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中华人民共和国国家标准



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建筑信息模型分类和编码标准

Standard for classification and coding of
building information model

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Standard for classification and coding of building information model

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前 言

根据住房和城乡建设部《关于印发 2012 年工程建设标准制订修订计划的通知》（建标[2012]5 号）的要求，标准编制组经广泛调查研究，认真总结实践经验，参考有关国际标准和国外先进标准，并在广泛征求意见的基础上，制定了本标准。

本标准的主要技术内容是：1. 总则；2. 术语；3. 基本规定；4. 应用方法；附录。

本标准由住房和城乡建设部负责管理，由中国建筑标准设计研究院有限公司负责具体技术内容的解释。执行过程中如有意见和建议，请寄送中国建筑标准设计研究院有限公司（地址：北京市海淀区首体南路 9 号主语国际 2 号楼，邮编：100048）。

本标准主编单位：中国建筑标准设计研究院有限公司

本标准参编单位：中国建筑设计研究院

中国电子工程设计院

上海现代建筑设计（集团）有限公司

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中国中铁航空港建设集团有限公司
卓达房地产集团有限公司

本标准主要起草人员：罗文斌 于 洁 王春光 谢 卫 高承勇 王国俭 魏 来
王爱华 左小英 过 俊 丁 楠 焦安亮 张 鹏 韦晓泉
黄成明 汪从军 卜一秋 庄惟敏 徐卫国 陈宇军 张金月
李伟伟 许 蓁 穆 威 张学生 左小英 冯树坚 覃 菴
谭春莲 崔 旸 贾 岩 冯志江 张洪伟 何立波 王新平
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刘守奎 王广斌 骆汉宾 张吕伟 沈文都 马恩成 赵 昂

张晓利 陈 勇 金 鹏 侯本才 王 鹏 杨远丰 龙辉元
杨 峥 喻 钢 辛佐先 杨海涛 王乔恒 张学斌 韦 蔚
赵伟玉 唐小卫 杨 志 宋 灏 王小勇 向 彪 刘 锋
郭阴生 张 杨

本标准主要审查人员： 郝 力 张建平 欧阳东 于晓明 李久林 张 杰 赵雪峰
王玉恒 刘 恒 关俊涛

目 次

1 总则	2
2 术语	3
3 基本规定	4
3.1 分类对象和分类方法	4
3.2 编码及扩展规定	5
4 应用方法	6
4.1 编码运算符号	6
4.2 编码的应用	6
附录 A 按功能分建筑物	7
附录 B 按形态分建筑物	17
附录 C 按功能分空间	21
附录 D 按形态分空间	41
附录 E 元素	46
附录 F 工作成果	62
附录 G 工程建设项目阶段	106
附录 H 行为	109
附录 J 专业领域	123
附录 K 建筑产品	132
附录 L 组织角色	205
附录 M 工具	213
附录 N 信息	230
附录 P 材料	245
附录 Q 属性	255
本标准用词说明	284
引用标准名录	285
条文说明	286

1 总则

1.0.1 为规范建筑信息模型中信息的分类、编码与组织，实现建筑工程全生命期信息的交换、共享，推动建筑信息模型的应用发展，制定本标准。

1.0.2 本标准适用于民用建筑及通用工业厂房建筑信息模型中信息的分类、编码及组织。

1.0.3 建筑信息模型中信息的分类、编码和组织，除应符合本标准外，尚应符合国家现行有关标准的规定。

2 术语

2.0.1 元素 element

建筑主体中独立或与其他部分结合，满足建筑主体主要功能的部分。

2.0.2 工作成果 work result

在新建建筑的施工阶段和既有建筑的改建、扩建、维修、拆除活动中得到的建设成果。

2.0.3 工程建设项目阶段 building construction project phase

工程项目建设过程中根据一定的标准划分的时间段。

2.0.4 行为 activity

工程相关方在工程建设中表现出的工作。

2.0.5 专业领域 discipline

建筑工程领域内的专业分支。

2.0.6 建筑产品 building product

建筑工程建设和使用全过程中所用并结合到建筑实体中的产品，包括各种材料、设备以及他们的组合。

2.0.7 组织角色 organizational role

在整个工程项目生命周期中的任一过程和工序的专业领域的参与者，包括团队和个人。

2.0.8 工具 tool

在工程项目生命周期中使用的软件、设备、物品等。

2.0.9 信息 information

在创建和维护建设环境过程中供参考和利用的数据。

2.0.10 材质 material

用于工程建设或制造建筑产品的基本物质。

2.0.11 属性 property

用于描述建设实体的特征。

2.0.12 归档 archive

按照一定原则进行信息提取、集合、存档的过程。

3 基本规定

3.1 分类对象和分类方法

3.1.1 建筑信息模型分类结构应按照以下规定（图3.1.1）：

- 1、建设资源包括建筑产品、组织角色、工具、信息、材质、属性六个分类表。
- 2、建设进程包括工程建设项目阶段、行为、专业领域三个分类表；
- 3、建设成果包括按功能分建筑物、按形态分建筑物、按功能分建筑空间、按形态分建筑空间、元素、工作成果六个分类表；

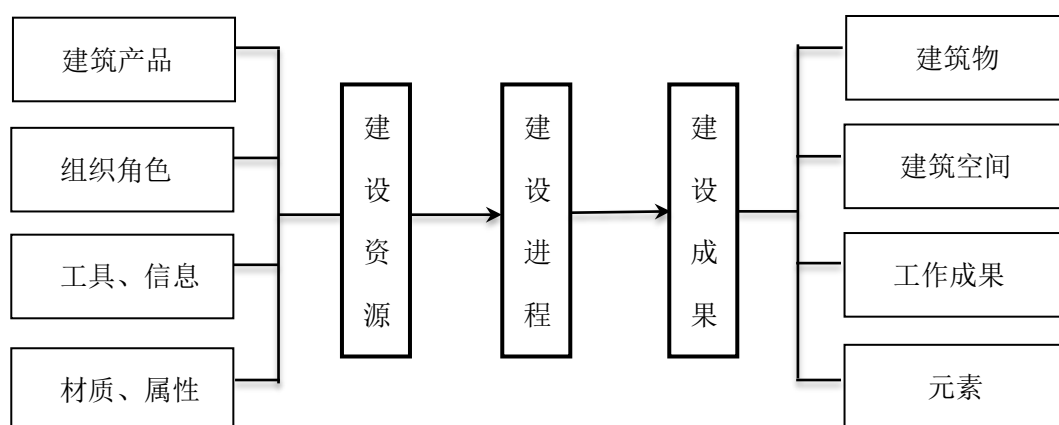


图 3.1.1 建筑信息模型分类结构

3.1.2 建筑信息模型分类应按照表3.1.2建筑信息模型分类表的规定划分分类表，分类表的进一步细分应按照相应附录的规定执行。

表 3.1.2 建筑信息模型分类表

表代码	分类名称	附录	表代码	分类名称	附录
10	按功能分建筑物	A	22	专业领域	J
11	按形态分建筑物	B	30	建筑产品	K
12	按功能分建筑空间	C	31	组织角色	L
13	按形态分建筑空间	D	32	工具	M
14	元素	E	33	信息	N
15	工作成果	F	40	材质	P
20	工程建设项目阶段	G	41	属性	Q
21	行为	H	—	—	—

3.1.3 单个分类表内的分类对象宜按层级依次分为一级类目“大类”、二级类目“中类”、三级类目“小类”、四级类目“细类”。

3.2 编码及扩展规定

3.2.1 编码应符合图3.2.1所示结构，各级代码应采用2位阿拉伯数字表示。



图 3.2.1 编码结构

3.2.2 编码结构和编码方法应按照规定执行：

- 1 建筑信息模型分类编码由表代码与分类对象编码组成，两者之间用“-”连接；
- 2 分类对象编码由大类代码、中类代码、小类代码和细类代码组成，相邻层级代码之间用英文字符“.”隔开；
- 3 表代码和分类对象各层级代码均采用两位数字表示；
- 4 大类编码采用 6 位数字表示，前两位为大类代码，其余四位用零补齐；
- 5 中类编码采用 6 位数字表示，前两位为大类代码，加中类代码，后两位用零补齐；
- 6 小类编码采用 6 位数字表示，前四位为上位类代码，加小类代码；
- 7 细类编码采用 8 位数字表示，在小类编码后增加两位细类代码。

3.2.3 分类和编码的扩展应按照规定执行：

- 1 建筑信息模型的分类和编码方法应符合《信息分类和编码的基本原则和方法》GB/T 7027 的规定。
- 2 建筑信息模型分类应符合科学性、系统性、可扩展性、兼容性和综合实用性原则。
- 3 扩展分类和编码时，标准中已规定的类目和编码应保持不变。
- 4 扩展各层级类目代码时，应按照本标准第 3.1 节规定执行。
- 5 表内扩展的最高层级代码应在 90~99 之间取值进行编码。

4 应用方法

4.1 编码逻辑运算符号

4.1.1 在复杂情况下精确描述对象时，应采用逻辑运算符号联合多个编码一起使用。

4.1.2 编码逻辑运算符号宜采用“+”、“/”、“<”、“>”符号表示，并应符合下列规定：

- 1 “+”用于将同一表格或不同表格中的编码联合在一起，以表示两个或两个以上编码含义的集合。
- 2 “/”用于将单个表格中的编码联合在一起，定义一个表内的连续编码段落，以表示适合对象的分类区间。
- 3 “<”、“>”用于将同一表格或不同表格中的编码联合在一起，以表示两个或两个以上编码对象的从属或主次关系，开口背对是开口正对编码所表示对象的一部分。

4.2 编码的应用

4.2.1 建筑信息模型分类和编码的应用应符合建筑信息模型交付、存储标准的规定。

4.2.2 建筑信息模型分类和编码及逻辑运算符号的运用宜依赖于信息技术。

4.2.3 建筑工程信息的归档顺序应按照以下规定执行：

- 1 无逻辑运算符号的单个编码按照表、大类、中类、小类、细类的层级，依次对各级代码按照从小到大的顺序归档。
- 2 由同一类逻辑运算符号联合的组合编码集合，应按从左到右、从小到大的顺序逐级进行归档。
- 3 由单个编码和组合编码构成的编码集合，应先对由“/”联合的组合编码进行归档，再对单个编码进行归档，之后对由“+”联合的组合编码进行归档，最后对由“<”、“>”联合的组合编码进行归档。

4.2.4 当不同的组合编码表达同一对象时，归档顺序在前的编码应为这一对象的引用编码。

4.2.5 建筑信息模型分类和编码可与其他编码系统结合使用。

附录 A 按功能分建筑物

表 10 按功能分建筑物

编码	类目中文	类目英文
10-01.00.00	居住建筑	residential architecture
10-01.10.00	住宅	residence
10-01.10.10	独立式住宅	detached house
10-01.10.20	联排式住宅	town house
10-01.10.30	单元式住宅	unit dwelling
10-01.20.00	公寓	apartment
10-01.20.10	小套公寓	mini apartment
10-01.20.20	旅馆式公寓	serviced apartment
10-01.20.30	老年公寓	senior apartment
10-01.30.00	宿舍	dormitory
10-01.30.10	职工宿舍	staff dormitory
10-01.30.20	学生宿舍	student dormitory
10-02.00.00	办公建筑	office building
10-02.10.00	行政办公楼	administration building
10-02.20.00	商务写字楼	office building
10-02.30.00	旅馆式办公楼	hotel type office building
10-02.40.00	公寓式办公建筑（SOHO）	SOHO
10-02.50.00	综合性办公建筑	comprehensive office building
10-03.00.00	教育建筑	educational architecture
10-03.10.00	托儿所	daycare facility
10-03.20.00	幼儿园	kindergarten
10-03.30.00	中小学校	primary and secondary schools
10-03.40.00	高等院校	colleges and universities
10-03.50.00	职业技术学校	vocational school
10-03.60.00	特殊教育学校	special education school

10-04.00.00	科研建筑	scientific research building
10-04.10.00	实验楼	laboratory building
10-04.20.00	科研楼	research building
10-05.00.00	金融建筑	financial architecture
10-05.10.00	银行	bank
10-05.20.00	证交中心	exchange center
10-05.30.00	保险	insurance
10-06.00.00	观演建筑	theatrical architecture
10-06.10.00	剧院	theater
10-06.10.10	歌剧院	opera house
10-06.10.20	话剧院	theatre
10-06.10.30	戏剧院	theatre
10-06.10.40	影剧院	movie theatre
10-06.20.00	电影院	cinema
10-06.30.00	音乐厅	music hall
10-06.40.00	演艺中心	performance center
10-06.50.00	多功能小剧场	multi-function theater
10-06.60.00	杂技、马戏院	acrobatics theatre
10-06.70.00	室外演艺广场	outdoor performance plaza
10-07.00.00	文化建筑	cultural architecture
10-07.10.00	图书馆	library
10-07.20.00	档案馆	archives
10-07.30.00	文化馆	cultural center
10-07.40.00	活动中心	activity center
10-07.40.10	青少年活动中心	junior activity center
10-07.40.20	老年活动中心	senior activity center
10-07.40.30	社区中心	community center
10-07.40.40	群众艺术馆	mass art museum

10-08.00.00	博览建筑	museum architecture
10-08.10.00	博物馆	museum
10-08.15.00	展览馆/展览中心	exhibition center
10-08.20.00	科技馆	science and technology museum
10-08.25.00	美术馆	gallery
10-08.30.00	会议中心	convention center
10-08.35.00	纪念馆	memorial
10-08.40.00	主题馆	theme pavilion
10-08.45.00	陈列馆	exhibition hall
10-08.50.00	文物保管所	historical preservation department
10-09.00.00	游乐休闲建筑	amusement and leisure architecture
10-09.10.00	旅游景点	tourist attractions
10-09.10.10	景观园林	landscape
10-09.10.20	故居	former residence
10-09.10.30	纪念碑/塔	monument
10-09.20.00	游乐园	amusement park
10-09.20.10	动物园	zoo
10-09.20.20	植物园	botanic garden
10-09.20.30	海洋馆	aquarium
10-09.30.00	主题公园	theme park
10-09.40.00	公共活动中心	public activity center
10-09.40.10	社区活动中心	community center
10-09.40.20	康乐、健身中心（非竞技类）	fitness center
10-09.40.30	娱乐中心	recreation center
10-09.40.40	会所/俱乐部	club
10-10.00.00	餐饮建筑	restaurant building
10-10.10.00	中餐厅	Chinese restaurant
10-10.20.00	西餐厅	western restaurant

10-10.30.00	快餐厅	fast-food restaurant
10-10.40.00	休闲餐厅	leisure restaurant
10-10.50.00	自助餐厅	cafeteria
10-10.60.00	食堂	canteen
10-10.70.00	咖啡厅	café
10-10.80.00	酒吧	bar
10-11.00.00	旅馆建筑	hotel architecture
10-11.10.00	城市旅馆	urban hotel
10-11.10.10	商务型	business type
10-11.10.20	会议型	conference type
10-11.10.30	旅游型	tourist type
10-11.10.40	公寓型	residential hotel
10-11.10.50	综合型	comprehensive type
10-11.10.60	国宾馆	state guesthouse
10-11.10.70	迎宾馆	guesthouse
10-11.20.00	度假旅馆	resort
10-11.20.10	滨水型	waterfront type
10-11.20.20	山地型	mountainous type
10-11.20.30	主题型	theme type
10-11.30.00	经济型旅馆	budget hotel
10-11.30.10	快捷旅馆	express inn
10-11.30.20	汽车旅馆	motel
10-11.30.30	青年旅馆	youth hostel
10-11.30.40	招待所	guesthouse
10-11.30.50	民宿	bed & breakfast (B&B)
10-12.00.00	商业建筑	commercial architecture
10-12.10.00	百货公司	department store
10-12.15.00	超级市场	supermarket

10-12.20.00	菜市场、农贸市场	farmer market
10-12.25.00	购物中心	shopping center
10-12.30.00	步行商业街	pedestrian shopping street
10-12.35.00	仓储商店、批发市场	wholesale market
10-12.40.00	各类型专业商店	all kinds of professional shop
10-12.45.00	商业网点	commercial retails
10-12.50.00	便利店	convenience store (cvs)
10-13.00.00	体育建筑	sports architecture
10-13.10.00	体育中心	sports center
10-13.15.00	体育场	stadium
10-13.20.00	体育馆	gymnasium
10-13.25.00	游泳馆	natatorium
10-13.30.00	综合训练馆	training stadium
10-13.35.00	水上运动设施	water sports facilities
10-13.40.00	冰雪项目场馆	winter sport venues
10-13.45.00	滑冰场	skating rink
10-13.45.10	滚轴溜冰场	roller rink
10-13.45.20	冰场	ice stadium
10-13.50.00	自行车场馆	cycling venues
10-13.55.00	赛车场	autodrome
10-13.60.00	射击场馆	shooting venues
10-13.65.00	射箭场	archery range
10-13.70.00	赛马场	race course
10-13.75.00	极限运动场	extreme sports
10-13.80.00	专业运动场	professional sports
10-13.80.10	足球场	football field
10-13.80.15	网球场	tennis court
10-13.80.20	棒垒球场	baseball field

10-13.80.25	曲棍球场	hockey ball field
10-13.80.30	沙滩排球场	beach volleyball court
10-13.80.35	高尔夫球场	golf course
10-13.80.40	橄榄球场	rugby field
10-13.80.45	门球场	croquet court
10-13.80.50	篮球场	basketball court
10-14.00.00	医疗建筑	medical architecture
10-14.10.00	综合医院	general hospital
10-14.15.00	专科医院	specialized hospital
10-14.15.10	肿瘤医院	cancer hospital
10-14.15.20	眼科医院	ophthalmic hospital
10-14.15.30	妇产医院	obstetrics and gynecology hospital
10-14.15.40	儿童医院	children's hospital
10-14.15.50	口腔医院	stomatological hospital
10-14.15.55	整形外科医院	plastic surgery hospital
10-14.15.60	中医院	Chinese medicine hospital
10-14.15.65	传染病医院	infectious disease hospital
10-14.15.70	老年医院	senior hospital
10-14.15.75	康复医院	rehabilitation hospital
10-14.20.00	急救中心	emergency center
10-14.25.00	体检中心	medical examination center
10-14.30.00	社区卫生服务中心	community clinic
10-14.35.00	疗养院	sanatorium
10-14.40.00	卫生所	clinic
10-14.45.00	县级医院	county-level hospital
10-14.50.00	乡镇卫生院	township health centers
10-14.55.00	村卫生室	village clinic
10-15.00.00	宗教建筑	religious architecture

10-15.10.00	佛教建筑	Buddhist architecture
10-15.20.00	道教建筑	Taoist architecture
10-15.30.00	伊斯兰教建筑	Islamic architecture
10-15.40.00	教堂	church
10-15.50.00	其他宗教类建筑	other religious architecture
10-16.00.00	市政建筑	civic building
10-16.10.00	自来水厂	waterworks
10-16.15.00	中水处理站	reclaimed water treatment facility
10-16.20.00	污水处理厂	waste water treatment facility
10-16.25.00	锅炉房	boiler room
10-16.30.00	燃气调压站	gas pressure regulation station
10-16.35.00	配气站	gas distribution station
10-16.40.00	热交换站	heat exchange station
10-16.45.00	热力站	heating station
10-16.50.00	垃圾站	waste disposal station
10-16.55.00	垃圾处理场	waste processing station
10-16.60.00	消防控制中心	fire control center
10-16.65.00	监控中心	monitoring center
10-16.70.00	电力调度中心	electric power control center
10-16.72.00	发电机房	generator room
10-16.75.00	城市变电所	city power substation
10-16.80.00	配电站	power distribution station
10-16.82.00	开闭所	switching station
10-16.85.00	加油站	gas station
10-16.87.00	防灾应急中心	disaster prevention and emergency response center
10-16.89.00	交通指挥中心	traffic guidance center
10-17.00.00	邮电媒体建筑	post and telecommunications media

		building
10-17.10.00	电信大楼	telecommunications building
10-17.20.00	数据中心	data center
10-17.30.00	呼叫中心	call center
10-17.40.00	邮件处理中心	mail processing center
10-17.50.00	邮件转运站	mail transfer station
10-17.55.00	邮政服务网点	postal network
10-17.60.00	广播电视中心	radio and television center
10-17.65.00	广播电视发射塔	radio and television transmission tower
10-17.70.00	电影制片厂	film studio
10-17.75.00	影视外景基地	film and television location base
10-17.80.00	广播电台	broadcasting station
10-17.85.00	电视台	television station
10-17.89.00	传输网络中心	transmission network center
10-18.00.00	司法建筑	judicial building
10-18.10.00	法院	court
10-18.20.00	检察院	procuratorate
10-18.30.00	公安局	public security bureau
10-18.40.00	派出所	police station
10-18.50.00	监狱	prison
10-18.60.00	看守所	detention center
10-18.70.00	劳动教养所	labor reform department
10-18.80.00	戒瘾所	drug rehabilitation center
10-19.00.00	福利建筑	welfare architecture
10-19.10.00	养老院	nursing home
10-19.20.00	儿童福利院	children welfare home
10-19.30.00	福利康复中心	welfare rehabilitation center
10-19.40.00	救助管理站	salvation management station

10-19.50.00	收容所	asylum
10-20.00.00	殡葬建筑	funeral architecture
10-20.10.00	殡葬中心	mortuary
10-20.20.00	殡仪馆	funeral home
10-20.30.00	骨灰寄存楼	columbarium
10-20.40.00	公墓	cemetery
10-21.00.00	交通建筑	traffic architecture
10-21.10.00	铁路建筑	railway architecture
10-21.20.00	机场	airport
10-21.20.10	航站楼	terminal
10-21.20.20	机坪	airport apron
10-21.20.30	跑道	runway
10-21.30.00	城市轨道交通	city rail transport
10-21.40.00	交通枢纽	transport hub
10-21.50.00	停车场库	parking garage
10-21.60.00	高速公路服务设施及收费设施	highway facility and charging facility
10-21.70.00	公交车站	bus station
10-22.00.00	仓储物流建筑	warehousing logistics architecture
10-22.10.00	仓库	storage
10-22.10.10	原料库	raw material storage
10-22.10.20	成品库	shipping department
10-22.10.30	煤库	coal bunker
10-22.10.40	粮仓	granary
10-22.20.00	货运站	freight station
10-22.20.10	公路货运站场	highway freight station
10-22.20.20	港口货运站场	port freight station
10-22.20.30	铁路货运站场	railway freight station

10-22.30.00	装卸站台	loading platform
10-22.40.00	社会物流服务建筑	social logistics architecture
10-22.50.00	集装箱码头	container terminal
10-23.00.00	工业建筑	industrial architecture
10-23.05.00	工业园	industrial park
10-23.10.00	高技术生产开发区	high technology development zone
10-23.15.00	经济技术开发区	economic and technical development zone
10-23.20.00	工厂	factory
10-23.25.00	厂房	plant
10-23.30.00	工厂厂区行政管理服务建筑	factory district administrative service architecture
10-23.35.00	生活福利建筑	welfare architecture
10-23.40.00	动力中心	power center
10-23.45.00	仓库、料场	yard
10-24.00.00	综合建筑	comprehensive architecture
10-24.10.00	多功能综合大楼	complex building
10-24.20.00	商业综合体	commercial complex
10-25.00.00	人防工程	civil air defense project
10-25.10.00	指挥通讯工程	guidance and communication project
10-25.20.00	人员掩蔽工程	shelter project
10-25.30.00	医疗救护工程	medical aid project
10-25.40.00	防空专业队工程	service team of civil air defense project
10-25.50.00	其他配套工程	other supporting project

附录 B 按形态分建筑物

表 11 按形态分建筑物

编码	类目中文	类目英文
11-01.00.00	建筑物	building
11-01.10.00	单层建筑	one-level building
11-01.10.10	单层独立建筑	one-level individual building
11-01.10.20	单层连排建筑	one-level row building
11-01.10.30	单层围合建筑	one-level enclosed building
11-01.10.40	单层半围合建筑	one-level semi-enclosed building
11-01.20.00	多层建筑	multi-level building
11-01.20.10	多层板式建筑	multi-level slab building
11-01.20.20	多层点式建筑	multi-level block building
11-01.20.30	多层围合建筑	multi-level enclosed building
11-01.20.40	多层半围合建筑	multi-level semi-enclosed building
11-01.30.00	高层建筑	high-rise building
11-01.30.10	高层板式建筑	high-rise slab building
11-01.30.20	高层塔式建筑	high-rise tower building
11-01.30.30	高层围合建筑	high-rise enclosed building
11-01.30.40	高层半围合建筑	high-rise semi-enclosed building
11-01.40.00	超高层建筑	super high-rise building
11-01.40.10	超高层单塔建筑	super high-rise tower building
11-01.40.20	超高层联体建筑	super high-rise conjoined building
11-01.50.00	地下建筑	underground construction
11-01.50.10	全地下建筑	underground building
11-01.50.20	半地下建筑	semi-underground building
11-01.60.00	混合体型建筑	complex building
11-02.00.00	构筑物	structures
11-02.10.00	桥	bridge

11-02.10.10	横梁式桥	trabeated bridge
11-02.10.15	拱桥	arch bridge
11-02.10.20	桁架桥	truss bridge
11-02.10.25	斜拉桥	cable-stayed bridge
11-02.10.30	吊桥	suspension bridge
11-02.10.35	人行天桥	pedestrian bridge
11-02.10.40	高架桥	viaduct
11-02.10.45	组合桥	composite bridge
11-02.10.50	悬索桥	suspension bridge
11-02.15.00	管状构筑物	pipe-shaped structure
11-02.15.10	管廊	pipe rack
11-02.15.20	管沟	pipe trench
11-02.20.00	平台/码头	platforms and piers
11-02.20.10	观景台	observation deck
11-02.20.20	码头	pier
11-02.20.30	站台	platform
11-02.25.00	小品	sketch
11-02.25.10	纪念碑	the monument
11-02.25.15	雕塑/路灯	sculpture/street lamp
11-02.25.20	喷泉/花台	fountain/flower-stand
11-02.25.25	标志	mark
11-02.25.30	座椅	seat
11-02.25.35	雨篷	awning
11-02.25.40	亭子	pavilion
11-02.25.45	廊	veranda
11-02.25.50	假山置石	rockery stone
11-02.25.55	景墙	landscape wall
11-02.25.60	垃圾桶	garbage can

11-02.25.65	洗手池	hand washing sink
11-02.30.00	高耸结构	tall structures
11-02.30.10	烟囱	the chimney
11-02.30.20	水塔	water tower
11-02.30.30	杆塔	tower
11-02.30.40	仓	storehouse
11-02.30.50	储罐	storage tank
11-02.35.00	地下设施	underground facility
11-02.35.10	地下竖井	underground shaft
11-02.35.20	窗井	window well
11-02.35.30	水平隧道	horizontal tunnel
11-02.35.40	地下管道束	underground pipe bundle
11-02.35.50	公用设施坑道	public facility tunnel
11-02.35.60	地铁站	metro station
11-02.40.00	可移动构筑物	movable structure
11-02.40.10	帐篷	tent
11-02.40.20	临时看台、平台、舞台	temporary platform
11-02.40.30	临时房屋	temporary building
11-02.40.40	轨道、履带式移动结构	track-based moving structure
11-02.40.50	轮式移动结构	wheel-based moving structure
11-02.40.60	缆式移动结构	cable-based moving structure
11-02.40.70	固定浮动结构	fixed floating structure
11-02.45.00	线性构筑物	linear structure
11-02.45.10	道路	road
11-02.45.20	轨道	track
11-02.45.30	挡土墙	retaining wall
11-02.45.40	堤	dyke
11-02.45.50	坝	dam

11-02.45.60	闸	floodgate
11-02.50.00	下凹构筑物	concave structure
11-02.50.10	人工蓄水池	impounding reservoir
11-02.50.20	下沉庭院	sunken garden
11-03.00.00	区域	area
11-03.10.00	种植区域	planting area
11-03.10.10	人工种植	artificial planting
11-03.10.20	自然植被	natural vegetation
11-03.20.00	人工区域	artificial area
11-03.20.10	住宅区	residential area
11-03.20.20	教育园区	education park
11-03.20.30	商业园区	commercial park
11-03.20.40	工业园区	industrial park
11-03.20.50	物流园区	logistics park

附录 C 按功能分空间

表 12 按功能分空间

编码	类目中文	类目英文
12-01.00.00	政府空间	government space
12-01.10.00	司法空间	judicial
12-01.10.10	法庭	court
12-01.10.10.01	陪审团席	jury seats
12-01.10.10.03	陪审团休息室	jury lounge
12-01.10.10.05	法官席	judge seat
12-01.10.10.07	证物室	exhibit office
12-01.10.10.09	陪审团集合室	jury collecting room
12-01.10.10.11	证人席	witness stand
12-01.10.10.13	翻译室	interpreter's room
12-01.10.10.15	律师室	lawyer office
12-01.10.10.17	羁押室	detention room
12-01.10.10.19	旁听群众休息厅	audience lounge
12-01.10.20	法官办公室	judge's office
12-01.10.20.10	司法赔偿委员会办公室	judicial compensatory committee office
12-01.10.20.20	法官助理空间	judge assistant room
12-01.10.30	更衣室区/室	changing room
12-01.10.40	听证室	hearing room
12-01.20.00	立法空间	legislation space
12-01.20.10	议员会议室	conference room assemblyman
12-01.20.20	立法听证室	legislation hearing room
12-01.30.00	军事空间	military space
12-01.30.10	军械库	armory
12-01.30.20	军械库服务空间	armory service space
12-02.00.00	住宅空间	residential space

12-02.10.00	浴室	bathroom
12-02.15.00	住宅卫生间	residential toilet
12-02.20.00	起居室	living room
12-02.25.00	厨房	kitchen
12-02.30.00	餐厅	dining room
12-02.35.00	卧室	bedroom
12-02.40.00	套内交通空间	circulation within the suite
12-02.45.00	套内储藏空间	in suite storage
12-02.50.00	其他住宅内空间	other in suite space
12-03.00.00	艺术空间	art space
12-03.10.00	表演空间	performance space
12-03.10.10	露天剧场	open-air theater
12-03.10.20	一般表演空间	general performance space
12-03.10.20.01	舞台	stage
12-03.10.20.03	乐池	Orchestra pit
12-03.10.20.05	排练空间	rehearsal space
12-03.10.20.07	声场	acoustic field
12-03.10.20.09	演艺厅	performance hall
12-03.10.20.11	乐队训练空间	band rehearsal space
12-03.10.30	观众空间	audience space
12-03.10.30.10	迎宾大堂	guest-greeting hall
12-03.10.30.20	观众席空间	auditorium
12-03.10.40	后台区	Backstage zone
12-03.10.40.01	放映室	Projection room
12-03.10.40.03	检修通道	Inspection passage
12-03.10.40.05	舞台侧翼	stage flank
12-03.10.40.07	电影屏幕空间	Movie screen space
12-03.10.40.09	化妆间	dressing room

12-03.10.40.13	候场区	Waiting room
12-03.20.00	展示空间	exhibition space
12-03.20.10	艺术画廊	art gallery
12-03.20.20	展览画廊	the exhibition gallery
12-03.20.30	雕塑园	sculpture garden
12-03.20.40	观赏园	Ornamental garden
12-03.20.50	观景台	Viewing platform
12-03.30.00	创意空间	creative space
12-03.30.10	录音室	recording room
12-03.30.20	艺术家工作室	artist studio
12-03.30.30	摄影工作室	photography studio
12-03.30.40	媒体制作	media production
12-03.30.40.10	媒体制作支持	media production support
12-03.30.40.20	声闸	sound lock
12-03.30.50	禅意花园	zen garden
12-04.00.00	博物馆空间	museum space
12-04.10.00	博物馆画廊	museum gallery
12-04.20.00	陈列室	Showroom
12-05.00.00	图书馆空间	library space
12-05.10.00	图书馆	library
12-05.10.10	图书馆藏室	library collection
12-05.10.20	阅览室	reading room
12-05.10.20.01	一般阅览室	general reading room
12-05.10.20.03	国家、省市重要阅览室	national/provincial reading room national/provincial key reading room
12-05.10.20.05	老年阅览室	Seniors' reading room
12-05.10.20.07	珍善本、舆图阅览室	Precious collections reading room
12-05.10.20.09	青少年阅览室	Teenagers' reading room

12-05.10.20.11	多媒体阅览室	multimedia reading room
12-05.10.20.13	期刊阅览室	Journals reading room
12-05.10.30	陈列室	Show room
12-05.10.40	出纳厅	cashier office
12-05.10.50	工作间	workshop
12-05.10.50.10	装裱室	Framing room
12-05.10.50.20	编目室	Cataloging room
12-05.10.50.30	修缮室	repairing room
12-06.00.00	医疗空间	medical space
12-06.10.00	门诊用房	outpatient room
12-06.10.10	诊室	consulting room
12-06.10.20	候诊空间	waiting room
12-06.10.30	治疗室	treatment room
12-06.10.40	化验室	laboratory
12-06.10.50	护士站	nurse station
12-06.12.00	急诊用房	emergency room
12-06.12.10	诊室	consulting room
12-06.12.20	候诊空间	waiting area
12-06.12.30	治疗室	treatment room
12-06.12.40	化验室	laboratory
12-06.12.50	护士站	nurse station
12-06.14.00	住院用房	in-patient room
12-06.14.10	病房	ward
12-06.14.10.10	普通病房	public ward
12-06.14.10.20	高级病房	Advanced ward
12-06.14.10.30	伤残病房	surgical ward
12-06.14.20	重症监护室	intensive care unit
12-06.14.30	分娩室	delivery room

12-06.14.40	婴儿室	nursery room
12-06.16.00	传染病用房	infectious disease room
12-06.18.00	手术部	operation department
12-06.20.00	放射科	radiology department
12-06.20.10	X 光机扫描室	x-ray room
12-06.20.20	CT 机扫描室	ct room
12-06.22.00	超声科	ultrasonic department
12-06.22.10	B 超室	B-ultrasound Room
12-06.24.00	核医学科	nuclear medicine department
12-06.24.10	核磁共振室	mri room
12-06.26.00	检验科	clinical laboratory
12-06.26.10	临检室	clinical examination room
12-06.26.15	采集室	collecting room
12-06.26.20	净化室	purifying room
12-06.26.25	细菌室	germiculture room
12-06.26.30	血液透析室	hemodialysis room
12-06.26.35	加速器机房	accelerator rooms
12-06.26.40	实验室	laboratory
12-06.28.00	病理科	pathology department
12-06.30.00	功能检查室	examination room
12-06.32.00	内窥镜室	endoscope examination room
12-06.34.00	理疗科	physiotherapy department
12-06.36.00	心理治疗	psychotherapy
12-06.38.00	康复区	rehabilitation unit
12-06.40.00	血库	blood bank
12-06.42.00	药剂科	pharmaceutical preparation section
12-06.44.00	消毒供应室	Sterilization supply center
12-06.48.00	药房	pharmacy

