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Strukturer och dokumenthantering



Innehåll

Vi ser på nyheter i standarder såsom ISO 81346. Vi tittar närmare på hur man kan använda bokstavskoder och vi visar på hur strukturer används praktiskt i en del kundfall, både objektstrukturer och dokumentstrukturer.

Strukturer & objekt

- Anläggningsstruktur
 - Strukturer enligt KKS, IEC81346-1,-2,-10...
 - Objekt
 - Egenskaper för ca 450 objektklasser
 - Arbetsflöde
 - Rättigheter ända ner på egenskaper
- Relation till dokument
- Artiklar
- Individer



Strukturer & objekt

- Informationsstruktur
 - Mapper
 - Relation till dokument
 - Relation till objekt
 - Övriga stukturmöjligheter



Nyheter i ISO/IEC 81346



Industrial systems, installations and equipment and industrial products —
Structuring principles and reference designation

- ISO/IEC 81346-2 (2) (IEC 81346-2)
 - Ny version är på gång
- ISO 81346-10, Power plants
 - Ersätter ISO/TS 16952-10, KKS
- ISO 81346-12, Construction works and building services
- CoClass



IEC/ISO 81346-2



○ Revision 1

M		<i>object</i> intended to provide mechanical movement or force	driving object		Kind of driving force
	MA	<i>driving object</i> in the form of rotational torque, powered by electromagnetic force	electromagnetic rotational driving object	a.c. motor, d.c. motor, PM motor, servo-motor, stepper motor	Kind of movement
	MB	<i>driving object</i> in the form of linear force, powered by electromagnetic force	electromagnetic linear driving object	electromagnet, linear motor, solenoid	Kind of method
	MC	<i>driving object</i> powered by mechanical force	magnetic force driving object	permanent magnet	
	ML	<i>driving object</i> powered by mechanical energy	mechanical energy driving object	elastic energy drive, gas turbine, gravity energy drive, roller coaster, spring actuator device, water turbine, wind turbine	Kind of mechanical source
	MM	<i>driving object</i> powered by fluid displacement or pressure	fluid powered driving object	hydraulic cylinder, hydraulic motor, pneumatic cylinder, pneumatic motor	Kind of fluid source
	MS	<i>driving object</i> powered by combustion of fuels	combustion engine	Diesel cycle engine, Otto cycle engine, Wankel engine	Kind of engine



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IEC/ISO 81346-2



○ Revision 2

Class code			Class definition	Class name (preferred term)	Examples of terms	Criteria for definition of subclasses
1	2	3				
	KJ		information processing object of mechanical signals	mechanical signalling object		Kind of method
		KJA	<i>mechanical signalling object</i> adjusting an air or fluid flow	mechanical regulator		
		KJB	<i>mechanical signalling object</i> for locking/unlocking of a locking mechanism	locking cylinder		
		KJC	<i>mechanical signalling object</i> providing a binary state of a mechanical device	key coded device		
M	MA		<i>object</i> intended to provide mechanical movement or force	driving object		Kind of driving force
			<i>driving object</i> in the form of rotational torque, powered by electromagnetic force	electromagnetic rotational driving object		Kind of movement
		MAA	<i>electromagnetic rotational driving object</i> caused by short circuited rotor coils subject to induced currents	a.c. motor	servo-motor	
		MAB	<i>electromagnetic rotational driving object</i> caused by direct current supplied rotor coils	d.c. motor	servo-motor	
		MAC	<i>electromagnetic rotational driving object</i> caused by a rotor consisting of permanent magnets	PM motor	servo-motor	
		MAD	<i>electromagnetic rotational driving object</i> caused by 1 coil positions	per motor		



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ISO 81346-12



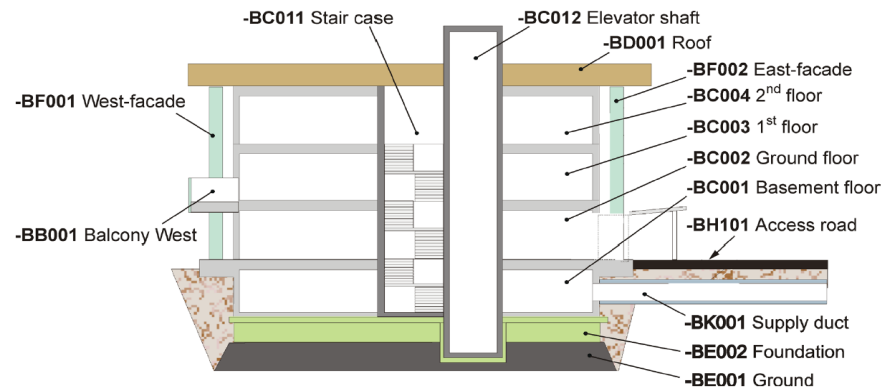
Structuring principles and reference designations — Part 12: Buildings and building services

