



LOS ANGELES COMMUNITY COLLEGE DISTRICT
DEPARTMENT OF FACILITIES PLANNING AND DEVELOPMENT
SUSTAINABLE BUILDING PROGRAM

Form DES-0002-E: Parameter ID Definitions for the BIM Asset Data Matrix DES-0002-D Spreadsheet

TO USE: Print this page and DES-0002-D in color at 11x17". Turn this page 90° Counter-Clockwise and align the blue and yellow Object Information found below in this form with the blue and yellow object metadata defined at the top of DES-0002-D. See additional instructions at the bottom of this sheet.

Object Information Needed ↓	Responsible Discipline	Input Phase	Object Parameter Use	Object Parameter Name	Instance or Type Parameter	Parameter Subcategory	Object Parameter Units	Object Parameter Example(s)	Revit Object Parameter Location	Is Parameter used in Asset Data (COBie) Spreadsheet? Parameter Location in Asset Data (COBie) Spreadsheet?
Name	Architect / Engineer	100% DD	Description	Type (Name identified in Type Properties, as in Family and Type)	Type	NA	(text)	AHU	Revit Default	NO (COBie.Type.Name used instead)
Element Description	Architect / Engineer	100% DD	Description	Description	Type	Identity Data	(text)	Air Handling Unit	Revit Default	NO (COBie.Type & COBie.Component Description used instead)
ID Tag	Architect / Engineer	100% DD	Description	Mark	Instance	Identity Data	(text)	AHU-3	Revit Default	NO (COBie.Component.Name used instead)
Location (Room Name; Room Number and other info)	Architect / Engineer	Prior to DSA Submission	Description	COBie.Space.Name (add in Revit <u>Space</u> properties, not in Room or Object properties)	Instance	Data	(text)	Mechanical Rm 305	COBie Toolkit	YES - Component tab: Space ; Space tab: Name
Floor Number (Level)	Architect / Engineer	Prior to DSA Submission	Description	Level	Type	Constraints	(text)	Level 2; Roof	Revit Default	YES - Space tab: Floor Name
Mounting Height (Placement)	Architect / Engineer	Prior to DSA Submission	Description	Offset (Not required to be scheduled. Offset of object in model to be correct)	Instance	Constraints	NA	NA	Revit Default	NO (Note: Offset data does not schedule)
Size (Dimension / Thickness)	Architect / Engineer	Prior to DSA Submission	Description	Dimensions (as identified in Type Properties), or (optional) in COBie.Type.Size	Type	Dimensions	Inches	100"x87"x335"	Revit Default	YES - Type tab: Size (if COBie.Type.Size used)
Type Name	Architect / Engineer	100% DD	Description	COBie.Type.Name	Type	NA	(text)	AHU	COBie Toolkit	YES - Type tab: Name ; Component tab: TypeName
Material	Architect / Engineer	Prior to DSA Submission	Description	COBie.Type.Material	Type	Data	(text)	Copper	COBie Toolkit	YES - Type tab: Material
Quantity	Architect / Engineer	100% DD	Description	NA - Object correctly quantified in model	NA	NA	NA	NA	NA	NA
Omniclass 2010 Table 21 (Uniformat)	Architect / Engineer	Prior to DSA Submission	Description	Omniclass_2010_21	Type	Identity Data	(text)	21.04.30.50.50	User Added	NO
Omniclass 2010 Table 23 Category	Architect / Engineer	Prior to DSA Submission	Description	COBie.Type.Category	Type	Data	(text)	23.33.25.00	COBie Toolkit	YES - Type tab: Category
System and Zone Information	Architect / Engineer	Prior to DSA Submission	Description	Space Name and Space Number (Revit Analytical Space) Linked to a Zone	Instance	Identity Data	(text)	Mechanical Rm; 305	Revit Default	NO (COBie.Space.Name used instead)
Clearance Requirements	Architect / Engineer	Prior to DSA Submission	Description	NA - Clearance Requirements should be modeled	NA	NA	NA	NA	NA	NA
Design / Performance Metadata (Created during design and verified/updated during Construction)	Architect / Engineer & Contractor / Installer	100% DD and Installation or Construction Substantial Completion	Performance	Parameters vary, and are created for scheduling using revit objects	varies	varies	varies	varies	varies	NO
Type Name (Repeat of "Type Name" above)	Architect / Engineer	100% DD	Description	COBie.Type.Name	Type	NA	(text)	AHU	Revit Default	YES - Type tab: Name ; Component tab: TypeName
Omniclass 2010 Table 23 Category (Repeat)	Architect / Engineer	Prior to DSA Submission	Description	COBie.Type.Category	Type	Data	(text)	23.33.25.00	COBie Toolkit	YES - Type tab: Category
Type Description (define for COBie Type Schedule)	Architect / Engineer	Prior to DSA Submission	M&O	COBie.Type.Description	Type	Data	(text)	Haakon Outdoor AHU	COBie Toolkit	YES - Type tab: Description
Asset Type (Fixed / Moveable)	Architect / Engineer	Prior to DSA Submission	M&O	COBie.Type.AssetType	Type	Identity Data	Pick List	Fixed or Moveable	COBie Toolkit	YES - Type tab: AssetType
