AECOsim Building Designer (SELECTseries 3) Update 1: Dataset_US Delta

Version 08.11.09.3xx – October 2012,

Required Dataset Changes - Addition of 100+ mechanical components: (10 files)

1. Added new Mechanical/Plumbing/Fire Protection catalogues
   - Updated **\datagroupcatalogs\InlineDevices.xml**
   - Updated **\datagroupcatalogs\Plumbing_lib.xml**
   - Added NEW file **\datagroupcatalogs\PlumbingFireFighting.xml**
2. Added new Mechanical/Plumbing/Fire Protection content, added Classification and Phasing to all Mechanical/Plumbing/Fire Protection components, and added components to DataGroup Filters: (appended ObjectClassification & ObjectPhasing). Removed nine orphaned catalogs.
   - Updated ***\datagroupsystem_Dataset_catalogtypeetxts_Mechanical.xml***
   - Updated ***\datagroupsystem_Dataset_catalogtypeetxts_Plumbing.xml***
   - Updated ***\datagroupsystem\EnumLookups_Mechanical.xml***
   - Updated ***\datagroupsystem\ProductFilter_Mechanical.xml***
3. Added default Family assignment to Fire Protection
   - Edited **\BuildingDatasets\Dataset**.cfg - added line 68
     MECH_FAMILY_FIREFIGHTING_DEFAULT : FireProtectionEquipment::WaterSupply-New
4. Added supporting cells
   - Updated **\cell\ahu\AHU.cel**
   - Updated **\cell\plumbingequipments\PlumbingEquipment.cel**
5. Removed orphaned classes
   - Updated \dialog\excel\DGSExport.xml
6. (Dataset_US ONLY) - Rename cell library to coordinate across localized datasets
   - Rename **\cell\EquipmentSymbols.cel** to **HVAC_EquipmentSymbols.cel**
   - **Edited \datagroupcatalogs\HVAC_AHUs.xml**
     - Edit line 178 to read:
       <Property definition="CustomParamAHU2" name="CustomParamAHU2/CellLib"
       value="HVAC_EquipmentSymbols.cel"/>

Required Dataset Changes – Dynamic Views Detailing Enhancements – Update Dynamic View Seeds (5 files)

1. Update Detailed DV seeds to accommodate new 2D detail workflow and Compressed Design (all options):
   - Updated ***\dgnlib\DrawingSeed_Architectural.dgnlib***
   - Updated ***\dgnlib\DrawingSeed_Electrical.dgnlib***
   - Updated ***\dgnlib\DrawingSeed_General.dgnlib***
   - Updated ***\dgnlib\DrawingSeed_Mechanical.dgnlib***
   - Updated ***\dgnlib\DrawingSeed_Structural.dgnlib***

   Steps:

   a. Note down the existing Saved View Names and Descriptions that are to be recreated.
   b. Delete the Detail Saved Views and corresponding Drawings and Sheets that are to be recreated.
   c. Create a 2D Detailed Views from the Plan or Section.
   d. Make sure that the "3D Detail" is toggled off (this is recommended for Building workflow).
   e. Create Drawing:
      - Name = one of the views that you deleted

- Drawing Seed = none
- Set Discipline and Purpose
- Check on “Create Drawing Model” and “Create Sheet Model”
- Set the appropriate Annotation and Detail Scale.
- Select “Open Model”

f. In the Sheet, recall the model properties for that sheet, and verify the border attachment is bond to the proper size

g. Return to the parent Drawing where you defined the Detail Callout, disable the show callout option from the markers menu.

h. Repeat as necessary, until all Detail seeds are defined

i. Compress all Drawing seeds using all Option and including references

Recommended Dataset Changes:

