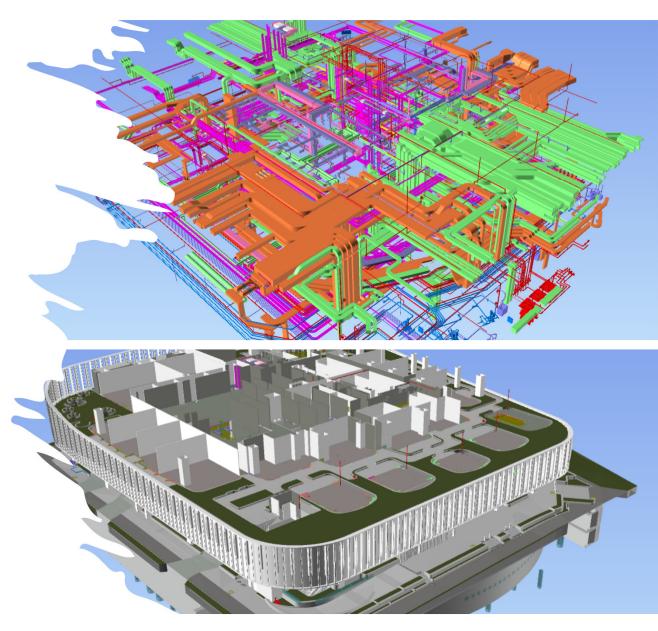
Sharing of CORENET X trial with BCA (MEP)

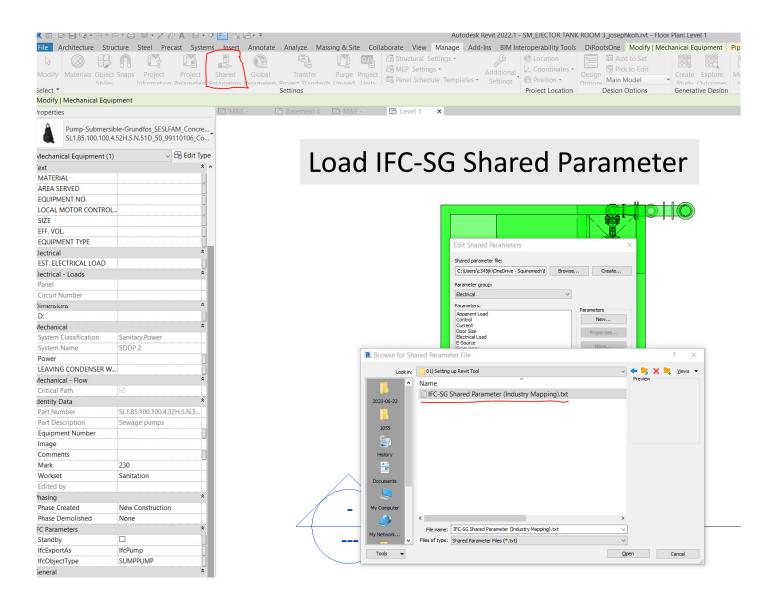
- 1. Introduction about the project
- 2. How to add IFC parameters
- 3. Conclusion
- 4. QnA

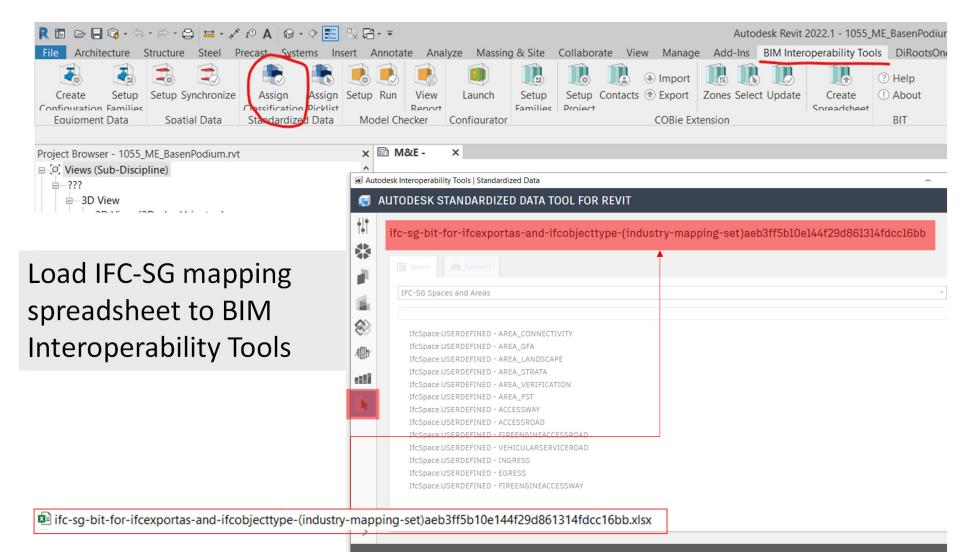
Introduction about the project

PROPOSED MIXED-USE DEVELOPMENT COMPRISING OF A 63-STOREY TOWER **BLOCK WITH A 2-STOREY PODIUM FOR** SHOP & RESTAURANT USE, 1ST STOREY FOR OFFICE/ HOTEL/ RESIDENTIAL LOBBIES WITH PLAZA SPACE AND OFFICE, HOTEL (11 RMS) AND **RESIDENTIAL FLATS (215 UNITS) WITH** TERRACES, COMMUNAL SKY ANCILLARY FACILITIES AND 4 BASEMENT CONSISTING AN UNDERGROUND PEDESTRIAN LINK (UPL) AND BASEMENT CARPARK TS30 ON LOT 00144C & 00147V AT 8 SHENTON WAY (DOWNTOWN CORE PLANNING AREA)



Setup





🗙 Close

🖌 Assign

Check for MEP IFC parameter needed

					industry-ma	pping-2-jul-2023.xls	x • Saved ∽					
A	В	C	D	Н		J	ĸ	L	M	N	0	P
Agency	Identified Component	Identified parameters	Revit Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set ▼	Property Name	Property Type	Property Unit	IFC4 Material Set 💌	Sample Value for Reference
0	Unitary Equipment	IN.A	wechanical Equipment	WILF	nconitarycquipment	weed not specify	N.A	1.6	11.6	11.24	N.A	N.A
1 PUB	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
2 SCDF	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
4 URA	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
5 PUB	Pump	Capacity	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Capacity	VolumetricFlowRate	L/s	N.A	N.A
3 PUB	Pump	Duty	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Duty	Boolean	N.A	N.A	TRUE/FALSE
4 PUB	Pump	Standby Pump	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Standby	Boolean	N.A	N.A	TRUE/FALSE
5 PUB	Pump	Flow Rate	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	FlowRate	VolumetricFlowRate	N.A	N.A	N.A
6 SCDF	Security Lighting	N.A	Lighting Fixtures	MEP	IfcLightFixture	SECURITYLIGHTING	N.A	N.A	N.A	N.A	N.A	N.A
7 SCDF					IfcSensor	*FLAMEDETECTOR	SGPset_Sensor	SmokeDetectorType			N.A	Point Type/ Optical
8 SCDF	Sensor	N.A			IfcSensor	*HEATDETECTOR	N.A	N.A	N.A	N.A	N.A	N.A
9 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	*SMOKEDETECTOR	N.A	SmokeDetectorType	Label	N.A	N.A	N.A
0 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	FIRESENSOR	N.A	N.A	N.A	N.A	N.A	N.A
1 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	GASSENSOR	N.A	N.A	N.A	N.A	N.A	N.A
2 SCDF	Sensor	Engineered Smoke Control System	Fire Alarm Devices	MEP	IfcSensor	HEATSENSOR	SGPset_Sensor	EngineeredSmokeControlSystem	Boolean	N.A	N.A	TRUE/FALSE
3 NEA	Sensor	Declaration	Mechanical Equipment	MEP	IfcSensor	LEVELSENSOR	SGPset_Sensor	Declaration	Label	N.A	N.A	N.A
4 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	MOVEMENTSENSOR	N.A	N.A	N.A	N.A	N.A	N.A
5 SCDF	Sensor	Engineered Smoke Control System	Fire Alarm Devices	MEP	IfcSensor	SMOKESENSOR	SGPset_Sensor	EngineeredSmokeControlSystem	Boolean	N.A	N.A	TRUE/FALSE
6 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	TEMPERATURESENSOR	N.A	N.A	N.A	N.A	N.A	N.A
7 PUB	Shower	N.A	Plumbing Fixtures	MEP	IfcSanitaryTerminal	SHOWER	N.A	N.A	N.A	N.A	N.A	N.A
8 PUB	Sink	N.A	Plumbing Fixtures	MEP	IfcSanitaryTerminal	SINK	N.A	N.A	N.A	N.A	N.A	N.A
9 NEA	Sprinkler (Non-Fire; for NEA)	N.A	Sprinklers	MEP	IfcSanitaryTerminal	*SPRINKLER	N.A	N.A	N.A	N.A	N.A	N.A
0 BCA	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*CHILLEDWATER	N.A	N.A	N.A	N.A	N.A	N.A
1 PUB	System	N.A	Piping Systems	MEP	IfcBuildingSystem	*DRAINAGE	N.A	N.A	N.A	N.A	N.A	N.A
2 SCDF	System			MEP	IfcDistributionSystem	*DRYRISER	N.A	N.A	N.A	N.A	N.A	N.A
0 SCDF	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*FIREPROTECTION	N.A	N.A	N.A	N.A	N.A	N.A
1 SCDF	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*HOSEREEL	N.A	N.A	N.A	N.A	N.A	N.A
2 NEA	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*POTABLEWATER	N.A	N.A	N.A	N.A	N.A	N.A
3 PUB	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*POTABLEWATER	N.A	N.A	N.A	N.A	N.A	N.A
4 PUB	System	Material	Piping Systems	MEP	IfcDistributionSystem	*POTABLEWATER	SGPset_Material	Material	Label	N.A	N.A	N.A
5 PUB	System	Diameter	Piping Systems	MEP	IfcDistributionSystem	*POTABLEWATER	SGPset_PipeSegmentDimension	Diameter	Length	mm	N.A	N.A
6 PUB	System					*POTABLEWATER	SGPset_PipeSegmentDimension	Length	Length	mm	N.A	N.A
7 NEA	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*RAINWATER	N.A	N.A	N.A	N.A	N.A	N.A
8 NEA	System	Diameter	Piping Systems	MEP	IfcDistributionSystem	*RAINWATER	SGPset PipeSegmentDimension	Diameter	Length	mm	N.A	N.A