- En ny standard för byggnadsbranschen
 - Konstruktion
 - Funktioner

B.1 Konstruktion

B.1.1 Konstruktionsklasser

Figuren visar beteckningar för byggnadskonstruktionen



ISO 81346-12

Structuring principles and reference designations — Part 12: Buildings and building services

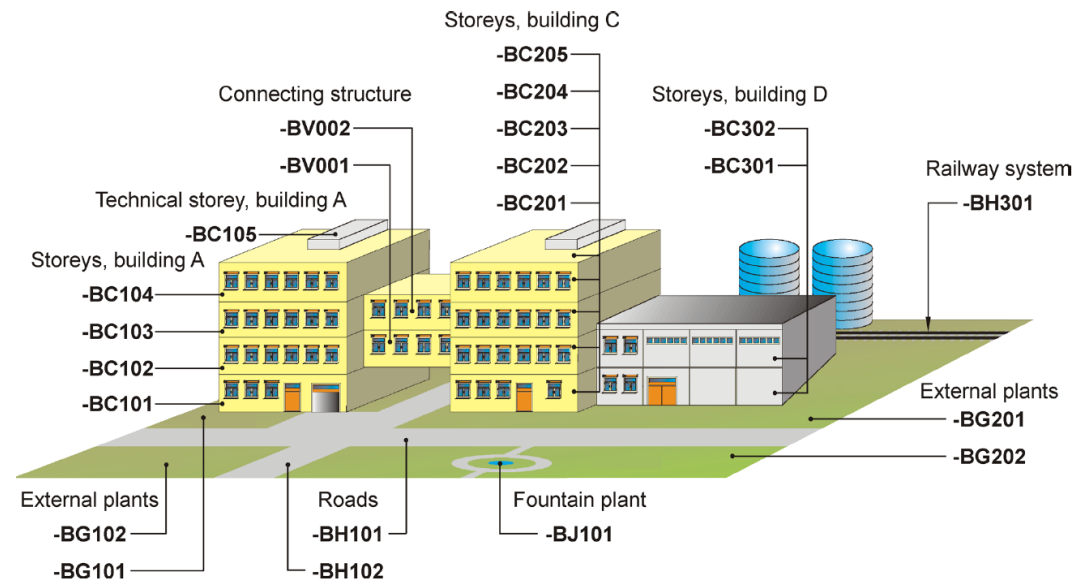
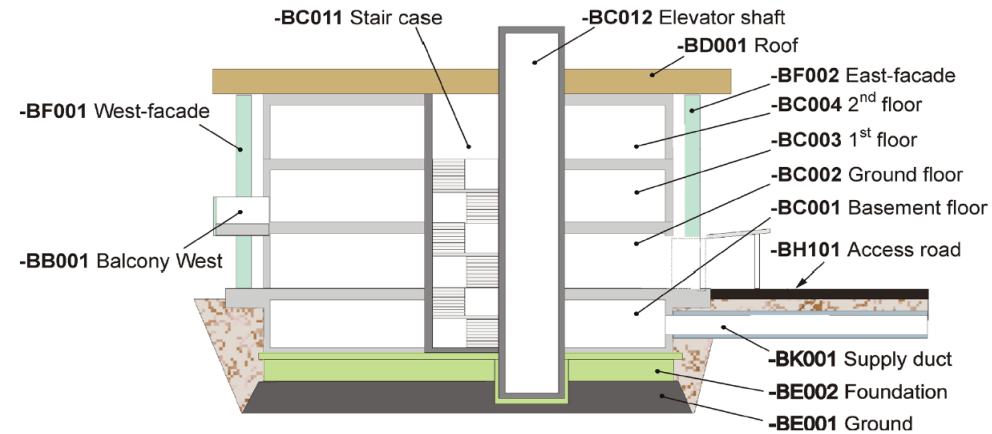


○ Konstruktion

- Balkonger
- Trappor
- Schakt
- Tak
- Fasad
- Grund
- ...

○ Byggnader

- Byggnader
- Våningar
- Vägar
- ...