12-06.50.00	辅助用房	Auxiliary room
12-07.00.00	教育培训空间	education training space
12-07.10.00	体育活动空间	sports activity space
12-07.10.10	操场	playground
12-07.10.20	风雨操场	gymnasium
12-07.20.00	教室	classroom
12-07.20.10	普通教室	standard classroom
12-07.20.20	合班教室	shared classroom
12-07.20.30	专用教室	special classroom
12-07.20.40	礼堂/讲堂	auditorium
12-07.20.50	研讨室	seminar room
12-07.30.00	教学管理用房	teaching administration room
12-07.30.10	教务处	academic affairs office
12-07.30.20	教研室	teaching and reseacrch section
12-07.30.30	校长办公室	headmaster's office
12-07.40.00	教师办公用房	teachers' office
12-07.40.10	教具室	teaching aids room
12-07.40.20	教师办公室	teacher's office
12-07.40.30	准备室	preparation room
12-07.50.00	幼教空间	preschool education space
12-07.50.10	晨检室	morning check room
12-07.50.20	哺乳室	nursing room
12-07.50.30	幼儿活动室	children's activity room
12-08.00.00	实验室空间	laboratory space
12-08.10.00	化学实验室	chemical lab
12-08.12.00	生物科学实验室	biological science lab
12-08.14.00	物理科学实验室	physical science lab
12-08.14.10	光学物理实验室	optical physics lab

12-08.14.20	物理研究实验室	physics research lab
12-08.16.00	天文实验室	astronomy lab
12-08.18.10	天文学研究实验室	astronomy research lab
12-08.20.00	地球与环境科学实验室	earth and environmental science lab
12-08.20.10	地质实验室	geological lab
12-08.20.20	地球科学实验室	earth science lab
12-08.22.00	鉴识实验室	forensic lab
12-08.24.00	心理学实验室	psychological lab
12-08.26.00	台式实验室	desktop lab
12-08.28.00	干实验室	dry lab
12-08.30.00	集成实验室	integrated lab
12-08.32.00	湿实验室	wet lab
12-08.34.00	实验室的存储空间	Storage space for the lab
12-08.36.00	实验室支持空间	lab-supply room
12-09.00.00	商业空间	commercial space
12-09.10.00	办公空间	office space
12-09.10.10	办公室	office
12-09.10.20	会议室	meeting room
12-09.10.30	文件存储	file storage
12-09.10.40	共享设备站	shared equipment station
12-09.10.50	复印室	copy room
12-09.15.00	银行空间	bank space
12-09.15.10	银行出纳员空间	bank cashier's room
12-09.15.20	自动柜员机空间	ATM room
12-09.15.30	金库	vault
12-09.15.40	自动存取款区	automatic deposit and withdrawal area
12-09.20.00	交易空间	trading space
12-09.20.10	交易大厅	trading hall

12-09.30.00	展示空间	exhibition space
12-09.40.00	销售空间	selling space
12-09.40.10	结帐台	cashier/check-out stand
12-09.40.20	展示空间	exhibition space
12-09.40.30	安装空间	installation space
12-09.40.40	自动贩卖机区	vending machine
12-09.40.50	拍卖室	auction room
12-09.40.60	宠物店动物空间	pet shop
12-09.45.00	商业服务和维修空间	business service and repair space
12-09.50.00	商业后勤空间	business logistics space
12-09.55.00	酒店宿舍后勤区	Hostel logistics area
12-09.55.10	宿舍	dormitory
12-09.55.20	酒店公寓房	Serviced apartment
12-09.55.00	商务活动支持区	business activity support area
12-09.55.10	咨询台	information desk
12-09.55.15	休息厅	lobby
12-09.55.20	邮局空间	post office
12-09.55.25	邮件派递室	mail delivery room
12-09.55.30	邮政信箱大堂	post box lobby
12-09.55.35	会议厅	conference hall
12-09.55.35.01	会议室	conference room
12-09.55.35.03	媒体会议室	media conference room
12-09.55.35.05	社区活动室	community activity room
12-09.55.35.07	作战室	war room
12-09.55.35.09	会议设备室	Conference Facilities room
12-09.55.40	等待区	waiting area
12-09.55.40.10	接待空间	reception space
12-09.55.40.20	等候室	waiting room

12-09.55.40.30	队列空间	queuing space
12-09.55.45	业务支持空间	business support
12-10.00.00	休闲娱乐空间	leisure and entertainment space
12-10.10.00	运动娱乐空间	sports and entertainment space
12-10.10.10	看台	stand
12-10.10.10.10	主席台	rostrum
12-10.10.10.20	普通看台	public stand
12-10.10.20	团体项目设施	team sports facility
12-10.10.20.01	棒球场	ball park
12-10.10.20.03	垒球场	baseball field
12-10.10.20.05	球员席	team bench
12-10.10.20.07	草地运动场	grass field
12-10.10.20.09	人造草皮运动场	artificial turf field
12-10.10.20.11	橄榄球场	football field
12-10.10.20.13	足球场	soccer field
12-10.10.20.15	篮球场	basketball court
12-10.10.20.17	灯光运动场	illuminated stadium
12-10.10.20.19	记者席	press box
12-10.10.30	个人项目设施	personal project facilities
12-10.10.30.01	硬表面运动场	hard court
12-10.10.30.03	网球场	tennis court
12-10.10.30.05	排球场	volleyball court
12-10.10.30.07	高尔夫球场	golf course
12-10.10.30.09	（高尔夫）练习场	golf range
12-10.10.30.11	高尔夫球场支持空间	gulf course support space
12-10.10.30.13	溜冰场	skating rink
12-10.10.30.15	拳击场	ring
12-10.10.30.17	摔跤垫	the mat

12-10.10.30.19	跳板	the springboard
12-10.10.30.21	保龄球场	bowling alley
12-10.10.30.23	飞镖投掷区	dart field
12-10.10.30.25	环形训练场	ring training field
12-10.10.30.27	跑道	runway
12-10.10.30.29	滑雪缆车空间	ski lift
12-10.10.30.31	训练场	training field
12-10.10.30.33	锻炼站	exercise room
12-10.10.30.35	有氧运动室	aerobic activity room
12-10.10.30.37	攀岩墙	climbing wall
12-10.10.30.39	绳索课程元素	rope course
12-10.20.00	泳池	swimming pool
12-10.20.10	室外泳池	outdoor swimming pool
12-10.20.20	室内泳池	indoor swimming pool
12-10.20.20.10	潜水舱	diving chamber
12-10.30.00	非运动性娱乐空间	non sports entertainment space
12-10.30.01	公园	park
12-10.30.03	游乐园	amusement park
12-10.30.05	室内练靶场	indoor shooting range
12-10.30.07	室外射击场	outdoor shooting range
12-10.30.09	游戏区	game area
12-10.30.11	操场	playground
12-10.30.13	游戏室	playroom
12-10.30.15	棋牌室	chess and cards room
12-10.30.17	游戏机室	game room
12-10.30.19	阅兵场	parade field
12-10.30.21	网吧	internet bar
12-10.30.23	手工艺中心	handicraft center

12-10.30.25	舞池	dancing floor
12-10.30.27	游戏厅	game room
12-10.40.00	健康空间	wellness center
12-10.40.10	健身中心	fitness center
12-10.40.10.10	健身房	gym
12-10.40.10.20	举重房	weight training room
12-11.00.00	宗教场所	religious place
12-11.10.00	佛教场所	buddhist place
12-11.10.10	佛塔	pagoda
12-11.10.20	山门	the front gate
12-11.10.30	佛殿	buddhist hall
12-11.10.40	天王殿	the hall of deva kings
12-11.10.50	诵经台	lectern
12-11.10.60	方丈殿	abbot hall
12-11.10.70	配殿	side hall
12-11.20.00	道教场所	Taoist place
12-11.20.10	三清殿	Sanqing hall
12-11.20.20	灵宫	spirit hall
12-11.20.30	坛台	altar
12-11.30.00	基督教场所	christian place
12-11.30.10	忏悔室	confessional
12-11.30.20	唱经台	choir stage
12-11.30.30	洗礼堂	Baptistery
12-11.30.40	钟塔	bell tower
12-11.40.00	天主教场所	cathedral
12-11.50.00	伊斯兰教场所	mosque
12-11.60.00	其他教派场所	other religious place
12-12.00.00	环境受控空间	Environment controlled space

12-12.10.00	声环境控制的空间	Voice-control space
12-12.20.00	温度控制的空间	temperature-control space
12-12.30.00	照度控制的空间	illuminance-control space
12-12.40.00	洁净度控制的空间	hygiene-control space
12-12.50.00	湿度控制的空间	humidity-control space
12-12.60.00	风速控制的空间	windspeed-control space
12-12.70.00	其他参数控制的空间	other parameter-control space
12-13.00.00	服务活动空间	services activities
12-13.10.00	美容活动空间	cosmetic space
12-13.10.10	化妆空间	make up
12-13.10.20	剪发空间	hairdressing
12-13.15.00	餐饮服务	catering services
12-13.15.10	烹饪空间	cooking space
12-13.15.20	厨房空间	kitchen space
12-13.15.20.10	食物准备	food preparation
12-13.15.20.20	烹饪区	cooking area
12-13.15.20.30	洗碗站	dish-washing station
12-13.15.30	餐饮和饮用水空间	food and drinking water space
12-13.15.30.01	餐厅	dining room
12-13.15.30.03	宴会厅	banquet hall
12-13.15.30.05	美食广场	food plaza
12-13.15.30.07	小吃店	snack bar
12-13.15.30.09	沙拉吧	salad bar
12-13.15.30.11	酒吧	bar
12-13.15.30.13	饮料站	Beverage station
12-13.15.30.15	服务站	service station
12-13.15.30.17	自动贩卖易腐产品空间	automatic sell perishable products space
12-13.15.30.19	食堂自动售货机空间	the canteen vending machine space

12-13.15.30.21	托盘归还空间	pallet return space
12-13.15.30.23	食品丢弃站	Discarded food station
12-13.15.40.25	咖啡站	coffee stand
12-13.25.00	儿童空间	children space
12-13.25.10	托儿病房	nursery ward
12-13.25.20	儿童日托空间	children's day care space
12-13.25.30	游戏室	playroom
12-13.30.00	休息空间	rest space
12-13.30.10	休息区	lounge area
12-13.35.20	休息室	lounge
12-13.40.00	洗衣/干洗房	laundry room
12-13.45.00	吸烟室	smoking room
12-14.00.00	设保安监控的空间	security monitoring space
12-14.10.00	动物隔离空间	animal quarantine space
12-14.10.10	笼舍	cage
12-14.10.20	厩	stables
12-14.10.30	狮虎山	lion and tiger hill
12-14.10.40	爬行馆	reptile house
12-14.10.50	水族馆	aquarium
12-14.20.00	监狱看守所	prison
12-14.20.05	拘留室	detention centers
12-14.20.10	关押牢房	prison cell
12-14.20.15	扣押地段	Seizure area
12-14.20.20	禁闭室	brig
12-14.20.25	家属会见室	the visiting room of prison
12-14.20.30	技能培训用房	training room
12-14.20.35	劳动改造用房	labour reforming room
12-14.20.40	文体活动用房	recreational and sports activity room

12-14.30.00	人防空间	civil air defence space
12-14.30.10	人员掩蔽室	shelter place
12-14.30.20	医疗救护站	medical aid station
12-14.30.30	洗消间	wash and disinfectant house
12-14.30.40	物资库	goods and material warehouse
12-14.30.50	防毒通道	gas defense passage
12-15.00.00	仓储空间	storage space
12-15.10.00	仓库	warehouse
12-15.10.10	露天仓库	open-air warehouse
12-15.10.20	地下仓库	underground warehouse
12-15.10.30	室内仓库	indoor warehouse
12-15.20.00	存储空间	storage space
12-15.20.05	储藏室	storage room
12-15.20.10	壁橱	closet
12-15.20.15	衣帽寄存处	cloakroom
12-15.20.20	更衣室	dressing room
12-15.20.25	归档空间	archives
12-15.20.30	供应室	supply room
12-15.30.00	可移动的存储空间	movible storage space
12-15.30.10	集装箱	container
12-15.30.20	船舱	cabin
12-15.40.00	环境受控存储空间	environment-control storage
12-15.40.10	冷藏室	refrigerator
12-15.40.20	冷冻室	freezing chamber
12-15.40.30	湿度控制存储空间	humidity-control storage space
12-15.40.40	真空密封的储藏室	vacuum seal storage
12-15.50.00	特别物品存储空间	special goods storage space
12-16.00.00	建筑附属空间	subsidiary architectural space

12-16.05.00	屋顶	roof
12-16.10.00	耳房	wing
12-16.15.00	直升机坪	helicopter pad
12-16.20.00	阳台	balcony
12-16.25.00	露台	terrace
12-16.30.00	步行道	walkway
12-16.30.05	人行道	sidewalk
12-16.30.10	步行区	pedestrian zone
12-16.30.15	人行天桥	pedestrian bridge
12-16.30.20	径	path
12-16.30.25	小径	pathlet
12-16.30.30	踏步	step
12-17.00.00	后勤服务空间	logistics service space
12-17.03.00	机械交通	mechanical transport/circulation
12-17.03.05	电梯井道	elevator shaft
12-17.03.10	电梯底坑	elevator pit
12-17.03.15	电梯轿厢	elevator car
12-17.03.20	电梯机房	elevator machine room
12-17.03.25	升降梯	elevator
12-17.03.30	自动扶梯	escalator
12-17.03.35	自动坡道	automatic ramp
12-17.03.40	货物电梯	freight lift
12-17.06.00	疏散楼梯	emergency staircase
12-17.06.05	防烟楼梯间	smoke proof stairwell
12-17.06.10	封闭楼梯间	enclosed staircase
12-17.06.20	开敞楼梯	open staircase
12-17.09.00	非疏散楼梯	non emergency staircase
12-17.13.00	坡道	ramp

12-17.16.00	烟囱	chimney
12-17.19.00	垂直货运通道	vertical transportation channel
12-17.21.00	设备竖井	equipment shaft
12-17.21.05	垃圾道	garbage shaft
12-17.21.10	水井	well
12-17.21.15	风井	air shaft
12-17.21.20	电井	electrical shaft
12-17.21.25	智能化系统管井	intelligent system shaft
12-17.21.30	水暖井	plumbing wells
12-17.21.35	其他设备竖井	other equipment shaft
12-17.23.00	设备夹层	equipment mezzanine
12-17.26.00	管廊	pipe rack
12-17.29.00	控制室	control room
12-17.29.10	消防控制中心	fire control center
12-17.29.20	保安室	security room
12-17.29.30	机房控制室	data control room
12-17.29.40	其他控制室	other control room
12-17.33.00	装卸区	loading area
12-17.36.00	卫生间	toilet
12-17.36.10	男卫生间	men's room
12-17.36.20	女卫生间	ladies' room
12-17.36.30	中性卫生间	unisex bathroom
12-17.36.40	无障碍卫生间	wheelchair accessible lavatory
12-17.39.00	设备机房	equipment room
12-17.39.02	制冷机房	refrigerating room
12-17.39.04	锅炉房	boiler room
12-17.39.06	焚烧炉室	incinerator room
12-17.39.08	燃料储存室	fuel storage room

12-17.39.10	燃气表间	gas meter room
12-17.39.12	储油间	oil storage room
12-17.39.14	报警阀室	alarm valve room
12-17.39.16	钢瓶间	cylinder room
12-17.39.18	水泵房	water pump room
12-17.39.20	隔油池	oil separating tank
12-17.39.22	送风机房	air inlet machine room
12-17.39.24	排风机房	air outlet machine room
12-17.39.26	空调机房	air conditioning machine room
12-17.39.28	空气压缩机房	air compressor room
12-17.39.30	生活水箱间	living water tank room
12-17.39.32	消防水箱间	fire water tank room
12-17.39.34	中水处理机房	water treatment room
12-17.39.36	换热站	heat exchange station
12-17.39.38	市热站	city heat station
12-17.39.40	发电机房	generator room
12-17.39.42	开闭站	switching station
12-17.39.44	分界室	demarcation room
12-17.39.46	变电室	substation
12-17.39.48	配电间	distribution room
12-17.39.48.10	高压配电室	high voltage power distribution room
12-17.39.48.20	中压配电室	medium voltage power distribution room
12-17.39.48.30	低压配电室	low voltage power distribution room
12-17.39.50	智能化系统机房	intelligent system room
12-17.39.50.01	网络机房	network room
12-17.39.50.03	电话机房	telephone room
12-17.39.50.05	电视机房	television room
12-17.39.50.07	建筑设备监控机房	construction equipment monitoring room

12-17.39.50.09	广播机房	broadcast room
12-17.43.00	废物处理和回收空间	waste disposal and recycling space
12-17.43.10	垃圾间	garbage room
12-17.43.20	危险废物贮存室	hazardous waste storage room
12-17.46.00	物业管理用房	property management room
12-17.46.10	物业管理办公室	property management office
12-17.46.15	传达室	reception office
12-17.46.20	工具间	tool room
12-17.46.25	车间	workshop
12-17.46.30	接收间	receiving room
12-17.46.35	通道	passageway
12-17.46.40	修理间	fix room
12-17.46.45	储藏室	storage room
12-17.46.50	工程室	engineering room
12-17.46.55	集气室	gas collecting chamber
12-18.00.00	交通空间	circulation space
12-18.10.00	主要交通空间	main circulation space
12-18.10.10	走廊	corridor
12-18.10.20	步行商业街	pedestrian commerical street
12-18.10.30	集散大厅	distributing hall
12-18.10.40	连廊	corridor
12-18.10.50	移动人行道	moving sidewalk
12-18.20.00	过渡交通空间	transition circulation space
12-18.20.10	出入口门厅	entrance hall
12-18.20.15	出入口过厅	entrance foyer
12-18.20.20	保安岗	security
12-18.20.25	电梯厅	elevator hall
12-18.20.30	货运电梯厅	freight elevator hall

12-18.20.35	休息平台	rest platform
12-18.20.40	接待处	reception
12-18.20.45	气闸室	air lock room
12-18.20.50	门斗	anteroom
12-18.20.60	登机道	jetway
12-18.30.00	连接空间	connecting space
12-18.30.10	室内连桥	indoor connecting bridge
12-18.40.00	室外交通空间	outdoor circulation space
12-18.40.10	外廊	veranda
12-18.40.20	室外连桥	outdoor connecting bridge
12-18.50.00	避难空间	refuge space
12-18.50.10	前室	antechamber
12-18.50.10.10	楼梯前室	staircase antechamber
12-18.50.10.20	消防电梯前室	fire staircase antechamber
12-18.50.10.30	合用前室	shared antechamber
12-18.50.20	避难层	refuge floor
12-18.50.30	避难通道	refuge passage
12-19.00.00	停车场空间	parking space
12-19.05.00	室外停车场	outdoor parking
12-19.05.10	室外停车场交通空间	outdoor parking circulation
12-19.05.20	室外停车场出入控制点	outdoor parking access control point
12-19.05.30	室外停车场车位	outdoor parking carport
12-19.05.40	室外机械立体停车	vertical mechanical parking
12-19.10.00	停车库	parking garage
12-19.10.10	室内停车坡道和交通空间	indoor parking slope and circulation
12-19.10.20	室内停车场出入控制点	indoor parking access control point
12-19.10.30	室内停车场车位	indoor parking lot
12-19.10.40	室内车相关服务空间	indoor vehicle related service space

12-19.10.50	机械立体停车库	mechanical cubic parking lot
12-20.00.00	铁路空间	railway space
12-20.05.00	列车运行空间	train operation space
12-20.10.00	铁路用地空间	railway land space
12-20.15.00	安全保护区	safety protection zone
12-20.20.00	列车作业空间	train work space
12-20.25.00	段所空间	vehicles depot space
12-20.30.00	客运空间	passenger space
12-20.35.00	货运房屋	freight house
12-20.40.00	运转房屋	running house
12-20.45.00	通信房屋	communication room
12-20.50.00	信号房屋	signal room
12-20.55.00	管理维修房屋	management and maintenance house
12-20.60.00	电力牵引供电房屋	electric traction power supply house
12-20.65.00	机务房屋	maintenance house
12-20.70.00	车辆房屋	vehicle house
12-21.00.00	工业空间	industrial space
12-21.05.00	生产空间	production space
12-21.10.00	辅助生产空间	auxiliary production space
12-21.15.00	办公生活配套空间	office & life supporting space
12-21.20.00	科研空间	research & development space
12-21.25.00	公用配套工程	public supporting projects
12-21.30.00	信息基础设施	information infrastructure
12-21.35.00	环保治理空间	environmental protection & pollution control space
12-21.40.00	物流运输与仓储空间	warehouse & logistics space
12-21.45.00	专用空间	application specific space

附录 D 按形态分空间

表 13 按形态分空间

编码	类目中文	类目英文
13-01.00.00	完全围合的空间	completely enclosed space
13-01.10.00	房间	room
13-01.10.10	单层房间（平）	One-story room
13-01.10.20	多层通高房间（平）	LOFT
13-01.10.30	带阶梯的单层房间	One-story room with stair
13-01.10.40	带阶梯的通高房间	LOFT with stair
13-01.10.50	其他房间	other room
13-01.20.00	楼层	floor
13-01.20.10	地下室	basement
13-01.20.20	阁楼	Attic
13-01.20.30	夹层	mezzanine
13-01.20.40	自然层	standard level
13-01.30.00	中庭	Atrium
13-01.30.10	集中式中庭	central atrium
13-01.30.20	线形中庭	linear atrium
13-01.40.00	垂直围合空间	vertical enclosed space
13-01.40.10	楼梯间	staircase
13-01.40.20	电梯井道	Elevator shaft
13-01.40.30	设备井道	equipment shaft
13-01.40.40	其他井道	other shaft
13-01.50.00	隔间	compartment
13-01.60.00	其他围合空间	other enclosed space
13-02.00.00	部分围合的空间	Part of enclosed space
13-02.10.00	半嵌空间	Semi underground space
13-02.20.00	过渡空间	Transitional space

13-02.30.00	抬高空间	Elevated space
13-02.30.10	阳台	balcony
13-02.30.20	舞台	stage
13-02.30.30	平台	platform
13-02.30.40	其他上抬空间	Other elevated space
13-02.40.00	低凹空间	Sunken space
13-02.40.10	坑道	Tunnel
13-02.40.20	池	pool
13-02.40.30	其他低凹空间	Other sunken space
13-02.50.00	其他部分封闭空间	Other enclosed space
13-03.00.00	无围合的空间	Non-Enclosed Space
13-03.10.00	台、站	Station
13-03.10.10	点式服务台	point reception
13-03.10.20	线形服务台	liner reception
13-03.10.30	其他台状空间	Other podium space
13-03.20.00	组团	Cluster
13-03.20.10	有序组团	Ordered cluster
13-03.20.20	无序组团	disordered cluster
13-03.20.30	其他组团	other cluster
13-03.30.00	区	area
13-03.30.10	有序区域	sequence area
13-03.30.20	无序区域	Non-sequenced space
13-03.30.30	其他区域	Other area
13-03.40.00	片	Areas
13-03.50.00	其他无围合空间	Other Non-Enclosed Spaces
13-04.00.00	有遮罩的空间	Covered Space
13-04.10.00	附属空间	Attached Spaces
13-04.10.10	门廊	Porch

13-04.10.20	拱廊	Arcade
13-04.10.30	回廊	Cloister
13-04.10.40	其他附属有遮罩空间	Other attached covered space
13-04.20.00	独立空间	Individual space
13-04.20.10	亭子	pavilion
13-04.20.20	凉棚	pergola
13-04.20.30	其他独立空间	Other individual space
13-04.30.00	其他遮罩空间	Other Covered Spaces
13-05.00.00	无遮罩的空间	Open space
13-05.10.00	线性空间	Linear space
13-05.10.05	宅间小路	Alley
13-05.10.10	组团级路	Street
13-05.10.15	小区级路	Sidewalk
13-05.10.20	辅路	side road
13-05.10.25	步行道	Walkway/Sidewalk
13-05.10.30	市政道路	municipal road
13-05.10.35	其他道路	other road
13-05.10.40	其他线性空间	Other Routes
13-05.20.00	室外区域	Outdoor Areas
13-05.20.10	阳台	balcony
13-05.20.15	天井	Courtyard
13-05.20.20	庭院	Courtyard
13-05.20.25	采光井	Light Well
13-05.20.30	农田	farmland
13-05.20.35	种植区	Planting area
13-05.20.40	院子	Yard
13-05.20.45	屋面	Roof Area
13-05.20.50	其他室外区域	Other Outdoor Areas

13-05.30.00	路口和节点	Intersections and Nodes
13-05.30.10	交叉道路	Intersection
13-05.30.20	十字路口	Crossroad
13-05.30.30	广场	Plaza
13-05.30.40	其他路口和节点	Other Intersections and Nodes
13-05.40.00	其他开敞空间	Other open-air space
13-06.00.00	组合空间	Combined Spaces
13-06.10.00	结合空间	Combined Spaces
13-06.10.10	套间	Suite
13-06.10.20	核心筒	Core
13-06.10.30	其他结合的空间	other combined space
13-06.20.00	成组空间	space clusters
13-06.20.10	建筑侧翼	Building wing
13-06.20.20	侧厅	Side hall
13-06.20.30	其他成组空间	Other grouped space
13-07.00.00	地形范畴	terrain category
13-07.10.00	倾斜的地形	sloped topography
13-07.10.10	山谷	Valley
13-07.10.15	通道	passageway
13-07.10.20	高原	Plateau
13-07.10.25	圆丘	Knoll
13-07.10.30	岭	Ridge
13-07.10.35	峰	Summit
13-07.10.40	崖径	Berne
13-07.10.45	沼泽地	Swamp
13-07.10.50	其他倾斜的地形空间	Other sloped topography
13-07.20.00	平坦的地形	Flat topography
13-07.20.10	平原	Plain

13-07.20.20	草甸	Meadow
13-07.20.30	盆地	Basin
13-07.30.00	临水地形	waterfront topography
13-07.30.05	半岛	Peninsula
13-07.30.10	点	Point
13-07.30.15	入口	Inlet
13-07.30.20	湾	Bay
13-07.30.25	海岸线	Shoreline
13-07.30.30	岛	Island
13-07.30.35	泻湖	Lagoon
13-07.30.40	其他陆地和水的地形空间	Other Land and Water Topography
13-07.40.00	与水相关的地形	Water related topography
13-07.40.05	池塘	Pond
13-07.40.10	湖泊	Lake
13-07.40.15	水库	Reservoir
13-07.40.20	溪	Creek
13-07.40.25	河流	River
13-07.40.30	其他与水有关的地形	other Water related topography

附录 E 元素

表 14 元素

编码	类目中文	类目英文
14-10.00.00	建筑	architecture
14-10.10.00	场地	site
14-10.10.03	道路	roadways
14-10.10.03.03	道路铺面	roadway pavement
14-10.10.03.06	道路路缘与排水沟	roadway curbs and gutters
14-10.10.03.09	道路附件	roadway appurtenances
14-10.10.03.12	道路照明	roadway lighting
14-10.10.03.15	车辆收费系统	vehicle fare collection
14-10.10.06	停车场	parking lots
14-10.10.06.03	停车场路面	parking lot pavement
14-10.10.06.06	停车场路肩和排水沟	parking lot curbs and gutters
14-10.10.06.09	停车场附件	parking lot appurtenances
14-10.10.06.12	停车场照明	parking lot lighting
14-10.10.06.15	外部停车控制设备	exterior parking control equipment
14-10.10.09	广场	plazas
14-10.10.12	人行道	walkway
14-10.10.12.03	游憩人行道	recreation walkway
14-10.10.12.06	通勤、通学人行道	commuter walkway
14-10.10.12.09	购物人行道	shopping walkway
14-10.10.12.12	交通人行道	traffic walkway
14-10.10.12.15	人行道附属设施	walkway appurtenances
14-10.10.15	室外活动区	playfield areas
14-10.10.15.03	竞技区	athletic areas
14-10.10.15.06	游憩区	recreational areas

14-10.10.15.09	运动场地	playfield areas
14-10.10.18	园林景观	landscaping
14-10.10.18.03	种植灌溉	planting irrigation
14-10.10.18.06	草坪	turf and grasses
14-10.10.18.09	植物	plants
14-10.10.18.12	种植配件	planting accessories
14-10.10.18.15	景观照明	landscape lighting
14-10.10.18.18	园林景观活动	landscaping activities
14-10.10.21	场地附属设施	site appurtenances demolition
14-10.10.21.03	消防栓	fire hydrant
14-10.10.21.06	排水口	drain
14-10.10.21.09	室外喷泉	exterior fountains
14-10.10.21.12	围墙和大门	fences and gates
14-10.10.21.15	室外家具	site furnishings
14-10.10.21.18	室外标志牌	exterior signage
14-10.10.21.21	旗杆	flagpoles
14-10.10.21.24	覆盖与遮蔽	covers and shelters
14-10.10.21.27	外部气体照明	exterior gas lighting
14-10.10.21.30	现场设备	site equipment
14-10.10.21.33	挡土墙	retaining walls
14-10.10.21.36	场地桥梁	site bridges
14-10.10.21.39	现场检查设备	site screening devices
14-10.10.21.42	场地特制品	site specialties
14-10.20.00	建筑构件	architectural components
14-10.20.03	建筑墙	architectural wall
14-10.20.03.03	建筑内墙	architectural interior wall
14-10.20.03.06	建筑外墙	architectural exterior wall
14-10.20.03.09	建筑特殊墙体	architectural special wall

14-10.20.06	建筑柱	architectural column
14-10.20.09	门	doors
14-10.20.09.03	室内门	interior gates
14-10.20.09.06	室外门	exterior gates
14-10.20.12	窗	windows
14-10.20.12.03	内窗	interior windows
14-10.20.12.06	外窗	exterior windows
14-10.20.15	屋顶	roof
14-10.20.15.03	平屋面	flat roof
14-10.20.15.06	坡屋顶	sloping roof
14-10.20.15.09	其他屋面	other roof
14-10.20.15.12	屋顶辅助构件	roof supplementary components
14-10.20.18	楼地板	flooring
14-10.20.18.03	地面板及面层	ground decks, slabs, and toppings
14-10.20.18.06	楼层板及面层	floor decks, slabs, and toppings
14-10.20.18.09	阳台地面	balcony floor
14-10.20.18.12	夹层楼面	mezzanine floor
14-10.20.18.15	楼层构造辅助构件	floor construction supplementary components
14-10.20.21	幕墙	curtain wall
14-10.20.21.03	构件式建筑幕墙	frame supported glass curtain wall assembled in elements
14-10.20.21.06	单元式幕墙	unitized curtain wall
14-10.20.21.09	玻璃幕墙	glass curtain wall
14-10.20.21.12	石材幕墙	stone curtain wall
14-10.20.21.15	金属板幕墙	metal curtain wall
14-10.20.21.18	全玻璃幕墙	full glass curtain
14-10.20.21.21	点支承玻璃幕墙	point-supported glass curtain wall
14-10.20.21.24	开放式幕墙	open joint curtain wall

14-10.20.21.27	框架式(元件式)幕墙	frame curtain wall
14-10.20.21.30	双层通风幕墙	double curtain wall
14-10.20.24	天花板	ceiling
14-10.20.24.03	平面式天花板	plane ceiling
14-10.20.24.06	凹凸式天花板	unevenness ceiling
14-10.20.24.09	悬吊式天花板	suspended ceiling
14-10.20.24.12	井格式天花板	lattice ceiling
14-10.20.27	楼梯	stairs
14-10.20.27.03	楼梯构造	stair construction
14-10.20.27.06	楼梯板底面	stair soffit
14-10.20.27.09	楼梯扶手	stair railing
14-10.20.27.12	消防疏散	fire escape
14-10.20.27.15	金属人行道	metal walkway
14-10.20.27.18	爬梯	ladder
14-10.20.30	运输系统	transportation system
14-10.20.30.03	电梯	elevator
14-10.20.30.06	升降机	lift
14-10.20.30.09	自动扶梯	escalator
14-10.20.30.12	食品升降机	dumbwaiter
14-10.20.30.15	移动坡道	moving ramp
14-10.20.30.18	自动过道	moving walk
14-10.20.30.21	转盘	turntable
14-10.20.30.24	旅客登机桥	passenger loading bridge
14-10.20.30.27	自动步道	people mover
14-10.20.30.30	起重机	crane
14-10.20.30.33	卷扬机	hoist
14-10.20.30.36	井架	derrick
14-10.20.30.39	输送机	conveyor

14-10.20.30.42	行李处理设备	baggage handling equipment
14-10.20.30.45	滑运道	chute
14-10.20.30.48	气动管道系统	pneumatic tube system
14-10.20.30.51	悬挂式脚手架	suspended scaffolding
14-10.20.30.53	升降平台	elevating platform
14-10.20.30.57	供电脚手架	powered scaffolding
14-10.20.30.60	建筑围护结构检修	building envelope access
14-10.20.33	坡道	ramp
14-10.20.33.03	行车坡道	road ramp
14-10.20.33.06	轮椅坡道	wheelchair ramp
14-10.20.36	台阶	steps
14-10.20.36.03	室内台阶	interior steps
14-10.20.36.06	室外台阶	exterior steps
14-10.20.39	散水与明沟	apron and open trench
14-10.20.42	栏杆	railings
14-10.20.42.03	节间式栏杆	internode railings
14-10.20.42.06	连续式栏杆	continuous railings
14-10.20.45	檐口	cornice
14-10.20.45.03	挑檐板	eaves board
14-10.20.45.06	滴水檐	dripping eave
14-10.20.45.09	天沟	gutter
14-10.20.48	雨篷	canopy
14-10.20.48.03	悬挑式雨篷	overhanging canopy
14-10.20.48.06	悬挂式雨篷	hanging canopy
14-10.20.48.09	支承式雨篷	supporting canopy
14-10.20.48.12	玻璃钢结构雨篷	frp structure canopy
14-10.20.48.15	全钢结构雨篷	steel structure canopy
14-10.20.48.18	新型组装式雨篷	novel assembling canopy