Filter and sort MEP items that need IFC parameters

	A	В	С	D	н	1	J	
1	Agency	Identified Component	Identified parameters	Revit Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Prope
6	PUB	Bidet	N.A	Plumbing Fixtures	MEP	IfcSanitaryTerminal	BIDET	N.A
15	SCDF	Breeching Inlet	Hose Nominal Diameter	Plumbing Fixtures	MEP	IfcFireSuppressionTerminal	BREECHINGINLET	SGPset
16	SCDF	Breeching Inlet	ID	Plumbing Fixtures	MEP	IfcFireSuppressionTerminal	BREECHINGINLET	SGPset
17	SCDF	Control Element	N.A	Electrical Equipment	MEP	IfcUnitaryControlElement	*AUTOMATICRESCUEDEVICE	N.A
18	SCDF	Control Element	N.A	Electrical Equipment	MEP	IfcUnitaryControlElement	*LIFTSUPERVISORYPANEL	N.A
19	SCDF	Control Element	Fire Alarm Panel	Electrical Equipment	MEP	IfcUnitaryControlElement	ALARMPANEL	SGPse
20	SCDF	Control Element	Purpose	Electrical Equipment	MEP	IfcUnitaryControlElement	ALARMPANEL	SGPse
22	SCDF	Control Element	Smoke Control Panel	Electrical Equipment	MEP	IfcUnitaryControlElement	ALARMPANEL	SGPse
23	SCDF	Control Element	Engineered Smoke Control System	Electrical Equipment	MEP	IfcUnitaryControlElement	CONTROLRANEL	SGPse
24	SCDF	Control Element	Smoke Purging	Electrical Equipment	MEP	IfcUnitaryControlElement	CONTROLPANEL	SGPse
26	SCDF	Control Element	Alarm Panel	Electrical Equipment	MEP	IfcUnitaryControlElement	GASDETECTIONPANEL	SGPse
28	URA	Control Panel	N.A	Electrical Equipment	MEP	IfcUnitaryControlElement	CONTROLPANEL	N.A
29	NEA	Control Panel	Flushing	Electrical Equipment	MEP	IfcUnitaryControlElement	CONTROLPANEL	SGPse
31	PUB	Culvert	Public	Generic Models	MEP	IfcCivilElement	CULVERT	SGPse
33	PUB	Culvert	Diameter	Generic Models	MEP	IfcCivilElement	CULVERT	SGPse
34	PUB	Culvert	Height	Generic Models	MEP	IfcCivilElement	CULVERT	SGPse
35	PUB	Culvert	Length	Generic Models	MEP	IfcCivilElement	CULVERT	SGPse
37	PUB	Culvert	Thickness	Generic Models	MEP	IfcCivilElement	CULVERT	SGPse
38	PUB	Culvert	Width	Generic Models	MEP	IfcCivilElement	CULVERT	SGPse
40	SCDF	Damper	Fire Rating	Duct Accessories	MEP	IfcDamper	FIREDAMPER	SGPse
43	SCDF	Damper	Engineered Smoke Control System	Duct Accessories	MEP	IfcDamper	FIRESMOKEDAMPER	SGPse
45	SCDF	Damper	N.A	Duct Accessories	MEP	IfcDamper	SMOKEDAMPER	SGPse
46	NEA	Distribution Chamber	N.A	Plumbing Fixtures	MEP	IfcDistributionChamberElement	*PWCSINSPECTIONCHAMBER	N.A
47	NEA	Distribution Chamber	N.A	Plumbing Fixtures	MEP	IfcDistributionChamberElement	*PWCSMANHOLE	N.A
48	PUB	Distribution Chamber	Depth	Plumbing Fixtures	MEP	IfcDistributionChamberElement	INSPECTIONCHAMBER	SGPse ment[
49	PUB	Distribution Chamber	Diameter	Plumbing Fixtures	MEP	IfcDistributionChamberElement	INSPECTIONCHAMBER	SGPse ment
50	PUB	Distribution Chamber	Height	Plumbing Fixtures	MEP	IfcDistributionChamberElement	INSPECTIONCHAMBER	SGPse ment

	с	D	н	
lentif	ied parameters	Revit Representation	Discipline	
	<mark>2</mark> ↓ <u>S</u> ort A to Z			IfcSa
e No	Z↓ S <u>o</u> rt Z to A	0		IfcFir
	Sor <u>t</u> by Cold	or	>	IfcFir
	Sheet <u>V</u> iew		>	IfcUn IfcUn
e Ala pos€	Clear Filter	From "Discipline"		IfcUn IfcUn
oke (F <u>i</u> lter by Col	or	>	IfcUn
inee itrol	Text <u>F</u> ilters		>	IfcUn
oke I rm P	Search			IfcUn IfcUn
	✓ Selec			IfcUn
shini				IfcUn IfcCiv
meti		al Works		IfcCiv
ght	MEP			IfcCiv
gth	STR	_		IfcCiv
ckne				IfcCiv
ith Rat				IfcCiv IfcDa
inee				IfcDa
				IfcDa
				IfcDi:
		OK	Cancel	IfcDi
oth 🗆				IfcDi:

				Sort						?	×		
	A	В	C	+ <u>A</u> dd	Level × Delete	e Level [È Copy Level	Option	s 🗹 N	/ly data has <u>h</u> ead	ers		
1	Agen <mark>cy</mark>	Identified Component	dentified pa	Column		S	ort On		Order				
6	PUB	Bidet	N.A	Sort by	Identified Compo	one 🗸 🛛 🔾	Cell Values	~	A to Z		~		
15	SCDF	Breeching Inlet	Hose Nominal	Then by	Identified Compo	onent	^	~	A to Z				
16	SCDF	Breeching Inlet	D		Identified param Revit Representa								
17	SCDF	Control Element	N.A		Archicad Represe								
18	SCDF	Control Element	N.A		Tekla Structures F		tion						
19	SCDF	Control Element	Fire Alarm Pan						014				
20	SCDF	Control Element	Purpose		Bentley OpenBuil	laings kep	resentation		OK	Cancel			
22	SCDF	Control Element	Smoke Control	nel	Discipline								
23	SCDF	Control Element	Engineered Sm Control System	her	IFC4 Entities IFC Sub Types (*	Sort						?	×
24	SCDF	Control Element	Smoke Purging		Property Set		Level X Delete Level		امريم البريم			data bas ba	
26	SCDF	Control Element	Alarm Panel			$+ \underline{A}$ dd	Level <u>D</u> elete Level		py Level		ons 🗹 My	data has <u>h</u> e	eaders
	URA	Control Panel	N.A		Property Name								
29	NEA	Control Panel	Flushing		Property Type	Column		Sort O	n		Order		
31	PUB	Culvert	Public		Inickness	Sort by	Identified Compone ~	Cell Va	alues	~	A to Z		~
33	PUB	Culvert	Diameter				Identified compone	Cenve	nues	Ľ	7.02		
34	PUB	Culvert	Height			Then by	IFC Sub Types (* = U ~	Cell Va	alues	~	A to Z		\sim
35	PUB	Culvert	Length										
37	PUB	Culvert	Thickness				Archicad Representatio		^				
38	PUB	Culvert	Width			N	Tekla Structures Repres	entation					
40	SCDF	Damper	Fire Rating				Bentley OpenBuildings	Represen	tation				
43	SCDF	Damper	Engineered Sm Control System				Discipline IFC4 Entities				OK	Canc	el
45	SCDF	Damper	N.A										
46	NEA	Distribution Chamber	N.A			nel	IFC Sub Types (* = USE	RDEFINED)) n	nent MEP	IfcUnitaryC	ontrolEleme	ent
47	NEA	Distribution Chamber	N.A				Property Set		5	MEP	IfcCivilElen	nent	
48	PUB	Distribution Chamber	Depth				Property Name		5	MEP	IfcCivilElen		
49	PUB	Distribution Chamber	Diameter				Property Type Property Unit		5	MEP MEP	IfcCivilElen IfcCivilElen		
							IFC4 Material Set		5	MEP	IfcCivilElen	nent	
50	PUB	Distribution Chamber	Height				Sample Value for Refer	ence	~ ;	MEP	IfcCivilElen	nent	

