Appendix C: Element Attribute Dictionary

C.2 Attributes Set [1, 2]

(Contact SFO BIM Integration Team for latest version)

TABLES[3]	ATTRIBUTE READABLE NAME	DESCRIPTION	EXAMPLE
COMMON ATTRIBUTES[4]			
PROJECT INFORMATION	SFO_BuildingName	Name of building or terminal	International Terminal (IT)
	SFO_BuildingNumber	Building number (as applicable)	N/A
	SFO_BuildingCode	Building code for terminal or building (as applicable)	IT
	SFO_BoardingArea	Boarding area letter (as applicable)	N/A
	SFO_ContractorName	Contractor installing the equipment	Brady Air Conditioner
	SFO_ContractName	Name of contract	SFIA SAO
	SFO_ContractNumber	Number of contract	10009
	SFO_ProjectManager	Name of SFO Project Manager	John Doe
IDENTITY_type	SFO_Family&TypeName [6]	Name of facility asset per SFO-EAD	AC_Split_FanCoil_9000btu
	SFO_TypeDescription	Description of type, can use Omniclass Table 23 Name if applicable	Air Conditioning Unit, Split System
	SFO_OmniClassT23Number	OmniClass Table 23 Number	23-33 39 21
	SFO_CSIMasterFormat	CSI MasterFormat Number	21 11 16
	SFO_AssemblyCode	Uniformat Number or Assembly Code	D3050
	SFO_AssetClass	To be provided by SFO	AIRC
IDENTITY_instance	SFO_ParentChild	Number of equipment in hierarchy (as applicable)	Fan Coil Unit-ITFC510, Condenser-ITCU510
	SFO_CreatedBy	Model author	Dimitry Y.
	SFO_CreatedOn	Model authoring date	5/17/2016
	SFO_BIMUniqueID	Revit generated GUID	7D4C2370-9205-4327-9D8B-376D635E5ECA
	SFO_Tag	Drawing Tag	ITFC510
	SFO_AssetID	To be provided by SFO	AIRC510
LOCATION_instance	SFO_LevelNumber	Include in Room Number	5
	SFO_RoomNumber	Follow Space Naming and Numbering Guideline	IT.5.SSR
	SFO_RoomName	If applicable	N/A
	SFO_AreaServed	Equivalent to Revit Space: Zone property	N/A
ASSET_type	SFO_Manufacturer	Name of Manufacturer per approved Submittal	Daikin
	SFO_ModelNumber	Model Number from Manufacturer and per approved Submittal	FTXSO9LVJU
	SFO_Capacity	Capacity of equipment (as applicable)	9000 BTU
	SFO_AssetWeight	Weight of the equipment	20 pounds
	SFO_ExpectedLife	Usable life as specified in equipment cutsheet	N/A
	SFO_O&MManual	O&M Manual for equipment	www.daikin.com
	SFO_PartsList	Parts List for equipment	www.daikin.com
	SFO_AssetType	Equipment, Facility, Vehicles, Infrastructure, Sewer, Electric Structure	Equipment
	SFO_ReplacementCost	Unit Cost of equipment	$2,000

TABLES[3]	ATTRIBUTE READABLE NAME	DESCRIPTION	EXAMPLE
ASSET_instance	SFO_SerialNumber	Serial Number as specified by Manufacturer	E003350
	SFO_ModelYear	Year of equipment model	2015
	SFO_AssetHeight	Height of the equipment at which it is installed	8'6"
	SFO_Barcode	As applicable	N/A
	SFO_RFID	As applicable	N/A
	SFO_SubmittalItem	Link to Submittal PDF or similar	www.abc.com
	SFO_CommisioningReport	Link to Commissioning Report or similar	N/A
WARRANTY_type	SFO_WarrantySpecSection	Link to warranty specification or similar	
	SFO_WarrantyGuarantorParts	Name of warranty for parts	Daikin
	SFO_WarrantyDurationParts	Duration of warranty for parts	10 years
	SFO_WarrantyGuarantorLabor	Name of warranty for labor	Brady Air Conditioner
	SFO_WarrantyDurationLabor	Duration of warranty for labor	2 years
	SFO_WarrantyDescription	Description of warranty	labor and parts
WARRANTY_instance	SFO_InstallDate	Date of installation of equipment	4/20/2016
	SFO_WarrantyStartDate	Date of warranty start	5/1/2016
	SFO_WarrantyEndDate	Date of warranty end	5/1/2018
SPECIFICATIONS_type	SFO_SustainabilityPerformanceSpec	URL to PDF, specify location of document as applicable	
	SFO_AccessibilityPerformanceSpec	URL to PDF, specify location of document as applicable	
	SFO_CodePerformanceSpec	URL to PDF, specify location of document as applicable	