1. Added Wall Annotation Tags,
   - Added supporting cells to **\cell\Annotation_DG.cel**
   - Updated ***\setting annotationoverrides.xml***
2. Added images, depicting the structural section dimensions as they correspond to the sizing chart
   - Updated ***\data\StructuralShapesTemplate.xls***
3. Corrected Part definition and structural material for Slab catalog “Composite Slab”
   - Updated ***\datagroupcatalogs\Slabs.xml***
     - Edit line 28 to read:
       <Property definition="ObjectMaterial" name="ObjectMaterial/@PartDefinition"
       value="Composite::Slabs"/>
     - Edit line 47 to read:
       <Property definition="ObjectStructuralUsage" name="ObjectStructuralUsage/@StructuralMaterial"
       value="Composite"/>
4. Added Aluminum Beam and Column Datagroup catalog to support ISM import. Correct Phasing values, accidently delivered as not editable
   - Updated ***\datagroupcatalogs\StructuralFramingCatalog_Imperial.xml***
5. Changed quantity values to be hidden in catalogs and not editable.
   - Updated ***\datagroupcatalogs\CurtainWalls.xml***
6. Added Wall Center Quantities.. (AreaCenterGross & AreaCenterNet),Changed values to be hidden in catalogs and added display names,
   - Updated ***\datagroupcatalogs\Walls.xml,***
   - Updated ***\datagroupcatalogs\StructuralWalls.xml,***
   - Updated ***\datagroupcatalogs\CurtainWalls.xml***
   - Updated ***\datagroupsystemDisplayNames_Architectural.xml*** (removed WallQuantities display name entries and loaded them in at the system level)

   Steps:

   a. Open the DG Catalog Editor. For every Wall catalog item, do the following:
   b. Check on the Hidden Toggle of the AreaCenterNet and AreaCenterGross properties.
   c. Check off the Editable toggle for all Quantification properties.
   d. Save the changes.
7. Added new “Halftone” Display Style, to be used for plan backgrounds and Compressed Design (with all options). Updated ***\dgnlib\DisplayStyles.dgnlib***
8. Compressed .dgnlibs and support directories (\dgnlib\DrawingSeedSamples).

9. Correct the misspelling of two xml file by removing the extra 't' (Red)
   …\ \WorkSpace\BuildingDatasets\Dataset_US\datagroupsystem
   Before:
   _Dataset_catalogtypeetxts_Mechanical.xml
   _Dataset_catalogtypeetxts_Plumbing.xml
   After:
   _Dataset_catalogtypeexts_Mechanical.xml
   _Dataset_catalogtypeexts_Plumbing.xml

10. Updated Level Libraries
    - Levels_Architectural.dgnlib - Added new Level A-AREA (Area: Perimeter)
    - Levels_Structural.dgnlib - Added new Level S-GRID (Column Grid)
    - Levels_General.dgnlib - Fixed (recreated) G-ANNO-NPLT (Annotation: Non-Plotting Level)
    - Levels_Plumbing.dgnlib - Fixed Description P-ANNO-NPLT (Plumbing: Non-Plotting Level)
11. Corrections to the parts:
    Remapped part centerline symbology from "Level 1" to "Default" and Reassigned orphaned levels to valid dgnlib levels
    - Architectural_parts.xml
    - Mechanical_parts.xml
    - Plumbing_parts.xml
    - Structural_parts.xml

Recommend Project Configuration File (.pcf) Changes:

- Updated ***\Projects\BuildingExamples\BuildingSample_XX.pcf***
- Updated ***\Projects\BuildingExamples\BuildingTemplate_XX.pcf***

1. Added **NEW** search path configuration variables:
   # BB_ECQUERY_PATH: Specifies the search path for saved EC Queries used with drawing rules
   # BB_ECQUERY_PATH < $(PROJ_DATASET)rules/

   # BB_CELL_SYMBOL_PATH: Specifies the search path for cell symbols used within drawing rules
   # BB_CELL_SYMBOL_PATH < $(PROJ_DATASET)cell/

2. Corrected misspelling of electricaldatabase directory, removing the extra 's' (electricaldatasbase) in the directory name

   # BBES_DBDIR: Specifies the location of the project database for BBES
   # BBES_DBDIR = $(PROJ_DATASET)electricaldatabase/