Add MEP IFC parameter

A	В	С	D	н	1		К		M	N	0	р
Agency	Identified Component	Identified parameters	Revit Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set	Property Name	Property Type	Property Unit	IFC4 Material Set 💌	Sample Value for Reference
0	Unitary Equipment	IN A	mechanical equipment	WILF	nconitarycquipment	weednotspecity	19.65	D. A	IN-A	13.24	IN A	INGA
1 PUB	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
2 SCDF	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
4 URA	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
5 PUB	Pump	Capacity	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Capacity	VolumetricFlowRate	L/s	N.A	N.A
3 PUB	Pump	Duty	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Duty	Boolean	N.A	N.A	TRUE/FALSE
4 PUB	Pump	Standby Pump	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Standby	Boolean	N.A	N.A	TRUE/FALSE
5 PUB	Pump	Flow Rate	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	FlowRate	VolumetricFlowRate	N.A	N.A	N.A
6 SCDF	Security Lighting	N.A	Lighting Fixtures	MEP	IfcLightFixture	SECURITYLIGHTING	N.A	N.A	N.A	N.A	N.A	N.A
7 SCDF	Sensor	Smoke Detector Type	Fire Alarm Devices	MEP	IfcSensor	*FLAMEDETECTOR	SGPset_Sensor	SmokeDetectorType	Label	N.A	N.A	Point Type/ Optical
8 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	*HEATDETECTOR	N.A	N.A	N.A	N.A	N.A	N.A
9 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	*SMOKEDETECTOR	N.A	SmokeDetectorType	Label	N.A	N.A	N.A
0 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	FIRESENSOR	N.A	N.A	N.A	N.A	N.A	N.A
1 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	GASSENSOR	N.A	N.A	N.A	N.A	N.A	N.A
2 SCDF	Sensor	Engineered Smoke Control System	Fire Alarm Devices	MEP	IfcSensor	HEATSENSOR	SGPset_Sensor	EngineeredSmokeControlSystem	Boolean	N.A	N.A	TRUE/FALSE
3 NEA	Sensor	Declaration	Mechanical Equipment	MEP	IfcSensor	LEVELSENSOR	SGPset_Sensor	Declaration	Label	N.A	N.A	N.A
4 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	MOVEMENTSENSOR	N.A	N.A	N.A	N.A	N.A	N.A
5 SCDF	Sensor	Engineered Smoke Control System	Fire Alarm Devices	MEP	IfcSensor	SMOKESENSOR	SGPset_Sensor	EngineeredSmokeControlSystem	Boolean	N.A	N.A	TRUE/FALSE
6 SCDF	Sensor	N.A	Fire Alarm Devices	MEP	IfcSensor	TEMPERATURESENSOR	N.A	N.A	N.A	N.A	N.A	N.A
7 PUB	Shower	N.A	Plumbing Fixtures	MEP	IfcSanitaryTerminal	SHOWER	N.A	N.A	N.A	N.A	N.A	N.A
8 PUB	Sink	N.A	Plumbing Fixtures	MEP	IfcSanitaryTerminal	SINK	N.A	N.A	N.A	N.A	N.A	N.A
NFA	Sprinkler (Non-Fire; for NEA)	N.A	Sprinklers	MEP	IfcSanitaryTerminal	*SPRINKLER	N.A	N.A	N.A	N.A	N.A	N.A
0 BCA	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*CHILLEDWATER	N.A	N.A	N.A	N.A	N.A	N.A
1 PUB	System	N.A	Piping Systems	MEP	IfcBuildingSystem	*DRAINAGE	N.A	N.A	N.A	N.A	N.A	N.A
2 SCDF	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*DRYRISER	N.A	N.A	N.A	N.A	N.A	N.A
0 SCDF	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*FIREPROTECTION	N.A	N.A	N.A	N.A	N.A	N.A
1 SCDF	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*HOSEREEL	N.A	N.A	N.A	N.A	N.A	N.A
2 NEA	System	N.A	Piping Systems	MEP	IfcDistributionSystem	*POTABLEWATER	N.A	N.A	N.A	N.A	N.A	N.A
3 PUB	System			MEP	IfcDistributionSystem	*POTABLEWATER	N.A	N.A	N.A	N.A	N.A	N.A
4 PUB	System	Material	Piping Systems	MEP	IfcDistributionSystem	*POTABLEWATER	SGPset_Material	Material	Label	N.A	N.A	N.A
5 PUB	System			MEP	IfcDistributionSystem	*POTABLEWATER	SGPset_PipeSegmentDimension	Diameter	Length	mm	N.A	N.A
6 PUB	System			MEP	IfcDistributionSystem	*POTABLEWATER		Length	Length	mm	N.A	N.A
7 NEA	System			MEP	IfcDistributionSystem	*RAINWATER	N.A	N.A	N.A	N.A	N.A	N.A
8 NEA	System			MEP	IfcDistributionSystem	*RAINWATER	SGPset PipeSegmentDimension	Diameter	Length	mm	N.A	N.A

IFC parameters needed

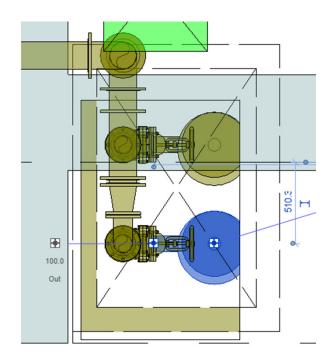
File Architecture Structure Steel—Precast Systems Insert	Annotate Analyze Massing & Site Collabo	Project Parameters ×
		Parameter Name Search:
Modify Materials Object Snap Project Project Shared	Global Transfer Purge Project	Filter
	arameters Project Standards Unused Units	Parameters available to elements in this project:
Select 👻	Settinas	60 items
Settinus	11010	Architect Address
Parameter Properties	×	ARCHITECTURAL LINK FILE Modify BP-NO
Parameter Type	Categories	Cable Tray Level Remove
O Project parameter	Category name search:	Capacity
(Can appear in schedules but not in tags)	Filter list: <multiple></multiple>	Shared Parameters
 Shared parameter (Can be shared by multiple projects and families, exported to ODBC, and 		Choose a parameter group, and a parameter.
appear in schedules and tags)	Air Mechanical	Parameter group:
Select Export	····· ☑ Anε ☑ Piping ns	IFC-SG Properties
Description Darks	Analytical Surfaces	Parameters:
Parameter Data Name:	🗹 Areas	GIS_Name GIS_PlanningArea Edit
<no parameter="" selected=""> O Type</no>	Assemblies	GIS_Region GIS_Scheme
	Audio Visual Devices	Gradient
Discipline:	Cable Tray Runs	HeadLevel Height
	Cable Trays	HorizontalRebar Hose_NominalDiameter
Type of Parameter: Values are aligned per group type	Communication Devices	ID IfcExportAs
Values can vary by group instance	Conduit Runs	IfcObjectType
Group parameter under:	Conduits	Ingress InnerDiameter
IFC Parameters V	Data Devices	InnerStirrupsLeft InnerStirrupsMiddle
Tooltip Description:	Duct Accessories	
<no a="" a<="" custom="" description.="" edit="" have="" parameter="" td="" this="" to="" tooltip="" tooltip.="" tooltips="" write=""><td></td><td>OK Cancel Help</td></no>		OK Cancel Help
	Check All Check None	
Add to all elements in the selected categories	OV Control Little	
	OK Cancel Help	