FACILITY ASSET ATTRIBUTES [5]

MOTOR_type	SFO_NumberofMotors	Number of motors	1
	SFO_MotorManufacturer	Manufacturer of motor	Daikin
	SFO_MotorModelNo	Model number of motor	RXS09LVJU
	SFO_MotorSerialNo	Serial Number of motor	E004287
	SFO_ShaftSize	Motor shaft size	N/A
	SFO_Frame	Frame size of motor	N/A
	SFO_FramePartNumber	Part Number of frame	N/A
	SFO_Starter	Starter	N/A
	SFO_FuelType	Type of fuel for motor	N/A
	SFO_PulleySize	Size of pulley of motor	N/A
	SFO_FanRPM	RPM for fan of motor	N/A
MECH-PARTS_type	SFO_DriveType	Drive types for motor: Belt, Chain, Flex-coupling, Direct	Direct
	SFO_DriveBeltSize	Belt size of motor	N/A
	SFO_DriveBeltQuantity	Quantity	N/A
	SFO_DriveBeltPartNumber	Part Number	N/A
	SFO_FilterSize	Type of filter (can be more than one type)	Washable
	SFO_FilterQuantity	Quantity	2
	SFO_FilterPartNumber	Part Number (separate line item, if different)	N/A
	SFO_Lubricant	Lubricant type	N/A
	SFO_Refrigerant	Refrigerant type	R410A

TABLES[3]	ATTRIBUTE READABLE NAME	DESCRIPTION	EXAMPLE
ELECTRICAL_type	SFO_Size	Wire guage size	
	SFO_Control	Control system: Pressure, Float, Limit switch, Photocell, Thermostat, PLV/VFD	Thermostat
	SFO_Power	Power (HP)	
	SFO_Voltage	Voltage	208V
	SFO_Amps	Amperage	4.33A
	SFO_Phase	Phase of electrical power	1
ELEC-PANEL_instance	SFO_PanelFedBy	Panel supplying electricity	PNL17ZP12
	SFO_Circuit	Circuit	
	SFO_PanelLocation	Location of panel	CBT Room

Notes:
1. Project teams must develop strategy and technical implementation for model data collection and verification. This strategy must be identified in the project team's BIM Execution Plan.
2. Appendix C.2, EAD-Attribute Set identifies the information that the Airport cares for. This list will be updated. Project teams must contact the SFO-BIT for the latest version of this appendix prior to execution.
3. The Tables column identifies the recommended implementation as Revit schedules. The attributes are categorized as "type" and "instance" properties in Revit. Refer to Key Definitions of the BIM Guide for definitions for Revit type and instance properties.
4. Common Attributes include information that several SFO stakeholders are interested in. Project teams must deliver this information digitally for all building components, and as applicable, include the data in BIM for facility assets identified in specification document 01 78 23.23: Equipment Inventory Spreadsheet.
5. Facility Asset Attributes include additional information required by SFO Facility Scheduling and Maintenance. Project teams must include the data in BIM for facility assets per specification document 01 78 23.23: Equipment Inventory Spreadsheet.
6. Refer to Element Attribute Dictionary - Naming Conventions for Family and Type Name