ISO 81346-12

Structuring principles and reference designations — Part 12: Buildings and building services



○ Funktioner

- Värme, ventilation och luftkonditionering (HVAC)
- Automation system
- AC system
- Värme system
- El och kraftförsörjning
- Ljus
- Övervakning

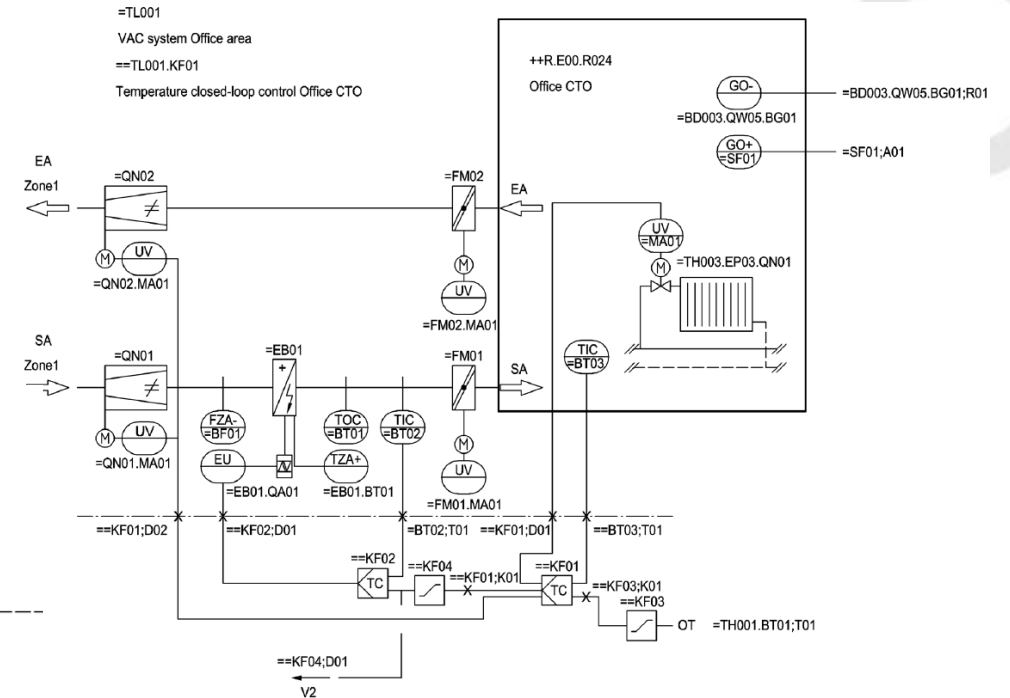
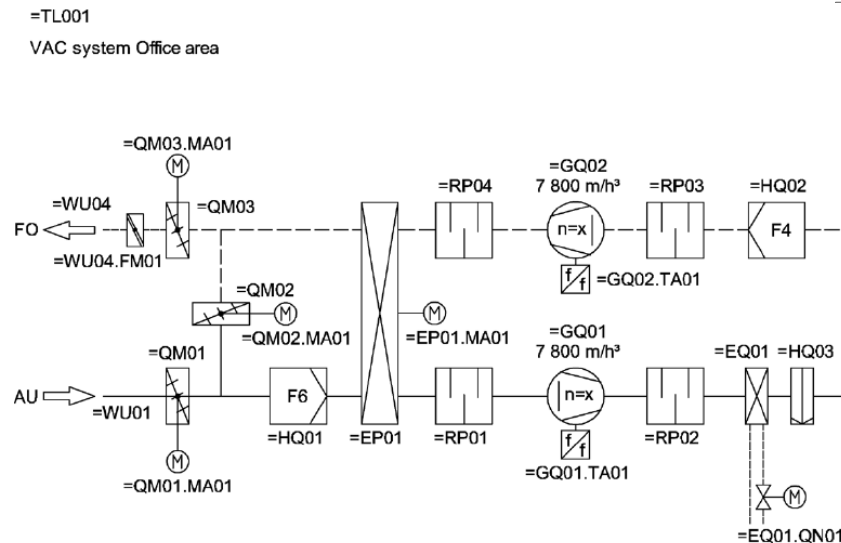


Table 1 — Prefixes for designation tasks

Prefix		Designation	Designation tasks/aspect	Prefix origin, basic principles specified in
1	2			
	#	Number	Conjoint designation	ISO/TS 81346-3
	=	Equals	Function-oriented designation	IEC 81346-1
=	=	Equals-Equals	Functional allocation	ISO/TS 81346-3
	+	Plus	Point of installation	IEC 81346-1
+	+	Plus-Plus	Location	ISO/TS 81346-3
	–	Minus	Product-oriented designation	IEC 81346-1
	:	Colon	Terminal designation	IEC 61666
	;	Semicolon	Signal designation	IEC 61175
	&	Ampersand	Document designation	IEC 61355-1

Bokstavskoder

- Lite exempel på bokstavskoder i produkten





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