14-10.20.51	阳台露台	balcony and terrace
14-10.20.51.03	内阳台	interior balcony
14-10.20.51.06	外阳台	exterior balcony
14-10.20.51.09	露台	terrace
14-10.20.54	压顶	coping
14-10.20.54.03	女儿墙压顶	parapet coping
14-10.20.54.06	窗压顶	windows coping
14-10.20.57	建筑连接件	building connections
14-10.20.60	变形缝	deformation joint
14-10.20.60.03	地面变形缝	ground deformation joint
14-10.20.60.06	楼面变形缝	floor deformation joint
14-10.20.60.09	有防水层楼地面变形缝	waterproof layer of floor deformation joint
14-10.20.60.12	屋面变形缝	roof deformation joint
14-10.20.60.15	外墙面变形缝	exterior wall deformation joint
14-10.30.00	室内装饰	interior finishes
14-10.30.03	室内构造	interior construction
14-10.30.03.03	木家具构造	wood furniture construction
14-10.30.03.06	地面装饰构造	ground finishes construction
14-10.30.03.09	墙面装饰构造	wall finishes construction
14-10.30.03.12	隔墙与隔断构造	partition wall construction
14-10.30.03.15	门窗装饰构造	door and window construction
14-10.30.03.18	柱子与楼梯构造	pillar and staircase construction
14-10.30.03.21	顶棚装饰构造	ceiling finishes construction
14-10.30.06	装饰设备	decorate equipment
14-10.30.06.03	厨房设备	kitchens equipment
14-10.30.06.06	卫生间设备	toilet equipment
14-10.30.06.09	系统集成设备	system integration equipment

14-10.30.09	灯具	lighting fixtures
14-10.30.09.03	工程灯具	engineering lamps
14-10.30.09.06	装饰灯具	decorative lamps
14-10.30.12	家具	furnishings
14-10.30.12.03	活动家具	movable furnishings
14-10.30.12.06	固定家具	fixed furnishings
14-10.30.15	室内绿化与内庭	interior irrigation and courtyard
14-10.30.15.03	室内植物	interior plants
14-10.30.15.06	假山叠石	rockery and stacked stone
14-10.30.15.09	喷泉	interior fountains
14-10.30.15.12	水景形式	interior water features
14-10.30.15.15	园林装饰	landscaping
14-10.30.15.18	室内庭	interior courtyard
14-10.30.18	室内陈设	accessories
14-10.30.18.03	软装饰	window treatments
14-10.30.18.06	陈设品	movable art
14-20.00.00	结构	structure
14-20.10.00	地基基础	ground and foundation
14-20.10.03	基础	foundation
14-20.10.03.03	独立基础	independent foundation
14-20.10.03.06	条形基础	strip foundation
14-20.10.03.09	筏板基础	raft foundation
14-20.10.03.12	箱形基础	box foundation
14-20.10.03.15	桩基础	pile foundation
14-20.10.06	基础梁	foundation beam
14-20.10.09	基础底板	bottom plate
14-20.10.12	基坑围护	excavation support
14-20.10.12.03	地下围护墙	underground retaining wall

14-20.10.12.06	锚杆	anchor bolt
14-20.10.12.09	土钉	soil nailing
14-20.10.15	桩	pile
14-20.10.15.03	摩擦桩	friction pile
14-20.10.15.06	端承摩擦桩	end bearing friction pile
14-20.10.15.09	端承桩	end bearing pile
14-20.10.15.12	摩擦端承桩	friction end bearing pile
14-20.20.00	混凝土结构	concrete construction
14-20.20.03	混凝土板	concrete plate
14-20.20.06	混凝土梁	concrete beam
14-20.20.09	混凝土柱	concrete column
14-20.20.12	混凝土梁柱节点	concrete beam and column joint
14-20.20.15	混凝土墙	concrete wall
14-20.20.18	预埋及吊环	pre-cast and ring
14-20.20.21	结构缝	structural joint
14-20.20.21.03	沉降缝	settlement joint
14-20.20.21.06	抗震缝	seismic joint
14-20.20.21.09	伸缩缝	shrinkage joint
14-20.30.00	钢结构	steel structure
14-20.30.03	钢柱	steel column
14-20.30.06	钢梁	steel beam
14-20.30.09	钢桁架	steel truss
14-20.30.12	钢网架	steel grid structure
14-20.30.15	钢檩条	steel wingceltis
14-20.30.18	拉索	cable
14-20.30.21	膜	membrane
14-20.03.24	钢支撑	steel brace
14-20.03.27	钢结构连接节点	steel connection

14-20.03.30	钢结构连接附件	steel connection accessories
14-20.40.00	其他结构	other structure
14-20.40.03	木结构	timber structure
14-20.40.06	砌体结构	masonry structure
14-30.00.00	供热通风与空调	heating, ventilation, and air conditioning(HVAC)
14-30.10.00	冷热源设备	cooling equipment and heating equipment
14-30.10.03	制冷机组	cooling equipment
14-30.10.03.03	风冷热泵式冷水机组	air-cooled heat pump chiller
14-30.10.03.06	活塞式制冷机组	reciprocating chiller
14-30.10.03.09	螺杆式制冷机组	screw chiller
14-30.10.03.12	离心式制冷机组	centrifugal chiller
14-30.10.03.15	模块化制冷机组	modular chiller
14-30.10.03.18	吸收式制冷机组	absorption chillers
14-30.10.03.21	其他制冷机组	other cooling equipment
14-30.10.06	制热机组	heating equipment
14-30.10.06.03	锅炉	boiler
14-30.10.06.06	太阳能制热设备	solar heating equipment
14-30.10.09	混合制冷制热机组	heating-cooling mixd equipment
14-30.10.09.03	热泵机组	heat pump unit
14-30.20.00	液体输送设备	liquid delivery unit
14-30.20.03	水管	pipe
14-30.20.03.03	冷水管	cold water pipe
14-30.20.03.06	热水管	hot water pipe
14-30.20.03.09	冷媒管道	refrigerant pipe
14-30.20.03.12	冷凝水管	condensate pipe
14-30.20.06	分歧管	air conditioner branch pipe
14-30.20.09	套管	casing

14-30.20.15	水泵	water pump
14-30.20.15.03	冷冻水泵	chilled water pump
14-30.20.15.06	冷却水泵	cooling water pump
14-30.30.00	空气处理设备	air conditioning equipment
14-30.30.03	空调机组	air handling unit
14-30.30.03.03	室外空调机组	outdoor air handling unit
14-30.30.03.06	新风空调机组	fresh air handling unit
14-30.30.03.09	循环空调机组	recycled air handling unit
14-30.30.03.12	组合式空调机组	modular air handling unit
14-30.30.06	风机盘管	fan-coil units
14-30.30.06.03	卧式风机盘管	horizontal fan-coil unit
14-30.30.06.06	立式风机盘管	vertical fan-coil unit
14-30.30.06.09	卡式风机盘管	cassette fan-coil unit
14-30.30.06.12	壁挂式风机盘管	wall-mounted fan-coil unit
14-30.30.09	其他组件	other unit
14-30.40.00	空气输送设备	air transportation equipment
14-30.40.03	风管	duct
14-30.40.03.03	矩形风管	rectangular duct
14-30.40.03.06	圆形风管	circular duct
14-30.40.03.09	软风管	flexible duct
14-30.40.06	风管道件	fittings
14-30.40.06.03	风管弯管	duct elbow
14-30.40.06.06	风管连接件	duct coupling
14-30.40.06.09	风管三通	duct tee
14-30.40.06.12	风管四通	duct cross
14-30.40.06.15	风管堵头	duct plug
14-30.40.09	风管附件	duct attachments
14-30.40.09.03	风阀	duct damper

14-30.40.09.06	导流叶片	guide vane
14-30.40.09.09	风管检查门	duct access door
14-30.40.09.12	风管仪表	duct meter
14-30.40.09.15	消声器	acoustic damper
14-30.40.12	风口	air opening
14-30.40.12.03	送风口	supply air outlet
14-30.40.12.06	回风口	return air inlet
14-30.40.12.09	排风口	exhaust air outlet
14-30.40.15	保温层	insulating layer
14-30.50.00	其他设备	other equipment
14-30.50.03	支吊架	trestle
14-30.50.03.05	固定支架	fixed trestle
14-30.50.03.10	活动支架	movable trestle
14-30.50.03.15	导向支架	guide bracket
14-30.50.06	水箱	tank
14-30.50.09	过滤器	filter
14-30.50.12	分水器	water segregator
14-30.50.15	集水器	drainage water collector
14-30.50.18	冷却塔	cooling tower
14-30.50.21	蓄热装置	heat storage unit
14-40.00.00	给排水	water supply and drainage
14-40.10.00	供水系统	water supply system
14-40.10.03	供水管道	water supply pipe
14-40.10.12	供水设备	water supply equipment
14-40.10.12.03	供水水箱	water supply tank
14-40.10.12.06	供水水泵	water supply pump
14-40.10.12.09	供水过滤器	water supply strainer
14-40.10.15	卫浴装置	sanitary equipment

14-40.20.00	排水系统	water drainage system
14-40.20.03	排水管道	drainage pipe
14-40.20.12	排水装置	drainage equipment
14-40.20.12.03	地漏	floor drain
14-40.20.12.06	雨水沟	rain rill
14-40.20.12.09	雨水斗	roof drain
14-40.30.00	水消防系统	water-based fire-suppression system
14-40.30.03	消防栓系统	fire hydrant system
14-40.30.06	自动喷水灭火系统	automatic sprinkler system
14-40.30.09	大空间智能型主动 喷水灭火系统	large-space intelligent active control sprinkler system
14-40.30.12	水喷雾灭火系统	water spray extinguishing system
14-40.30.15	细水雾灭火系统	water mist fire extinguishing system
14-40.30.18	固定消防炮灭火系 统	fixed fire monitor extinguishing system
14-40.30.21	消防管件	fire fighting pipe fitting
14-40.30.24	消防管道附件	fire fighting pipe appurtenance
14-40.30.27	消防设备	fire fighting equipment
14-40.30.27.03	消防水泵	fire pump
14-40.30.27.06	消防栓系统加压泵	hydrant system pressure pump
14-40.30.27.09	自动喷水灭火系统 加压泵	automatic sprinkler system pressure pump
14-40.30.27.12	消防水箱	fire water tank
14-40.30.27.15	消防水池	fire basin
14-40.30.27.18	消防稳压泵	fire stablized pump
14-40.30.27.21	消火栓	fire hydrant
14-40.30.27.24	消防稳压罐	fire stablized tank
14-40.30.27.27	消防水泵结合器	fire pump connector

14-40.30.27.30	消防喷头	fire sprinkler
14-40.40.00	工业管道系统	industrial pipe system
14-40.40.03	压缩空气系统	compressed air system
14-40.40.06	真空系统	vacuum system
14-40.40.09	天然气系统	natural gas system
14-40.40.12	化学废物处理系统	chemical waste treatment system
14-40.40.15	生产水系统	water production system
14-40.40.18	工艺用管道系统辅助部件	aaccessories of process pipe system
14-40.50.00	水管管件	pipe fitting
14-40.50.03	弯头	elbow
14-40.50.06	三通	tee
14-40.50.09	四通	cross
14-40.50.12	过渡件	reducing
14-40.50.15	接头	coupling
14-40.50.18	法兰	flange
14-40.60.00	水管附件	pipe appurtenance
14-40.60.03	阀门	valve
14-40.60.06	仪表	meter
14-40.60.09	过滤器	filter
14-40.60.12	存水弯	trap
14-40.60.15	清扫口	cleaning hole
14-40.60.18	通气帽	vent cap
14-40.60.21	管道保温层	insulating layer of pipe
14-40.60.27	套管	casing
14-40.60.27.05	刚性防水套管	rigid waterproofing casing
14-40.60.27.10	柔性防水套管	flexible waterproofing casing
14-50.00.00	电气	electrical

14-50.10.00	发电设备	facility power generation
14-50.10.03	发电机	generator
14-50.10.06	电池设备	battery equipment
14-50.10.09	发电辅助部件设备	facility power generation supplementary components
14-50.10.12	照明	lighting
14-50.10.12.03	灯具	lighting fixture
14-50.10.12.06	照明辅助部件	lighting supplementary components
14-50.10.15	动力	dynamic electricity
14-50.10.15.03	电动机	electromotor
14-50.10.15.06	内燃机	internal combustion engine
14-50.10.15.09	空气压缩机	air compressor
14-50.10.15.12	蒸汽机	steam engine
14-50.10.18	配电组件	power distribution components
14-50.10.18.03	配电箱	distribution box
14-50.10.18.06	插座	socket
14-50.20.00	建筑智能化	building intelligent
14-50.20.03	建筑设备监控系统	building automation
14-50.20.03.03	输送系统的综合自控设备	integrated automation control of conveying equipment
14-50.20.03.06	灭火系统的综合自控设备	integrated automation control of fire-suppression systems
14-50.20.03.09	管道系统的综合自控设备	integrated automation control of plumbing systems
14-50.20.03.12	暖通空调系统的综合自控设备	integrated automation control of hvac systems
14-50.20.03.15	电气系统的综合自控设备	integrated automation control of electrical systems

14-50.20.03.18	通信系统的综合自控设备	integrated automation control of communication systems
14-50.20.03.21	电子安全系统及综合自控设备	integrated automation control of electronic safety and security systems
14-50.20.03.24	综合自动化辅助部件	integrated automation supplementary components
14-50.20.06	安防	security
14-50.20.06.03	门禁	access control
14-50.20.06.06	道闸	barrier gate
14-50.20.06.09	报警设备	alarm equipment
14-50.20.06.12	监控设备	monitoring equipment
14-50.20.09	通信	communications
14-50.20.09.03	数据通信	data communications
14-50.20.09.06	语音通信	voice communications
14-50.20.09.09	音频视频通信	audio-video communications
14-50.20.09.12	分布式通信和监测	distributed communications and monitoring
14-50.20.09.15	通信辅助部件	communications supplementary components
14-50.20.12	广播	radio
14-50.30.00	专用电气	special electric
14-50.30.03	防雷	lightning protection
14-50.30.06	阴极保护	cathodic protection
14-50.30.09	瞬态电压抑制	transient voltage suppression
14-50.30.12	其他电气系统辅助部件	miscellaneous electrical systems supplementary components
14-50.40.00	线缆	cable
14-50.40.03	电线	electric wire
14-50.40.06	数据线	data wire
14-50.50.00	线缆敷设配件	wiring fittings

14-50.50.03	桥架	cable tray
14-50.50.06	线缆支吊架	cable support

附录 F 工作成果

表 15 工作成果

编码	类目中文	类目英文
15-01.00.00	总体要求	general requirement
15-01.10.00	管理要求	administrative requirement
15-01.10.10	项目管理与协调	project management and coordination
15-01.10.20	施工进度文档	construction progress documentation
15-01.10.30	特殊程序	special procedure
15-01.15.00	质量要求	quality requirement
15-01.15.10	施工现场质量管理体系	The construction site quality management system
15-01.15.20	施工标准	construction standard
15-01.15.30	施工质量检验	construction quality inspection
15-01.15.30.05	施工质量检验制度	construction quality inspection regulations
15-01.15.30.10	施工现场检验	construction site inspection
15-01.15.30.15	施工现场复验	construction site reinspection
15-01.15.30.20	施工工序验收与记录	construction process acceptance & records
15-01.15.30.25	安全、节能、环境保护专项验收	safety, energy saving & environmental protection acceptance
15-01.15.40	施工质量水平评定考核制度	construction quality level evaluation regulations
15-01.20.00	临时措施	temporary facilities and control
15-01.20.05	环境保护	environmental protection
15-01.20.05.10	降噪措施	noise control
15-01.20.05.20	防尘措施	dust control
15-01.20.05.30	污染源控制	pollution control
15-01.20.10	文明施工	civilized construction
15-01.20.10.03	现场围挡及美化	site enclosure and landscaping

15-01.20.10.06	现场临时设施装修、美化	temporary facilities and decoration and beautification
15-01.20.10.09	现场生活卫生设施	sanitary facilitie
15-01.20.10.12	临时燃油	temporary fuel oil
15-01.20.10.15	临时天然气	temporary natural-gas
15-01.20.10.18	临时通信	temporary telecommunication
15-01.20.10.21	急救设施	first aid facility
15-01.20.10.24	临时供暖，空调和通风	temporary heating, cooling, and ventilating
15-01.20.10.27	临时照明	temporary lighting
15-01.20.15	安全施工	safety construction
15-01.20.15.05	安全资料	security document
15-01.20.15.10	安全标识	security identity
15-01.20.15.15	安全宣传	safety awareness
15-01.20.15.20	安全用品	safety product
15-01.20.15.25	临时安全防护罩	temporary security enclosure
15-01.20.15.30	临时安全屏障	temporary security barrier
15-01.20.15.35	安全用电设施	safe use of electricity facility
15-01.20.15.40	施工机具、设备、临时电梯安全防护设施	construction machinery , equipment and temporary elevator safety protection facility
15-01.20.15.45	机械检测	mechanical testing
15-01.20.15.50	临时保护通道	temporary protective walkway
15-01.20.15.55	临时消防	temporary fire protection
15-01.20.20	临时设施	temporary facility
15-01.20.20.10	临时围挡	site containment
15-01.20.20.20	临时建筑	temporary construction
15-01.20.20.30	临时道路和停车场	temporary vehicular access and parking
15-01.20.20.40	临时用电	temporary electricity
15-01.20.20.50	临时用水	temporary water

15-01.20.25	冬季雨季施工	rainy winter construction measure
15-01.20.30	大型机械进出场及安拆	entry and exit of large machinery and demolition
15-01.20.35	施工排水降水	construction of drainage precipitation
15-01.20.40	材料二次搬运	secondary materials handling
15-01.20.45	已完工程及设备保护	protecting installed construction
15-01.20.50	脚手架工程	scaffolding engineering
15-01.20.55	混凝土模板及配件	concrete forming and accessory
15-01.20.60	垂直运输	vertical transportation
15-01.20.60.10	临时电梯	temporary elevator
15-01.20.60.20	临时升降机	temporary hoist
15-01.30.00	建筑产品要求	construction product requirements
15-01.30.10	基本产品要求	basic product requirement
15-01.30.20	产品选择	product option
15-01.30.30	产品代替程序	product substitution procedure
15-01.30.40	甲供产品	owner furnished product
15-01.30.50	产品运输要求	product delivery requirement
15-01.30.60	储存和管理	storage and handling requirement
15-01.40.00	施工与验收要求	execution and closeout requirements
15-01.40.05	检查及准备	examination and preparation
15-01.40.05.10	动员	mobilization
15-01.40.05.20	验收条件	acceptance of condition
15-01.40.10	执行	execution
15-01.40.10.10	报建	application
15-01.40.10.20	建造	erection
15-01.40.10.30	安装	installation
15-01.40.10.40	支护和锚定	bracing and anchoring
15-01.40.10.50	现有产品	existing product
15-01.40.10.60	切割和修补	cutting and patching

15-01.40.15	清理和废物管理	cleaning and waste management
15-01.40.15.10	过程清理	progress cleaning
15-01.40.15.20	现场维护	site maintenance
15-01.40.15.30	建筑废物的管理和处置	construction waste management and disposal
15-01.40.15.40	竣工清理	final cleaning
15-01.40.20	启动和调节	starting and adjusting
15-01.40.20.10	检查程序	checkout procedure
15-01.40.20.20	开工程序	startup procedure
15-01.40.25	保护已有建筑	protecting installed construction
15-01.40.30	竣工验收程序	closeout procedure
15-01.40.30.10	预验收	preliminary closeout review
15-01.40.30.20	竣工验收	final closeout review
15-01.40.30.30	验收要求	closeout requirement
15-01.40.35	竣工验收资料	closeout submittal
15-01.40.35.10	变更洽商文件	completion and correction list
15-01.40.35.20	保修合同	maintenance contract
15-01.40.35.30	运行和维护数据	operation and maintenance data
15-01.40.35.30.10	运行数据	operation data
15-01.40.35.30.20	维护数据	maintenance data
15-01.40.35.30.30	预防性维护说明	preventative maintenance instruction
15-01.40.35.40	项目现场收尾验收	final site survey
15-01.40.35.50	项目记录文件	project record document
15-01.50.00	设施运维	facility operation
15-01.50.10	设施运营程序	facility operation procedure
15-01.50.20	设施维护	facility maintenance
15-01.60.00	设施拆除	facility decommissioning
15-01.60.10	设施拆除程序	facility decommissioning procedure
15-02.00.00	现有条件	existing condition

15-02.05.00	评估	assessment
15-02.05.10	勘察	survey
15-02.05.10.10	现场勘察	site survey
15-02.05.10.20	测量图纸	measured drawing
15-02.05.20	环境评估	environmental assessment
15-02.05.20.10	自然环境评估	natural environment assessment
15-02.05.20.10.10	空气评估	air assessment
15-02.05.20.10.20	水资源评估	water assessment
15-02.05.20.10.30	土地评估	land assessment
15-02.05.20.20	土壤的化学取样和分析	chemical sampling and analysis of soil
15-02.05.30	有害物质评估	hazardous material assessment
15-02.10.00	地下勘测	subsurface investigation
15-02.15.00	拆除和结构搬迁	demolition and structure moving
15-02.20.00	场地整治	site remediation
15-02.20.05	物理净化	physical decontamination
15-02.20.10	化学净化	chemical decontamination
15-02.20.15	热净化	thermal decontamination
15-02.20.20	生物净化	biological decontamination
15-02.20.25	土壤治理	remediation soil stabilization
15-02.20.30	现场围堵	site containment
15-02.20.35	天坑整治	sinkhole remediation
15-02.20.40	拆除和处置被污染的土壤	removal and disposal of contaminated soil
15-02.20.45	危险废物回收过程	hazardous waste recovery process
15-02.20.50	地下储罐移除	underground storage tank removal
15-02.20.55	填埋场建设和存储	landfill construction and storage
15-02.25.00	水治理	water remediation
15-02.25.10	地下水处理	groundwater treatment

15-02.25.20	水净化	water decontamination
15-02.30.00	设施治理	facility remediation
15-02.30.05	危险品运输和处置	transportation and disposal of hazardous material
15-02.30.10	石棉治理	asbestos remediation
15-02.30.15	铅治理	lead remediation
15-02.30.20	多氯联苯整治	polychlorinate biphenyl remediation
15-02.30.25	模具修复	mold remediation
15-02.30.30	危险废物桶处理	hazardous waste drum handling
15-03.00.00	混凝土工程	concrete
15-03.10.00	现浇混凝土	cast-in-place concrete
15-03.20.00	预制混凝土	precast concrete
15-03.30.00	钢筋	reinforcement bars
15-03.40.00	预埋件	embedded parts
15-03.40.10	螺栓	bolt
15-03.40.20	铁件	iron casting
15-03.50.00	灌浆	grouting
15-03.60.00	混凝土的切割和钻孔	concrete cutting and boring
15-03.60.10	混凝土切割	concrete cutting
15-03.60.20	混凝土钻空	concrete boring
15-04.00.00	砌体工程	masonry
15-04.10.00	砖砌体	brick masonry
15-04.20.00	砌块	unit masonry
15-04.30.00	石砌体	stone masonry
15-05.00.00	金属工程	metal
15-05.10.00	金属结构框架	structural metal framing
15-05.10.10	钢结构框架	structural steel framing
15-05.10.20	不锈钢结构框架	structural stainless-steel framing

15-05.10.30	铝结构框架	structural aluminum framing
15-05.10.40	钢缆吊索	wire rope assembly
15-05.20.00	金属托梁	metal joists
15-05.20.10	钢桁架结构	steel joist framing
15-05.20.20	铝合金龙骨桁架	aluminum joist framing
15-05.30.00	金属板	metal decking
15-05.30.10	钢板	steel decking
15-05.30.20	铝合金板	aluminum decking
15-05.40.00	金属制品	metal fabrications
15-05.40.10	金属楼梯	metal stair
15-05.40.20	金属栏杆	metal railing
15-05.40.30	金属隔栏	metal grating
15-05.40.40	金属波纹板	metal floor plate
15-05.40.50	金属楼梯踏板和突缘	metal stair treads and nosing
15-06.00.00	木结构工程	wood structure
15-06.10.00	木屋架	wood framing
15-06.20.00	木构件	wood component
15-06.20.10	木柱	wood pillar
15-06.20.20	木梁	wood beam
15-06.20.30	木檩	wood purlin
15-06.20.40	木楼梯	wooden stair
15-06.20.50	木基础	treated wood foundation
15-06.30.00	屋面木基层	wood-based roof
15-07.00.00	保温、防水、屋面工程	thermal and moisture protection、roofing
15-07.10.00	防潮和防水工程	dampproofing and waterproofing
15-07.10.10	卷材防水	sheet waterproofing
15-07.10.20	涂料防水	waterproofing coating
15-07.10.30	金属板防水	sheet metal waterproofing

15-07.10.40	水泥防潮	cementitious dampproofing
15-07.20.00	保温工程	thermal protection
15-07.20.10	隔热	thermal insulation
15-07.20.20	屋顶和板面保温	roof and deck insulation
15-07.20.30	外墙外保温系统	exterior insulation and finish system
15-07.30.00	屋面工程	roof
15-07.30.10	瓦屋面	roof tile
15-07.30.20	种植屋面	natural roof covering
15-07.30.30	金属屋面	metal roof
15-07.40.00	变形缝	shakes
15-08.00.00	门窗工程	opening
15-08.05.00	金属门	metal door
15-08.05.10	铝合金门	aluminum door
15-08.05.20	不锈钢门	stainless-steel door
15-08.10.00	木门	wood door
15-08.10.05	雕花木门	carved wood door
15-08.10.10	复合木门	clad wood door
15-08.10.10.10	金属面木门	metal-faced wood door
15-08.10.10.20	塑料层压板面的木门	plastic-laminate-faced wood door
15-08.10.15	仿实木门	prefinished wood door
15-08.10.20	纱门	wood screen door
15-08.10.25	推拉木门	sliding wood door
15-08.10.30	双开木门	bifolding wood door
15-08.15.00	塑料门	plastic door
15-08.15.10	薄板塑料门	laminated plastic door
15-08.15.20	实心塑料门	solid plastic door
15-08.15.30	塑料屏风	plastic screen door
15-08.15.40	塑料防爆门	plastic storm door

15-08.15.50	滑动塑料门	sliding plastic door
15-08.15.60	双层塑料门	bifolding plastic door
15-08.20.00	复合门	composite door
15-08.20.10	玻璃门	fiberglass door
15-08.20.20	推拉门	sliding composite door
15-08.20.30	双开复合门	bifolding composite door
15-08.25.00	特种门	specialty doors and frame
15-08.25.10	卷帘门和格栅	coiling doors and grille
15-08.25.15	冷库门	cold storage door
15-08.25.20	飞机库门	hangar door
15-08.25.25	工业门	industrial door
15-08.25.30	遮光门	lightproof door
15-08.25.35	暗室门	darkroom door
15-08.25.40	干扰无线电频的屏蔽门	radio-frequency-interference shielding door
15-08.25.45	防辐射门	radiation shielding doors and frame
15-08.25.50	安全门和门框	security doors and frame
15-08.25.55	安全大门	security gate
15-08.25.60	档案室的门和门框	file room doors and frame
15-08.25.65	地下室门和天门	vault doors and day gate
15-08.25.70	拘留所的门和门框	detention doors and frame
15-08.25.75	承压门	pressure-resistant door
15-08.25.75.10	气密门	airtight door
15-08.25.75.20	水密门	watertight door
15-08.25.75.30	抗暴门	blast-resistant door
15-08.30.00	橱窗及幕墙	storefronts, and curtain wall
15-08.30.10	橱窗	storefront
15-08.30.10.05	木框橱窗	timber-framed storefront
15-08.30.10.10	铝框橱窗	aluminum-framed storefront

15-08.30.10.15	青铜框架橱窗	bronze-framed storefront
15-08.30.10.20	不锈钢钢架橱窗	stainless-steel-framed storefront
15-08.30.10.25	钢架橱窗	steel-framed storefront
15-08.30.10.30	全玻璃橱窗	all-glass storefront
15-08.30.10.35	槽型玻璃橱窗	channel glass storefront
15-08.30.10.40	推拉橱窗	sliding storefront
15-08.30.20	幕墙	curtain wall
15-08.35.00	金属窗	metal window
15-08.35.10	铝合金窗	aluminum window
15-08.35.20	不锈钢塑钢窗	stainless-steel window
15-08.35.30	塑钢窗	steel window
15-08.35.40	金属纱窗	metal window screen
15-08.40.00	木窗	wood window
15-08.40.10	金属复合木窗	metal-clad wood window
15-08.40.20	塑料复合木窗	plastic-clad wood window
15-08.40.30	木纱窗	wood window screen
15-08.45.00	塑料窗	plastic window
15-08.45.10	塑料窗户	vinyl window
15-08.45.20	塑料纱窗	vinyl window screen
15-08.50.00	复合窗	composite window
15-08.50.10	玻璃纤维窗	fiberglass window
15-08.50.20	玻璃纱窗	fiberglass window screen
15-08.55.00	特殊窗	special function window
15-08.55.10	可通行的窗	pass window
15-08.55.15	无线电频率干扰屏蔽窗	radio-frequency-interference shielding window
15-08.55.20	辐射屏蔽窗	radiation shielding window
15-08.55.25	防盗窗	security window
15-08.55.30	防盗纱窗	security window screen

15-08.55.35	服务和出纳窗口	service and teller window unit
15-08.55.40	拘留室的窗	detention window
15-08.55.45	拘留室的纱窗	detention window screen
15-08.55.50	声音控制窗	sound control window
15-08.55.55	承压窗	pressure-resistant window
15-08.60.00	门窗配件	doors and windows accessorie
15-08.60.10	门窗套	sets of doors and window
15-08.60.20	窗台板	sill plate
15-08.60.30	窗帘盒	curtain box
15-08.60.40	窗帘轨	curtain rail
15-08.60.50	窗帘	curtain
15-09.00.00	装饰装修工程	finishes(decoration engineering)
15-09.05.00	抹灰	plaster
15-09.05.10	石膏抹灰	gypsum plastering
15-09.05.20	水泥抹灰	cement plastering
15-09.05.30	其他抹灰	other plastering
15-09.05.40	面层抹灰	veneer plastering
15-09.10.00	石膏板	gypsum board
15-09.15.00	瓷砖	tiling
15-09.15.05	陶瓷瓷砖	ceramic tiling
15-09.15.10	砂石瓷砖	quarry tiling
15-09.15.15	铺砌瓷砖	paver tiling
15-09.15.20	玻璃马赛克瓷砖	glass mosaic tiling
15-09.15.25	塑料瓷砖	plastic tiling
15-09.15.30	金属瓷砖	metal tiling
15-09.15.35	石头瓷砖	stone tiling
15-09.15.40	水泥瓷砖	concrete tiling
15-09.15.45	砖砌瓷砖	brick tiling

15-09.20.00	天棚	ceiling
15-09.20.05	金属吊顶	metal ceiling
15-09.20.10	木天花板	wood ceiling
15-09.20.15	装饰板吊顶	decorative panel ceiling
15-09.20.20	格栅吊顶	suspended decorative grid
15-09.20.25	织物吊顶	fabric ceiling system
15-09.20.30	玻璃钢吊顶	fiberglass reinforced panel ceiling
15-09.20.35	石膏板吊顶	gypsum-panel ceiling
15-09.25.00	楼地面	flooring
15-09.25.05	吸音垫层	acoustical underlayment
15-09.25.10	地面处理	flooring treatment
15-09.25.10.10	防滑地板处理	slip-resistant flooring treatment
15-09.25.10.20	防静电地板处理	static-resistant flooring treatment
15-09.25.15	特殊地面	specialty flooring
15-09.25.15.05	沥青板地面	asphaltic plank flooring
15-09.25.15.10	复合地面	lamine flooring
15-09.25.15.15	竹地板	bamboo flooring
15-09.25.15.20	皮革地面	leather flooring
15-09.25.15.25	软木地板	cork flooring
15-09.25.15.30	耐酸地面	acid-resistant flooring
15-09.25.15.35	吸音地面	acoustic flooring
15-09.25.15.40	人造草坪地面	synthetic turf flooring
15-09.25.15.45	金属地面	metal flooring
15-09.25.15.50	结构玻璃地面	structural glass flooring
15-09.25.20	砖石地面	masonry flooring
15-09.25.20.10	砖地面	brick flooring
15-09.25.20.20	石材地面	stone flooring
15-09.25.20.30	组合石材地面	composition stone flooring

15-09.25.25	木地板	wood flooring
15-09.25.25.05	木块地板	wood block flooring
15-09.25.25.10	木质组合地板	wood composition flooring
15-09.25.25.15	实木复合地板	wood parquet flooring
15-09.25.25.20	胶合板地板	laminated wood flooring
15-09.25.25.25	弹性木地板组件	resilient wood flooring assembly
15-09.25.25.30	运动木地板	wood athletic flooring
15-09.25.30	弹性地面	resilient flooring
15-09.25.30.05	弹性基层和配件	resilient base and accessory
15-09.25.30.10	弹性薄板地面	resilient sheet flooring
15-09.25.30.15	弹性瓷砖地面	resilient tile flooring
15-09.25.30.20	导电弹性地面	conductive resilient flooring
15-09.25.30.25	静态控制弹性地面	static-control resilient flooring
15-09.25.30.30	油毡地面	linoleum flooring
15-09.25.30.35	弹性运动地面	resilient athletic flooring
15-09.25.35	水磨石地面	terrazzo flooring
15-09.25.35.10	波特兰水泥水磨石地板	portland cement terrazzo flooring
15-09.25.35.20	水磨石地板砖	terrazzo floor tile
15-09.25.35.30	树脂基质水磨石地板	resinous matrix terrazzo flooring
15-09.25.35.40	导电水磨石地板	conductive terrazzo flooring
15-09.25.40	地毯	carpeting
15-09.25.40.10	瓷砖地毯	tile carpeting
15-09.25.40.20	薄片地毯	sheet carpeting
15-09.30.00	墙饰面	wall finishe
15-09.30.05	织物墙面	textile wall covering
15-09.30.10	墙纸	wallpapering
15-09.30.15	壁毯	wall carpeting
15-09.30.20	装饰木板	flexible wood sheets