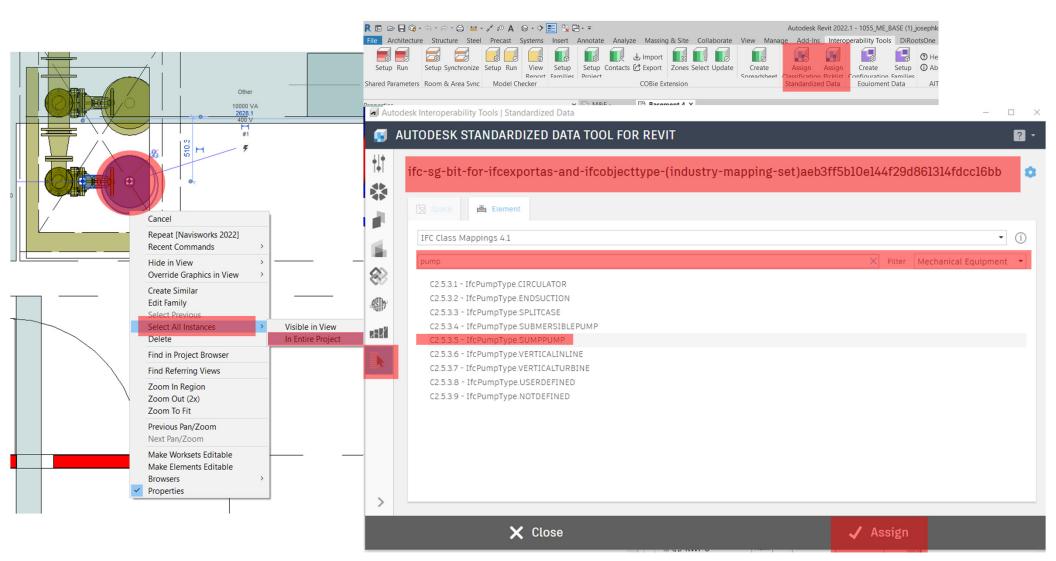
Properties	>	🗙 🗈 M&E - 📑 Bas	ement 4 × 😚 Preview	1	В		1	
	-Grundfos_SESLFAM_Concrete_Plate-M H.S.N.51D_50_99110106_Concrete_Plate				/ Identified Compor	ient IFC4	Entities	
Mechanical Equipment (1)	~ 🗄 Edit Type				Dump	IfeDum		
EFF. VOL.	·	^ <u> </u>			Pump	IfcPump		
EQUIPMENT TYPE					Pump	IfcPump		
lectrical	*				Pump	IfcPump		
EST. ELECTRICAL LOAD					Pump	IfcPump		
ectrical - Loads	*							
Panel					Pump	IfcPump		
Circuit Number					Pump	IfcPump		
lechanical	*				Pump	IfcPump		
System Classification	Sanitary,Power				Pump	nerump		
ystem Name	SDDP 2				K K			
ower EAVING CONDENSER WATE			100.0		5		<u> </u>	_
	*		out /			IFC Su	b Types	
echanical - Flow Critical Path					Identified Compor		RDEFINED)	
entity Data				(Q)	1	- I		
art Number	SL1.85.100.100.4.52H.S.N.51D				Pump	Need not specif	у	
art Description	Sewage pumps				Pump	Need not specif	v	
quipment Number								
nage					Pump	Need not specif	у	
omments					Pump	SUMPPUMP		
1ark	229				Pump	SUMPPUMP		
/orkset	Sanitation					SUMPPUMP		
lited by	josephkoh				Pump			
asing	*				Pump	SUMPPUMP		_
nase Created	New Construction		╶┼──┼╟╌┐┌╶╢					
nase Demolished	None							
Parameters	*		A 🔊	В	L	M	N	
fcGUID							Dranarti	
cExportAs			Agency	Identified Component	Property Name	Property Type	Property	
cObjectType			1 🗸	1		•	Unit 🖵	
apacity			221 0110	Dump	NI A			N.,
andby			231 PUB	Pump	N.A	N.A	N.A	
se_NominalDiameter			232 SCDF	Pump	N.A	N.A	N.A	Ν.
pLevel			234 URA	Pump	N.A	N.A	N.A	N.,
rertLevel			235 PUB	Pump		VolumetricFlowRate	L/s	N.
ferToDrawingNumber					Capacity		-	
neral	*		253 PUB	Pump	Duty	Boolean	N.A	TR
EMARKS		Н г	254 PUB	Pump	Standby	Boolean	N.A	TR
QUANTITY		-1	255 PUB		FlowRate	VolumetricFlowRate		N./
Other	*		200 000	Pump	riowhate	volumetricriowRate	N.A	IN./

Adding value to MEP IFC parameter

A	В	С	D	н	1	J	К	L	м	N	0	P
Agency	Identified Component	Identified parameters	Revit Representation	Discipline		IFC Sub Types (* = USERDEFINED)	Property Set	Property Name	Property Type	Property Unit	IFC4 Material Set 🔻	•
30	Unitary Equipment	TO A	wechanicar Equipment	WILF	ncontarycquipment	weed not specify	19.64	INCO	IN	IN A	11.25	IN A
31 PUB	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
32 SCDF	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
34 URA	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
35 PUB	Pump	Capacity	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Capacity	VolumetricFlowRate	L/s	N.A	N.A
53 PUB	Pump	Duty	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Duty	Boolean	N.A	N.A	TRUE/FALSE
54 PUB	Pump	Standby Pump	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Standby	Boolean	N.A	N.A	TRUE/FALSE
55 PUB	Pump	Flow Rate	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	FlowRate	VolumetricFlowRate	N.A	N.A	N.A
								_				

hase Demolished	None	
C Parameters	······································	*
fcGUID		
fcExportAs	IfcPump	
fcObjectType	SUMPPUMP	
Capacity	18 L/s	
Duty		
Standby		
Hose_NominalDiameter		
ГорLevel		
nvertLevel		
ReferToDrawingNumber		

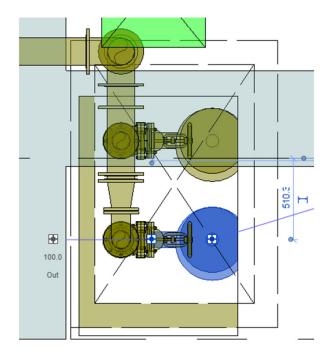




Add parameters using Autodesk BIM Interoperability Tools

A	В	С	D	н	1	J	к	L	м	N	0	р
Agency	Identified Component	Identified parameters	Revit Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set ▼	Property Name	Property Type	Property Unit	IFC4 Material Set 🔻	Sample Value for Reference
30	Unitary Equipment	13.65	mechanical coupment	WILF	ncontaryzquipment	Need not specify	10.4	11.4	11.24	IN A	11.04	11.8
31 PUB	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
32 SCDF	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
34 URA	Pump	N.A	Mechanical Equipment	MEP	IfcPump	Need not specify	N.A	N.A	N.A	N.A	N.A	N.A
35 PUB	Pump	Capacity	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Capacity	VolumetricFlowRate	L/s	N.A	N.A
53 PUB	Pump	Duty	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Duty	Boolean	N.A	N.A	TRUE/FALSE
54 PUB	Pump	Standby Pump	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	Standby	Boolean	N.A	N.A	TRUE/FALSE
55 PUB	Pump	Flow Rate	Mechanical Equipment	MEP	IfcPump	SUMPPUMP	SGPset_Pump	FlowRate	VolumetricFlowRate	N.A	N.A	N.A

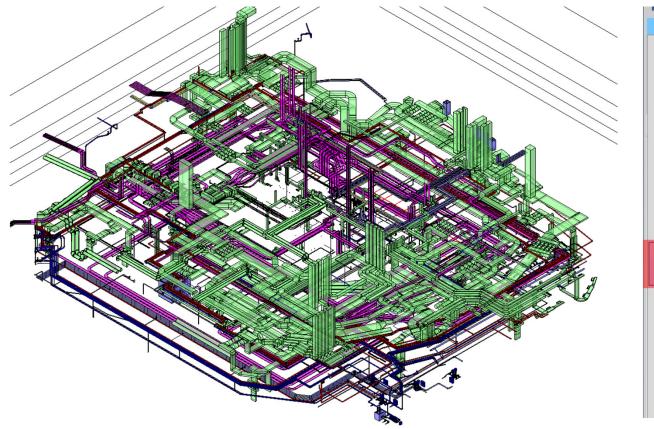
Phase Demolished	None	l
FC Parameters		*
IfcGUID		
IfcExportAs	IfcPump	
IfcObjectType	SUMPPUMP	
Capacity	18 L/s	
Duty		
Standby		
Hose_NominalDiameter		
TopLevel		
InvertLevel		
ReferToDrawingNumber		
Seneral		*