Manufacturer	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Type.Manufacturer	Type	Data	(text)	Haakon	COBie Toolkit	YES - Type tab: Manufacturer
Model Number	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Type.ModelNumber	Type	Data	(text)	AH374959694	COBie Toolkit	YES - Type tab: ModelNumber
Warranty Guarantor Parts	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Type.WarrantyGuarantorParts	Type	Data	(text)	XYZ Mechanical	COBie Toolkit	YES - Type tab: WarrantyGuarantorParts
Warranty Duration Parts (in months)	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Type.WarrantyDurationParts	Type	Data	Months	48 Months	COBie Toolkit	YES - Type tab: WarrantyDurationParts
Warranty Guarantor Labor	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Type.WarrantyGuarantorLabor	Type	Data	(text)	XYZ Mechanical	COBie Toolkit	YES - Type tab: WarrantyGuarantorLabor
Warranty Duration Labor (in months)	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Type.WarrantyDurationLabor	Type	Data	Months	48 Months	COBie Toolkit	YES - Type tab: WarrantyDurationLabor
Manufacturer's Warranty Duration (if different from Contractor warranty)	Contractor / Installer	Installation or Const. Sub. Completion	M&O	Manufacturer.WarrantyDuration	Type	Identity Data	Months	NA	User Added	YES - User Added to Spreadsheet in Type tab
Replacement Cost	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Type.Replacement.Cost	Type	Data	Dollars	\$55,000.00	COBie Toolkit	YES - Type tab: ReplacementCost
Expected Life (in months)	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Type.ExpectedLife	Type	Data	Months	180 Months	COBie Toolkit	YES - Type tab: ExpectedLife
Component Name (define for COBie Component Name in spreadsheet)	Architect / Engineer	100% DD	Description	COBie.Component.Name	Instance	Data	(text)	AHU-3	COBie Toolkit	YES - Component tab: Name
Floor Number (Level) (Repeat of "Floor Number" above)	Architect / Engineer	Prior to DSA Submission	Description	Level	Type	Constraints	(text)	Roof	Revit Default	YES - Space tab: Floor Name
Type Name (Repeat of "Type Name" above)	Architect / Engineer	100% DD	Description	COBie.Type.Name	Type	NA	(text)	AHU	COBie Toolkit	YES - Component tab: TypeName ; Type tab: Name
Location (Space Name) (Repeat of "Location" above)	Architect / Engineer	Prior to DSA Submission	Description	COBie.Space.Name (add in Revit <u>Room</u> or <u>Space</u> properties, not in Object properties)	Instance	Data	(text)	Mechanical Rm 305	COBie Toolkit	YES - Component tab: Space ; Space tab: Name
Component Description (define for COBie Component Schedule)	Architect / Engineer	Prior to DSA Submission	Description	COBie.Component.Description	Instance	Data	(text)	Haakon Outdoor AHU	COBie Toolkit	YES - Component tab: Description
Serial Number	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Component.SerialNumber	Instance	Data	(text)	12-33999933-99	COBie Toolkit	YES - Component Tab: SerialNumber
Installation Date	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Component.InstallationDate	Instance	Data	mm-dd-yyyy	9/17/2014	COBie Toolkit	YES - Component Tab: InstallationDate
Warranty Start Date	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Component.WarrantyStartDate	Instance	Data	mm-dd-yyyy	10/25/2014	COBie Toolkit	YES - Component Tab: WarrantyStartDate
Tag Number (Contractor or Installer's Tag, if applicable)	Contractor / Installer	Installation or Const. Sub. Completion	M&O	COBie.Component.TagNumber	Instance	Data	(text)	301.2	COBie Toolkit	YES - Component Tab: TagNumber
Barcode / RFID Tag	Campus Facilities	Installation or Const. Sub. Completion	M&O	COBie.Component.BarCode	Instance	Identity Data	(text)	3000345153	COBie Toolkit	YES - Component Tab: BarCode
Asset Identifier	Campus Facilities	Installation or Const. Sub. Completion	M&O	COBie.Component.AssetIdIdentifier	Instance	Data	(text)	855555	COBie Toolkit	YES - Component Tab: AssetIdentifier

INSTRUCTIONS: Form DES-0002-E is designed to work with, and explain further, the placement of Object Information Metadata in form DES-0002-D. Once both documents are printed in color at 11x17", this form is a "key" to align with the blue and yellow Object Metadata defined at the top of DES-0002-D. That Object Metadata information is expanded upon, so teams know who is suggested to enter the metadata, when (at what phase) to insert the metadata, what parameter (Revit, COBie Toolkit, or User-Added) to use to best define the metadata, and how the data should be defined.