15-09.30.25	石材面层	stone facing
15-09.30.30	塑料面层	plastic block
15-09.35.00	油漆、涂料	painting and coating
15-09.35.10	油漆	painting
15-09.35.10.10	外墙油漆	exterior painting
15-09.35.10.20	室内油漆	interior painting
15-09.35.20	涂料	coating
15-09.35.20.03	耐磨涂料	abrasion-resistant coating
15-09.35.20.07	防涂鸦涂料	graffiti-resistant coating
15-09.35.20.10	船舶涂料	marine coating
15-09.35.20.13	耐高温涂料	high-temperature-resistant coating
15-09.35.20.17	耐化学腐蚀的涂料	chemical-resistant coating
15-09.35.20.20	防火涂料	fire-retardant coating
15-09.35.20.23	膨胀油漆	intumescent painting
15-09.35.20.27	弹性涂料	elastomeric coating
15-09.35.20.30	环氧涂料	epoxy coating
15-09.35.20.33	厚涂层釉面涂料	high-build glazed coating
15-09.35.20.37	织纹塑料涂料	textured plastic coating
15-09.35.20.40	聚合墙涂料	aggregate wall coating
15-10.00.00	特殊制品	specialty
15-10.10.00	信息制品	information specialty
15-10.10.10	陈列显示制品	visual display unit
15-10.10.10.05	黑板	chalkboard
15-10.10.10.10	记事板	markerboard
15-10.10.10.15	布告板	tackboard
15-10.10.10.20	显示滑板	sliding visual display unit
15-10.10.10.25	显示墙	visual display wall panel
15-10.10.10.30	投影幕布	visual display fabric

15-10.10.20	展柜	display case
15-10.10.30	标牌	signage
15-10.10.30.05	饰板	plaques
15-10.10.30.10	立体字母标牌	dimensional letter signage
15-10.10.30.15	面板标牌	panel signage
15-10.10.30.20	邮政标牌、塔标牌	post and panel/pylon signage
15-10.10.30.25	发光标牌	illuminated panel signage
15-10.10.30.30	夜光标牌	photoluminescent signage
15-10.10.30.35	交通标志	traffic signage
15-10.10.30.40	电子信息标牌	electronic message signage
15-10.10.30.45	音响标牌	audible signage
15-10.10.30.50	浮动标牌	floating signage
15-10.10.40	电话特殊品	telephone specialty
15-10.10.40.10	电话亭	telephone enclosure
15-10.10.40.20	电话搁置架	telephone shelving
15-10.10.50	信息亭	informational kiosk
15-10.20.00	室内制品	interior specialty
15-10.20.10	隔间	compartments and cubicle
15-10.20.10.10	厕格	toilet compartment
15-10.20.10.20	浴室、更衣室隔断	shower and dressing compartment
15-10.20.10.30	隔间窗帘和轨道	cubicle curtains and track
15-10.20.20	隔墙	partition
15-10.20.20.05	钢丝网隔墙	wire mesh partition
15-10.20.20.10	金属板网隔墙	expanded metal partition
15-10.20.20.15	折叠门	folding gate
15-10.20.20.20	可拆卸隔墙	demountable partition
15-10.20.20.25	便携式隔墙、屏幕、标牌	portable partitions, screens, and panel
15-10.20.20.30	折隔屏	accordion folding partition

15-10.20.20.35	卷式隔墙	coiling partition
15-10.20.20.40	折叠面板隔墙	folding panel partition
15-10.20.20.45	滑动隔墙	sliding partition
15-10.20.30	服务墙	service wall
15-10.20.40	墙和门的保护	wall and door protection
15-10.20.40.10	护角	corner guard
15-10.20.40.20	保护装置	bumper guard
15-10.20.40.30	墙面保护	protective wall covering
15-10.20.40.40	门与门框的保护	door and frame protection
15-10.20.40.50	防弹板	bullet resistant panel
15-10.20.50	厕所、浴室、洗衣用品	toilet, bath, and laundry accessory
15-10.30.00	储藏设备	storage specialty
15-10.30.10	储物柜	locker
15-10.30.20	邮政特制品	postal specialty
15-10.30.20.05	中央邮件装运箱	central mail delivery box
15-10.30.20.10	邮件收集箱	mail collection box
15-10.30.20.15	接收箱	receiving box
15-10.30.20.20	邮箱	mail box
15-10.30.20.25	包裹储物柜	parcel locker
15-10.30.20.30	数字配电箱	data distribution box
15-10.30.20.35	包裹寄存处	package depository
15-10.30.20.40	邮槽	mail chute
15-10.30.30	储藏制品	storage assembly
15-10.30.30.05	金属储物架	metal storage shelving
15-10.30.30.10	组装的木制储物架	fabricated wood storage shelving
15-10.30.30.15	壁挂式标准和货架	wall-mounted standards and shelving
15-10.30.30.20	塑料储物架	plastic storage shelving
15-10.30.30.25	折叠式储物架	wire storage shelving

15-10.30.30.30	移动储物架	mobile storage shelving
15-10.30.30.35	货架	storage rack
15-10.30.30.40	商品存储组件	mercantile storage assembly
15-10.30.40	壁柜和衣橱	wardrobe and closet specialty
15-10.40.00	室外制品	exterior specialty
15-10.40.10	遮阳装置	exterior sun control device
15-10.40.20	车库	car shelter
15-10.40.30	雨棚	marquee
15-10.40.40	交通候车亭	transportation stop shelter
15-10.40.50	旗杆	flagpole
15-10.40.60	旗帜和横幅	flags and banner
15-11.00.00	设备	equipment
15-11.10.00	车辆和行人设备	vehicle and pedestrian equipment
15-11.10.05	汽车服务设备	vehicle service equipment
15-11.10.05.10	压缩空气汽车维护设备	compressed-air vehicle service equipment
15-11.10.05.20	车辆润滑设备	vehicle lubrication equipment
15-11.10.05.30	轮胎更换设备	tire-changing equipment
15-11.10.05.40	汽车清洗设备	vehicle-washing equipment
15-11.10.10	停车控制设备	parking control equipment
15-11.10.10.10	停车密钥和卡控制	parking key and card control unit
15-11.10.10.20	停车场出卡机	parking ticket dispenser
15-11.10.10.30	停车计时器	parking meter
15-11.10.10.40	停车收费设备	parking fee collection equipment
15-11.10.10.40.10	停车费投币收集设备	parking fee coin collection equipment
15-11.10.10.50	停车场闸机	parking gate
15-11.10.15	装卸月台设备	loading dock equipment
15-11.10.15.10	装卸码头保险杠	loading dock bumper
15-11.10.15.20	装卸码头密封件和遮蔽	loading dock seals and shelter

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15-11.10.15.20.10	装卸码头密封件	loading dock seals
15-11.10.15.20.20	装卸码头遮蔽物	loading dock shelters
15-11.10.15.20.30	装卸码头铁轨遮蔽物	loading dock rail shelters
15-11.10.15.30	装卸码头固定设备	stationary loading dock equipment
15-11.10.15.30.10	装卸码头装卸调整板	loading dock levelers
15-11.10.15.30.20	装卸码头固定升降机	stationary loading dock lifts
15-11.10.15.30.30	装卸码头卡车升降机	loading dock truck lifts
15-11.10.15.30.40	装卸码头卡车限制装置	loading dock truck restraints
15-11.10.15.40	便携式码头设备	portable dock equipment
15-11.10.15.40.10	便携式码头升降机	portable dock lifts
15-11.10.15.40.20	便携式码头坡道	portable dock ramps
15-11.10.15.40.30	便携式码头桥梁	portable dock bridges
15-11.10.15.40.40	便携式码头平台	portable dock platforms
15-11.10.15.50	码头灯	loading dock light
15-11.10.20	行人控制设备	pedestrian control equipment
15-11.10.20.10	行人通道门	pedestrian gate
15-11.10.20.10.10	便携式栏杆门	portable posts and railings
15-11.10.20.10.20	旋转门	rotary gates
15-11.10.20.10.30	十字转门	turnstiles
15-11.10.20.20	货币兑换设备	money-changing equipment
15-11.10.20.20.10	货币兑换机	money-changing machines
15-11.10.20.30	行人检票设备	pedestrian fare collection equipment
15-11.10.20.30.10	行人投币检票设备	pedestrian coin fare collection equipment
15-11.10.20.40	行人检测设备	pedestrian detection equipment
15-11.10.20.40.10	电子检测和计数系统	electronic detection and counting systems
15-11.10.20.50	行人安检设备	pedestrian security equipment
15-11.10.25	安全、拘留及银行设备	security, detention and banking equipment

15-11.10.30	保险设备	vault equipment
15-11.10.30.10	保管箱	safe deposit box
15-11.10.30.20	保险柜	safe
15-11.10.30.30	储藏室通风机	vault ventilator
15-11.10.35	取款及服务设备	teller and service equipment
15-11.10.35.10	取款设备系统	teller equipment system
15-11.10.35.20	自动柜员机系统	automatic banking system
15-11.10.35.30	点钞机	money handling equipment
15-11.10.35.40	行李转移装置	package transfer unit
15-11.10.40	安全设备	security equipment
15-11.10.40.10	抽屉保险箱	deal drawer
15-11.10.40.20	珍贵材料储藏	valuable material storage
15-11.10.45	拘留设备	detention equipment
15-11.10.45.10	拘留所直通门	detention pass-through door
15-11.10.45.20	拘留所储枪柜	detention gun locker
15-11.20.00	商业设备	commercial equipment
15-11.20.05	商品和服务设备	mercantile and service equipment
15-11.20.05.10	收银机和检测设备	cash registers and checking equipment
15-11.20.05.20	自动售货设备	vending equipment
15-11.20.05.30	行李寄存处设备	checkroom equipment
15-11.20.05.40	称重和包装设备	weighing and wrapping equipment
15-11.20.05.50	理发店和美容店设备	barber and beauty shop equipment
15-11.20.10	冷藏展示设备	refrigerated display equipment
15-11.20.15	商业洗衣及干洗设备	commercial laundry and dry cleaning equipment
15-11.20.15.05	干洗设备	dry cleaning equipment
15-11.20.15.10	干燥及空调设备	drying and conditioning equipment
15-11.20.15.15	精整设备	finishing equipment
15-11.20.15.20	商用熨烫设备	commercial ironing equipment

15-11.20.15.25	商业洗衣机和脱水机	commercial washers and extractor
15-11.20.15.30	投币式洗衣设备	coin-operated laundry equipment
15-11.20.15.35	服装悬挂运输机	hanging garment conveyor
15-11.20.20	维护设备	maintenance equipment
15-11.20.20.10	地板和墙壁清洗设备	floor and wall cleaning equipment
15-11.20.20.20	家政服务车	housekeeping cart
15-11.20.20.30	真空清洁系统	vacuum cleaning system
15-11.20.20.40	外墙维护设备	façade access equipment
15-11.20.20.40.10	窗洗涤设备	window washing systems
15-11.20.20.50	设施坠落防护	facility fall protection
15-11.20.25	酒店设备	hospitality equipment
15-11.20.25.10	登记设备	registration equipment
15-11.20.30	组合厨房设备单元	unit kitchen
15-11.20.30.10	金属组合厨房设备单元	metal unit kitchen
15-11.20.30.20	木制组合厨房设备单元	wood unit kitchen
15-11.20.30.30	塑料层压复合组合厨房设备单元	plastic-laminate-clad unit kitchen
15-11.20.35	摄影处理设备	photographic processing equipment
15-11.20.35.10	暗室处理设备	darkroom processing equipment
15-11.20.35.20	胶片传送柜	film transfer cabinet
15-11.20.40	办公设备	office equipment
15-11.20.40.10	电脑	computer
15-11.20.40.20	打印机	printer
15-11.20.40.30	独立传真机	self-contained facsimile machine
15-11.20.40.40	复印机	copier
15-11.20.45	邮政、包装、运输设备	postal, packaging, and shipping equipment
15-11.20.45.10	包装设备	packaging equipment
15-11.20.45.20	运输设备	shipping equipment

15-11.20.45.30	邮政设备	postal equipment
15-11.30.00	住宅设备	residential equipment
15-11.30.05	住宅电器	residential appliance
15-11.30.05.10	住宅厨房电器	residential kitchen appliance
15-11.30.05.20	住宅洗衣电器	residential laundry appliance
15-11.30.10	伸缩楼梯	retractable stair
15-11.30.15	住宅吊扇	residential ceiling fan
15-11.30.20	餐饮设备	foodservice equipment
15-11.30.25	餐饮储藏设备	foodservice storage equipment
15-11.30.25.10	冷藏食品储藏盒	refrigerated food storage case
15-11.30.25.20	冷藏展示柜	walk-in cooler
15-11.30.25.30	冷库	walk-in freezer
15-11.30.25.40	食品货架	foodservice shelving
15-11.30.30	食品预处理设备	food preparation equipment
15-11.30.30.10	食品加工设备和器具	food preparation appliance
15-11.30.30.20	食品加工台面	food preparation surface
15-11.30.35	食品外卖车及配送机	food delivery carts and conveyor
15-11.30.35.10	食品外卖车	food delivery cart
15-11.30.35.20	食品配送机	food delivery conveyor
15-11.30.40	食品烹饪设备	food cooking equipment
15-11.30.40.10	商用炉灶	commercial range
15-11.30.40.20	商用烤箱	commercial oven
15-11.30.45	食品分装设备	food dispensing equipment
15-11.30.45.10	酒吧设备	bar equipment
15-11.30.45.20	服务线设备	service line equipment
15-11.30.45.30	冷饮设备	soda fountain equipment
15-11.30.50	制冰机	ice machine
15-11.30.55	清洁和处理设备	cleaning and disposal equipment

15-11.30.55.10	商用洗碗机	commercial dishwasher
15-11.40.00	教育和科学设备	educational and scientific equipment
15-11.40.05	图书馆设备	library equipment
15-11.40.05.10	自动化图书存储检索系统	automated book storage and retrieval system
15-11.40.05.20	图书存储库	book depository
15-11.40.05.30	图书防盗保护设备	book theft protection equipment
15-11.40.05.40	书库密集架系统	library stack system
15-11.40.05.40.10	图书馆金属书架	metal library shelving
15-11.40.10	视听设备	audio-visual equipment
15-11.40.10.10	投影屏	projection screen
15-11.40.10.10.10	固定投影屏	fixed projection screens
15-11.40.10.10.20	便携式投影屏	portable projection screens
15-11.40.10.10.30	后方投射屏幕	rear projection screens
15-11.40.10.20	投影机	projector
15-11.40.10.20.10	电影放映机	movie projectors
15-11.40.10.20.20	幻灯机	slide projectors
15-11.40.10.20.30	投影机	overhead projectors
15-11.40.10.20.40	反射式幻灯机	opaque projectors
15-11.40.10.20.50	投影电视机	video projectors
15-11.40.10.30	播放机和录像机	players and recorder
15-11.40.10.40	视听支持设备	audio-visual equipment support
15-11.40.15	实验室设备	laboratory equipment
15-11.40.15.05	实验室通风橱	laboratory fume hood
15-11.40.15.05.10	实验室循环通风橱	recirculating laboratory fume hoods
15-11.40.15.10	实验室孵化器	laboratory incubator
15-11.40.15.15	实验室设备洗净器	laboratory equipment washer
15-11.40.15.20	实验室消毒器	laboratory sterilizer

15-11.40.15.25	实验室冰箱	laboratory refrigerator
15-11.40.15.30	实验室冷冻箱	laboratory freezer
15-11.40.15.35	实验室环控柜	laboratory controlled-environment cabinet
15-11.40.15.40	紧急安全设备	emergency safety appliance
15-11.40.15.45	服务配件和附件	service fittings and accessory
15-11.40.15.50	生物安全柜	biological safety cabinet
15-11.40.20	天文馆设备	planetarium equipment
15-11.40.20.10	天文馆投影仪	planetarium projector
15-11.40.20.20	天文馆钟摆	planetarium pendulum
15-11.40.25	天文台设备	observatory equipment
15-11.40.25.10	望远镜	telescope
15-11.40.25.20	望远镜架	telescope mount
15-11.40.25.30	望远镜驱动机制	telescope drive mechanism
15-11.40.25.40	望远镜圆顶	telescope dome
15-11.40.30	车间设备	vocational shop equipment
15-11.40.35	展览设备	exhibit equipment
15-11.50.00	娱乐设备	entertainment equipment
15-11.50.05	剧院和舞台设备	theater and stage equipment
15-11.50.05.10	声罩	acoustical shell
15-11.50.05.20	折叠和便携式舞台	folding and portable stage
15-11.50.05.30	操作和控制系统	rigging systems and control
15-11.50.05.40	舞台幕布	stage curtain
15-11.50.10	音乐设备	musical equipment
15-11.50.10.10	铃	bell
15-11.50.10.20	钟琴	carillon
15-11.50.10.30	风琴	organ
15-11.50.15	体育和娱乐设备	athletic and recreational equipment
15-11.50.20	体育设备	athletic equipment

15-11.50.20.10	健身设备	exercise equipment
15-11.50.20.20	健身器材	gymnasium equipment
15-11.50.20.20.05	篮球器材	basketball equipment
15-11.50.20.20.10	排球器材	volleyball equipment
15-11.50.20.20.15	室内网球设备	interior tennis equipment
15-11.50.20.20.20	室内田径设备	interior track and field equipment
15-11.50.20.20.25	填充墙	wall padding
15-11.50.20.20.30	垫子储藏设备	mat storage
15-11.50.20.30	室内记分牌	interior scoreboard
15-11.50.20.40	体育馆隔板	gymnasium divider
15-11.50.20.40.10	球/高尔夫球练习笼	batting/golf cages 击
15-11.50.25	休闲设备	recreational equipment
15-11.50.25.10	保龄球设备	bowling alley equipment
15-11.50.25.20	射击场设备	shooting range equipment
15-11.50.25.30	攀岩墙	climbing wall
15-11.50.25.40	桌游设备	table games equipment
15-11.50.25.40.10	台球桌	pool tables
15-11.50.25.40.20	乒乓球桌	ping-pong tables
15-11.50.25.50	游戏房设备	game room equipment
15-11.50.25.50.10	电动游戏	video games
15-11.50.25.50.20	弹球机	pinball machines
15-11.50.30	游乐场设备和结构	play field equipment and structure
15-11.50.30.10	游乐场设备	playground equipment
15-11.50.30.20	游乐场结构	play structure
15-11.50.30.30	室外运动场设备	exterior court athletic equipment
15-11.50.30.30.10	室外篮球器材	exterior basketball equipment
15-11.50.30.30.20	室外排球器材	exterior volleyball equipment
15-11.50.30.30.30	网球器材	tennis equipment

15-11.50.30.40	运动场设备	athletic field equipment
15-11.50.30.40.10	足球场地设备	football field equipment
15-11.50.30.40.20	足球和曲棍球设备	soccer and field hockey equipment
15-11.50.30.40.30	棒球场地设备	baseball field equipment
15-11.50.30.40.40	田径设备	track and field equipment
15-11.50.30.50	室外记分牌	exterior scoreboard
15-11.60.00	医疗设备	healthcare equipment
15-11.60.05	医疗灭菌设备	medical sterilizing equipment
15-11.60.10	检查和治疗设备	examination and treatment equipment
15-11.60.10.10	检查设备	examination equipment
15-11.60.10.20	治疗设备	treatment equipment
15-11.60.15	病人护理设备	patient care equipment
15-11.60.20	牙科设备	dental equipment
15-11.60.25	光学设备	optical equipment
15-11.60.30	手术室设备	operating room equipment
15-11.60.35	放射设备	radiology equipment
15-11.60.40	太平间设备	mortuary equipment
15-11.60.40.10	太平间冷冻箱	mortuary refrigerator
15-11.60.40.20	火葬场设备	crematorium equipment
15-11.60.40.30	太平间升降机	mortuary lift
15-11.60.45	收集和处理设备	collection and disposal equipment
15-11.60.50	固体废物处理设备	solid waste handling equipment
15-11.60.50.05	固体废物垃圾箱	solid waste bin
15-11.60.50.10	打包焚化炉	packaged incinerator
15-11.60.50.15	回收设备	recycling equipment
15-11.60.50.20	设施废物压制机	facility waste compactor
15-11.60.50.25	堆肥设备	composting equipment
15-11.60.50.30	设施废物粉碎机	facility waste shredder

15-11.60.50.35	设备废料打包机	facility waste baler
15-11.70.00	其他设备	other equipment
15-11.70.10	宗教设备	religious equipment
15-11.70.10.10	洗礼堂	baptistery
15-11.70.20	农业设备	agricultural equipment
15-11.70.20.10	挤乳机	milker
15-11.70.20.20	联合进料器	stock feeder
15-11.70.20.30	联合给水器	stock waterer
15-11.70.20.40	农业废弃物清理设备	agricultural waste clean-up equipment
15-11.70.30	园艺设备	horticultural equipment
15-11.70.30.05	水培种植系统	hydroponic growing system
15-11.70.30.10	播种机	seeder
15-11.70.30.15	插秧机	transplanter
15-11.70.30.20	灌封机	potting machine
15-11.70.30.25	平面填料机	flat filler
15-11.70.30.30	装袋机	bagger
15-11.70.30.35	土搅拌机	soil mixer
15-11.70.40	工艺美术设备	arts and crafts equipment
15-11.70.40.10	窑炉	kiln
15-12.00.00	家具陈设	furnishing
15-12.10.00	艺术品	art
15-12.10.10	壁画	mural
15-12.10.20	雕塑	sculpture
15-12.10.30	宗教艺术品	religious art
15-12.20.00	陈设及配件	furnishing and accessorie
15-12.20.05	办公用品	office accessory
15-12.20.10	餐桌用品	table accessory
15-12.20.15	灯具	lamp

15-12.20.20	卫浴用具	bath furnishing
15-12.20.25	卧室用具	bedroom furnishing
15-12.20.30	家具配件	furnishing accessory
15-12.20.35	地毯地垫	rugs and mat
15-12.30.00	家具	furniture
15-12.30.05	办公家具	office furniture
15-12.30.05.10	文件柜	filing cabinet
15-12.30.05.20	办公桌	office table
15-12.30.10	座位	seating
15-12.30.10.10	椅子	chair
15-12.30.10.20	软垫座椅	upholstered seating
15-12.30.10.30	办公座椅	office seating
15-12.30.10.40	医疗座椅	healthcare seating
15-12.30.10.50	定制座椅	custom seating
15-12.30.15	酒店家具	hospitality furniture
15-12.30.20	拘留用家具	detention furniture
15-12.30.20.05	拘留用铺位	detention bunk
15-12.30.20.10	拘留用桌子	detention desk
15-12.30.20.15	拘留用凳子	detention stool
15-12.30.20.20	拘留所桌子	detention table
15-12.30.20.25	拘留所安全挂衣钩	detention safety clothes hook
15-12.30.20.30	拘留所定制家具	custom detention furniture
15-12.30.20.35	拘留控制室家具	detention control room furniture
15-12.30.25	公用家具	institutional furniture
15-12.30.25.05	宗教用家具	religious furniture
15-12.30.25.10	教室家具	classroom furniture
15-12.30.25.15	讲台	lectern
15-12.30.25.20	宿舍家具	dormitory furniture

15-12.30.25.25	图书馆家具	library furniture
15-12.30.25.30	视听家具	audio-visual furniture
15-12.30.25.35	实验室家具	laboratory furniture
15-12.30.25.40	医疗保健家具	healthcare furniture
15-12.30.25.45	定制公用家具	custom institutional furniture
15-12.30.25.50	公共控制室家具	institutional control room furniture
15-12.30.30	工业家具	industrial furniture
15-12.30.30.10	焊接长凳	welding bench
15-12.30.30.20	焊接屏风	welding screen
15-12.30.30.30	激光密封屏风	laser containment screen
15-12.30.30.40	定制工业家具	custom industrial furniture
15-12.30.30.50	工业控制室家具	industrial control room furniture
15-12.30.35	住宅家具	residential furniture
15-12.30.35.05	沙发和皮沙发	couches and loveseat
15-12.30.35.10	住宅用椅子	residential chair
15-12.30.35.15	餐桌和餐椅	dining tables and chair
15-12.30.35.20	咖啡桌	coffee table
15-12.30.35.25	家庭娱乐中心设备	entertainment center
15-12.30.35.30	床	bed
15-12.30.35.35	梳妆台	dresser
15-12.30.35.40	床头柜	nightstand
15-12.30.35.45	定制住宅家具	custom residential furniture
15-12.40.00	其他陈设	other furnishing
15-12.40.10	室内盆栽和人工植物	interior planters and artificial plant
15-12.40.20	场地陈设	site furnishing
15-12.40.20.10	自行车停放架	bicycle rack
15-12.40.20.20	自行车存放柜	bicycle locker
15-12.40.20.30	垃圾箱	trash and litter receptor

15-12.40.20.40	人造美化花盆	manufactured planter
15-12.40.20.50	场地座椅和桌子	site seating and table
15-13.00.00	特殊建筑	special construction
15-13.05.00	游泳池	swimming pool
15-13.05.05	地下游泳池	below-grade swimming pools
15-13.05.10	地上游泳池	on-grade swimming pools
15-13.05.15	高架游泳池	elevated swimming pools
15-13.05.20	水槽循环系统游泳池	recirculating gutter systems
15-13.05.25	游泳池配件	swimming pool accessories
15-13.05.30	游泳池清洁设备	swimming pool cleaning equipment
15-13.05.35	活动游泳池护岸	movable pool bulkheads
15-13.05.40	活动游泳池地板	movable pool floors
15-13.10.00	喷泉	fountain
15-13.10.10	室外喷泉	exterior fountains
15-13.10.20	室内喷泉	interior fountains
15-13.15.00	浴缸和水池	tubs and pool
15-13.15.10	按摩缸	hot tub
15-13.15.20	治疗池	therapeutic pool
15-13.15.30	按摩浴缸	whirlpool tub
15-13.20.00	滑冰场	ice rink
15-13.20.10	滑冰场地板系统	ice rink floor system
15-13.20.20	滑冰场护栏	ice rink dasher board
15-13.25.00	狗舍和动物收容所	kennels and animal shelter
15-13.25.10	狗舍围墙和大门	kennel enclosures and gate
15-13.25.20	狗舍喂食设备	kennel feeding device
15-13.30.00	塔	tower
15-13.30.10	金属塔	metal tower
15-13.30.20	木塔	wood tower

15-13.35.00	烟囱	chimney
15-13.40.00	烟道	flue
15-13.45.00	井	well
15-13.50.00	沟槽	groove
15-13.55.00	贮仓	silo
15-14.00.00	输送设备	conveying equipment
15-14.10.00	小型货运升降机	dumbwaiter
15-14.20.00	电梯	elevator
15-14.20.10	电力牵引电梯	electric traction elevator
15-14.20.10.10	电力牵引货运电梯	electric traction freight elevator
15-14.20.10.20	电力牵引载客电梯	electric traction passenger elevator
15-14.20.20	液压电梯	hydraulic elevator
15-14.20.20.10	液压货运电梯	hydraulic freight elevator
15-14.20.20.20	液压载客电梯	hydraulic passenger elevator
15-14.20.30	无障碍电梯	limited-use/limited-application elevator
15-14.30.00	自动扶梯和自动人行道	escalators and moving walk
15-14.40.00	升降机	lift
15-14.40.10	载人升降机	people lift
15-14.40.20	轮椅升降机	wheelchair lift
15-14.40.30	平台升降机	platform lift
15-14.40.30.10	乐队升降机	orchestra lift
15-14.40.30.20	舞台升降机	stage lift
15-14.40.40	车辆升降机	vehicle lift
15-14.50.00	转台	turntable
15-14.50.10	工业转台	industrial turntable
15-14.50.10.10	汽车转台	vehicle turntable
15-14.50.20	酒店用转台	hospitality turntable
15-14.50.20.10	饭店旋转工作台	restaurant turntable

15-14.50.30	展览转台	exhibit turntable
15-14.50.30.10	展示用转台	display turntable
15-14.50.40	娱乐用转台	entertainment turntable
15-14.50.40.10	舞台转台	stage turntable
15-14.60.00	其他输送设备	other conveying equipment
15-14.60.10	传送带设施	facility chute
15-14.60.10.10	运煤滑槽	coal chute
15-14.60.10.20	紧急逃生用滑道	escape chute
15-14.60.10.30	洗衣用滑道	laundry and linen chute
15-14.60.10.40	垃圾滑槽	trash chute
15-14.60.20	气动导管传输系统	pneumatic tube system
15-21.00.00	燃气系统	gas system
15-21.10.00	燃气管道系统	gas pipeline system
15-21.10.10	燃气管道安装	gas pipeline installation
15-21.10.10.10	镀锌钢管安装	galvanized steel pipe installation
15-21.10.10.20	焊接钢管安装	welded steel pipe installation
15-21.10.10.30	承插煤气铸管安装	socket gas pipes installation
15-21.10.20	燃气阀门安装	gas valve installation
15-21.10.30	燃气安全装置安装	gas safety devices installed
15-21.20.00	燃气调压装置	gas pressure regulating device
15-21.20.10	调压箱（柜）安装	regulator box installation
15-21.20.20	调压站安装	regulator station installation
15-21.30.00	燃气器具	fuel gas appliance
15-21.30.10	燃气表安装	gas meter installation
15-21.30.10.10	民用燃气表安装	civil gas meter installation
15-21.30.10.20	公商用燃气表安装	commercial gas meter installation
15-21.30.10.30	工业用罗茨表安装	industrial installation root's table
15-21.30.20	燃气灶具安装	gas stove installation

15-21.30.20.10	气嘴安装	install gas mouth
15-21.30.20.20	调压器安装	voltage regulator for installation
15-21.30.20.30	燃气抽水缸安装	gas cylinder installation of pumping
15-21.30.20.40	燃气管道调长器安装	gas pipeline long modulator installation
15-21.40.00	燃气设备吊装、运输	equipment hoisting and transportation for gas
15-21.50.00	燃气减震设备制作安装	shock absorption equipment installation for gas
15-22.00.00	消防系统	fire protection system
15-22.05.00	气体灭火系统	gas fire extinguishing system
15-22.05.10	气体灭火管道安装	gas fire extinguishing pipeline installation
15-22.05.10.10	无缝钢管（螺纹连接）安装	seamless steel pipe (threaded) installation
15-22.05.10.20	无缝钢管（法兰连接）安装	seamless steel pipe (flange) installation
15-22.05.10.30	气体驱动装置管道安装	gas drive pipe installation
15-22.05.10.40	钢制管件安装	steel pipe installation
15-22.05.20	气体灭火管道阀门安装	gas fire extinguishing pipeline valve installation
15-22.05.30	气体喷头安装	gas nozzle is installed
15-22.05.40	气体灭火设备安装	gas fire extinguishing equipment installation
15-22.10.00	泡沫灭火系统	foam extinguishing system
15-22.10.10	泡沫灭火管道安装	foam extinguishing pipe installation
15-22.10.20	泡沫灭火管道阀门安装	foam extinguishing pipeline valve installation
15-22.10.30	泡沫灭火设备安装	foam extinguishing equipment installation
15-22.15.00	消防设备的调试	commissioning of fire suppression
15-22.20.00	消防设备的测控	instrumentation and control for fire-suppression system
15-22.25.00	水消防系统	water-based fire-suppression system
15-22.25.10	水消防管道安装	sprinkler pipe installation
15-22.25.20	水消防管道阀门安装	sprinkler pipe valve installation

15-22.25.30	水消防设备安 装	water fire extinguishing equipment installation
15-22.30.00	消防储水设施安 装	installation of fire water storage facility
15-22.30.10	消防水箱安 装	fire water tank installation
15-22.35.00	消防器材安 装	fire equipment installation
15-22.35.10	灭火器安 装	fire extinguishers installed
15-22.35.20	灭火器箱（柜）安 装	fire extinguisher box (cabinet) installation
15-22.40.00	消防泵设备	fire pump
15-22.40.05	电动离心消防泵	electric-drive, centrifugal fire pump
15-22.40.10	柴油驱动离心消防泵	diesel-drive, centrifugal fire pump
15-22.40.15	电动立式涡轮消防泵	electric-drive, vertical-turbine fire pump
15-22.40.20	柴油驱动立式涡轮消防 泵	diesel-drive, vertical-turbine fire pump
15-22.40.25	电动容积式消防泵	electric-drive, positive-displacement fire pump
15-22.40.30	柴油驱动容积式消防泵	diesel-drive, positive-displacement fire pump
15-23.00.00	给排水系统	water supply and drainage system
15-23.05.00	建筑给水、热水	building water supply and hot water
15-23.05.10	建筑给水、热水管道安 装	building water supply and hot water piping installation
15-23.05.20	建筑给水、热水阀门安 装	building water supply and hot water the valve installation
15-23.05.30	建筑给水、热水支架安 装	building water supply and hot water racket installation
15-23.05.40	建筑给水、热水管道附 件安 装	building water supply and hot water accessories pipeline installation
15-23.05.40.10	建筑给水、热水水表安 装	building water supply and hot water water meter installation
15-23.10.00	建筑排水	building drainage
15-23.10.10	建筑排水管道安 装	building drainage piping installation

15-23.10.20	建筑排水阀门安装	building drainage the valve installation
15-23.10.30	建筑排水支架安装	building drainage racket installation
15-23.10.40	建筑排水管道附件安装	building drainage accessories pipeline installation
15-23.15.00	建筑雨水排水	building rainwater drainage
15-23.15.10	建筑雨水排水管道安装	building rainwater drainage piping installation
15-23.15.20	建筑雨水排水阀门安装	building rainwater drainage the valve installation
15-23.15.30	建筑雨水排水支架安装	building rainwater drainage racket installation
15-23.15.40	雨水斗安装	rainwater hopper installation
15-23.20.00	卫生器具	sanitary ware
15-23.20.05	大小便池安装	the size of the urinal installation
15-23.20.10	浴缸安装	bath installation
15-23.20.15	洗脸盆安装	lavatory installation
15-23.20.20	淋浴器安装	shower installation
15-23.20.25	大小便槽自动冲洗水箱	urine trough automatic flushing cistern
15-23.20.30	烘手器	hand dryer
15-23.20.35	冷热水混合器	baking hot and cold water mixer
15-23.20.40	其他成品卫生器具	other sanitary ware product
15-23.25.00	特殊建筑给排水	the special building water supply and drainage
15-23.30.00	排水设备吊装、运输	drainage equipment hoisting and transportation
15-23.35.00	排水设备安装	drainage equipment installation
15-23.35.05	生活用水增压泵	domestic-water packaged booster pump
15-23.35.10	紧耦合管道式、磁驱无轴封家用水泵	close-coupled, in-line, sealless centrifugal domestic-water pump
15-23.35.15	紧耦合卧式、直列式离心家用水泵	close-coupled, horizontally mounted, in-line centrifugal domestic-water pump
15-23.35.20	紧耦合垂直安装直列式	close-coupled, vertically mounted, in-line