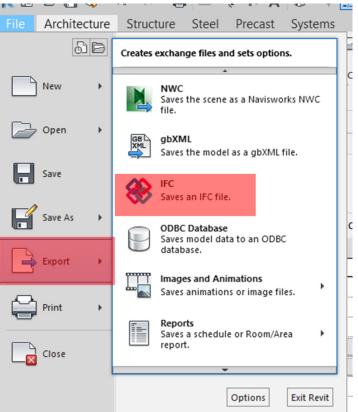


A odify Piping Systems roperties		🗈 M&E - 🗈 Basement 4 🕞 3D Coord 🚱 PUB3D MODEL × 🗧 System Browser - 1055. ME BASE (1).vvt		
Toperties	^		ies 🗸 📑 🌆	
Piping System Wat - Potable		Systems V All Disciplin	es 🗸 📑 💷	
Wat - Potable	Water(Direct)	Systems	Flow Size	Space Name
iping Systems (11)	✓ ☐ Edit Type			
lechanical	con type	tan team and the Mechanical (267 systems)		
Number of Elements	<varies></varies>	Piping (175 systems)		
	<varies></varies>	₩ @ ACMV - Chilled Water Return		
System Equipment		ACMV - Chilled Water Supply O Fire - Hosereel		
System Name	<varies></varies>	Image: Second		
Volume	<varies></varies>	by a fire - Sprinker		
Static Pressure	<varies></varies>			
Fixture Units	0.000000	Gas		
lechanical - Flow	*	General Sani - Ejector Pump Discharge		
Flow	<varies></varies>	W The Sani - Kitchen Waste		
lentity Data	*	B - tr Sani - Main		
Image		Berty Sani - Soil Waste		
Comments		😣 🚽 Sani - Vent		
Workset	<varies></varies>	Borni - Waste		
Edited by	josephkoh	🐵 🐨 Surface Drain Discharge		
C Parameters	*	e 🕲 TEL Lead In		
IfcGUID	<varies></varies>	👳 🛣 Wat - Newater(Direct)		
lfcExportAs	IfcDistributionSystemType.USERDEFINED	e 🕄 Wat - Potable Water(Direct)		
lfcObjectType	POTABLEWATER			
		→ → → → → → → → → → → → → → → → → → →		
		-#3 PWP(D) 3 -#3 PWP(D) 4		
		8 1 4 9 PWP(0) 8		
		A PWP(D) 9		
			2.	5

Add parameters to system family

Export to IFC



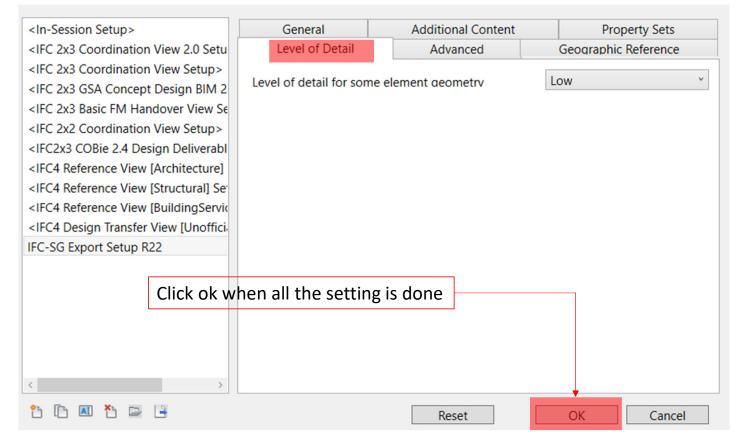


<in-session setup=""></in-session>	Level of Detail	Adva	nced	Geographi	ic Reference
<ifc 2.0="" 2x3="" coordination="" setu<="" td="" view=""><td>General</td><td>Addition</td><td>al Content</td><td>Pro</td><td>operty Sets</td></ifc>	General	Addition	al Content	Pro	operty Sets
<ifc 2x3="" coordination="" setup="" view=""> <ifc 2<="" 2x3="" bim="" concept="" design="" gsa="" td=""><td>IFC version</td><td></td><td>IFC 2x3 Coor</td><td>dination View</td><td>2.0 *</td></ifc></ifc>	IFC version		IFC 2x3 Coor	dination View	2.0 *
<ifc 2x3="" basic="" fm="" handover="" se<="" td="" view=""><td>Exchange Requiremen</td><td>it</td><td></td><td></td><td>~</td></ifc>	Exchange Requiremen	it			~
<ifc 2x2="" coordination="" setup="" view=""></ifc>	File type		IFC		~
<ifc2x3 2.4="" cobie="" deliverabl<br="" design=""><ifc4 [architecture]<="" reference="" td="" view=""><td>Phase to export</td><td></td><td>Default phas</td><td>e to export</td><td>~</td></ifc4></ifc2x3>	Phase to export		Default phas	e to export	~
<ifc4 [structural]="" reference="" se<="" td="" view=""><td>Space boundaries</td><td></td><td>None</td><td></td><td>~</td></ifc4>	Space boundaries		None		~
<ifc4 [buildingservic<="" reference="" td="" view=""><td></td><td></td><td></td><td></td><td></td></ifc4>					
<ifc4 [unoffici-<="" design="" td="" transfer="" view=""><td></td><td></td><td></td><td></td><td></td></ifc4>					
IFC-SG Export Setup R22	🗋 IFC Co	onfiguration - IFC	-SG Export Setu	up R20.json	JSON File
		onfiguration - IFC			JSON File
		onfiguration - IFC onfiguration - IFC			JSON File JSON File
		Singulation - In C		10 1123.33011	5501116
	Split Walls, Column	s Ducts by Level		File Header Info	ormation
<	✓ Include Steel Eleme			Project Add	dress
ti 🗈 💌 🎦 🔁		Rese	et	OK	Cancel
				Oper	n the correct version

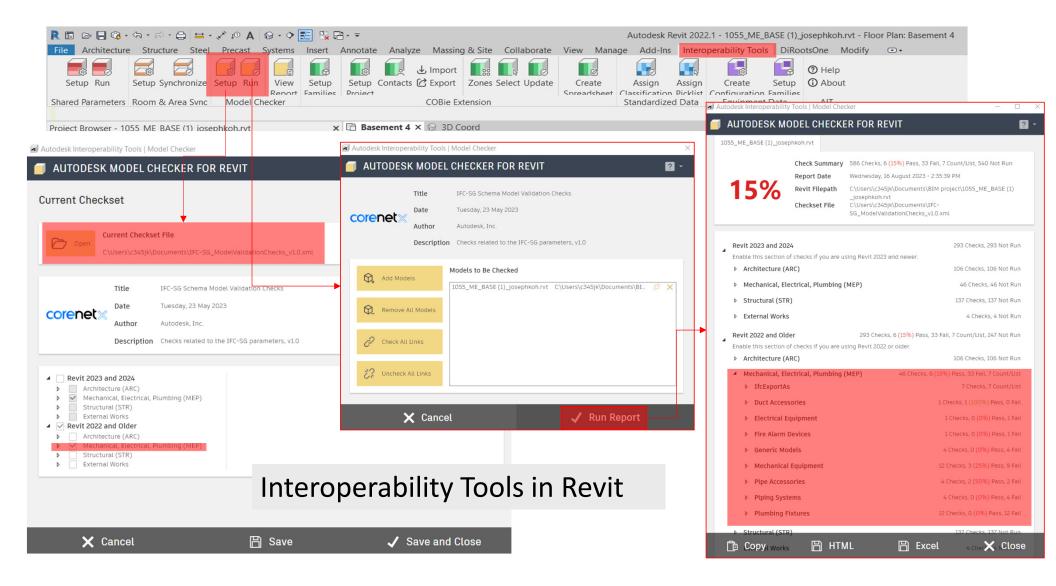
<in-session setup=""></in-session>	Level of Detail	Advanced	Geographic Reference
<ifc 2.0="" 2x3="" coordination="" setu<="" td="" view=""><td>General</td><td>Additional Content</td><td>Property Sets</td></ifc>	General	Additional Content	Property Sets
<ifc 2x3="" coordination="" setup="" view=""></ifc>	☑ Export 2D plan view ele	ements	
<ifc 2<="" 2x3="" bim="" concept="" design="" gsa="" td=""><td>Export linked files as se</td><td></td><td></td></ifc>	Export linked files as se		
<ifc 2x3="" basic="" fm="" handover="" se<="" td="" view=""><td>Export only elements v</td><td></td><td></td></ifc>	Export only elements v		
<ifc 2x2="" coordination="" setup="" view=""></ifc>	🗹 Export rooms, areas	and spaces in 3D views	
<ifc2x3 2.4="" cobie="" deliverabl<="" design="" td=""><td></td><td></td><td></td></ifc2x3>			
<ifc4 [architecture]<="" reference="" td="" view=""><td></td><td></td><td></td></ifc4>			
<ifc4 [structural]="" reference="" se<="" td="" view=""><td></td><td></td><td></td></ifc4>			
<ifc4 [buildingservic<="" reference="" td="" view=""><td></td><td></td><td></td></ifc4>			
<ifc4 [unoffici<="" design="" td="" transfer="" view=""><td></td><td></td><td></td></ifc4>			
IFC-SG Export Setup R22			
< >			
ዮ 🗈 🛋 🏲 🗁 📑		Reset	OK Cancel

