the Title Block Populator Settings.
 - DIM_LENGTH → TKT_LENGTH
 - DIM_WIDTH/DIM_HEIGHT → TKT_WIDTH
 - DIM_THICKNESS/DIM_DEPTH → TKT_DEPTH
 - DIM_DIAGONAL → TKT_DIM_DIAGONAL
 - DIM_SQFT → TKT_SQFT
 - DESIGN_NUMBER → TKT_DESIGN_NUMBER
 - PRODUCT_CODE → TKT_PROD_CODE
 - RELEASE_STRENGTH → TKT_RELEASE_STRENGTH
 - FINAL_STRENGTH → TKT_FINAL_STRENGTH
 - ERECTION_SEQUENCE → TKT_EREC_SEQ
 - STRUCT_MIX_NUM → TKT_STRUCT_MIX
 - ARCH_MIX_NUM_1 → TKT_ARCH_MIX_1
 - ARCH_MIX_NUM_2 → TKT_ARCH_MIX_2
 - ARCH_MIX_NUM_3 → TKT_ARCH_MIX_3
 - ARCH_MIX_NUM_4 → TKT_ARCH_MIX_4
 - Volume of 1st ARCHITECTURAL PRECAST material in the assembly → TKT_ARCH_VOL_1
 - Volume of 2nd ARCHITECTURAL PRECAST material in the assembly → TKT_ARCH_VOL_2
 - Volume of 3rd ARCHITECTURAL PRECAST material in the assembly → TKT_ARCH_VOL_3
 - Volume of 4th ARCHITECTURAL PRECAST material in the assembly → TKT_ARCH_VOL_4
 - Sum of all ARCHITECTURAL PRECAST material volumes in the assembly → TKT_ARCH_VOL_TOT
 - Volume of PRECAST CONCRETE material in the assembly → TKT_STRUCT_CUYDS
 - Precast element's total volume in project units → TKT_CUYDS
 - Weight of the precast element in project units → TKT_WEIGHT
 - Precast element's total volume multiplied by WEIGHT_PER_UNIT → TKT_WT
 - Quantity of structural framing elements that share the same CONTROL_MARK → TKT_TOTAL_REQUIRED
 - TOP_FINISH → TKT_TOP_FINISH