	离心家用水泵	centrifugal domestic-water pump
15-23.35.25	分别耦合、直列式离心家用水泵	separately coupled, in-line centrifugal domestic-water pump
15-23.35.30	分别耦合卧式、直列式离心家用水泵	separately coupled, horizontally mounted, in-line centrifugal domestic-water pump
15-23.40.00	给排水设备调试	water supply and drainage equipment debugging
15-23.45.00	给排水设备测控	water supply and drainage equipment measurement and control
15-23.50.00	医疗气体设备及附件	medical gas equipment and accessory
15-23.50.05	制氧机安装	oxygen generator installation
15-23.50.10	液氧罐安装	liquid oxygen tank installation
15-23.50.15	储气罐安装	air tank installation
15-23.50.20	干燥机安装	dryer installed
15-23.50.25	空气过滤器安装	air filter installed
15-23.50.30	集污灌安装	set the same installation
15-23.55.00	给排水系统减震设备制作安装	water supply and drainage shock absorption equipment installation
15-24.00.00	通风空调	ventilating, and air-conditioning (hvac)
15-24.05.00	通风系统	ventilation system
15-24.05.10	风管管道安装	duct pipe installation
15-24.05.20	风口安装	tuyere installation
15-24.05.30	通风管道阀门安装	ventilation pipe valve installation
15-24.05.40	风管保温层安装	duct insulation installation
15-24.10.00	空调系统	the air conditioning system
15-24.10.10	空调管道安装	air conditioning pipe installation
15-24.10.20	管道阀门安装	pipeline valve installation
15-24.10.30	管道保温层安装	pipe insulation installed
15-24.10.40	风机盘管安装	fan coil installation

15-24.15.00	噪声与振动控制	noise and vibration control
15-24.15.10	消声器安装	muffler is installed
15-24.20.00	特殊建筑物专用管道系统	special building dedicated pipeline system
15-24.25.00	通风空调设备吊装、运输	ventilation and air-conditioning equipment hoisting and transportation
15-24.30.00	通风空调设备调试	ventilation and air-conditioning equipment debugging
15-24.35.00	通风空调减震设备制作安装	ventilation and air-conditioning shock absorption equipment installation
15-24.40.00	通风空调设备测控	ventilation and air-conditioning equipment measurement and control
15-24.45.00	通风空调设备安装	ventilation and air-conditioning equipment installation
15-24.45.10	制冷剂冷凝器	refrigerant condenser
15-24.45.20	集成冷水器	packaged water chiller
15-24.45.30	冷却塔	cooling tower
15-24.45.40	室内组合式空调机组	indoor central-station air-handling unit
15-24.45.50	压缩机安装	compressor installation
15-25.00.00	采暖系统	heating system
15-25.05.00	蒸汽管道	steam pipe
15-25.05.10	蒸汽管道安装	steam piping installation
15-25.05.20	蒸汽管道阀门安装	steam pipeline valve installation
15-25.05.30	蒸汽管道支架安装	steam pipe supports to install
15-25.10.00	室内供暖设备	indoor heating device
15-25.10.10	散热器安装	the radiator installation
15-25.15.00	热媒传输设备	heating medium delivery device
15-25.20.00	建筑冷、热源	building heating and cooling source

15-25.20.10	锅炉安装	boiler installation
15-25.20.20	冷水机组安装	water chiller installation
15-25.20.30	热泵安装	heat pump installation
15-25.20.40	水处理设备	water treatment equipment
15-25.25.00	采暖设备吊装、运输	heating equipment hoisting and transportation
15-25.30.00	采暖设备调试	heating equipment debugging
15-25.35.00	采暖减震设备制作安装	shock absorption equipment installation for heating
15-25.40.00	采暖设备测控	heating equipment measurement and control
15-25.45.00	集中供暖系统热计量与室温调控设备	the central heating system heat metering and temperature control
15-26.00.00	电气	electrical
15-26.05.00	供配电设备	power supply equipment
15-26.05.10	低压配电	low voltage power distribution
15-26.05.20	高压配电	high voltage distribution
15-26.05.30	备用电源	standby power
15-26.05.40	变压器	transformer
15-26.10.00	照明设备	lighting equipment
15-26.10.10	电光源安装	electric light source installed
15-26.10.20	照明灯具安装	lighting installation
15-26.10.30	开关安装	the switch installed
15-26.10.40	插座安装	socket installation
15-26.15.00	防雷及接地设备	lightning protection and ground equipment
15-26.20.00	输配电器材	transmission and distribution equipment
15-26.20.05	电缆安装	cable installation
15-26.20.10	电线、配管安装	electrical wiring, piping installation
15-26.20.15	母线安装	us bar installation
15-26.20.20	10kv 以下架空配电线路	install below 10 kv overhead distribution lines

	安装	10kv
15-26.20.25	线槽安装	trough the installation
15-26.20.30	电线、电缆配件安装	wire, cable accessories installation
15-26.25.00	电气系统的调试	commissioning of electrical system
15-26.25.05	电力变压器系统调试	power transformer system debugging
15-26.25.10	送配电装置系统调试	the distribution equipment system debugging
15-26.25.15	特殊保护装置调试	special protection device debugging
15-26.25.20	事故照明切换装置调试	emergency lighting switch device debugging
15-26.25.25	母线调试	bus debugging
15-26.25.30	接地装置调试	grounding device debugging
15-26.25.30.10	接地电阻测试	grounding resistance test
15-26.25.35	电容器调试	capacitor debugging
15-26.25.40	避雷器调试	lightning arrester debugging
15-26.30.00	电气系统的仪器仪表和控制原件	instrumentation and control for electrical system
15-26.30.05	电力监控	electrical power monitoring
15-26.30.10	峰值负载控制器	peak load controller
15-26.30.15	电气控制器和继电器	electrical controls and relay
15-26.30.20	可编程控制器	programmable controller
15-26.30.25	封闭式接触器	enclosed contactor
15-26.30.30	照明控制装置	lighting control device
15-26.30.35	照明控制配电板	lighting control panelboard
15-26.30.40	中央调光控制器	central dimming control
15-26.35.00	电气设备吊装、运输	electric equipment hoisting and transportation
15-26.50.00	电气减震设备制作安装	shock absorption equipment installation for electric
15-26.55.00	电气设备测控	electric equipment measurement and control
15-27.00.00	建筑智能化	building intelligent

15-27.05.00	智能化集成设施	intelligent integrated facility
15-27.05.10	主机设备安装	the host equipment installation
15-27.05.10.10	服务器安装	server installation
15-27.05.10.20	管理机安装	management machine installation
15-27.05.10.30	工作站安装	workstation installation
15-27.05.20	显示屏安装	display installed
15-27.05.30	存储器安装	the memory installed
15-27.05.40	接口装置安装	interface device is installed
15-27.10.00	信息系统设备	information system equipment
15-27.10.10	通信接入设备安装	communication access equipment installation
15-27.10.10.10	卫星通信设备安装	satellite communications equipment installation
15-27.10.10.20	移动通信覆盖设备安装	the mobile communication equipment installation
15-27.10.10.30	电话交换设备安装	telephone switching equipment installation
15-27.10.20	信息网络设备安装	information network equipment installation
15-27.10.30	综合布线系统设备安装	integrated wiring system equipment installation
15-27.10.30.10	双绞线缆敷设	twisted-pair cable laying
15-27.10.30.20	光缆敷设	fiber optic cable laying
15-27.10.30.30	电话线和广播线敷设	telephone line and guangboxian installation
15-27.10.30.40	机柜、机架、抗震底座安装	cabinet, frame, the seismic base installation
15-27.10.40	有线电视及卫星电视接收设备安装	cable and satellite tv receiving equipment installation
15-27.15.00	建筑设备管理系统设备	construction equipment management system
15-27.20.00	公共安全系统设备	the public security system
15-27.25.00	建筑智能化系统调试	intelligent system debugging
15-27.30.00	建筑智能化系统设备吊装、运输	intelligent system equipment hoisting and transportation

15-27.35.00	建筑智能化系统设备调试	intelligent system equipment debugging
15-27.40.00	建筑智能化减震设备制作安装	shock absorption equipment installation for intelligent system
15-27.45.00	建筑智能化设备测控	intelligent system equipment measurement and control
15-31.00.00	土方工程	earthwork
15-31.10.00	场地清理	site clearing
15-31.20.00	运土	earth moving
15-31.30.00	挖方	excavation
15-31.40.00	填方	fill
15-32.00.00	室外工程	exterior improvement
15-32.10.00	附属建筑	ancillary building
15-32.10.10	围墙	fence
15-32.10.20	大门	gate
15-32.10.30	车棚	bike shed
15-32.10.40	挡土墙	retaining wall
15-32.10.50	垃圾收集站	refuse collection point
15-32.20.00	室外环境	exterior environment
15-32.20.05	建筑小品	building sketch
15-32.20.10	道路	roadway
15-32.20.15	亭台	pavilion
15-32.20.20	连廊	corridor
15-32.20.25	花坛	parterre
15-32.20.30	场坪绿化	planting
15-32.30.00	给排水、采暖	plumbing、heating
15-32.30.10	室外给水	exterior water supply
15-32.30.20	室外排水	exterior drainage

15-32.30.30	室外供暖	exterior heating
15-32.40.00	电气	exterior electrical
15-32.40.10	室外供电	exterior power supply
15-32.40.20	室外照明	exterior lighting
15-32.50.00	燃气	gas
15-32.50.10	室外燃气	exterior gas
15-33.00.00	公共设施	utilitie
15-33.05.00	公用给水设施	water utility
15-33.10.00	污水排水设施	sanitary sewerage utility
15-33.15.00	雨水排水设施	storm drainage utility
15-33.20.00	市政中水设施	reclaimed water utility
15-33.25.00	市政燃气设备	municipal gas equipment
15-33.30.00	市政供热设备	municipal heating equipment
15-33.35.00	电力设施	electrical utility
15-33.40.00	通信设施	communications utility
15-34.00.00	地基处理与边坡支护	foundation treatment and slope supporting
15-34.10.00	地基处理	subgrade treatment
15-34.10.10	稳定土	soil stabilization
15-34.10.10.05	混合稳定土	soil mixing stabilization
15-34.10.10.05.10	沥青稳定土	asphalt soil stabilization
15-34.10.10.05.20	水泥稳定土	cement soil stabilization
15-34.10.10.05.30	石灰稳定土	lime soil stabilization
15-34.10.10.05.40	粉煤灰稳定土	fly-ash soil stabilization
15-34.10.10.05.50	石灰粉煤灰稳定土	lime-fly-ash soil stabilization
15-34.10.10.10	化学处理稳定土	chemical treatment soil stabilization
15-34.10.10.10.10	聚合物乳液稳定土	polymer emulsion soil stabilization
15-34.10.10.15	注水稳定土	water injection soil stabilization
15-34.10.10.20	土工合成材料的稳定土	geosynthetic soil stabilization and layer

	和层分离	separation
15-34.10.10.20.10	土工格栅稳定土	geogrid soil stabilization
15-34.10.10.20.20	土工布稳定土	geotextile soil stabilization
15-34.10.10.20.30	土工格栅层分离	geogrid layer separation
15-34.10.10.20.40	土工织物层分离	geotextile layer separation
15-34.10.10.25	压密注浆稳定土	pressure grouting soil stabilization
15-34.10.10.25.10	水泥压密注浆稳定土	cementitious pressure grouting soil stabilization
15-34.10.10.25.20	化工压力注浆稳定土	chemical pressure grouting soil stabilization
15-34.10.10.30	喷浆土壤边坡稳定	shotcrete soil slope stabilization
15-34.10.10.35	土钉支护	soil nailing
15-34.10.10.35.10	击入式土钉支护	driven soil nailing
15-34.10.10.35.20	注浆土钉支护	grouted soil nailing
15-34.10.10.35.30	土钉支护的防腐蚀	corrosion-protected soil nailing
15-34.10.10.35.40	土钉支护喷射灌浆	jet-grouted soil nailing
15-34.10.10.35.50	土钉支护拆除	launched soil nailing
15-34.10.20	岩石稳定	rock stabilization
15-34.10.20.10	锚杆支护和注浆	rock bolting and grouting
15-34.10.20.20	岩质边坡网	rock slope netting
15-34.10.20.30	岩质边坡丝网	rock slope wire mesh
15-34.10.20.40	喷浆岩质边坡稳定	shotcrete rock slope stabilization
15-34.10.20.50	植被岩质边坡稳定	vegetated rock slope stabilization
15-34.10.30	土壤加固	soil reinforcement
15-34.10.30.10	土工合成材料的土壤加固	geosynthetic soil reinforcement
15-34.10.30.10.10	土工格栅土壤加固	geogrid soil reinforcement
15-34.10.30.10.20	土工织物土壤加固	geotextile soil reinforcement
15-34.10.30.20	纤维土壤加固	fiber soil reinforcement
15-34.10.30.20.10	土工合成材料的纤维土	geosynthetic fiber soil reinforcement

	壤加固	
15-34.10.40	混凝土加强	concrete raising
15-34.10.40.10	压力灌浆	pressure grouting
15-34.10.40.10.10	混凝土压力灌浆	concrete pressure grouting
15-34.10.40.10.20	聚氨酯压力灌浆	polyurethane pressure grouting
15-34.10.40.20	压密灌浆	compaction grouting
15-34.10.40.30	机械提升	mechanical jacking
15-34.10.50	振冲和致密化	vibroflotation and densification
15-34.10.50.10	振浮压实	vibroflotation
15-34.10.50.20	夯实	densification
15-34.20.00	边坡支护	slope supporting
15-34.20.10	边坡防护	slope protection
15-34.20.10.10	土工合成材料的边坡防护	geosynthetic slope protection
15-34.20.10.10.10	土工格栅边坡防护	geogrid slope protection
15-34.20.10.10.20	土工织物边坡防护	geotextile slope protection
15-34.20.10.10.30	附加覆盖控制网的边坡防护	slope protection with mulch control netting
15-34.20.10.20	坡铺面边坡防护	slope protection with slope paving
15-34.20.10.20.10	浇筑混凝土斜坡铺面	cast-in-place concrete slope paving
15-34.20.10.20.20	预制混凝土斜坡铺面	precast concrete slope paving
15-34.20.10.20.30	混凝土砌块边坡铺面	concrete unit masonry slope paving
15-34.20.10.30	遏制屏障	containment barrier
15-34.20.10.30.10	粘土遏制屏障	clay containment barrier
15-34.20.10.30.20	土工膜遏制屏障	geomembrane containment barrier
15-34.20.10.30.30	膨润土泥浆槽	bentonite slurry trench
15-34.20.20	支撑	shoring
15-34.20.20.10	木材支撑	timber shoring

15-34.20.20.20	板桩	sheet piling
15-34.20.20.20.10	钢板桩	steel sheet piling
15-34.20.20.20.20	塑料板桩	plastic sheet piling
15-34.20.20.30	金属液压支撑	metal hydraulic shoring
15-34.20.20.30.10	铝合金液压支撑	aluminum hydraulic shoring
15-34.20.20.40	气动支撑	pneumatic shoring
15-34.20.20.50	沟槽屏蔽	trench shielding
15-34.20.30	锚杆	anchor tieback
15-34.20.30.10	挖掘土锚	excavation soil anchor
15-34.20.30.20	挖掘岩锚	excavation rock anchor
15-34.20.30.30	抗浮锚杆	anti floating anchor
15-34.20.30.40	热交换锚杆	heat exchange anchor
15-34.20.40	围堰	cofferdam
15-34.20.40.10	板桩围堰	sheet piling cofferdam
15-34.20.40.20	木材围堰	timber cofferdam
15-34.20.40.30	预制混凝土围堰	precast concrete cofferdam
15-34.20.50	地层冻结	ground freezing
15-34.20.60	地下连续墙	slurry wall

附录 G 工程建设项目阶段

表 20 工程建设项目阶段

编码	类目中文	类目英文
20-10.00.00	项目前期阶段	inception phase
20-10.10.00	投资策划	finance planning
20-10.10.10	投资意向	investment intent
20-10.10.20	投资机会分析	investment opportunity analysis
20-10.10.30	市场调研分析	Market Analysis
20-10.20.00	项目规划	project planning
20-10.20.10	总体方案策划	overall planning
20-10.20.20	项目建议书	project proposal
20-10.20.30	可行性研究	feasibility study
20-10.20.40	评价和决策	evaluation and decision-making
20-10.20.50	审批立项	project approval and initiation
20-20.00.00	项目实施阶段	implementation phase
20-20.10.00	勘察	surveying
20-20.10.10	勘察可行性研究	surveying feasibility study
20-20.10.20	初勘	preliminary survey
20-20.10.30	详勘	detailed survey
20-20.10.40	定测	positioning survey
20-20.10.50	补充定测	added positioning survey
20-20.15.00	概念设计	conceptual design
20-20.15.10	场地规划	site planning
20-20.15.20	建筑形式确定	architecture style selection
20-20.15.30	结构选型	structure selection
20-20.15.40	建筑性能预估	building performance estimation
20-20.20.00	方案设计	schematic design
20-20.20.10	总图规划设计	general drawing design

20-20.20.20	单体规划设计	monomer planning and design
20-20.20.30	设备信息收集	facility information collection
20-20.20.40	项目成果表现	exhibition of deliverable
20-20.20.50	方案调整完善	scheme adjustment
20-20.25.00	初步设计	preliminary design
20-20.25.10	各专业设计	engineering preliminary design
20-20.25.20	设备信息整合	facility information integration
20-20.25.30	工程量概算	estimates of quantity
20-20.30.00	安装图设计	shop drawing design
20-20.30.10	各专业深化设计	engineering detailed design
20-20.30.20	建筑材料信息汇总	collection of building material information
20-20.30.30	工程量预算	budget of quantity
20-20.35.00	虚拟建造	virtual construction
20-20.35.10	设计模型汇总	models integration
20-20.35.20	工程进度模拟	project progress simulation
20-20.35.30	成本跟踪模拟	cost tracking simulation
20-20.35.40	项目可持续性分析模拟	project sustainability simulation
20-20.35.50	运营与维护模拟	operation and maintenance simulation
20-20.40.00	产品预制/采购	component prefabrication/procurement
20-20.40.10	构件图纸生成	component drawing creation
20-20.40.15	物料统计	materials statistics collection
20-20.40.20	制造委托	commissioned manufacturing
20-20.40.25	工厂加工	component fabrication
20-20.40.30	材料运输	materials transportation
20-20.40.35	仓储发货	storage and delivery
20-20.45.00	建造	site construction
20-20.45.10	工程发包与承包	contract issuing and contracting
20-20.45.20	施工准备	construction preparation

20-20.45.30	工程策划	construction planning
20-20.45.40	工程施工	construction
20-20.50.00	验收	project acceptance
20-20.50.10	初验	preliminary inspection
20-20.50.20	专项验收	specific projects acceptance
20-20.50.30	竣工验收	closeout acceptance
20-20.50.40	验收备案	project acceptance record
20-20.55.00	交付	hand over
20-20.55.10	建筑实体交付	building entity delivery
20-20.55.20	竣工模型交付	completion of delivery model
20-30.00.00	项目后期管理	post project management phase
20-30.10.00	运行与维护	operation and maintain
20-30.10.10	运营	operation
20-30.10.20	投资后评价	post investment assessment
20-30.10.30	设施维护	facility maintain
20-30.10.40	设施再利用	facility for recycling
20-30.20.00	改造或拆除	modification or dismantled
20-30.20.10	改造	project renovation
20-30.20.20	拆除	project demolition

附录 H 行为

表 21 行为

编码	类目中文	类目英文
21-10.00.00	投资行为	investment activities
21-10.10.00	规划	planning
21-10.10.10	投资意向	investment Intent
21-10.10.15	市场机会	market opportunity
21-10.10.20	委托可行性研究	commissioned feasibility study
21-10.10.25	项目评价	project evaluation
21-10.10.30	投资决策	investment decision-making
21-10.10.35	报建	application for construction
21-10.20.00	融资	financing
21-10.20.10	资金需求估算	estimation of financial demand
21-10.20.20	融资方案	financing plan
21-10.20.30	担保	guarantee
21-10.20.40	合作协议	cooperation agreement
21-10.20.50	交易	transaction
21-10.30.00	发包	contracting
21-10.30.10	招标方式确定	determination of bidding type
21-10.30.15	招标信息发布	release of bidding information
21-10.30.20	资格预审	pre-qualification
21-10.30.25	资格后审	post-qualification
21-10.30.30	标前会议	pre-bidding meeting
21-10.30.35	工程评标	evaluation of construction bid
21-10.30.40	工程定标	determination of construction bid
21-10.30.45	合同签署	contract signing
21-10.40.00	租赁	leasing
21-10.40.10	委托采购	customized sourcing

21-10.40.20	战略采购	strategic procurement
21-10.40.30	甲供材料管理	owner provided materials management
21-10.40.40	租赁	leasing
21-10.40.50	融资租赁	finance leasing
21-10.50.00	实施管理	implementation management
21-10.50.10	委托监理	supervision mandate
21-10.50.15	证照办理	license transaction
21-10.50.20	进度监控	schedule control
21-10.50.25	HSE 监督	HSE supervision
21-10.50.30	质量监督	quality control
21-10.50.35	成本监控	cost control
21-10.50.40	验收交付	accepted and delivered
21-10.60.00	投资评价	investment evaluation
21-10.60.10	项目实施评价	evaluation of project implementation
21-10.60.20	投资后评价	evaluation after investment
21-20.00.00	设计行为	design activities
21-20.10.00	勘察	surveying
21-20.20.00	方案设计	schematic design
21-20.20.10	总体规划	overall planning
21-20.20.20	空间规划	space planning
21-20.20.30	方案图设计	design of conceptual drawing
21-20.20.40	方案模型设计	design of conceptual model
21-20.20.50	性能优化	optimization of building performance
21-20.30.00	初设和施工图设计	preliminary and construction drawing Design
21-20.30.10	绘图	drawing
21-20.30.15	澄清	clarifying
21-20.30.20	校核	checking

21-20.30.25	调整	adjusting
21-20.30.30	优化	optimizing
21-20.30.35	会签	countersigning
21-20.30.40	报审	reporting
21-20.30.45	确认	confirmation
21-20.40.00	施工配合	construction cooperation
21-20.40.10	施工工程虚拟	virtual construction
21-20.40.20	施工辅助配合	auxiliary construction cooperation
21-20.50.00	采购	procurement
21-20.50.10	物料需求	materials demand
21-20.50.15	采购计划	procurement plan
21-20.50.20	询价	enquirying
21-20.50.25	招标	bidding
21-20.50.30	集中采购	centralized purchasing
21-20.50.35	框架协议	framework agreement
21-20.50.40	采购评标	evaluation of procurement bid
21-20.50.45	采购定标	determination of procurement bid
21-20.50.50	监造	supervision
21-20.50.55	运输	transportation
21-20.60.00	仓储	storage
21-20.60.10	建筑材料到货	arrival of building material
21-20.60.20	材料检验	examination of material
21-20.60.30	建筑材料入库	storing of building material
21-20.60.40	建筑材料发料	issuance of building material
21-20.60.50	建筑材料退库	cancelling stock of building material
21-20.60.60	存货盘点	stocktaking
21-30.00.00	建造行为	construction activities
21-30.10.00	施工准备	construction preparation

21-30.10.10	生产生活基地建设	construction of production and living base
21-30.10.13	图纸审查	drawing review
21-30.10.16	施工组织设计	construction organization design
21-30.10.19	施工方案编制	construction plan establishment
21-30.10.21	施工图预算编制	construction drawing budget establishment
21-30.10.24	进度计划编制	schedule development
21-30.10.28	现场勘察	site surveying
21-30.10.32	三通一平	three supplies and one Leveling
21-30.10.36	材料、设备订货	ordering of material and equipment
21-30.10.41	机械机具进场	mechanical equipment on site
21-30.10.43	劳动资源配置	allocation of labor resource
21-30.10.46	开工报告	commencement report
21-30.20.00	现场建造	site construction
21-30.20.10	构造	structuring
21-30.20.13	成型	molding
21-30.20.16	浇筑	pouring
21-30.20.19	装配	assembling
21-30.20.21	连接	connecting
21-30.20.23	紧固	fastening
21-30.20.26	附着	adhering
21-30.20.29	配置	deploying
21-30.20.31	起吊	craning
21-30.20.33	安装	installing
21-30.20.36	装配竖立	erecting
21-30.20.39	加注	filling
21-30.20.41	充填	backfilling
21-30.20.43	装饰	decorating
21-30.30.00	交付	deliverying

21-30.30.10	清洗	cleaning
21-30.30.20	防护	fencing
21-30.30.30	试车	test Run
21-30.30.40	调试	debugging
21-30.30.50	竣工交付	the completion of delivery
21-30.40.00	保障	guarantee
21-30.40.10	观察	observing
21-30.40.15	检验	inspecting
21-30.40.20	证明	proving
21-30.40.25	测试	testing
21-30.40.30	抽样	sampling
21-30.40.35	承诺	commitment
21-30.40.40	担保	guarantee
21-30.40.45	监控	monitoring
21-30.40.50	质保	quality Guarantee
21-40.00.00	运营与维护	operation and maintenance activities
21-40.10.00	保险与索赔	insurance and claiming
21-40.10.10	保险	insurance
21-40.10.20	索赔	claiming
21-40.20.00	运营管理	operation management
21-40.20.10	开业筹备	pre-opening
21-40.20.20	客户化定制	customerization
21-40.20.30	日常运行管理	everyday operation management
21-40.30.00	设施管理	facility management
21-40.30.10	操作	operating
21-40.30.15	运行记录	operation Record
21-40.30.20	保养	maintaining
21-40.30.25	检测	detection

21-40.30.30	维修	maintenance
21-40.30.35	拆卸	disassembly
21-40.30.40	保洁	clean-keeping
21-40.30.45	升级	upgrading
21-40.30.50	更换	repairing
21-40.30.55	再利用	reuse
21-40.30.60	转化	transforming
21-40.30.65	搬迁	relocation
21-40.40.00	改造	Modification
21-40.40.10	拆除	dismantling
21-40.40.20	挖掘	digging
21-40.40.30	切割	dividing
21-40.40.40	处理	disposing
21-40.40.50	废弃物利用	waste Utilization
21-40.40.60	回收	recycling
21-50.00.00	咨询行为	consulting activities
21-50.10.00	规划咨询	planning consulting
21-50.10.10	发展规划研究	development planning study
21-50.10.20	规划评估	evaluation of planning
21-50.10.30	规划决策	planning decision-making
21-50.15.00	专题与政策咨询	special topic and policy consulting
21-50.15.10	宏观专题研究	macro research
21-50.15.20	微观专题研究	micro research
21-50.15.30	咨询理论和方法研究	study of consulting concepts and methods
21-50.15.40	国际合作咨询研究	study of international collaborative consulting
21-50.20.00	项目前期工程咨询	engineering consulting of early stages
21-50.20.10	投资机会研究	investment opportunity study

21-50.20.20	项目建议书	project proposal
21-50.20.30	可行性研究	feasibility study
21-50.20.40	项目评估和决策	project evaluation and decision-making
21-50.25.00	项目准备工程咨询	engineering consulting of preparation stages
21-50.25.10	设计监理	design supervision
21-50.25.15	融资服务	financing service
21-50.25.20	工程和设备招标	project and facility bidding
21-50.25.25	招标代理	bidding agency
21-50.25.30	开工准备	construction preparation
21-50.30.00	实施阶段工程咨询	engineering consulting of implementation stages
21-50.30.10	合同咨询	contract consulting
21-50.30.15	采购咨询	procurement consulting
21-50.30.20	人员培训	personnel training
21-50.30.25	工程监理	project supervision
21-50.30.30	设备监理	facility supervision
21-50.30.35	竣工咨询	completion consulting
21-50.30.40	索赔咨询	claim consulting
21-50.35.00	项目管理咨询	project management consulting
21-50.35.10	项目管理制度	project management regulations
21-50.35.20	项目管理模式	project management mode
21-50.35.30	项目管理流程	project management process
21-50.35.40	项目管理方法	project management method
21-50.40.00	IT 实施咨询	IT implementation consulting
21-50.40.10	IT 需求分析	IT demand analysis
21-50.40.15	IT 规划	IT planning
21-50.40.20	IT 建设方案	IT development Scheme

21-50.40.25	IT 系统选型	IT system selection
21-50.40.30	IT 基础设施配套	IT supporting infrastructure
21-50.40.35	IT 系统实施	IT system implementation
21-50.40.40	IT 系统培训	IT system training
21-50.40.45	IT 系统维护	IT system maintenance
21-50.40.50	IT 系统升级	IT system upgrade
21-60.00.00	政府行为	government activities
21-60.10.00	许可服务	permission
21-60.10.10	建设用地规划许可证	construction land use permit
21-60.10.15	建筑工程单体规划设计条件 批准	monomer construction planning and design condition for approval
21-60.10.20	修建性详细规划审批的立案 资料批准	detailed planning approval
21-60.10.25	建设用地批准书	approval of construction land
21-60.10.30	消防专业审核	fire protection audit
21-60.10.35	卫生防疫专业审核	health and epidemic prevention professional audit
21-60.10.40	人防专业审核	air defence audit
21-60.10.45	环境影响报告审批	environment impact report approval
21-60.10.50	建设工程放线测量记录批复	measuring unreeling data approval
21-60.10.55	《建筑功能指标明细表》和 《建筑面积明细表》批复	《Building function index list 》 and 《Construction area list》 approval
21-60.10.60	建设工程规划许可证	planning permit of construction engineering
21-60.10.65	建设工程施工图设计文件初 审	preliminary examination of construction drawing design file
21-60.20.00	标准发布	standard release
21-60.20.10	技术规范	technical specification

21-60.20.20	行业标准	industrial standard
21-60.30.00	法律服务	legal service
21-60.30.10	强制执行法规	enforcement of laws and regulation
21-60.30.20	法律纠纷处理	laws and regulations for labor dispute
21-60.40.00	监察监督	supervision
21-60.40.10	工程质量监督	engineering quality supervision
21-60.40.20	工程安全监督	engineering safety supervision
21-70.00.00	管理行为	management activities
21-70.10.00	管理过程	procedure management
21-70.10.10	团队建设	organisation building
21-70.10.20	决策	policy making
21-70.10.30	授权	authorization
21-70.10.40	任务协调	work package coordination
21-70.10.50	监督	supervision
21-70.10.60	变更管理	management of change
21-70.15.00	日程安排	schedule planing
21-70.15.10	里程碑定义	defining milestone
21-70.15.15	分级计划编制	hierarchical planning
21-70.15.20	进度检测	detection progress
21-70.15.25	快速跟进	fast tracking
21-70.15.30	加快进展	accelerating progress
21-70.15.35	延期	delay
21-70.20.00	招聘	recruit
21-70.20.10	招募	human recruit
21-70.20.20	雇佣	employ
21-70.20.30	解雇	dismissal
21-70.25.00	会计	accounting
21-70.25.10	记账	charge up

21-70.25.20	支付	defray
21-70.25.30	偿付	pay
21-70.30.00	沟通行为	communication activities
21-70.30.10	协作	coordination and cooperation
21-70.30.10.10	头脑风暴	brainstorming
21-70.30.10.20	会议	meeting
21-70.30.10.30	联络	keeping connection
21-70.30.10.40	网上交流	connect online
21-70.30.10.50	观点阐述	opinion proposing
21-70.30.20	表述	expression
21-70.30.20.10	辩论	discussing
21-70.30.20.15	谈判	negotiation
21-70.30.20.20	展示	display
21-70.30.20.25	探讨	explore
21-70.30.20.30	报告	presentation
21-70.30.20.35	评述	comment making
21-70.30.20.40	回应	response
21-70.30.30	标记	marking
21-70.30.30.10	标记注释	marker annotation
21-70.30.30.20	编辑	editing
21-70.30.30.30	电子邮件	E-mail
21-70.30.30.40	通信	correspondence
21-70.30.40	参与	involvement
21-70.30.40.10	出席	attendance
21-70.30.50	传播	spread
21-70.35.00	决策行为	decision-making activities
21-70.35.10	愿景	visioning
21-70.35.13	预测	prediction

21-70.35.16	设定目标	target setting
21-70.35.19	计划	scheduling
21-70.35.21	创作	creation
21-70.35.23	定义	defining
21-70.35.26	解释	explaining
21-70.35.39	同化	assimilation
21-70.35.41	决定	determination
21-70.35.43	正式化	formalizing
21-70.35.46	公式化	formulating
21-70.35.49	界定	demarcation
21-70.35.51	数据收集	data collection
21-70.35.51.10	学习	learning
21-70.35.51.15	研究	research
21-70.35.51.20	搜索	search
21-70.35.51.25	阅读	reading
21-70.35.51.30	调查	investigation
21-70.35.51.35	鉴别	identification
21-70.35.51.40	测量	measurement
21-70.35.51.45	定位	location
21-70.35.53	量化	quantity-based data collection
21-70.35.53.10	测定	measurement
21-70.35.53.20	列举	listing
21-70.35.56	信息加工	information processing
21-70.35.56.10	评估	evaluation
21-70.35.56.12	分析	analysis
21-70.35.56.14	解析	expounding
21-70.35.56.16	协调	coordination
21-70.35.56.18	整合	integration

21-70.35.56.20	比较	comparison
21-70.35.56.22	评价	assessment
21-70.35.56.24	优先级	priority setting
21-70.35.56.26	完成量评估	evaluation of quantity completion
21-70.35.56.28	标杆管理	benchmarking management
21-70.35.56.30	数据挖掘	data collection
21-70.35.56.32	最佳化	optimizing
21-70.35.56.34	精炼	refining
21-70.35.56.36	发展	developing
21-70.35.56.38	特征化	characterizing
21-70.35.56.40	甄选	selecting
21-70.35.56.42	计算	calculating
21-70.35.56.44	分配	allocating
21-70.35.59	组织	organising
21-70.35.59.10	排序	ranking
21-70.35.59.15	分类	classifying
21-70.35.59.20	程序化	routinizing
21-70.35.59.25	备份	back-up
21-70.35.59.30	检索	retrieving
21-70.35.61	审查	examination
21-70.35.61.10	监测	supervising
21-70.35.61.20	检查	examining
21-70.35.61.30	追踪	tracking
21-70.35.63	工程价值评估	project value assessment
21-70.40.00	文档管理行为	docements management activities
21-70.40.10	建模	modelling
21-70.40.10.10	录入项目信息	project information entering
21-70.40.10.15	生成 BIM 目录	BIM content creation