<in-session setup=""></in-session>	Level of Detail	Advanced	Geographic	Reference
<ifc 2.0="" 2x3="" coordination="" setu<="" td="" view=""><td>General</td><td>Additional Content</td><td>Pro</td><td>perty Sets</td></ifc>	General	Additional Content	Pro	perty Sets
<ifc 2x3="" coordination="" setup="" view=""> <ifc 2<="" 2x3="" bim="" concept="" design="" gsa="" td=""><td>□ Export Revit property ☑ Export IFC common pro-</td><td></td><td></td><td></td></ifc></ifc>	□ Export Revit property ☑ Export IFC common pro-			
<ifc 2x3="" basic="" fm="" handover="" se<="" td="" view=""></ifc>	Export base quantities			
<ifc 2x2="" coordination="" setup="" view=""></ifc>	Export material proper	rty sets		
<ifc2x3 2.4="" cobie="" deliverabl<br="" design=""><ifc4 [architecture]<="" reference="" td="" view=""><td>Export schedules as pr Export only schedu</td><td>operty sets les containing IFC, Pset, c</td><td>r Common in the</td><td>title</td></ifc4></ifc2x3>	Export schedules as pr Export only schedu	operty sets les containing IFC, Pset, c	r Common in the	title
<ifc4 [structural]="" reference="" se<="" td="" view=""><td>Export user defined pr</td><td>operty sets Drive - Squiremech\Coren</td><td>et-X\IEC-SG Resou</td><td>Browse</td></ifc4>	Export user defined pr	operty sets Drive - Squiremech\Coren	et-X\IEC-SG Resou	Browse
<ifc4 [buildingservic<br="" reference="" view=""><ifc4 [unoffici-<="" design="" td="" transfer="" view=""><td></td><td></td><td></td><td>browse</td></ifc4></ifc4>				browse
IFC-SG Export Setup R22	Export parameter map	ping table		
				Browse
	Revit IFC Exporter Jsc	on Files ping Export (Industry Ma	o pping).txt	
< >>	Classification Settin	gs		
🎦 🗈 🗷 🎦 🖻		Reset	OK	Cancel

<in-session setup=""></in-session>	General	Additional Content	Property Sets
<ifc 2.0="" 2x3="" coordination="" setu<="" td="" view=""><td>Level of Detail</td><td>Advanced</td><td>Geographic Reference</td></ifc>	Level of Detail	Advanced	Geographic Reference
<ifc 2x3="" coordination="" setup="" view=""> <ifc 2<br="" 2x3="" bim="" concept="" design="" gsa=""><ifc 2x3="" basic="" fm="" handover="" se<br="" view=""><ifc 2x2="" coordination="" setup="" view=""> <ifc2x3 2.4="" cobie="" deliverabl<br="" design=""><ifc4 [architecture]<br="" reference="" view=""><ifc4 [structural]="" reference="" se<br="" view=""><ifc4 [buildingservic<br="" reference="" view=""><ifc4 [unoffici<="" design="" td="" transfer="" view=""><td> ✓ Use active view when □ Use family and type r □ Use 2D room boundate ✓ Include IFCSite elevate </td><td>Solid Model" representation o creating geometry name for reference aries for room volume tion in the site local placement o an element parameter after of cometry as Triangulation</td><td></td></ifc4></ifc4></ifc4></ifc4></ifc2x3></ifc></ifc></ifc></ifc>	 ✓ Use active view when □ Use family and type r □ Use 2D room boundate ✓ Include IFCSite elevate 	Solid Model" representation o creating geometry name for reference aries for room volume tion in the site local placement o an element parameter after of cometry as Triangulation	
<pre>IFC-SG Export Setup R22</pre>	Entities to Export		
° 🗈 🔳 🏠 🗁 🔒		Reset	OK Cancel



Check IFC parameters



Ô		🌸 IFC	C-SG Validato	or	× +																	
\leftarrow	С	ଜ	🖒 htt	tps:// <mark>www.c</mark> o	ode.builtsearch.c	om/ifcs	sg-validator								A	*	ф	₹	Ð	⊥ j	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	æ
🎝 De	sign - H	lome 🤞	FC-SG Re	esource To	🗾 IFC-SG Resou	rces	Clifford Cen	tre - Au	8 Shenton Way	y - A	Files - Autodesk Do	cs 🕒 KMS 2.0 - Home	🕒 вмз	🔊 Welcome to HR	-	DRAW	INGS_FOR_E		IFC-SG V	/alidator		
8	IFC	c-se	Ə Valio	dator	Sandbox	k Do	ownload	Proje	ects												٥	·

Sandbox Mode	Reset
IFC-SG Validator extract data from your IFC Model, and validate for IFC-SG compliance. Processing is executed locally on your machine, the app do not collect, store or send any data. Click here for more information.	IFC Configuration - IFC-SG Export Setup R20.jsonJSON FileIFC Configuration - IFC-SG Export Setup R21.jsonJSON FileIFC Configuration - IFC-SG Export Setup R22.jsonJSON FileIFC Configuration - IFC-SG Export Setup R23.jsonJSON File
The second secon	Upload JSON

Reset

🗹 Sandbox Mode

IFC-SG Validator extract data from your IFC Model, and validate for IFC-SG compliance. Processing is executed locally on your machine, the app do not collect, store or send any data. **Click here** for more information.



IFC-SG Validator

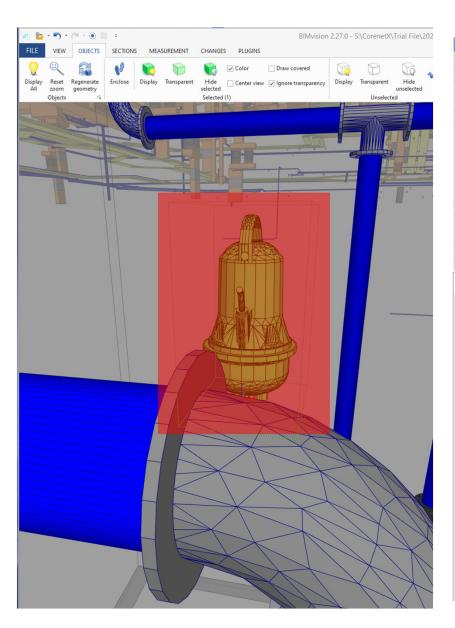
🔅 IFC-SG Validator 🛛 🗙	+							
⋒ 🗈 https://www.code.built	tsearch.com/ifcsg-validator					A	२ 📩 व	l ∑=
Iome 🌵 IFC-SG Resource To 🗾 IFC-	SG Resources 🛛 🛃 Clifford Centre - Au	8 Shenton Way	- A 🧧 Files - Autodesk Docs	🕒 KMS 2.0 - Home	🕒 BMS 🗝 Wo	elcome to HR	DRAWINGS_FOR	_E 🄅 I
SG Validator Sandbox D	ownload Projects							
	2XYN3AGN52PRtilYqZdAP1	Ist Storey	evel:8mm Head - Project Datu	im 0/1		-		
	2XYh3AGh52PRtilYqZh0w9	2nd Storey L	evel:8mm Head - Project Datu	im 0/1		-		
	IfcCommunicationsApplia	nce					Showir	ng 2/2
	Guid		ElementId/Tag		ObjectType		Result	
	15MHpKhc17QOI_4BaTuvOx		2797490	DISTRESSBUTTON			0/0	
	15MHpKhc17QOI_4BaTuvT\$		2797492	DISTRESSBUTTON			0/0	

IFC-SG Validator

IfcDamper

Guid	ElementId/Tag	Ohiost	vpe Result	SGPset_Damper			
Guid	Elementia/Tag	ObjectT	ype Result		FireRating		
1VViTLPOz4PgGdbdgL1ind	2039900	FIREDAMPER	0/1		-		
1VViTLPOz4PgGdbdgL1inn	2039903	FIREDAMPER	0/1		-		
3r6ecXpOnCW9Kdb_iaXqnz	2043506	FIREDAMPER	0/1		-		
3r6ecXpOnCW9Kdb_iaXqnx	2043508	FIREDAMPER	0/1		-		
3toLW9VzHEKPS9fnTfSQyT	2046972	FIREDAMPER	0/1		-		
3toLW9VzHEKPS9fnTfSQyV	2046974	FIREDAMPER	0/1		-		
1dzrjbT0TFs9oNTzFytQxa	2058114	FIREDAMPER	0/1		-		
ldzrjbT0TFs9oNTzFytQxY	2058116	FIREDAMPER	0/1		-		
2N_GVOXIzF7upithPazPE4	2576209	FIREDAMPER	1/1		2		
2N_GVOXIzF7upithPazPFk	2576212	FIREDAMPER	1/1		2		

