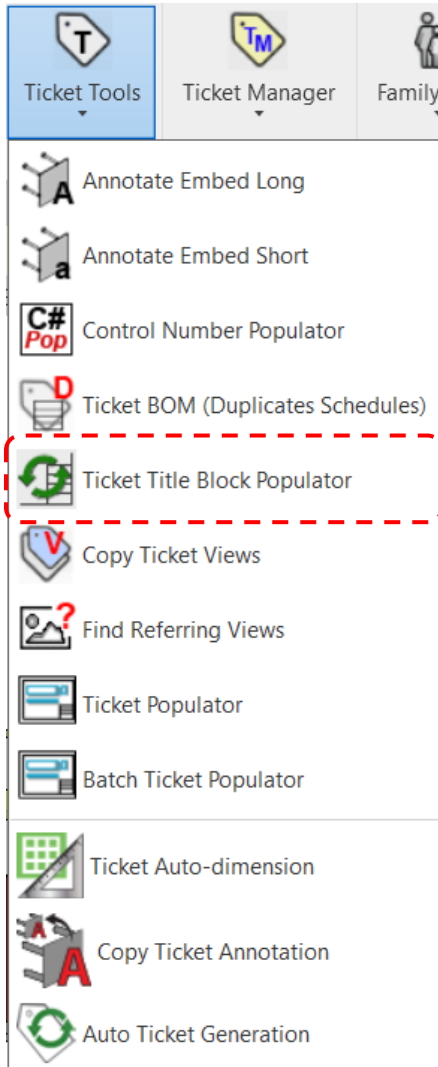


Ticket Tools: Ticket Title Block Populator



Programmed Result of Tool:

This tool will read specific parameters of the assembly and its Structural Framing member within and populate these values into the appropriate label of the title block should they exist. This tool also calculates the weight of the assembly using the WEIGHT_PER_UNIT parameter value in a material take-off schedule using the volume of Precast Concrete material for all elements included in the assembly including add-ons (corbels, ledges, pilasters, cornices, and etc.). This tool also automatically adds the list of control numbers found in the model to the title block and calculates the total required.

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

Steps to Perform tool Operation:

The user selects the tool, then the tool automatically populates the title block with the appropriate information.

- 1) User clicks the Ticket Title Block Populator icon.

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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 parameter CONSTRUCTION_PRODUCT 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 needs 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