21-70.40.10.20	汇编 BIM 内容	BIM content collection
21-70.40.10.25	注释 BIM 内容	BIM content annotation
21-70.40.10.30	创建 BIM 视图	BIM views creation
21-70.40.10.35	定义 BIM 工作表	BIM worksheet defining
21-70.40.10.40	创建 BIM 编制目录	BIM catalog creation
21-70.40.10.45	链接 BIM 文档	BIM document chaining
21-70.40.10.50	生成 BIM 报告	BIM report proposing
21-70.40.15	注释	annotation
21-70.40.20	描绘	illustration
21-70.40.20.10	渲染	rendering
21-70.40.20.15	图解	diagrammatizing
21-70.40.20.20	立面图	vertical view drawing
21-70.40.20.25	解析图	diagramming
21-70.40.20.30	草图	preliminary sketch drawing
21-70.40.20.35	细化	detailing
21-70.40.25	具体说明	specific description
21-70.40.30	影像	screenage
21-70.40.30.10	摄影	photo taking
21-70.40.30.20	拍摄	filming
21-70.40.35	记录保存	recording
21-70.40.35.10	归档	data archiving
21-70.40.40	准备	data preparation
21-70.40.45	索引	index
21-70.40.45.10	列表	table listing
21-70.40.50	更新	update
21-70.40.50.10	修正	improvement
21-70.40.50.20	纠正	modificating
21-70.40.50.30	附录	appendix adding

21-70.45.00	日常行为	routine activities
21-70.45.10	室内工作	interior work
21-70.45.15	申请休假	vacation application
21-70.45.20	申请病假	sick leave application
21-70.45.25	度假	on vacation
21-70.45.30	法律法规约束	laws and regulations constraint
21-70.45.35	承担公民义务	citizenship undertaking
21-70.45.40	专业发展	subject development
21-70.45.45.10	训练	trainning
21-70.45.45.20	教育	educating
21-70.45.45	指导	guidance providing

附录 J 专业领域

表 22 专业领域

编码	类目中文	类目英文
22-10.00.00	规划专业	planning discipline
22-10.10.00	区域规划	regional planning
22-10.15.00	发展规划	development planning
22-10.20.00	村镇规划	rural planning
22-10.25.00	城市规划	urban planning
22-10.30.00	交通规划	transportation planning
22-10.35.00	环境规划	environmental planning
22-10.40.00	设施保护规划	facility conservation planning
22-10.40.10	历史建筑保护规划	historic building conservation planning
22-10.40.20	历史古迹保护规划	ancient monument conservation planning
22-10.40.30	考古区保护规划	archaeological area conservation planning
22-10.45.00	铁路网规划	railway planning
22-10.50.00	城际轨道交通线网 规划	inter-city rail transit network planning
22-10.55.00	城市轨道交通线网 规划	urban rail transit network planning
22-10.60.00	城市轨道交通建设 规划	urban rail transit construction planning
22-15.00.00	设计专业	design discipline
22-15.10.00	规划设计	planning and design
22-15.10.05	总体规划设计	the overall planning
22-15.10.10	详细规划设计	detailed planning
22-15.10.10.10	控制性详细规划	control detailed planning
22-15.10.20.20	修建性详细规划	construction of detailed planning
22-15.10.25	专项规划	special planning

22-15.10.30	城市设计	city design
22-15.15.00	工程设计	engineering design
22-15.15.10	建筑设计	the architectural design
22-15.15.20	建筑结构设计	the structure design
22-15.15.30	建筑给排水设计	water supply and drainage design
22-15.15.40	建筑供热通风设计	heating and ventilation design
22-15.15.50	建筑电气设计	building electrical design
22-15.15.60	建筑智能化设计	building intelligent design
22-15.20.00	装饰设计	decoration design
22-15.20.10	室内装饰设计	interior decoration design
22-15.20.20	建筑外装饰设计	outdoor decoration design
22-15.20.30	环境艺术设计	environmental art design
22-15.20.30.10	硬质景观设计	hard landscape design
22-15.20.30.20	软质景观设计	green design
22-15.20.30.30	光环境设计	light environment design
22-15.25.00	平面设计	graphic design
22-15.25.10	标牌设计	signage graphic design
22-15.30.00	工程	engineering
22-15.30.03	航空航天工程	aerospace engineering
22-15.30.07	农业工程	agricultural engineering
22-15.30.10	生物医学工程	biomedical engineering
22-15.30.13	化学工程	chemical engineering
22-15.30.17	土木工程	civil engineering
22-15.30.17.10	岩土工程	geotechnical engineering
22-15.30.20	结构工程	structural engineering
22-15.30.20.05	地基基础工程	foundation engineering
22-15.30.20.10	高层工程	high-rise engineering
22-15.30.20.15	大跨度结构工程	long-span structure engineering

22-15.30.20.20	张拉结构工程	tensile structure engineering
22-15.30.20.25	气动结构工程	pneumatic structure engineering
22-15.30.20.30	水工结构工程	hydraulic structure engineering
22-15.30.23	机械工程	mechanical engineering
22-15.30.23.10	水务工程	plumbing engineering
22-15.30.23.20	消防工程	fire protection engineering
22-15.30.23.30	采暖, 通风及空调工程	heating, ventilation, and air-conditioning engineering
22-15.30.23.40	制冷工程	refrigeration engineering
22-15.30.23.50	能耗监测与控制工程	energy monitoring and controls engineering
22-15.30.23.60	水文工程	hydrological engineering
22-15.30.27	采矿与地质工程	mining and geological engineering
22-15.30.30	电气工程	electrical engineering
22-15.30.30.10	高电压电气工程	high voltage electrical engineering
22-15.30.30.20	中压电气工程	medium voltage electrical engineering
22-15.30.30.30	低电压电气工程	low voltage electrical engineering
22-15.30.33	电子工程	electronics engineering
22-15.30.37	计算机硬件工程	computer hardware engineering
22-15.30.40	工艺工程	process engineering
22-15.30.40.05	管道工程	pipng engineering
22-15.30.40.10	风力工程	wind engineering
22-15.30.40.15	热电联产工程	co-generation engineering
22-15.30.40.20	核工程	nuclear engineering
22-15.30.40.25	卫生工程	sanitary engineering
22-15.30.40.30	石油工程	petroleum engineering
22-15.30.43	环境工程	environmental engineering
22-15.30.47	工业工程	industrial engineering

22-15.30.50	海洋工程	marine engineering
22-15.30.53	材料科学与工程	materials engineering
22-15.30.57	专业工程	specialty engineering
22-15.30.57.10	声/放射屏蔽工程	acoustical/emanations shielding engineering
22-15.30.57.20	反恐/物理安全工程	antiterrorism/physical security engineering
22-15.30.57.30	通信工程	communications engineering
22-15.30.57.40	军事工程	military engineering
22-15.35.00	设计支持	design support
22-15.35.05	绿色建筑设计	green building design
22-15.35.10	BIM 设计	BIM design
22-15.35.15	制图	drafting
22-15.35.20	模型制作	model making
22-15.35.25	印刷	printing
22-15.35.30	摄影/录像制作	photography/videography
22-15.40.00	专业设计	specialty design
22-15.40.05	建筑围护结构设计	building envelope design
22-15.40.10	喷泉设计	fountain design
22-15.40.15	完成硬件设计	finish hardware design
22-15.40.20	外型设计	extraterrestrial design
22-15.40.25	卫生服务设计	health services design
22-15.40.25.10	医院设计	hospital design
22-15.40.25.20	疗养院设计	nursing home design
22-15.40.30	基础设施设计	infrastructure design
22-15.40.35	灌溉设计	irrigation design
22-15.40.40	实验室的设计	laboratory design
22-15.40.45	照明设计	lighting design
22-15.40.50	码头设计	marina design
22-15.40.55	环境设计	environmental design

22-15.40.55.10	树木维护	tree preservation
22-15.40.55.20	太阳能设计	solar design
22-15.40.60	交通设计	transportation design
22-15.40.60.10	航空运输设计	air transportation design
22-15.40.60.20	道路运输设计	roadway transportation design
22-15.40.60.30	海洋运输设计	marine transportation design
22-15.40.65	垂直输送设计	vertical conveyance design
22-15.45.00	铁路设计	railway design
22-20.00.00	勘测专业	surveying discipline
22-20.10.00	测量学	surveying
22-20.10.10	制图学	cartography
22-20.10.20	建筑测量	building surveying
22-20.10.30	现场测量	site surveying
22-20.20.00	环境调查	environmental investigation
22-20.20.10	环境影响调查	environmental impact investigation
22-20.20.20	空气质量评价调查	air quality evaluation investigation
22-20.20.30	有害物质调查	hazardous materials investigation
22-20.30.00	水文调查	hydrological investigation
22-20.40.00	岩土工程勘察	geotechnical investigation
22-20.50.00	风险评估	risk assessment
22-25.00.00	项目管理专业	project management disciplines
22-25.05.00	成本估算	cost estimation
22-25.05.10	价值工程	value engineering
22-25.10.00	建议书编制	proposal preparation
22-25.15.00	建筑和工程管理	architectural and engineering management
22-25.20.00	施工管理	construction management
22-25.20.10	工程总承包	general contracting
22-25.20.20	分包	subcontracting

22-25.25.00	调度	scheduling
22-25.30.00	合同管理	contract administration
22-25.35.00	采购管理	procurement administration
22-25.35.10	产品销售	product sales
22-25.35.20	产品营销	product marketing
22-25.35.30	产品采购	product purchasing
22-25.40.00	质量保证	quality assurance
22-25.40.10	施工验收	construction inspection
22-25.40.20	验楼	building inspection
22-25.45.00	物业, 房地产和社区 协会管理	property, real estate, and community association management
22-30.00.00	建设专业	construction
22-30.10.00	房屋建筑工程	building construction engineering
22-30.10.05	工业建筑工程	industrial construction engineering
22-30.10.10	农业建筑工程	agricultural construction engineering
22-30.10.15	公共建筑工程	public construction engineering
22-30.10.20	居住建筑工程	residential building engineering
22-30.10.25	房屋建筑工程施工 其他学科	construction other disciplines
22-30.20.00	市政工程	municipal engineering
22-30.20.05	城市给水排水工程	city water supply and drainage engineering
22-30.20.10	通风与空调工程	ventilation and air-conditioning engineering
22-30.20.15	供热与供燃气工程	heating and gas engineering
22-30.20.20	电讯管道工程	telecommunication pipeline engineering
22-30.20.25	城市系统工程	urban systems engineering
22-30.20.30	市政工程其他学科	municipal engineering other discipline
22-30.30.00	通信工程	communication engineering
22-30.30.10	有线通信工程	wire communication engineering

22-30.30.20	无线通信工程	wireless communication engineering
22-30.30.30	通信工程其他学科	communication engineering other disciplines
22-30.40.00	机电安装工程	electromechanical installation engineering
22-30.40.05	给水、排水工程	water supply and drainage engineering
22-30.40.10	通风工程	ventilation engineering
22-30.40.15	电气工程	electric engineering
22-30.40.20	消防工程	fire-fighting engineering
22-30.40.25	智能控制系统工程	intelligent control systems engineering
22-30.40.30	机电安装工程其他学科	electromechanical installation engineering other disciplines
22-35.00.00	设施使用专业	facility use disciplines
22-35.05.00	房地产	real estate
22-35.05.10	房地产销售	real estate sales
22-35.05.20	房地产评估	property appraising
22-35.05.30	租赁服务	leasing services
22-35.10.00	设施业主	facility owner
22-35.15.00	设施运营	facility operations
22-35.15.10	设施空间规划	facility space planning
22-35.15.15	设施管理	facility management
22-35.15.20	设施运营和维护	facility operation and maintenance
22-35.15.20.03	操作和维护指导	operation and maintenance supervision
22-35.15.20.06	一般运营及维护	general operation and maintenance
22-35.15.20.09	管道工程运营和维护	plumbing operation and maintenance
22-35.15.20.13	消防工程运营和维护	fire protection operation and maintenance
22-35.15.20.16	采暖, 通风, 空调运营与维护	heating, ventilation, and air-conditioning operation and maintenance

22-35.15.20.19	制冷运营与维护	refrigeration operation and maintenance
22-35.15.20.23	电气运营与维护	electrical operation and maintenance
22-35.15.20.26	能源监控和控制运营和维护	energy monitoring and controls operation and maintenance
22-35.15.20.29	水文运营与维护	hydrological operation and maintenance
22-35.15.20.33	防雷运营和维护	lightning protection operation and maintenance
22-35.15.20.36	生命安全运营和维护	life safety operation and maintenance
22-35.15.20.39	辐射防护运营和维护	radiation protection operation and maintenance
22-35.15.20.43	防潮运营和维护	moisture protection operation and maintenance
22-35.15.20.46	室内空气质量评价	indoor air quality evaluation
22-35.15.20.49	通信运营和维护	communications operation and maintenance
22-35.15.20.53	设备屏蔽操作和维护	facility shielding operation and maintenance
22-35.15.20.56	工业机械的运营和维护	industrial machinery operation and maintenance
22-35.15.20.59	家电安装和维护	home appliance instation and maintenance
22-35.15.25	基金的支持服务	facility support services
22-35.15.25.05	建筑清洁	building cleaning
22-35.15.25.10	地毯和室内装潢清洁	carpet and upholstery cleaning
22-35.15.25.15	地面维修工人	grounds maintenance workers
22-35.15.25.20	害虫防治	pest control
22-35.15.25.25	设施安全	facility security
22-35.20.00	设施修复服务	facility restoration services
22-35.20.10	混凝土修复服务	concrete restoration services
22-35.20.20	砌体修复服务	masonry restoration services

22-35.20.30	停车场修复服务	parking restoration services
22-40.00.00	支撑专业	support disciplines
22-40.10.00	法律服务	legal services
22-40.10.05	法规咨询	codes consultation
22-40.10.10	法庭调查	forensic investigation
22-40.10.15	许可	permitting
22-40.10.20	律师	lawyer
22-40.10.25	公证	notary
22-40.20.00	行政及一般咨询	administrative and general consulting
22-40.20.10	公共关系	public relations
22-40.20.10.10	笔译和口译服务	translation and interpretation services
22-40.20.20	运营管理	operations management
22-40.20.20.10	行政服务管理	administrative services management
22-40.20.20.20	计算机和信息系统 管理	computer and information systems management
22-40.30.00	金融	finance
22-40.30.05	银行业	banking
22-40.30.10	会计	accounting
22-40.30.15	保险	insurance
22-40.30.20	采购管理	purchasing management
22-40.30.25	对接服务	bonding
22-40.30.30	薪酬与福利管理	compensation and benefits management
22-40.30.35	人力资源管理	human resources management

附录 K 建筑产品

表 30 建筑产品

类目编码	类目中文名称	类目英文名称
30-01.00.00	混凝土	concrete
30-01.10.00	预制混凝土制品及构件	precast concrete
30-01.10.10	预制混凝土柱	precast concrete column
30-01.10.20	预制混凝土梁	precast concrete beam
30-01.10.30	预制混凝楼板	precast concrete decking
30-01.10.40	预制混凝土墙板	precast concrete wall board
30-01.10.40.10	钢筋混凝土板	reinforced concrete slab
30-01.10.40.20	蒸压加气混凝土板	autoclaved aerated concrete slab
30-01.10.40.30	轻集料混凝土条板	lightweight aggregate concrete panel
30-01.10.50	预制混凝土屋面板	precast concrete roof board
30-01.15.00	商品混凝土	cast-in-place concrete
30-01.15.10	自密实混凝土	self-compacting concrete
30-01.15.20	高强混凝土	high strength concrete
30-01.15.30	泡沫混凝土	foamed concrete
30-01.15.40	防水混凝土	waterproofed concrete
30-01.15.50	防辐射混凝土	radiation shielding concrete
30-10.20.00	水泥及胶凝材料	cement and cementitious material
30-01.20.10	通用硅酸盐水泥	common portland cement
30-01.20.10.10	硅酸盐水泥	portland cement
30-01.20.10.20	普通硅酸盐水泥	ordinary portland cement
30-01.20.10.30	矿渣硅酸盐水泥	portland blast-furnace-slag cement
30-01.20.10.40	火山灰质硅酸盐水泥	portland pozzolana cement
30-01.20.10.50	复合硅酸盐水泥	composite portland cement
30-01.20.10.60	粉煤灰硅酸盐水泥	portland fly-ash cement

30-01.20.20	特种水泥	special cement
30-01.20.20.10	硫铝酸盐水泥	sulphoaluminate cement
30-01.20.20.20	高铝水泥	aluminum cement
30-01.20.20.30	砌筑水泥	masonry cement
30-01.20.20.40	白色硅酸盐水泥	white portland cement
30-01.20.20.50	彩色硅酸盐水泥	coloured cement
30-01.20.30	矿物掺合料	mineral admixture
30-01.20.30.10	硅灰	silica fume
30-01.20.30.20	粒化高炉矿渣粉	ground granulated blast furnace slag
30-01.20.30.30	粉煤灰	fly ash
30-01.20.30.40	硅藻土	diatomite
30-01.25.00	混凝土外加剂	concrete admixture
30-01.25.10	减水剂	water reducing admixture
30-01.25.10.10	高效减水剂	superplasticizer
30-01.25.10.20	缓凝高效减水剂	set retarding superplasticizer
30-01.25.10.30	早强减水剂	hardening accelerating and water reducing admixture
30-01.25.13	引气剂	air entraining admixture
30-01.25.16	早强剂	hardening accelerating admixture
30-01.25.19	防水剂	water-repellent admixture
30-01.25.23	防冻剂	anti-freezing admixture
30-01.25.26	膨胀剂	expanding admixture
30-01.25.29	速凝剂	flash setting admixture
30-01.25.33	泵送剂	pumping aid
30-01.25.36	缓凝剂	set retarder admixture
30-01.25.39	促凝剂	set accelerating admixture
30-01.25.70	其他外加剂	other concrete admixture
30-01.25.70.10	保水剂	water retaining admixture

30-01.25.70.20	絮凝剂	flocculating agent
30-01.25.70.30	增稠剂	viscosity enhancing agent
30-01.25.70.40	减缩剂	shrinkage reducing agent
30-01.25.70.50	保塑剂	plastic retaining agent
30-01.30.00	骨料	aggregate
30-01.30.10	粗骨料	coarse aggregate
30-01.30.20	细骨料	fine aggregate
30-01.30.30	轻骨料	light weight aggregate
30-01.30.40	超轻骨料	super lightweight aggregate
30-01.30.50	再生骨料	recycled aggregate
30-01.35.00	混凝土增强材料	concrete reinforced material
30-01.35.10	钢纤维增强材料	welded wire fabric reinforced concrete
30-01.35.20	合成纤维增强材料	fibrous reinforced concrete
30-01.35.30	碳纤维增强材料	carboform reinforced concrete
30-01.40.00	混凝土维护材料	maintenance material of concrete
30-01.40.10	混凝土修补材料	concrete repair material
30-01.40.20	混凝土防护材料	concrete protection material
30-01.45.00	灌浆材料	grouting material
30-01.45.10	水泥基灌浆材料	cementitious grout
30-01.45.20	环氧树脂灌浆材料	epoxy grouting resin for concrete crack
30-02.00.00	砌体	masonry
30-02.10.00	砖	brick
30-02.10.10	烧结砖	fired brick
30-02.10.10.10	普通砖	common brick
30-02.10.10.20	空心砖	hollow brick
30-02.10.10.30	多孔砖	perforated brick
30-02.10.20	非烧结砖	non-fired brick
30-02.10.20.10	混凝土普通砖	concrete common brick

30-02.10.20.20	混凝土空心砖	concrete hollow brick
30-02.10.20.30	混凝土多孔砖	concrete perforated brick
30-02.10.20.40	蒸压粉煤灰多孔砖	autoclaved lime-sand perforated brick
30-02.10.20.50	蒸压灰砂多孔砖	autoclaved fly ash perforated brick
30-02.20.00	砌块	block
30-02.20.10	普通混凝土小型空心砌块	normal concrete small hollow block
30-02.20.15	轻集料混凝土小型空心砌块	lightweight aggregate concrete small hollow block
30-02.20.20	粉煤灰混凝土小型空心砌块	fly ash concrete small hollow block
30-02.20.25	装饰混凝土砌块	decorative concrete block
30-02.20.30	加气混凝土砌块	aerated concrete block
30-02.20.35	石膏砌块	gypsum block
30-02.30.00	石料	stone
30-02.40.00	砌筑砂浆	masonry mortar
30-02.40.10	混凝土小型空心砌块和混凝土砖砌筑砂浆	masonry mortar for small hollow concrete block & concrete brick
30-02.40.20	蒸压加气混凝土用砌筑砂浆与抹面砂浆	special masonry and plaster mortar for autoclaved aerated concrete
30-03.00.00	金属	metal
30-03.10.00	钢筋	steel rebar
30-03.10.10	光圆钢筋	plain bar
30-03.10.20	螺纹钢	rebar
30-03.10.30	带肋钢筋	rib bar
30-03.10.40	扭转钢筋	torsion rebar
30-03.20.00	钢丝	wire
30-03.20.10	碳素钢丝	carbon steel wire

30-03.20.20	合金钢丝	alloy steel wire
30-03.20.30	冷拔钢丝	cold drawn wire
30-03.20.40	钢丝绳	steel wire rope
30-03.20.50	钢绞线	steel strand
30-03.30.00	型材	section steel
30-03.30.10	热轧型钢	hot rolled section steel
30-03.30.10.10	圆钢	round steel
30-03.30.10.15	方钢	square steel
30-03.30.10.20	扁钢	flat steel
30-03.30.10.25	工字钢	I -beam steel
30-03.30.10.30	槽钢	channel steel
30-03.30.10.35	角钢	angle steel
30-03.30.10.40	T 型钢	t-section steel
30-03.30.20	冷弯型材	cold forming profile
30-03.30.30	挤出型材	extrusion profile
30-03.40.00	板（带）材	metal plate
30-03.40.10	钢板	steel plate
30-03.40.10.10	热轧钢板	hot rolled steel plate
30-03.40.10.20	镀锌钢板	galvanized steel plate
30-03.40.10.30	花纹钢板	decorative design plate
30-03.40.10.40	彩涂钢板	painted steel plate
30-03.40.10.50	钢带材	steel belt
30-03.40.20	不锈钢板	cast iron plate
30-03.40.30	铜板	copper plate
30-03.40.30.10	铜带材	copper belt
30-03.40.30.20	铜箔	copper foil
30-03.50.00	棒材	metal rod
30-03.50.10	铜棒材	copper rod

30-03.50.20	不锈钢棒材	cast iron rod
30-03.50.30	铝棒材	aluminum rod
30-03.60.00	线材	metal wire
30-03.60.10	铜线材	copper wire
30-03.60.20	铝线材	aluminum wire
30-03.70.00	管材	metal pipe
30-03.70.10	铸铁管	cast iron pipe
30-03.70.20	不锈钢管	stainless steel pipe
30-03.70.30	铜管	copper pipe
30-03.70.40	铝管	aluminum pipe
30-03.70.50	铝合金管	aluminum alloy pipe
30-03.80.00	金属制品	metal product
30-03.80.10	金属楼梯	metal stair
30-03.80.20	金属栏杆	metal railing
30-03.80.30	金属格栅	metal grating
30-03.80.40	金属地板	metal floor plate
30-03.80.50	金属紧固件	metal fastener
30-04.00.00	木结构	wood structure
30-04.10.00	方木、原木结构	rough sawn and round timber structure
30-04.10.10	屋面木基层	wood-based roof
30-04.10.20	木梁和木柱	wood beam and pillar
30-04.10.30	木桁架	wood truss
30-04.10.40	木支撑	wood support
30-04.20.00	胶合木结构	glued-laminated timber structure
30-04.20.10	层板胶合木	glued laminated timber
30-04.30.00	轻型木结构	light wood frame construction
30-04.30.10	木构架墙	wood frame wall construction
30-04.30.20	木楼盖	wood decking

30-04.30.30	木屋盖	wood roof decking
30-05.00.00	膜结构	membrane structure
30-05.10.00	膜材料	membrane material
30-05.20.00	膜面索	cable installed in membrane
30-05.30.00	膜材料制品	membrane products
30-05.40.00	锚具	anchorage
30-10.00.00	保温隔热	thermal insulation and heat-resistant
30-10.10.00	保温系统材料	thermal insulation system for exterior wall
30-10.10.10	外墙外保温系统	external thermal insulation system for exterior wall
30-10.10.10.10	粘贴保温板外保温系统	paste insulation board external thermal insulation system
30-10.10.10.15	胶粉 EPS 颗粒保温浆料 外保温系统	insulating mortar consisting of gelatinous powder and eps external thermal insulation system
30-10.10.10.20	EPS 板现浇混凝土外保温系统	eps board in-situ concrete external thermal insulation system
30-10.10.10.25	EPS 钢丝网架板现浇混凝土外保温系统	eps board with metal network in-situ concrete external thermal insulation system
30-10.10.10.30	胶粉 EPS 颗粒浆料贴砌 EPS 板外保温系统	bricklaying eps board with insulating mortar consisting of gelatinous powder and expanded polystyrene pellets external thermal insulation system
30-10.10.10.35	现场喷涂硬泡聚氨酯外保温系统	spot spraying polyurethane foam external thermal insulation system
30-10.10.10.40	保温装饰板外保温系统	thermal insulation decorative board

		external thermal insulation system.
30-10.10.20	外墙内保温系统	interior thermal insulation systems for exterior wall
30-10.10.20.10	复合板内保温系统	interior insulation composite panel system
30-10.10.20.15	有机保温板内保温系统	interior insulation system based on organic thermal insulation panel
30-10.10.20.20	无机保温板内保温系统	interior insulation system based on inorganic thermal insulation panel
30-10.10.20.25	保温砂浆内保温系统	interior insulation system based on thermal insulation mortar
30-10.10.20.30	喷涂硬泡聚氨酯内保温系统	polyurethane spray foam interior thermal insulation system
30-10.10.20.35	龙骨固定内保温系统	interior insulation system with lightgauge steel joist as framework
30-10.10.30	外墙夹芯保温系统	sandwich thermal insulation systems for exterior wall
30-10.20.00	绝热材料	the thermal insulation material
30-10.20.10	模塑聚苯板	expanded polystyrene board
30-10.20.15	挤塑聚苯板	extruded polystyrene foam board
30-10.20.20	聚氨酯泡沫塑料板	polyurethane foam board
30-10.20.25	酚醛树脂板	phenolic foam board
30-10.20.30	岩棉板	rock wool board
30-10.20.35	玻璃棉板	glass wool board
30-10.20.40	胶粉聚苯颗粒保温浆料	mineral binder and expanded polystyrene granule insulating plaster
30-10.20.45	泡沫玻璃板	cellular glass board
30-10.20.50	膨胀珍珠岩	expanded perlite
30-10.20.55	膨胀玻化微珠	expanded and vitrified cenosphere

30-10.30.00	隔热材料	the heat-resistant material
30-10.30.10	隔热涂料	heat-resistant coating
30-10.30.20	隔热反射膜	heat-resistant reflectance membrane
30-11.00.00	防水、防潮及密封	dampproofing and waterproofing
30-11.10.00	防水卷材	sheet waterproofing
30-11.10.10	聚合物改性沥青防水卷材	polymer modified bituminous waterproof sheet
30-11.10.10.10	弹性体改性沥青防水卷材	styrene butadiene styrene modified asphalt sheet waterproofing
30-11.10.10.20	塑性体改性沥青防水卷材	atactic polypropylene modified asphalt sheet waterproofing
30-11.10.10.30	自粘聚合物改性沥青防水卷材	self-adhesive polymer modified bituminous waterproof sheet
30-11.10.10.40	预铺/湿铺防水卷材(沥青基)	pre-applied and wet installed waterproof sheet(asphalt-based)
30-11.10.10.50	耐根穿刺防水卷材(沥青基)	root penetration resistance of waterproof sheets(asphalt-based)
30-11.10.20	合成高分子防水卷材	high polymer waterproof sheet
30-11.10.20.10	TPO/TPV 防水卷材	tpo sheet
30-11.10.20.15	聚氯乙烯(PVC)防水卷材	polyvinyl chloride sheet
30-11.10.20.20	三元乙丙橡胶(EPDM)防水卷材	ethylene-propylene-diene monomer rubber sheet
30-11.10.20.25	氯化聚乙烯-橡胶共混防水卷材	waterproof sheet of chlorinated polyethylene blender with rubber
30-11.10.20.30	氯化聚乙烯(CPE)防水卷材	chlorinated polyethylene plastic sheets for waterproofing
30-11.10.20.35	预铺/湿铺防水卷材(非	pre-applied and wet installed waterproof

	沥青基)	sheet(non-asphalt-based)
30-11.10.20.40	带自粘层的防水卷材	waterproof sheet with self –adhering layer
30-11.10.20.45	耐根穿刺防水卷材 (非沥青基)	root penetration resistance of waterproof sheets(non-asphalt-based)
30-11.10.30	聚乙烯丙纶防水卷材 (复合防水)	polyvinyl chloride polypropylene sheet (composite waterproof)
30-11.20.00	防水涂料	waterproofing coating
30-11.20.10	聚合物改性沥青防水涂料	polymer modified asphalt waterproofing coating
30-11.20.10.10	溶剂型橡胶沥青防水涂料	solvent for rubber asphalt water-resistance coating
30-11.20.10.20	水乳型沥青防水涂料	emulsified asphalt waterproof coating
30-11.20.10.30	橡胶沥青防水涂料	rubber asphalt waterproof coating
30-11.20.10.40	非固化沥青防水涂料	non-cured asphalt waterproof coating
30-11.20.20	合成高分子防水涂料	high polymer waterproof coating
30-11.20.20.10	聚合物乳液建筑防水涂料	polymer emulsion architectural waterproof coating
30-11.20.20.20	聚氨酯防水涂料	polyurethane waterproofing coating
30-11.20.20.30	聚脲防水涂料	polyurea waterproofing coating
30-11.20.30	聚合物水泥防水涂料	polymer cement-based waterproof coating
30-11.30.00	水泥基渗透结晶型防水材料	cementious capillary crystalline waterproofing material
30-11.40.00	密封材料	sealing material
30-11.40.10	无定形密封材料	amorphous sealing material
30-11.40.10.10	硅酮建筑密封胶	silicone sealant for building
30-11.40.10.20	聚氨酯建筑密封胶	polyurethane sealant for building
30-11.40.10.30	丙烯酸酯建筑密封胶	acrylic sealant for building
30-11.40.10.40	聚硫建筑密封胶	polysulfide sealant for building

30-11.40.10.50	腻子型遇水膨胀橡胶	putty hydrophilic expansion rubber
30-11.40.20	定形密封材料	stereotype sealing material
30-11.40.20.10	橡胶止水带	rubber waterstop
30-11.40.20.20	钢板止水带	steel penal waterstop
30-11.40.20.30	制品型遇水膨胀橡胶	hydrophilic expansion rubber
30-11.50.00	防水透气膜	waterproof and air permeable membrane
30-11.60.00	堵漏、灌浆材料	waterproof and leakage-preventing and grouting material
30-11.60.10	无机防水堵漏材料	inorganic waterproof and leakage-preventing material
30-11.70.00	屋面瓦	tiles
30-11.70.10	混凝土瓦	concrete tiles
30-11.70.20	烧结瓦	fired roof tiles
30-11.70.30	玻纤胎沥青瓦	fiberglass reinforcement asphalt shingle
30-11.70.40	合成树脂瓦	synthetic resin
30-11.70.50	金属瓦	metal shakes
30-12.00.00	防火、防腐	fire resistive and antiseptics
30-12.10.00	防火材料	fire resistive material
30-12.10.10	钢结构防火涂料	fire resistive coating for steel structure
30-12.10.20	饰面型防火涂料	finishing fire retardant paint
30-12.10.30	混凝土结构防火涂料	fire resistive coating for concrete structure
30-12.10.30	防火板材	fire resistive board
30-12.10.40	防火封堵材料	fire stopping material
30-12.10.50	防火玻璃	fire resistant glass
30-12.10.50.10	复合防火玻璃	laminated fire-resistant glass
30-12.10.50.20	单片防火玻璃	monolithic fire-resistant glass
30-12.20.00	防腐材料	antiseptics material
30-12.20.10	钢结构防腐材料	anticorrosive materials for steel structure

30-12.20.10.10	底漆	primer
30-12.20.10.20	中间漆	intermediate coating
30-12.20.10.30	面漆	finishing coat
30-12.20.20	木结构防腐材料	anticorrosive materials for wood structure
30-13.00.00.	门窗、幕墙	doors , windows and curtain wall
30-13.10.00	建筑门窗	doors and windows for building
30-13.10.10	金属门窗	metal door and window
30-13.10.10.10	铝合金门窗	aluminum door and window
30-13.10.10.20	钢门窗	steel door and window
30-13.10.15	木门窗	wooden door and window
30-13.10.15.10	实木门窗	door and window made of solid wood
30-13.10.15.20	实木复合门窗	door and window made of solid wood and overlaid with decorative veneers
30-13.10.15.30	木质复合门窗	door and window made of solid wood and wood-based panels
30-13.10.20	塑料门窗	plastic door and window
30-13.10.20.10	未增塑聚氯乙烯塑料门窗	pvc-u door and window
30-13.10.25	玻璃钢门窗	fiberglass reinforced plastic door and window
30-13.10.30	复合门窗	composite door and window
30-13.10.30.10	铝塑复合门窗	aluminum-plastic composite door and window
30-13.10.30.20	铝木复合门窗	wood-aluminum composite door and window
30-13.10.30.30	钢木复合门窗	steel-wooden composite door and window
30-13.10.35	特种门窗	special door and window
30-13.10.35.10	自动门	automatic door