Showing 10/10

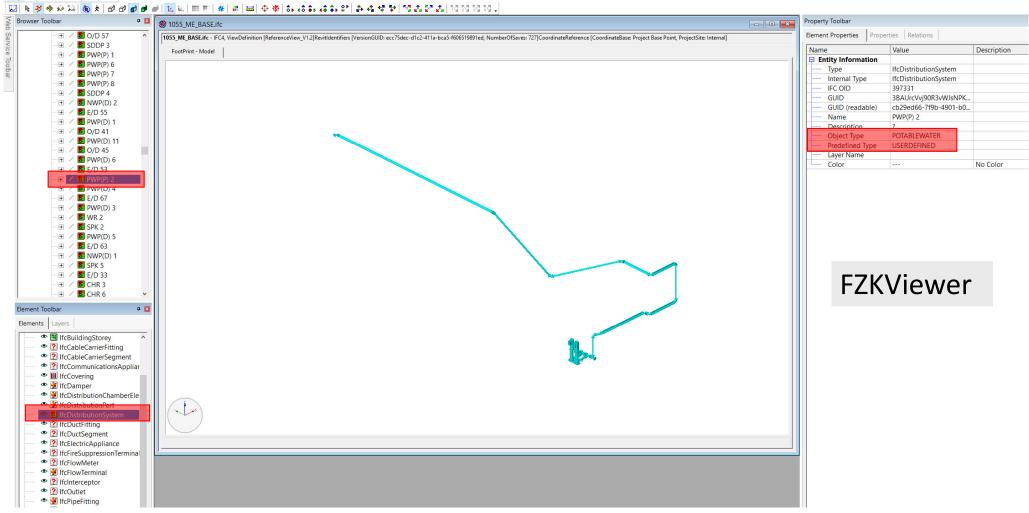


							Турез							
₽.	Active		Ту	pe			Name							
	\checkmark	- Types												
	\checkmark	+ IfcPip	peSegn	nent										
	\checkmark	+ IfcPip	peFittin	g										
	\checkmark	🗄 IfcVa	lve											
	\checkmark	🗆 IfcPu	mp											
	\checkmark		umpType	e		SM_INLINE BO	SM_INLINE BOOSTER PUMP (MEDIUM) 1:CRNE 15-2_50_99071571							
	\checkmark	• ± • IfcP	umpType	e		Pump-Submer	sible-Grundfos_SESLFAM_Concrete_Plate-Master:SL1	1.85						
	\checkmark	• ± • IfcP	umpType	e		Plumbing_Pum	ps_Dab-Pumps_CM-G-100 rev01:CM-G 100-510/A/B/	AQE						
	\checkmark	- □ IfcP	umpType	e		Dab Pumps_F	K Pump:FKC 100 15.4 T5 400D							
V	\checkmark	If	cPump			Dab Pumps_F	K Pump:FKC 100 15.4 T5 400D:3422945							
	\checkmark	• ± • IfcP	umpType	e		SM_INLINE TR	ANSFER PUMP (MEDIUM):CRN 64-6-2_50_96123810							
	\checkmark	⊡ IfcP	umpType	e		CRN95-10-DI	N_(connection)_Siemens_1PC3006_280S2_B5-65_IE3	3_3p						
	\checkmark		cPump			CRN95-10-DI	CRN95-10-DIN_(connection)_Siemens_1PC3006_280S2_B5-65_IE3_3p							
	\checkmark	If	cPump			CRN95-10-DI	V (connection) Siemens 1PC3006_280S2_B5-65_IE3	3_3p						
Pr	operties	Location	Classif	fication	Relations									
Ţ,	Name						Value							
	Element Specific													
	Guid	ĺ		2VUQjwOWXCZujvUCROv2U9										
	IfcE	ntity		IfcPump										
	Nam	e		Dab Pumps_FK Pump:FKC 100 15.4 T5 400D:3422945										
	Obje	ectType		SUMPPL	JMP									
	Prec	lefinedType		NOTDE	FINED									
	Tag			342294	5									
	- Pset_	Electrical	DeviceC	ommor	1									
	Num	berOfPoles		4										
	Pset_	Environm	entalIm	pactIn	dicators		BIMvision							
		erence		-			DIMINISION							
		Manufact	urerTyp	eInfor	mation									
_	Man	ufacturer		DAB Pu	mps									
_		PumpType		on										
		NominalRotationSpeed			230.774667									
		erence		•										
		et_Pump												
		acity		2 L/s										
	Star	idby		No										

S FZKViewei	r x64 V 6.5.1	- 1055_M	E_BASE.ifc
-------------	---------------	----------	------------

File Edit View Representations Display Navigation Query Model Transformations Analysis Extras Window ?

🖻 - 🖬 🛍 😤 . 🔧 👿 .



- 1

Conclusion

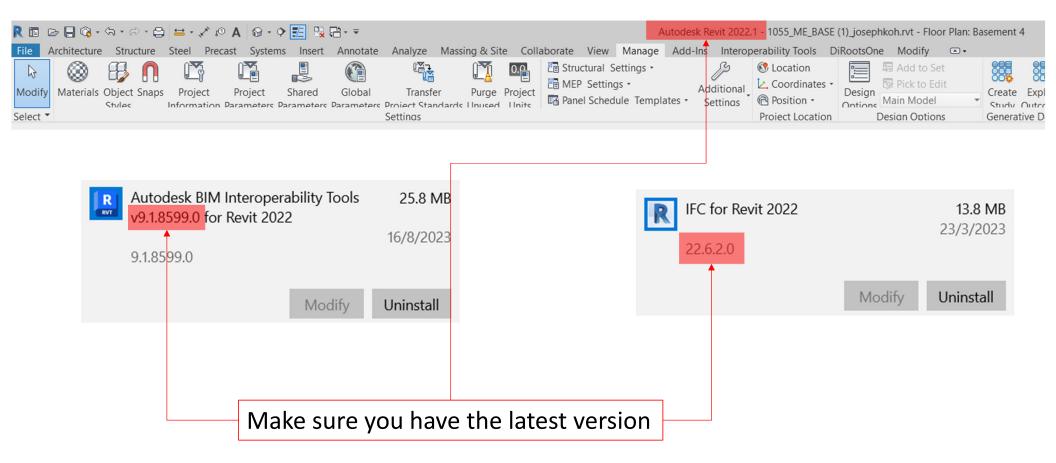
Industry Mapping table is still revising

	A	В	С	D	Н	- I	J	К	L	М	N	р
	Agency		Identified parameters	Revit Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set	Property Name	Property Type	Property Unit	Sample Value for Reference
6	2	Distribution champer	invert cever	Framonig Lixtures	WILF	inconstructionenamperciement	WANTOLL	mentDimension	mvertever	Laber	IN A	n.a
e	4 PUB	Distribution Chamber	Top Level	Plumbing Fixtures	MEP	IfcDistributionChamberElement	MANHOLE	SGPset_DistributionChamberEle mentDimension	TopLevel	Label	N.A	N.A
6	5 NEA	Distribution Chamber	N.A	Plumbing Fixtures	MEP	IfcDistributionChamberElement	SUMP	N.A	N.A	N.A	N.A	N.A
e	6 PUB	Distribution Chamber	Depth	Plumbing Fixtures	MEP	IfcDistributionChamberElement	SUMP	SGPset_DistributionChamberEle mentDimension	Depth	Length	mm	N.A
7	4 PUB	Distribution Chamber	Diameter	Plumbing Fixtures	MEP	IfcDistributionChamberElement	SUMP	SGPset_DistributionChamberEle mentDimension	Diameter	Length	mm	N.A
8	1 PUB	Distribution Chamber	Invert Level	Plumbing Fixtures	MEP	IfcDistributionChamberElement	SUMP	SGPset_DistributionChamberEle mentDimension	InvertLevel	Label	N.A	N.A
8	2 PUB	Distribution Chamber	Length	Plumbing Fixtures	MEP	IfcDistributionChamberElement	SUMP	SGPset_DistributionChamberEle mentDimension	Length	Length	mm	N.A
8	3 PUB	Distribution Chamber	Top Level	Plumbing Fixtures	MEP	IfcDistributionChamberElement	SUMP	SGPset_DistributionChamberEle mentDimension	TopLevel	Label	N.A	N.A
	4 PUB	Distribution Chamber	Width	Plumbing Fixtures	MEP	IfcDistributionChamberElement	SUMP	SGPset_DistributionChamberEle mentDimension	Width	Length	mm	N.A

	Α	В	С	D	н	I.
1	Agency	Identified Component	Identified parameters	Revit Representation	Discipline	IFC4 Entities
227	PUB	Interceptor	Top Level	Plumbing Fixtures	MEP	IfcInterceptor
228	PUB	Interceptor	Width	Plumbing Fixtures	MEP	IfcInterceptor
229	UKA	Mechanical Equipment - Chiller	N.A	Mechanical Equipment	MEP	IfcChiller