30-13.10.35.15	卷帘门窗和格栅	rolling door , window and grilles
30-13.10.35.20	防盗门	security door
30-13.10.35.25	防火门	fireproof door
30-13.10.35.30	防辐射门窗	radiation door and window
30-13.10.35.35	逃生门窗	escape door and window
30-13.10.35.40	围墙大门	gates recoiling
30-13.10.35.45	传递窗	pass box
30-13.10.35.50	滑升门	sliding doors
30-13.10.35.55	上滑道车库门	sectional garage door
30-13.10.35.60	工业滑升门	industrial sectional door
30-13.10.40	天窗	skylights
30-13.10.45	纱门窗	screen doors and windows
30-13.10.50	百叶窗及格栅	shutter and grille
30-13.20.00	建筑幕墙	curtain wall for building
30-13.20.10	玻璃幕墙	glass curtain wall
30-13.20.10.10	构件式玻璃幕墙	stick glass curtain wall
30-13.20.10.20	点支承玻璃幕墙	point supported glass curtain wall
30-13.20.10.30	全玻璃幕墙	full glass curtain wall
30-13.20.15	石材幕墙	natural stone panle curtain wall
30-13.20.20	金属板幕墙	metal panle curtain wall
30-13.20.25	人造板幕墙	artificial panle curtain wall
30-13.20.30	单元式幕墙	unitized curtain wall
30-13.20.35	光电幕墙	photoelectricity curtain wall
30-13.20.40	双层幕墙	double-layer curtain wall
30-13.20.45	幕墙面板	panels for curtain wall
30-13.20.45.10	玻璃	glass
30-13.20.45.15	金属板	metal panle
30-13.20.45.20	石材板	natural stone panle

30-13.20.45.25	水泥板	cement board
30-13.20.45.30	陶板	terra-cotta panle
30-13.20.45.35	瓷板	porcelain panle
30-13.30.00	五金件	hardware
30-13.30.10	执手	handle
30-13.30.10.10	单面执手	single handle
30-13.30.10.20	双面执手	double handle
30-13.30.13	合页(铰链)	hinge
30-13.30.16	传动锁闭器	locking gear
30-13.30.16.10	单点锁闭器	single point locking gear
30-13.30.16.20	多点锁闭器	multipoint locking gear
30-13.30.19	滑撑	friction hinge
30-13.30.23	撑挡	stay arm
30-13.30.26	滑轮	roller
30-13.30.29	插销	latch bolt
30-13.30.33	摩擦铰链	friction hinge
30-13.30.36	门锁	gate lock
30-13.30.39	门吸	door stopper
30-13.30.43	闭门器	door closer
30-13.30.46	地弹簧	floor spring
30-13.30.49	平开门推杆装置	panic devices operated by a horizontal bar
30-13.30.53	门夹	patch fitting
30-13.30.56	拉手	pull handle
30-13.40.00	配件	assemblies
30-13.40.10	门禁系统	entrance guard system
30-13.40.13	密封胶条	sealing joint strip
30-13.40.16	密封毛条	seal wooltop
30-13.40.19	密封胶	sealant

30-13.40.23	通风器	ventilator
30-13.40.26	开窗器	windows opener
30-13.40.29	背栓	back bolt
30-13.40.33	挂件	fixing metal system
30-13.40.36	连接件	connection
30-13.40.39	拉杆	tension rod member
30-13.40.43	锚栓	anchor
30-13.40.46	埋件	embedded part
30-13.40.49	驳接件	spiders pieces
30-13.40.53	转接件	adapter
30-13.40.56	夹具	fixture
30-13.40.59	钢索	metal chain
30-13.40.63	索具	rigging
30-13.40.66	吊挂件	rigging
30-14.00.00	建筑玻璃	glass for building
30-14.10.00	平板玻璃	flat glass
30-14.10.10	透明玻璃	clear glass
30-14.10.20	着色玻璃	tinted glass
30-14.10.30	压花玻璃	patterned glass
30-14.10.40	夹丝玻璃	wired glass
30-14.20.00	深加工玻璃	deep processing of glass
30-14.20.10	安全玻璃	safety glass
30-14.20.10.10	防火玻璃	fire resistant glass
30-14.20.10.20	夹层玻璃	laminated glass
30-14.20.10.30	钢化玻璃	tempered galss
30-14.20.10.40	均质钢化玻璃	heat soaked thermally tempered glass
30-14.20.15	磨砂或喷砂玻璃	sand blasted or frosted glass
30-14.20.20	真空玻璃	vacuum glazing

30-14.20.25	印刷玻璃	printed glass
30-14.20.30	中空玻璃	insulating glass unit(igu)
30-14.20.35	半钢化玻璃	heat strengthened glass
30-14.20.40	镀膜玻璃	coated glass
30-14.20.45	贴膜玻璃	film mounted glass
30-14.20.50	隔热涂膜玻璃	insulation coating glass
30-14.30.00	特种玻璃	particular glass
30-14.30.10	防弹玻璃	bullet resistant glazing
30-14.30.15	防爆玻璃	blast resistant composite glass
30-14.30.20	电磁屏蔽玻璃	electromagnetic shielding glass
30-14.30.25	光伏玻璃	photovoltaic glass
30-14.30.30	耐热玻璃	heat resistant glass
30-14.30.35	滤光玻璃	filter glass
30-14.40.00	特殊玻璃	special glass
30-14.40.10	U 型玻璃	channel shape glass
30-14.40.20	玻璃马赛克	glass mosaic
30-14.40.30	空心玻璃砖	hollow glass block
30-15.00.00	室内外装修	finishes
30-15.10.00	建筑涂料	building coating
30-15.10.10	内墙涂料	interior wall coating
30-15.10.10.10	合成树脂乳液内墙涂料	synthetic resin emulsion coating for interior wall
30-15.10.10.20	合成树脂乳液砂壁状内墙涂料	sand textured coating based on synthetic resin emulsion for interior wall
30-15.10.10.30	内墙弹性涂料	elastomeric wall coatings for interior wall
30-15.10.10.40	内墙无机涂料	inorganic coating for interior wall
30-15.10.10.50	特种涂料	special coating
30-15.10.15	外墙涂料	exterior wall coating

30-15.10.15.10	外墙无机建筑涂料	inorganic building coating for exterior wall
30-15.10.15.15	溶剂型外墙涂料	solvent-thinned coating for exterior wall
30-15.10.15.20	合成树脂乳液外墙涂料	synthetic resin emulsion coating for exterior wall
30-15.10.15.25	合成树脂乳液砂壁状外墙涂料	sand textured coating based on synthetic resin emulsion for exterior wall
30-15.10.15.30	复层涂料	multi-layer coating
30-15.10.15.35	外墙弹性涂料	elastomeric wall coating for exterior wall
30-15.10.15.40	反射隔热涂料	reflective thermal insulation coating
30-15.10.15.45	交联型氟树脂涂料	crosslinking fluorocarbon resin coating
30-15.10.15.50	水性氟涂料	water based fluororesin coating
30-15.10.20	地坪涂料	floor coating
30-15.10.20.10	环氧树脂地面涂层材料	epoxy resin floor coating
30-15.10.20.20	聚氨酯类地面涂料	polyurethane floor coating
30-15.10.25	木器涂料	coating for woodenware
30-15.10.25.10	水性木器涂料	water based coating for woodenware
30-15.10.25.20	溶剂型木器涂料	solvent coating for woodenware
30-15.10.25.30	天然树脂木器涂料	natural resin coating for woodenware
30-15.10.30	涂装配套材料	supporting material of painting
30-15.10.30.10	内墙用底漆	primer for interior wall
30-15.10.30.20	外墙用底漆	primer for exterior wall
30-15.10.30.30	内墙用腻子	putty for interior wall
30-15.10.30.40	外墙用腻子	putty for exterior wall
30-15.10.35	柔性饰面砖	flexible tile for decoration
30-15.15.00	壁纸（壁布）	wall paper
30-15.20.00	地毯	rugs and mats
30-15.20.10	手工地毯	hand-made carpe

30-15.20.20	机制地毯	machine-made carpe
30-15.25.00	陶瓷砖	ceramic tile
30-15.25.10	陶瓷板	ceramic sheet board
30-15.25.20	陶瓷马赛克	ceramic mosaic
30-15.25.30	陶瓷砖	ceramic tile
30-15.25.30.10	室内陶瓷砖	indoor ceramic tile
30-15.25.30.20	室外陶瓷砖	outdoor ceramic tile
30-15.25.40	特种功能陶瓷砖	special functional ceramic tile
30-15.30.00	木质材料	wood material
30-15.30.10	木质地板	wood floor
30-15.30.10.10	实木地板	solid wood flooring
30-15.30.10.20	实木复合地板	parquet
30-15.30.10.30	强化木地板	laminare flooring
30-15.30.10.40	竹材地板	bamboo flooring
30-15.30.10.50	软木地板	cork flooring
30-15.30.20	木质人造板	wood-based panel
30-15.30.20.10	胶合板	plywood
30-15.30.20.20	纤维板	fiberboard
30-15.30.20.30	刨花板	particleboard
30-15.30.20.40	细木工板	blockboard
30-15.30.20.50	饰面人造	decorated wood-based panel
30-15.30.30	防腐木	preservative treated wood
30-15.30.30.10	天然防腐木	natrual preservative treated wood
30-15.30.30.20	炭化防腐木	carbonized wood
30-15.30.30.30	人工防腐木	artificial preservative treated wood
30-15.30.40	木塑复合材料	wood-plastic composite
30-15.35.00	装饰石材	decorative stone
30-15.35.10	天然石材	natural stone

30-15.35.10.10	大理石	marble
30-15.35.10.20	花岗岩	granite
30-15.35.10.30	石灰岩	limestone
30-15.35.20	人造石材	artificial stone
30-15.35.30	石材复合材料	complex stone veneer
30-15.40.00	金属装饰材料	metal decorative material
30-15.40.10	钢板及复合板	armor plate and composite plate
30-15.40.10.10	不锈钢板	stainless steel sheet
30-15.40.10.20	彩色涂层钢板	prepainted steel sheet
30-15.40.10.30	压型金属板	profiled metal sheet
30-15.40.10.40	金属装饰保温板	thermal insulation panel with metal decorating
30-15.40.20	金属装饰网	decoration website
30-15.40.30	铝合金及其复合板	aluminum alloys and composite board
30-15.40.30.10	铝蜂窝板	aluminum honeycomb sandwich board
30-15.40.30.20	铝合金板	aluminum alloy board
30-15.40.30.30	铝塑复合板	composite aluminum and plastic decking
30-15.40.40	铜板（及其复合板）	copperplate
30-15.40.50	钛锌板（及其复合板）	titanium-zinc sheet
30-15.45.00	矿物棉及石膏类装饰材料	mineral wool and plasterboard
30-15.45.10	矿物棉板	mineral wool panel
30-15.45.10.10	矿棉板	mineral wool panel
30-15.45.10.20	玻璃纤维板	glass fibre board
30-15.45.20	石膏板	plasterboard
30-15.45.20.10	装饰石膏板	decorated gypsum board
30-15.45.20.20	纤维石膏板	fiber gypsum board
30-15.45.20.30	吸声用穿孔石膏板	perforated gypsum board for acoustic use

30-15.45.20.40	纸面石膏板	gypsum board
30-15.45.20.50	石膏空心条板	gypsum panel with cavity
30-15.50.00	水泥及硅酸盐类板材	cement and silicate plate
30-15.50.10	纤维增强水泥板	glass fiber reinforced cement wall panel
30-15.50.20	纤维增强硅酸钙板	fiber reinforced calcium silicate panel
30-15.55.00	龙骨	joist
30-15.55.10	木龙骨	wood joist
30-15.55.20	轻钢龙骨	light gage steel joist
30-15.55.30	铝合金龙骨	aluminum alloy joist
30-15.55.40	钢龙骨	steel joist
30-15.55.50	烤漆龙骨	varnish joist
30-15.60.00	特殊功能地面	special function floor
30-15.60.10	弹性地材	resilient flooring
30-15.60.10.10	PVC 地板	polyvinyl chloride floor
30-15.60.10.20	亚麻地板	flax floor
30-15.60.10.30	橡胶地板	rubber floor
30-15.60.15	地垫	ground mat
30-15.60.20	采暖地板	heating floor
30-15.60.25	抗静电地板	anti-static wood based floor
30-15.60.30	水泥现制类地面	cement floor
30-15.60.30.10	自流平地面	self-leveling floor
30-15.60.30.20	耐磨地面	abrasion resistance floor
30-15.60.35	透水地面	water permeable ground
30-15.60.40	种植地面	planting ground
30-15.60.45	运动地面	sports ground surface layer
30-15.65.00	装修用胶粘剂	adhesive
30-15.65.10	地板胶粘剂	adhesive for floor
30-15.65.20	干挂石材幕墙用环氧胶	epoxy adhesive for dry-fixing stone

	粘剂	curtain wall
30-15.65.30	陶瓷墙地砖胶粘剂	adhesives for ceramic wall and floor tiles
30-15.70.00	基层处理材料	base treatment material
30-15.70.10	水泥基自流平砂浆	cement self-leveling floor mortar
30-15.70.15	地面砂浆	ground mortar
30-15.70.20	抹面砂浆	surface mortar
30-15.70.25	混凝土界面剂	interface treating agent for concrete
30-15.70.30	粉刷石膏	gypsum plaster
30-15.75.00	装修配套材料	accessories for decoration
30-15.75.10	嵌缝材料	joint material
30-15.75.20	粘结石膏	gypsum binder
30-15.75.30	装饰线条	moulding
30-16.00.00	专用建筑制品	specialties
30-16.10.00	建筑标识制品	information specialties
30-16.10.10	展示板	visual display surface
30-16.10.20	商品陈列柜台	display case
30-16.10.30	指示牌	directories
30-16.10.40	标牌	signage
30-16.20.00	排气道	exhaust passage
30-16.20.10	厨房排气道	kitchen exhaust passage
30-16.20.20	卫生间排气道	bathroom exhaust passage
30-16.30.00	隔断	partition
30-16.30.10	活动隔断	movable partition
30-16.30.20	固定隔断	fixed partition
30-16.30.30	卫生间隔断	bathroom partition
30-16.40.00	遮阳制品	solar shading product
30-16.40.10	室内遮阳制品	internal solar shading product
30-16.40.10.10	室内天篷帘	internal sky-light blind

30-16.40.10.20	室内百叶帘	internal venetian blind
30-16.40.10.30	室内折叠帘	internal folded blind
30-16.40.10.40	室内软卷帘	internal roller blind
30-16.40.20	室外遮阳制品	external solar shading product
30-16.40.20.10	室外遮阳篷	external awning
30-16.40.20.20	室外天篷帘	external sky-light blind
30-16.40.20.30	室外百叶帘	external venetian blind
30-16.40.20.40	室外硬卷帘	external roller shutter
30-16.40.20.50	室外遮阳板	external building panel for solar shading
30-16.40.30	中间遮阳制品	middle solar shading product
30-16.40.30.10	内置遮阳中空玻璃制品	sealed insulating glass unit with shading inside
30-16.50.00	雨篷制品	storm panel
30-16.60.00	变形缝制品	movement joint
30-16.60.10	沉降缝制品	settlement joint
30-16.60.20	抗震缝制品	aseismatic joint
30-16.60.30	伸缩缝制品	expansion joint
30-16.70.00	太阳能光伏制品及构件	solar photovoltaic product and component
30-16.70.10	太阳能光伏制品	solar photovoltaic product
30-16.70.20	太阳能光伏构件	solar photovoltaic component
30-17.00.00	家具、陈设	furnishing
30-17.10.00	工艺品	art
30-17.10.10	摆件	goods of furniture for display rather than for use
30-17.10.20	雕塑	sculpture
30-17.15.00	窗装饰	window treatment
30-17.15.15	窗帘	window shade
30-17.15.25	窗帘盒	pelmet

30-17.15.30	窗帘杆	curtain rod
30-17.20.00	箱柜	casework
30-17.20.10	金属箱柜	manufactured metal casework
30-17.20.20	木制箱柜	manufactured wood casework
30-17.20.30	塑料箱柜	manufactured plastic casework
30-17.25.00	厨房制品	kitchen accessories
30-17.25.10	厨房家具	kitchen furniture
30-17.25.20	厨房设备	kitchen equipment
30-17.25.20.10	洗涤槽	washing sink
30-17.25.20.15	消毒柜	disinfector
30-17.25.20.17	烤箱	roaster oven
30-17.25.20.19	微波炉	microwave oven
30-17.25.20.23	吸油烟机	smoke extractor
30-17.25.20.27	冰箱	refrigerator
30-17.30.00	卫生间配套设备	toilet and bath accessories
30-17.30.10	洗浴器	bathing device
30-17.30.10.10	玻璃纤维增强塑料浴缸	glass fiber reinforced plastic bathtub
30-17.30.10.15	搪瓷浴缸	enamel bathtub
30-17.30.10.20	亚克力浴缸	acrylic bathtub
30-17.30.10.25	陶瓷浴缸	ceramic bathtub
30-17.30.10.30	人造大理石浴缸	artificial marble bathtub
30-17.30.10.35	淋浴器	sprinkler
30-17.30.15	便器	toilet bowl
30-17.30.15.10	座便器	toilet
30-17.30.15.15	蹲便器	squatting pan
30-17.30.15.20	小便器	urinal
30-17.30.20	妇洗器	bidet
30-17.30.25	墩布池	mop sink

30-17.30.30	洗面器	washbasin
30-17.30.35	卫生间家具	bathroom furniture
30-17.30.35.10	浴室柜	bathroom cabinet
30-17.30.35.20	浴室镜	bathroom mirror
30-17.30.40	附属配件	bathroom accessories
30-17.30.40.10	水嘴	faucet
30-17.30.40.15	水箱	water tank
30-17.30.40.20	冲水阀	flush valve
30-17.30.40.25	地漏	floor drain
30-17.30.40.30	浴巾架	towel rack
30-17.30.40.35	扶手	handrail
30-17.30.40.40	卷纸器	paper winder
30-17.30.40.45	干手器	hand dryer
30-17.30.40.50	洗衣机托盘	laundry tray
30-17.30.45	淋浴房	shower room
30-17.35.00	家具	furniture
30-17.35.10	桌几、桌台	table
30-17.35.20	箱	chest
30-17.35.30	柜架	the cabinet frame
30-17.35.40	专用家具	special furniture
30-17.35.40.10	实验室家具	laboratory furniture
30-17.35.40.20	体育馆家具	stadium furniture
30-17.40.00	座椅	seating
30-17.40.10	固定式观众座椅	fixed audience seating
30-17.40.15	可移动观众座椅	portable audience seating
30-17.40.20	露天看台座椅	stadium and arena seating
30-17.40.25	多功能固定座椅	multiple-use fixed seating
30-17.40.30	可拉伸座椅	telescoping stand

30-17.40.35	靠背长台椅	pews and benche
30-17.40.40	桌椅配件	seat and table assemblies
30-17.60.00	其他装饰	other furniture
30-17.60.10	室内植物	interior planters and artificial plants
30-17.60.20	场地设施	site furnishing
30-17.60.20.10	自行车架	bycycle rack
30-17.60.20.20	人造水池	manufactured planter
30-18.00.00	专用建筑	special construction
30-18.10.00	成品房	integrated construction
30-18.10.10	预制木结构成品房	prefabricated wood structural integrated construction
30-18.10.20	预制钢结构成品房	prefabricated steel structural integrated construction
30-18.10.30	混合结构房屋	prefabricated composite structural integrated construction
30-18.20.00	专用建筑设施	special facility component
30-18.20.10	游泳池	swimming pool
30-18.20.20	喷泉	fountain
30-18.20.30	溜冰场	ice rink
30-18.30.00	专用功能房间	special purpose room
30-18.30.10	环境监控室	controlled environment room
30-18.30.20	整体厨房	unit kitchen
30-18.30.30	整体卫生间	unit bathroom
30-19.00.00	传输设备	conveying equipment
30-19.10.00	电梯	elevator
30-19.10.10	货梯	freight elevator
30-19.10.20	客梯	passenger elevator
30-19.10.30	杂物电梯	service elevator

30-19.10.40	轿厢	elevator cab
30-19.10.50	轿厢内装部件	elevator cabs finishes
30-19.10.60	电梯设备与控制系统	elevator equipment and control
30-19.10.60.10	电梯门	elevator door
30-19.10.60.20	电梯控制系统	elevator control
30-19.10.60.30	电梯设备	elevator equipment
30-19.20.00	自动扶梯和自动人行道	escalators and passenger conveyor
30-19.20.10	自动扶梯	escalator
30-19.20.20	自动人行道	moving walk
30-19.30.00	升降机	lift
30-19.30.10	人员升降机	people lift
30-19.30.20	轮椅升降机	wheelchair lift
30-19.30.20.10	轮椅倾斜升降机	inclined wheelchair lift
30-19.30.20.20	轮椅垂直升降机	vertical wheelchair lift
30-19.30.30	平台升降机	platform lift
30-19.30.30.10	乐队提升机	orchestra lift
30-19.30.30.20	舞台提升机	stage lift
30-19.30.40	楼道升降机	stairlift
30-19.40.00	小型货运升降机	dumbwaiter
30-19.40.10	手动小型货运升降机	manual
30-19.40.20	电动小型货运升降机	electric
30-19.40.30	液压小型货运升降机	hydraulic
30-19.50.00	转台	turntable
30-19.50.10	工业转台	industrial turntable
30-19.50.10.10	车辆转台	vehicle turntable
30-19.50.20	食物转台	hospitality turntable
30-19.50.20.10	饭店食物转台	restaurant turntable
30-19.50.30	展览会转台	exhibit turntable

30-19.50.30.10	展示转台	display turntable
30-19.50.40	娱乐转台	entertainment turntable
30-19.50.40.10	舞台转台	stage turntable
30-19.70.00	其他传输设备	other conveying equipment
30-19.70.10	传送带设施	facility chutes
30-19.70.20	气动导管传输系统	pneumatic tube system
30-20.00.00	专用设备	equipment
30-20.10.00	机械式停车设备	mechanical parking equipment
30-20.15.00	无障碍设施	barrier-free facilitie
30-20.15.10	坡道	ramp
30-20.15.20	防撞扶手	crashproof handrail
30-20.15.30	盲人标识	blind identification
30-20.20.00	商用设备	commercial equipment
30-20.20.10	商品服务设备	mercantile and service equipment
30-20.20.20	建筑物维护设备	maintenance equipment
30-20.20.30	商用厨房设备	unit kitchen
30-20.20.40	办公设备	office equipment
30-20.20.50	邮政、包装和运输设备	postal, packaging, and shipping equipment
30-20.25.00	住宅用设备	residential equipment
30-20.25.10	住宅电器	residential appliance
30-20.25.20	伸缩楼梯	retractable stair
30-20.30.00	教育和科研设备	educational and scientific equipment
30-20.30.10	图书管理设备	library equipment
30-20.30.20	视听设备	audio-visual equipment
30-20.30.30	实验室设备	laboratory equipment
30-20.30.40	天文馆设备	planetarium equipment
30-20.30.50	展览用设备	exhibit equipment
30-20.35.00	娱乐设备	entertainment equipment

30-20.35.10	舞台剧场设备	theater and stage equipment
30-20.35.20	音乐器材	musical equipment
30-20.35.30	康体休闲设备	athletic and recreational equipment
30-20.35.40	娱乐场设备和设施	play field equipment and structure
30-20.40.00	医疗设备	healthcare equipment
30-20.40.10	医用消毒设备	medical sterilizing equipment
30-20.40.20	检查和治疗设备	examination and treatment equipment
30-20.40.30	护理设备	patient care equipment
30-20.40.40	停尸室设备	mortuary equipment
30-20.45.00	垃圾处理设备	garbage processing equipment
30-20.45.10	固体废物处理设备	solid waste handling equipment
30-20.45.20	垃圾渗滤液处理设备	the leachate treatment facility
30-20.50.00	银行系统设备	banking system equipment
30-20.50.10	安全，安保和银行设备	security, detention and banking equipment
30-20.50.20	储存设备	vault equipment
30-20.50.30	出纳服务设备	teller and service equipment
30-20.70.00	其他专用设备	other equipment
30-20.70.10	宗教设施	religious equipment
30-20.70.20	农业设备	agricultural equipment
30-20.70.30	园林设备	horticultural equipment
30-21.00.00	室外制品	exterior product
30-21.10.00	基层，石渣和铺路材料	bases, ballasts, and paving
30-21.10.10	广场砖	square brick
30-21.10.20	路面砖	paving brick
30-21.10.20.10	透水路面砖	water permeable brick
30-21.10.30	路缘石和排水沟	curbs and gutter
30-21.10.40	运动地坪	sports flooring
30-21.20.00	场地制品	site products

30-21.20.10	围栏	fence
30-21.20.15	大门	gate
30-21.20.20	挡土墙	retaining wall
30-21.20.25	屏蔽装置	screening device
30-21.20.25.10	体育围网	sports fence
30-21.30.00	公共服务设施	public service facility
30-21.30.10	标识	sign
30-21.30.15	旗杆	flagpole
30-21.30.20	电杆	pole
30-21.30.20.10	混凝土电杆	concrete pole
30-21.30.20.10	木质电杆	wooden pole
30-21.30.25	灯杆	lamp standard
30-21.30.30	工艺塔	process column
30-21.30.35	垃圾箱	garbage bin
30-21.30.40	信报箱	cabinet
30-21.30.45	公告栏	bulletin board
30-21.30.50	室外座椅、座凳	outdoor chair、stool
30-21.30.55	景观、小品、凉亭	landscape、sketch、the pavilion
30-30.00.00	消防	fire suppression
30-30.10.00	水消防系统	water-based fire-suppression system
30-30.10.10	室外消火栓设施	outdoor fire hydrants facility
30-30.10.10.10	室外消防管道、配件	outdoor fire-suppression water-service piping & part
30-30.10.10.20	室外消火栓	outdoor fire hydrant
30-30.10.10.30	消防水泵接合器	siamese connection
30-30.10.15	室内消火栓设施	indoor fire hydrant facility
30-30.10.15.10	室内消防管道、配件	indoor fire hydrant water-service piping & parts

30-30.10.15.20	室内消火栓	indoor fire hydrant
30-30.10.15.30	消防水龙带、水枪	fire-suppression hoses and nozzles
30-30.10.15.40	消防软管卷盘	fire-suppression hoses reels
30-30.10.15.50	消火栓箱	hose cabinets (box)
30-30.10.20	自动喷水灭火系统	fire-suppression sprinkler system
30-30.10.20.10	湿式喷水灭火系统	wet-pipe sprinkler system
30-30.10.20.20	干式喷水灭火系统	dry-pipe sprinkler system
30-30.10.20.30	预作用喷水灭火系统	preaction sprinkler system
30-30.10.20.50	重复启闭预作用喷水灭火系统	recycling preaction sprinkler system
30-30.10.20.60	雨淋喷水灭火系统	deluge fire-suppression sprinkler system
30-30.10.20.70	水幕系统	drencher system
30-30.10.25	大空间智能型主动喷水灭火系统	large-space intelligent active control sprinkler system
30-30.10.30	水喷雾灭火系统	water spray extinguishing system
30-30.10.35	细水雾灭火系统	water mist fire extinguishing system
30-30.10.40	固定消防炮灭火系统	fixed fire monitor extinguishing system
30-30.20.00	气体灭火系统	fire-extinguishing system
30-30.20.10	二氧化碳灭火系统	carbon-dioxide fire-extinguishing system
30-30.20.10.10	二氧化碳灭火管道	carbon-dioxide fire-extinguishing piping
30-30.20.10.20	二氧化碳灭火设备	carbon-dioxide fire-extinguishing equipment
30-30.20.20	七氟丙烷灭火系统	heptafluoropropane fire extinguishing system
30-30.20.20.10	七氟丙烷灭火管道	heptafluoropropane fire-extinguishing piping
30-30.20.20.20	七氟丙烷灭火设备	heptafluoropropane fire-extinguishing equipment

30-30.20.30	三氟甲烷灭火系统	three fluorine methane fire extinguishing system
30-30.20.30.10	三氟甲烷灭火管道	three fluorine methane fire-extinguishing piping
30-30.20.30.20	三氟甲烷灭火设备	three fluorine methane fire-extinguishing equipment
30-30.20.40	洁净气体灭火系统	clean-agent fire—extinguishing system
30-30.20.40.10	洁净气体灭火管道	clean-agent fire—extinguishing piping
30-30.20.40.20	洁净气体灭火设备	clean-agent fire—extinguishing equipment
30-30.20.50.	气溶胶灭火系统	aerosol fire extinguishing system
30-30.20.50.10	气溶胶灭火管道	aerosol fire extinguishing piping
30-30.20.50.20	气溶胶灭火设备	aerosol fire extinguishing equipment
30-30.30.00	泡沫灭火系统	foam fire extinguishing system
30-30.30.10.	低倍数泡沫灭火系统	low-expansion foam fire extinguishing system
30-30.30.10.10	低倍数泡沫灭火管道	low-expansion foam fire extinguishing piping
30-30.30.10.20	低倍数泡沫灭火设备	low-expansion foam fire extinguishing equipment
30-30.30.20	中倍数泡沫灭火系统	medium expansion foam fire extinguishing system
30-30.30.20.10	中倍数泡沫灭火管道	medium expansion foam fire extinguishing piping
30-30.30.20.20	中倍数泡沫灭火设备	medium expansion foam fire extinguishing equipment
30-30.30.30	高倍数泡沫灭火系统	high expansion foam fire extinguishing system

30-30.30.30.10	高倍数泡沫灭火管道	high expansion foam fire extinguishing piping
30-30.30.30.20	高倍数泡沫灭火设备	high expansion foam fire extinguishing equipment
30-30.30.40	泡沫喷淋灭火系统	foam sprinkler fire extinguishing system
30-30.30.40.10	泡沫喷淋灭火管道	foam sprinkler fire extinguishing piping
30-30.30.40.20	泡沫喷淋灭火设备	foam sprinkler fire extinguishing piping
30-30.40.00	消防泵设备	fire pump equipment
30-30.40.10	离心式消防泵	centrifugal fire pump
30-30.40.10.10	电动离心式消防泵	electric-drive centrifugal fire pump
30-30.40.10.20	柴油离心式消防泵	diesel-drive centrifugal fire pump
30-30.40.20	立式涡轮消防泵	vertical-turbine fire pump
30-30.40.20.10	电动立式涡轮消防泵	electric-drive vertical-turbine fire pump
30-30.40.20.20	柴油立式涡轮消防泵	diesel-drive vertical-turbine fire pump
30-30.40.30	容积式消防泵	positive-displacement fire pump
30-30.40.30.10	电动容积式消防泵	electric-drive positive-displacement fire pump
30-30.40.30.20	柴油容积式消防泵	diesel-drive positive-displacement fire pump
30-30.40.40	成套压力消防给水设备	packaged pressurize water supply equipment for fire- suppression
30-30.40.40.10	气压消防给水设备	air pressure water supply equipment for fire- suppression
30-30.40.40.20	消防自动恒压给水设备	constant press automatic water supply equipment for fire- suppression
30-30.40.40.30	消防增压稳压给水设备	pressurize water supply equipment for fire- suppression
30-30.40.40.40	气体顶压消防给水设备	the replacement of water by compress gas

		water supply equipment for fire-suppression
30-30.50.00	消防储水设施	fire-suppression water storage
30-30.50.10	消防水箱	storage tanks for fire-suppression water
30-30.50.10.10	压力消防水箱（罐）	pressurized storage tanks for fire-suppression water
30-30.50.10.20	开式消防水箱	opening storage tanks for fire-suppression water
30-30.50.20	消防水池	concrete structure storage tanks for fire-suppression water
30-30.60.00	消防器材	fire protection specialties
30-30.60.10	灭火器	fire extinguisher
30-30.60.20	灭火器箱（柜）	fire extinguisher cabinet
30-31.00.00	给水、热水	cold water and hot water supply
30-31.10.00	给水管材	water supply pipe
30-31.10.10	金属给水管	metal pipe
30-31.10.10.10	球墨铸铁管	nodular cast-iron pipe
30-31.10.10.15	不锈钢管	stainless steel pipe
30-31.10.10.20	建筑给水铜管	copper pipe for building water supply
30-31.10.10.25	热浸镀锌钢管	hot dip galvanized steel pipe
30-31.10.10.30	焊接钢管	welding steel pipe
30-31.10.10.35	无缝钢管	seamless steel pipe
30-31.10.15	塑料给水管	plastic pipe for water supply
30-31.10.15.10	硬聚氯乙烯（PVC-U）管	unplasticised polyvinyl chloride pipe
30-31.10.15.13	氯化聚氯乙烯（PVC-C）管	chlorinate poly (vinylchloride) pipe
30-31.10.15.16	高抗冲聚氯乙烯管	pvc pipe-high impact acrylic grast resin

30-31.10.15.19	抗冲改性聚氯乙烯 (PVC-M) 管材	pvc-m modified pvc pipe
30-31.10.15.23	聚乙烯 (PE) 管	polyethylene pipe
30-31.10.15.26	交联聚乙烯 (PE-X) 管	crosslinked polyethylene pipe
30-31.10.15.29	耐热聚乙烯 (PE-RT) 管	polyethylene of raised temperature resistance pipe
30-31.10.15.33	聚丙烯 (PP) 管	polypropylene pipe
30-31.10.15.36	聚丁烯 (PB) 管	polybutylene pipe
30-31.10.15.39	丙烯腈-丁二烯-苯乙烯 (ABS) 管	acrylonitrile-butadiene-styrene pipe
30-31.10.15.43	丙烯酸共聚聚氯乙烯 (AGR) 管	acrylic ester/vinyl chloride graft co- polymer resin pipe
30-31.10.20	复合管	composite pipes
30-31.10.20.10	涂塑复合钢管	coating plastic steel pipe
30-31.10.20.13	衬塑复合钢管	steel pipes of linking plastic
30-31.10.20.16	钢塑复合压力管	plastic-steel-plastic composite pressure pipe
30-31.10.20.19	铝合金衬塑复合管	aluminum-plastic laminated pipe
30-31.10.20.23	不锈钢塑料复合管	stainless steel-plastic composite pipes
30-31.10.20.26	内衬不锈钢复合钢管	composite steel pipe stainless steel lined
30-31.10.20.29	铝塑复合压力管	polyethylene/aluminium/polyethylene composite pressure pipe
30-31.10.20.33	无规共聚聚丙烯 (PP- R) 塑铝稳态复合管	random polypropylene/aluminium stable composite pipe
30-31.10.20.36	钢骨架聚乙烯塑料复合 管	steel reinforced polyethylene plastic pipe
30-31.10.20.39	孔网钢带聚乙烯复合管	polyethylene(pe) composite pipes with porous steel strip