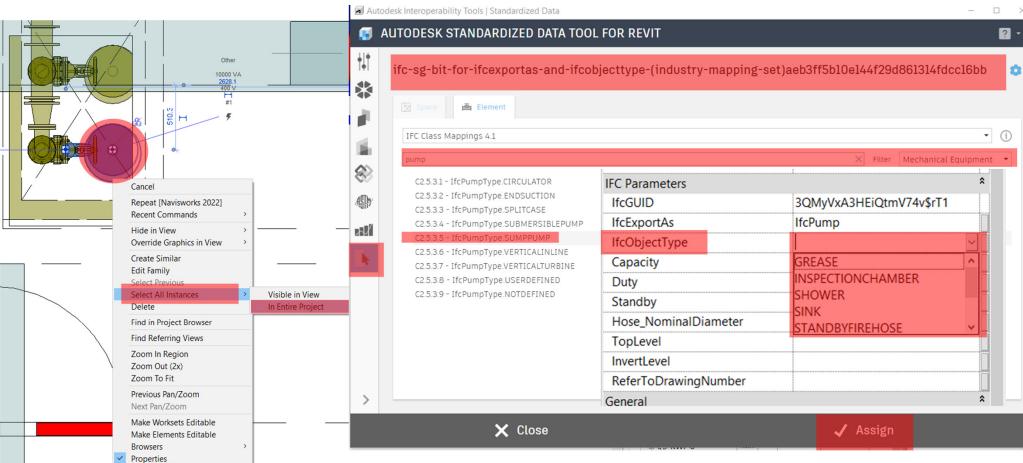
A	-	Identified Component	Identified parameters	Revit Representation	Discipline	IFC4 Entities	IFC Sub Types (* = USERDEFINED)	Property Set	Property Name	Property Type	Property Unit	Sample Value for Reference
5	CDF	rite nyuranı	טו	Plumping Fixtures	WEP	incritesuppression terminal	FIRETURAINI	"sorset_riresuppression eminar	10	Laber	N.A	N.A
5 5	CDF	Fire Hydrant	Private	Plumbing Fixtures	MEP	IfcFireSuppressionTerminal	FIREHYDRANT	SGPset_FireSuppressionTerminal	Private	Boolean	N.A	TRUE/FALSE
, s	CDF	Fire Hydrant	Public	Plumbing Fixtures	MEP	IfcFireSuppressionTerminal	FIREHYDRANT	SGPset_FireSuppressionTerminal	Public	Boolean	N.A	TRUE/FALSE

PC/Laptop hang when export to IFC



Update SG-IFC parameter to your office template

R 🗈 🕞 🕞 🕼 • \\ • + \(\alpha\)	A ↔ , × @ A . Q.			Autodesk Revit 2022 1	SMtemplateRevit2022IFC.rte - Sheet: M&E -
			Collaborate Vice		
	Steel Precast System	s Insert Annotate Analyze Massing &	Site Collaborate View		
	lý li		MEP Sett	ta Coor	dinates • 🖗 Pick to Edit
Modify Materials Object Snap			rge Project	Additional	Design
Select T	Information Parameters	Parameters Parameters Project Standards Unit Settinos	ised Units © Faller Sch		Location Design Options Gen
Select		Parameter Properties	×	Desidir Obtions Gen	
Properties		Parameter Type		Categories	
roperaes		O Project parameter		Category name search:	
Sheet		(Can appear in schedules but not in tags)		Filter list: <multiple> ></multiple>	
BUT Sheet		Shared parameter		Hide un-checked categories	
Sheet	~ 8	(Can be shared by multiple projects and families, exp	ported to ODBC, and	Air Systems	
Graphics	*	appear in schedules and tags)		Air Terminals	
Visibility/Graphics Overrides	Edit		Select Export	Analytical Pipe Connections Analytical Spaces	
Scale	Luita	Parameter Data		Analytical Surfaces	
Sub-Discipline	MEP	Name:		Areas	
Text		<no parameter="" selected=""> Type</no>		Audio Visual Devices	
COORDINATOR		Discipline:		Cable Tray Fittings Cable Tray Runs	
CENTRAL FILE LOCATION		Trans of Deservations	are aligned per group type	Cable Trays Communication Devices	
ARCHITECTURAL LINK FILE			are aligned per group type can vary by group instance	Conduit Fittings	SM
STRUCTURAL LINK FILE		Group parameter under:	can vary by group instance	Conduit Runs	
MEP BIM PROJECT TEAM MEM		Dimensions ~	Shared Parameters	×	
Identity Data		Tooltip Description:	Choose a parameter group, a	and a parameter.	
Dependency	Independent	<no a="" co<="" description.="" edit="" parameter="" td="" this="" to="" tooltip="" write=""><td></td><td>×</td><td></td></no>		×	
Referencing Sheet			Parameter group: IFC-SG Properties		
Referencing Detail			Parameters:		
Current Revision Issued		Add to all elements in the selected categories	Accessway	A Edit	
Current Revision Issued By			Accreditation_PAS ACGeoName		
Current Revision Issued To			ACN_ActivityGeneratingUse ACN_CloseTime	Туре	
Current Revision Date		ACV_COSETINE ACV_ConnectivityType ACV_IsOpen24HoursToPub ACV_IsPavingSpecified ACV_OpenTime		c l	
Current Revision Description					
Current Revision			ACN_PavingSpecification		Designed Muserham
Approved By Approver		AGF_AreaID AGF_BonusGFAType			Project Number
Designed By Designer			AGF_DetailedUse AGF_DevelopmentUse		
Checked By Checker			AGF_FacilityType AGF_Name		
Drawn By	Author		ACC NAME		
Sheet Number	M&E		ОК	Cancel Help	
Sheet Name					i د



Select all instance can shorten the process

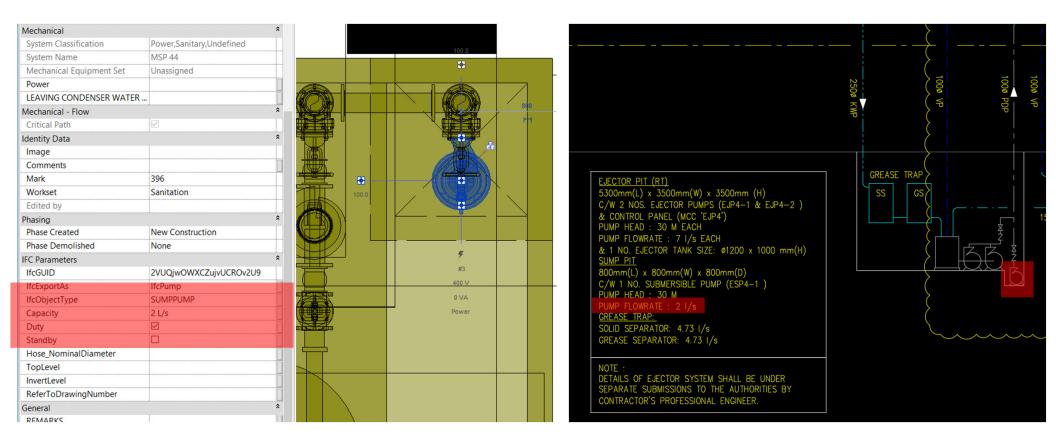
Man/day spend for the trial

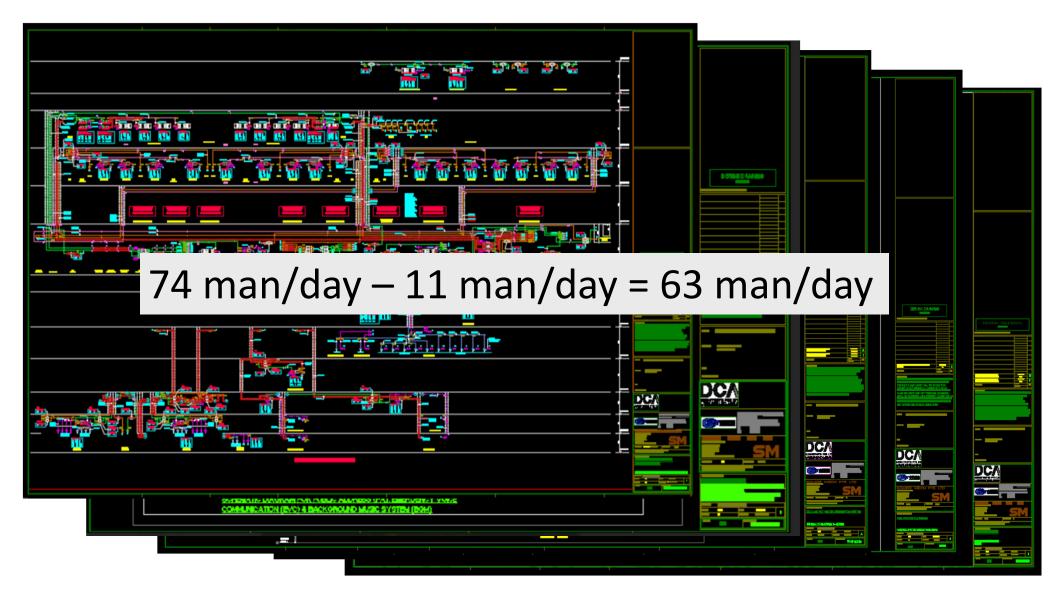
Time spend for B3 and B4 (services involved are Fire Protection, Mechanical Ventilation, EVC, Plumbing and Sanitary) = 8 man/days

Estimated time spend for whole for all service = 11 man/days

Estimated time spend to prepare the schematic for all service = 74 days/days

Manhour spend for the trial





QnA

- 1. Autodesk Interoperability IFC-SG Resources (autodesk.com)
- 2. BCA resource Toolkit <u>IFC-SG Resource Toolkit</u> <u>Building and Construction Authority (BCA)</u>
- 3. IFC-SG Validator IFC-SG Validator (builtsearch.com)
- 4. IFC viewer <u>Download</u> | BIMvision <u>KIT IAI Downloads</u>