30-31.10.20.43	钢丝网骨架塑料(聚乙烯)复合管	steel wire reinforced thermoplastics(pe) composite pipe
30-31.15.00	给水增压设备	booster equipments for water supply
30-31.15.10	给水泵	water pump
30-31.15.10.10	卧式离心泵	horizontal type centrifugal pump
30-31.15.10.20	立式离心泵	vertical type centrifugal pump
30-31.15.10.30	管道泵	inline pump
30-31.15.20	成套增压给水设备	domestic-water packaged booster equipments
30-31.15.20.10	气压给水设备	pneumatic water supply installation
30-31.15.20.20	变频调速给水设备	vfgs water supply installation
30-31.15.20.30	管网叠压给水设备	pressure-superposed water supply installation in pipe network
30-31.15.20.40	箱式泵站	chamber pump
30-31.20.00	给水箱	potable-water storage tanks
30-31.20.10	开式水箱	open water tank
30-31.20.10.10	镀锌钢板水箱	galvanized steel plate water tank
30-31.20.10.15	不锈钢板水箱	stainless steel water tank
30-31.20.10.20	防腐瓷釉钢板水箱	ceramic coated anticorrosive steel plate water tank
30-31.20.10.25	复合钢板水箱	compound steel plate water tank
30-31.20.10.30	搪瓷钢板水箱	enameled steel plate water tank
30-31.20.10.35	玻璃钢水箱	frp water tank
30-31.20.10.40	塑料水箱	plastic water tank
30-31.20.20	闭式水箱	closed water tank
30-31.25.00	建筑给水处理设备	water treatment equipment
30-31.25.10	软化水设备	domestic water softener
30-31.25.10.10	自动控制钠离子交换器	automatic sodium-ion exchanger

30-31.25.10.20	自动控制 H 离子交换器	automatic hydrogen-ion exchanger
30-31.25.15	生活给水过滤设备	domestic water filtration equipment
30-31.25.15.10	生活给水滤芯型过滤器	domestic-water cartridge filter
30-31.25.15.20	生活给水活性炭过滤器	domestic-water carbon filter
30-31.25.15.30	生活给水砂过滤器	domestic-water sand filter
30-31.25.15.40	微孔过滤器	microporous filter
30-31.25.15.50	全自动反冲洗过滤器	automatic backwash filter
30-31.25.20	膜处理设备	membrane treatment equipment
30-31.25.20.10	反渗透膜处理设备	reverse osmosis membrane treatment equipment
30-31.25.20.20	纳滤膜处理设备	nanofiltration membrane treatment equipment
30-31.25.20.30	超滤膜处理设备	ultra filtration membrane treatment equipment
30-31.25.20.40	微孔滤膜处理设备	micro filtration membrane treatment equipment
30-31.25.25	地下水有毒物质去除设备	underground water toxic material removal equipment
30-31.25.25.10	除氟设备	fluoride removal equipment
30-31.25.25.20	除砷设备	arsenic removal equipment
30-31.25.25.30	除镉设备	cadmium removal equipment
30-31.25.30	消毒设备	disinfecting equipment
30-31.25.30.10	加氯机	chlorinator
30-31.25.30.15	次氯酸钠发生器	hypochlorite generator
30-31.25.30.20	二氧化氯消毒剂发生器	chlorine dioxide synergetic disinfectant generator
30-31.25.30.25	氯片及漂白粉消毒器	chlorine tablet & bleaching powder disinfectant

30-31.25.30.30	水箱自洁消毒器	tank self-cleaning disinfectant
30-31.25.30.35	臭氧发生器	ozone generator
30-31.25.30.40	紫外线消毒器	ultraviolet disinfectant
30-31.30.00	加热贮热设备	heating and storage equipment
30-31.30.10	热水器	water heater
30-31.30.10.10	电热水器	electric domestic water heater
30-31.30.10.20	燃气热水器	gas domestic water heater
30-31.30.10.30	太阳能热水器	solar water heater
30-31.30.20	换热器	domestic water heat exchanger
30-31.30.20.10	管壳式换热器	tubular heat exchanger
30-31.30.20.20	容积式换热器	displacement heat exchanger
30-31.30.20.30	板式换热器	plate heat exchanger
30-31.30.30	开水设备	boiling-water heater
30-31.30.30.10	电开水器	electric boiling-water heater
30-31.30.30.20	燃料型开水炉	fuel boiling-water heater
30-31.30.30.30	蒸汽盘管开水炉	steam coil boiling-water heater
30-31.30.30.40	热管开水器	heating tube boiling-water heater
30-31.30.40	热水贮存设备	hot-water storage facility
30-31.30.40.10	热水储水箱	hot-water tank
30-31.30.40.20	热水储水罐	hot-water vessel
30-31.35.00	阀门	valve
30-31.35.02	闸阀	gate valve
30-31.35.04	蝶阀	butterfly valve
30-31.35.06	截止阀	globe valve
30-31.35.08	球阀	ball valve
30-31.35.10	旋塞阀	cock
30-31.35.12	角阀	angle valve
30-31.35.14	隔膜阀	diaphragm valve

30-31.35.16	止回阀	check valve
30-31.35.18	底阀	footvalve
30-31.35.20	浮球阀	float valve
30-31.35.22	温控阀	temperature control valve
30-31.35.24	液压水位控制阀	liquid-pressure water level controller
30-31.35.26	双级水力控制阀	double hydraulic control valve
30-31.35.28	减压阀	pressure reducing valve
30-31.35.28.10	比例式减压阀	ratio pressure reducing valve
30-31.35.28.20	先导式减压阀	pilot operated pressure reducing valve
30-31.35.28.30	薄膜式减压阀	diaphragm reducing valve
30-31.35.30	稳压阀	constant pressure valve
30-31.35.32	调节阀	automatic adjusting valve
30-31.35.34	节流阀	throttle valve
30-31.35.36	平衡阀	balancing valve
30-31.35.38	多功能水泵控制阀	multi-function control valve for pumping system
30-31.35.40	安全阀	safety valve
30-31.35.42	泄压阀	decompression valve
30-31.35.44	持压阀	pressure continuous valve
30-31.35.46	紧急关闭阀	emergency close valve
30-31.35.48	倒流防止器	backflow preventer
30-31.35.50	水锤消除器	water hammer arrestor
30-31.35.52	信号阀	signal valve
30-31.35.54	排气阀	exhaust valve
30-31.35.56	电磁阀	electromagnetic valve
30-31.35.58	真空破坏器	vacuum breaker
30-31.40.00	计量、检测仪表	flow measuring instrument
30-31.40.10	水表	water meter

30-31.40.15	流量计	flow meter
30-31.40.20	压力表	pressure gauge
30-31.40.25	真空表	vacuum gauge
30-31.40.30	温度计	thermometer
30-31.40.35	液位计	liquid level gauge
30-31.40.40	压力传感器	pressure sensor
30-31.40.45	温度传感器	temperature sensor
30-31.40.50	水位传感器	water-level sensor
30-32.00.00	建筑排水	building sanitary drainage
30-32.10.00	建筑排水管	building drainage pipe
30-32.10.10	金属排水管	metal pipe
30-32.10.10.10	承插式柔性接口铸铁管	bell(socket) and spigot flexible joint cast iron pipe
30-32.10.10.20	卡箍式柔性接口铸铁管	coupling type flexible joint cast iron pipe
30-32.10.10.30	焊接钢管	welded steel pipe
30-32.10.20	塑料排水管	plastic pipe
30-32.10.20.10	硬聚氯乙烯(PVC-U)实壁管材	unplasticized poly (vinyl chloride) (pvc-u) pipe
30-32.10.20.15	中空壁消音硬聚氯乙烯管	unplasticized polyvinyl chloride double-wall noise-reducing pipe
30-32.10.20.20	硬聚氯乙烯内螺旋管	pvc-u inner spiral rib pipe
30-32.10.20.25	芯层发泡硬聚氯乙烯(PVC-U)管	unplasticized polyvinyl chloride (pvc-u) pipes with a cellular core
30-32.10.20.30	建筑排水用高密度聚乙烯(HDPE)管	high density polyethylene pipes for drainage inside building
30-32.10.20.35	氯化聚氯乙烯(PVC-C)管	chlorinated poly (vinyl chloride)(pvc-c) pipe
30-32.10.20.40	聚丙烯排水管	polypropylene pipe for drainage

30-32.10.30	复合排水管	composite pipe for drainage
30-32.15.00	污水提升设备	sanitary sewerage pump equipment
30-32.15.10	污水泵	sewage pump
30-32.15.10.10	立式污水泵	vertical sewage pump
30-32.15.10.20	卧式污水泵	horizontal sewage pump
30-32.15.10.30	潜污泵	subaqueous sewage pump
30-32.15.20	成套污水提升装置	packaged sewerage pump units
30-32.20.00	建筑排水专用设备、部件	sanitary sewage specific equipment & part
30-32.20.10	地漏	floor drain
30-32.20.20	油水分离设备	oil and water separated equipment
30-32.20.20.10	隔油器	grease-water separator
30-32.20.20.20	油水分离器	oil and water separator
30-32.20.30	吸气阀	air admittance valve
30-32.25.00	污水排水构筑物	sanitary sewerage structure
30-32.25.10	化粪池	septic tank
30-32.25.20	隔油池	oil separation tank
30-32.25.30	降温池	cooling tank
30-32.25.40	污水检查井	inspection chamber
30-32.30.00	特殊排水系统	special discharge system
30-32.30.10	同层排水系统	same-floor drainage system
30-32.30.20	特殊单立管排水系统	single stack drainage system
30-32.30.30	真空排水系统	vacuum drainage sysems
30-32.35.00	建筑中水处理设施	reclaimed water treatment facility
30-32.35.10	物理化学处理设施	physical and chemical process facility
30-32.35.20	生化处理设施	biochemical process facility
30-32.40.00	小区生活污水处理设施	domestic sewage treatment facility
30-33.00.00	雨水排水	building storm drainage

30-33.10.00	建筑雨水排水管材	storm drainage piping of building
30-33.10.10	塑料雨水管	plastic rainwater pipe
30-33.10.20	金属雨水管	metal rainwater pipe
30-33.10.30	复合雨水管	compsite rainwater pipe
30-33.20.00	建筑雨水收集设施	facility storm collecting of building
30-33.20.10	雨水斗	roof drain
30-33.20.10.10	重力流雨水斗	gravity roof drain
30-33.20.10.20	半有压雨水斗	half pressure water roof drain
30-33.20.10.30	虹吸式雨水斗	syphonic roof outlet
30-33.20.20	沟渠式排水设施	facility trench drains
30-33.20.20.10	天沟	roof gutter
30-33.20.20.20	边沟	brim gutter
30-33.20.20.30	檐沟	eaves gutter
30-33.20.20.40	线性排水沟	line drainage trench
30-33.30.00	雨水回用设施	appliance for rainwater recycling utilization
30-33.30.10	入渗设施	infiltration facility
30-33.30.10.10	入渗井	infiltration well
30-33.30.10.20	渗透管	infiltration pipe
30-33.30.10.30	入渗池	infiltration pool
30-33.30.10.40	渗透雨水口	infiltration rainwater inlet
30-33.30.20	雨水储存设施	rainwater storage facility
30-33.30.20.10	雨水储存罐	rainwater storage pot
30-33.30.20.20	雨水储存池	rainwater storage tank
30-33.40.00	雨水提升设备	storm water pump equipments
30-33.40.10	雨水泵	storm water pump
30-33.40.20	成套雨水提升设备	packaged storm water pump units
30-34.00.00	卫生设备	plumbing fixture

30-34.10.00	医疗卫生设备	healthcare plumbing fixture
30-34.10.10	医用高位冲洗水箱	healthcare high flush tank
30-34.10.15	医用大便器	healthcare water closet
30-34.10.20	医用洗涤槽	healthcare sinks
30-34.10.25	医用浴缸和淋浴器	healthcare bathtubs and shower
30-34.10.30	医用淋浴盆	healthcare shower receptor and basin
30-34.10.35	医用水龙头	healthcare faucet
30-34.10.40	医用卫生设备冲水阀	healthcare plumbing fixture flushometer
30-34.10.45	水疗设备	hydrotherapy fixture
30-34.20.00	应急卫生设备	emergency plumbing fixture
30-34.20.10	应急淋浴设施	emergency shower
30-34.20.20	洗眼装置	eyewash equipment
30-35.00.00	专用建筑给排水	special constructions plumbing
30-35.10.00	泳池给排水系统	swimming pool plumbing system
30-35.10.10	泳池管道	swimming pool piping
30-35.10.15	泳池水泵	swimming pool pump
30-35.10.20	泳池水处理设备	swimming pool water treatment equipment
30-35.10.25	泳池设备控制系统	swimming pool equipment control
30-35.20.00	公共浴室给排水系统	the plumbing systems of bathhouse
30-35.20.10	公共浴室管道	bathhouse piping
30-35.20.15	公共浴室水泵	bathhouse pump
30-35.20.20	公共浴室水处理设备	bathhouse water treatment equipment
30-35.20.25	公共浴室水加热设备	water heater of bathhouse
30-35.20.30	公共浴室设备控制系统	bathhouse equipment control
30-35.30.00	喷泉、喷灌给排水系统	fountain and sprinkling irrigation plumbing systems
30-35.30.10	喷泉给排水系统	fountain plumbing system

30-35.30.10.10	喷头	spray head
30-35.30.10.15	喷泉管材	fountain piping
30-35.30.10.20	喷泉水泵	fountain pump
30-35.30.10.25	喷泉工程水处理设备	fountain water treatment equipment
30-35.30.10.30	喷泉设备	fountain equipment
30-35.30.20	喷灌给排水系统	sprinkling irrigation plumbing system
30-35.30.20.10	喷灌喷头	irrigation sprinkler head
30-35.30.20.20	喷灌管材	sprinkling irrigation pipe
30-35.30.20.30	喷灌阀门	sprinkling irrigation valve
30-35.40.00	洗衣房给排水系统	laundry room plumbing system
30-35.40.10	洗衣房管道	laundry room pipe
30-35.40.20	洗衣房专用设备	laundry room special equipment
30-35.40.30	洗衣房水加热设备	water heater of laundry room
30-35.50.00	实验室和医疗设施的用水处理系统	water treatment systems for laboratory and healthcare facilities
30-35.50.10	实验室和医疗设施的用水处理系统	processed water systems for laboratory and healthcare facilities
30-35.50.10.10	实验室和医疗设施的用水处理管道	processed water piping for laboratory and healthcare facilities
30-35.50.10.20	实验室和医疗设施的用水处理设备	processed water equipment for laboratory and healthcare facilities
30-40.00.00	冷、热源	heating and cooling source
30-40.10.00	锅炉	boiler
30-40.10.10	燃煤锅炉	coal-fired boiler
30-40.10.15	燃油、燃气锅炉	oil-fired, gas boiler
30-40.10.20	生物质燃料锅炉	bio-fired boiler
30-40.10.25	电热锅炉	electric boiler
30-40.10.30	锅炉配套装置	boiler accessorie

30-40.10.35	锅炉烟道、烟囱	breeching chimney and stack
30-40.15.00	单元式热水设备	unit type hot water equipment
30-40.15.10	多能源热水炉	multi-energy hot water boiler
30-40.15.20	电热水炉	electric hot water boiler
30-40.20.00	燃气红外线供暖装置	gas-fired radiant heating unit
30-40.25.00	换热设备	heat exchanger
30-40.25.10	板式换热器	plate heat exchanger
30-40.25.20	管式换热器	tubular heat exchanger
30-40.25.30	容积式换热器	volumetric heat exchanger
30-40.25.40	半即热式换热器	semi-instantaneous water heater
30-40.25.50	换热机组	heat exchanger unit
30-40.30.00	冷水机组	water chiller
30-40.30.10	电动压缩式冷水机组	electrically driven compressor water chiller
30-40.30.10.10	涡旋式冷水机组	hermetic scroll water chiller
30-40.30.10.20	螺杆式冷水机组	screw water chiller
30-40.30.10.30	离心式冷水机组	centrifugal water chiller
30-40.30.20	溴化锂吸收式冷水机组	lithium bromide absorption water chiller
30-40.30.20.10	蒸汽型溴化锂吸收式冷水机组	steam type lithium bromide absorption water chiller
30-40.30.20.20	热水型溴化锂吸收式冷水机组	hot water type lithium bromide absorption water chiller
30-40.30.20.30	直燃型溴化锂吸收式冷水机组	direct-fired lithium bromide absorption water chiller
30-40.35.00	热泵	heat pump
30-40.35.10	空气源热泵	air source heat pump
30-40.35.20	地源热泵	ground source heat pump
30-40.35.20.10	地埋管地源热泵	ground covers up tube ground source heat

		pump
30-40.35.20.20	地下水地源热泵	groundwater ground source heat pump
30-40.35.20.30	江河湖水地源热泵	river water ground in river lake the source heat pump
30-40.35.20.40	海水源地源热泵	sea water source ground the source heat pump
30-40.35.20.50	污水源地源热泵	sewage source ground source heat pump
30-40.35.30	水环热泵	water wreath heat pump
30-40.40.00	蓄热、蓄冷装置	thermal storage
30-40.40.10	蓄冰装置	ice storage
30-40.40.10.10	冰盘管式	ice-on-coil thermal storage
30-40.40.10.20	封装式冰蓄冷	encapsulated-ice thermal storage
30-40.40.10.30	制冰滑落式/冷水机	ice-harvesting thermal storage /chiller
30-40.40.10.40	冰浆式	ice-slurry thermal storage
30-40.40.20	水蓄冷（热）装置	cold (hot) water thermal storage
30-40.40.30	相变材料蓄热	phase change material thermal storage equipment
30-40.40.40	蒸汽蓄热	steam thermal storage equipment
30-40.45.00	燃气冷热电三联供	gas-fired combined cooling,heating and power engineering
30-40.50.00	循环水处理设备	recirculating water treatment equipment
30-40.50.10	软化水设备	soften water equipment
30-40.50.20	除氧设备	deoxygenation equipment
30-40.50.30	除锈设备	derusting equipment
30-40.50.40	除砂设备	degritting equipment
30-40.55.00	太阳能供暖系统	solar heating system
30-41.00.00	冷却水系统	circulating water-cooling system
30-41.10.00	冷却塔	cooling tower

30-41.10.10	自然通风逆流湿式冷却塔	natural draft counter-flow wet cooling tower
30-41.10.15	自然通风横流湿式冷却塔	natural-draft cross-flow wet cooling tower
30-41.10.20	机械通风逆流湿式冷却塔	forced-draft wet counter-flow cooling tower
30-41.10.25	机械通风横流湿式冷却塔	forced-draft cross-flow wet cooling tower
30-41.10.30	机械通风多风机湿式冷却塔	forced-draft multi-ventilator wet cooling tower
30-41.10.35	干式冷却塔	dry cooling tower
30-41.10.40	干湿式冷却塔	wet and dry cooling tower
30-41.20.00	空气冷却器	air cooler
30-42.00.00	供暖	heating
30-42.10.00	热媒输送设备	heating medium delivery device
30-42.10.10	补水、定压装置	feedwater and pressurization device
30-42.10.10.10	膨胀水箱	elevated expansion tank
30-42.10.10.20	气压罐定压装置	barometric bottle certainly presses device
30-42.10.10.30	补水泵	feedwater pump
30-42.10.15	分、集水器	water distribution header , water collecting header
30-42.10.20	除污器（过滤器）	strainer
30-42.10.25	集气罐	air collecting tank
30-42.10.30	调压板	orifice plate
30-42.10.35	管道补偿器	pipe expansion joint
30-42.10.40	管道支吊架	pipe hanger
30-42.10.45	管道支座	pipe support
30-42.20.00	蒸汽管道、附件	steam piping accessories

30-42.20.10	疏水器	steam trap
30-42.20.15	减压阀	pressure reducing valve
30-42.20.20	安全阀	safety valve
30-42.20.25	闪蒸罐	flash tank
30-42.20.30	分汽缸	steam distribution header
30-42.20.35	凝结水自动回收装置	condense water collecting device
30-42.30.00	室内供暖设备	indoor heating device
30-42.30.10	散热器	radiator
30-42.30.10.10	铸铁散热器	cast iron radiator
30-42.30.10.20	钢制散热器	steel radiator
30-42.30.10.30	铜铝散热器	copper-aluminum radiator
30-42.30.20	低温热水辐射供暖设备	low-temperature hot water radiant heating units
30-42.30.30	电热式辐射供暖设备	electric radiant heating unit
30-42.30.40	暖风机	warm air blower
30-42.30.50	空气加热器	air heater
30-42.40.00	集中供暖系统热计量与 室温调控设备	the central heating system heat metering and temperature control
30-42.40.10	热量表	heat meter
30-42.40.20	热分配表	heat cost allocator
30-42.40.30	热量分配装置	heat allocation device
30-42.40.40	恒温控制阀	thermostatic valve
30-42.40.50	辐射供暖室温控制装置	the floor radiation adopts warm indoor temperature control device
30-42.50.00	管道阀门	pipng valve
30-43.00.00	通风	ventilation
30-43.10.00	通风机	fan
30-43.10.10	一般通用通风机	hvac fan

30-43.10.10.10	离心式风机	centrifugal hvac fan
30-43.10.10.15	轴流式风机	axial hvac fan
30-43.10.10.20	斜流式风机	diagonal flow fan
30-43.10.10.25	混流式风机	mixed flow fan
30-43.10.10.30	贯流式风机	cross-flow fan
30-43.10.10.35	射流风机	jet fan
30-43.10.10.40	风机箱	cabinet fan
30-43.10.10.45	诱导风机	induction fan
30-43.10.10.50	屋顶风机	roof fan
30-43.10.15	防爆通风机	explosion-proof fan
30-43.10.20	防腐通风机	anti-corrosion fan
30-43.10.25	排烟风机	exhaust fan
30-43.10.30	厨房排油烟专用风机	commercial-kitchen hood fan
30-43.10.35	新风换气机	fresh air ventilator
30-43.10.40	换气扇	ventilating fans
30-43.10.45	空气幕	air curtain
30-43.15.00	通风管道	hvac duct
30-43.15.10	金属风管	metal duct
30-43.15.10.10	普通钢板风管	steel duct
30-43.15.10.20	镀锌钢板风管	galvanized steel duct
30-43.15.10.30	不锈钢风管	stainless steel duct
30-43.15.10.40	铝合金风管	aluminum duct
30-43.15.10.50	彩色喷涂钢板风管	color coating steel duct
30-43.15.20	非金属风管	nonmetal duct
30-43.15.20.10	酚醛铝箔复合板风管	phenolic composite panels aluminum foil duct
30-43.15.20.15	聚氨酯铝箔风管	polyurethane foil duct
30-43.15.20.20	玻璃纤维复合风管	fibrous-glass ducts

30-43.15.20.25	无机玻璃钢风管	fiberglass-reinforced plastic duct
30-43.15.20.30	硬聚氯乙烯织物风管	pvc fabric duct
30-43.15.20.35	聚酯纤维织物风管	polyester fabric duct
30-43.15.20.40	混凝土风管	concrete duct
30-43.15.30	柔性风管	flexible duct
30-43.15.30.10	复合铝箔柔性风管	composite aluminum foil flexible duct
30-43.15.30.20	无纺布柔性风管	non-woven fabric flexible duct
30-43.15.30.30	金属柔性风管	metal flexible duct
30-43.20.00	通风口	air outlet and inlet
30-43.20.10	百叶风口	register
30-43.20.15	散流器	diffuser
30-43.20.20	条形风口	slot outlet
30-43.20.25	喷射式送风口	nozzle
30-43.20.30	旋流风口	twist outlet
30-43.20.35	置换送风口	replacement outlet
30-43.20.40	送风孔板	orifice plate outlet
30-43.20.45	排烟风口	smoke exhaust
30-43.20.45.10	板式排烟口	smoke plate
30-43.20.45.20	多叶排烟口	multi blade exhaust port
30-43.20.50	防火风口	fire-resisting outlet
30-43.25.00	通风管道阀门	damper
30-43.25.10	调节阀	control damper
30-43.25.15	定风量阀	constant-air-volume damper
30-43.25.20	止回阀	check damper
30-43.25.25	密闭阀	sealed damper
30-43.25.30	定风量调节器	constant-air-volume control damper
30-43.25.35	防火阀	fire-resisting damper
30-43.25.35.10	防火阀	fire-resisting damper

30-43.25.35.20	防火调节阀	fire-resisting control damper
30-43.25.35.25	防烟防火阀	fire & smoke –resisting damper
30-43.25.35.30	排烟防火阀	fire-resisting & smoke exhaust damper
30-43.25.40	排烟阀	smoke exhaust damper
30-43.30.00	空气净化装置	hvac air cleaner
30-43.30.03	粗效空气过滤器	roughing filter
30-43.30.06	中效空气过滤器	medium efficiency filter
30-43.30.09	高中效空气过滤器	high efficiency air filter
30-43.30.13	亚高效空气过滤器	sub high efficiency air filter
30-43.30.16	高效空气过滤器	high efficiency particulate air filter
30-43.30.19	超高效空气过滤器	super efficiency air filter
30-43.30.23	高效空气过滤机组	hepa filter units
30-43.30.26	静电空气过滤器	electrostatic air filter
30-43.30.29	化学空气过滤器	chemical air filter
30-43.30.33	光触媒空气净化器	photocatalyst air purifier
30-43.30.36	紫外线杀菌器	ultraviolet sterilizer
30-43.30.39	厨房油烟净化装置	fume purifying device
30-43.35.00	局部净化设备	regional air cleaners
30-43.35.10	净化工作台	microbench
30-43.35.20	层流罩	laminar hood
30-43.35.30	自净器	self-cleaning air cleaner
30-43.35.40	装配式洁净室	assemble cleanroom
30-43.40.00	防、排烟系统建筑部品	exhaust system products
30-43.40.10	电动排烟窗	electric vent window
30-43.40.20	挡烟垂壁	smoke screen
30-44.00.00	空调	air conditioning
30-44.10.00	组合式空调机组	combined type air conditioning unit
30-44.10.10	立式空调机组	vertical air conditioning unit

30-44.10.20	卧式空调机组	horizontal air conditioning unit
30-44.15.00	普通单元式空调机组	general air conditioning units
30-44.20.00	专用单元式空调机组	dedicated air conditioning units
30-44.20.10	恒温恒湿空调机组	constant temperature humidity unit
30-44.20.20	机房专用空调机组	computer-room air conditioner
30-44.25.00	多联式空调机	multi-connected air conditioning unit
30-44.25.10	变频多联式空调机	inverter-driven multi-connected air conditioning unit
30-44.25.10.10	风冷变频多联式空调机	air cooled inverter-driven multi-connected air conditioning unit
30-44.25.10.20	水冷变频多联式空调机	water cooled inverter-driven multi-connected air conditioning unit
30-44.25.20	数码涡旋多联式空调机	digital variable multi-connected air conditioning unit
30-44.30.00	房间空气调节器	room air conditioners
30-44.35.00	风机盘管机组	fan-coil unit
30-44.35.10	卧式风机盘管机组	horizontal fan-coil unit
30-44.35.20	立式风机盘管机组	vertical fan-coil unit
30-44.35.30	柱式风机盘管机组	column fan-coil unit
30-44.35.40	卡式风机盘管机组	crane fan-coil unit
30-44.35.50	壁挂式风机盘管机组	wall hanging fan-coil unit
30-44.40.00	变风量末端装置	variable-air-volume unit
30-44.45.00	空气湿度控制装置	humidity control equipment
30-44.45.10	加湿器	humidifier
30-44.45.20	固体除湿器	solid dehumidifier
30-44.45.30	干式除湿器	dry dehumidifier
30-44.45.40	溶液除湿器	solution dehumidifier
30-44.50.00	冷媒输送设备	coolant conveying equipment

30-44.55.00	水系统管道阀门	water system pipeline valve
30-45.00.00	管道与设备绝热、防腐	duct and equipment insulation, anticorrosion
30-45.10.00	管道与设备绝热材料	duct and equipment insulation
30-45.10.10	离心玻璃棉绝热制品	centrifugal glass cotton insulation
30-45.10.15	橡塑泡沫绝热制品	rubber foam insulation
30-45.10.20	硬质聚氨酯泡沫绝热制品	polyurethane foam insulation
30-45.10.25	岩棉与矿渣棉绝热制品	rock wool and slag wool insulation
30-45.10.30	憎水膨胀珍珠岩绝热制品	expanded perlite insulation
30-45.10.35	硅酸铝棉绝热制品	aluminum silicate cotton insulation
30-45.20.00	管道与设备防腐材料	duct anticorrosion and hvac equipment anticorrosion
30-46.00.00	噪声与振动控制	noise and vibration control
30-46.10.00	风系统消声器	muffler
30-46.10.10	阻性消声器	resistive muffler
30-46.10.20	抗性消声器	resistance muffler
30-46.10.30	阻抗复合型消声器	impedance composite muffler
30-46.20.00	隔声设施	sound insulation facilities
30-46.30.00	吸声减噪材料和构造	sound absorption and noise reduction material and structure
30-46.30.10	多孔材料	porous material
30-46.30.20	吸声结构	sound absorbing structure
30-46.30.30	空间吸声体	functional absorber
30-46.30.40	吸声尖劈	wedge absorber
30-46.40.00	设备隔振设施	equipment isolation facilities
30-46.50.00	管道隔振设施	pipeline isolation facilities

30-47.00.00	专用建筑专用管道系统	special building dedicated pipeline system
30-47.10.00	实验室和医疗设施压缩	compressed air system of laboratory and
30-	空气系统	medical facilities
30-47.20.00	实验室和医疗设施真空系统	vacuum system of laboratory and medical facilities
30-47.30.00	医疗建筑氧气输送系统	medical building oxygen delivery system
30-47.40.00	实验室和医疗设施化学废料系统	chemical waste system of laboratory and medical facilities
30-48.00.00	燃气	gas
30-48.10.00	燃气调压装置	regulator device
30-48.10.10	调压箱（柜）	regulator box
30-48.10.20	调压站	regulator station
30-48.20.00	燃气管道系统	gas piping system
30-48.20.10	燃气管道	gas pipe
30-48.20.20	燃气阀门	gas valve
30-48.20.30	燃气表	gas meter
30-48.20.40	燃气安全装置	gas safety device
30-48.30.00	燃烧器具	gas burning appliance
30-50.00.00	供配电	power supply
30-50.10.00	高压配电	high -voltage electrical distribution
30-50.10.10	高压成套柜	high- voltage electrical installation
30-50.10.10.10	进线柜	high -voltage incoming cabinet
30-50.10.10.15	进线隔离柜	high- voltage incoming isolation cabinet
30-50.10.10.20	联络柜	high -voltage contact cabinet
30-50.10.10.25	计量柜	high -voltage measure cabinet
30-50.10.10.30	馈线柜	high- voltage feeder cabinet
30-50.10.10.35	电容补偿柜	high -voltage capacitance compensation cabinet

30-50.10.20	高压元器件	high- voltage component
30-50.10.20.10	高压断路器	high -voltage circuit-breaker
30-50.10.20.13	高压隔离开关	high- voltage isolation switch
30-50.10.20.16	高压负荷开关	high- voltage load switch
30-50.10.20.19	高压接触器	high -voltage contacts
30-50.10.20.23	高压熔断器	high- voltage fuses
30-50.10.20.26	操动机构	actuator
30-50.10.20.29	高压绝缘子	high voltage insulator
30-50.10.20.33	高压电压互感器	high voltage transformer
30-50.10.20.36	高压电流互感器	high voltage current transformer
30-50.10.20.39	高压避雷器	high voltage lightning arrester
30-50.10.20.43	接地开关	earthing switch
30-50.10.20.46	带电显示器	presence indicating system
30-50.10.20.49	接地变压器	earthing transformer
30-50.10.30	数据采集与监视控制系统	supervisory control and data acquisition
30-50.10.40	辅助装置	assistive system
30-50.10.40.10	控制及继电保护装置	control and relaying protection device
30-50.10.40.20	直流电源屏	dc power supply panel
30-50.10.40.30	所用电源系统	the power supply system
30-50.20.00	低压配电	low-voltage electrical distribution
30-50.20.10	低压成套柜	low - voltage electrical installation
30-50.20.10.10	进线柜	low-voltage incoming cabinet
30-50.20.10.15	联络柜	low- voltage contact cabinet
30-50.20.10.20	计量柜	low- voltage measure cabinet
30-50.20.10.25	馈线柜	low- voltage feeder cabinet
30-50.20.10.30	双电源切换柜	dual power cutover box
30-50.20.10.35	控制柜	low-voltage control cabinet

30-50.20.20	低压配电箱	low-voltage power distribution box
30-50.20.20.10	照明配电箱	illumination power distribution box
30-50.20.20.20	动力配电箱	dynamic power distribution box
30-50.20.20.30	起动控制箱	starting control box
30-50.20.20.40	双电源切换箱	dual power cutover box
30-50.20.30	低压元器件	low- voltage component
30-50.20.30.10	断路器	low- voltage circuit-breaker
30-50.20.30.15	负荷开关	low- voltage load switch
30-50.20.30.20	隔离开关	low- voltage isolation switch
30-50.20.30.25	电源切换开关	power cutover switch
30-50.20.30.30	剩余电流保护器	leakage current protector
30-50.20.30.35	接触器	low- voltage contactor
30-50.20.30.40	继电器	low- voltage relay
30-50.20.30.45	熔断器组合电器	fuse combination
30-50.20.30.50	电机起动器	motor –starter
30-50.20.30.55	电动机保护器	motor -protector
30-50.20.30.60	电工测量仪表	electrical measuring instrument
30-50.20.40	电能质量调节装置	power quality conditioner
30-50.20.40.10	无功补偿装置	reactive power compensation device
30-50.20.40.20	有源滤波装置	active power filter
30-50.20.40.30	无源滤波装置	passive filter
30-50.20.40.40	动态电压调节器	dynamic voltage regulator
30-50.30.00	变压器	transformer
30-50.30.10	干式变压器	dry-type transformer
30-50.30.10.10	环氧树脂干式变压器	epoxy resin dry-type transformer
30-50.30.10.20	非晶合金干式变压器	amorphous alloy dry-type transformer
30-50.30.20	油浸式变压器	oil-immersed transformer
30-50.30.20.10	油浸自冷式变压器	oil-immersed self-cooled transformer

30-50.30.20.20	全密封油浸式变压器	fully sealed oil-immersed transformer
30-50.30.20.30	全密闭油浸式变压器	fully enclosed oil-immersed transformer
30-50.30.20.40	非晶合金油浸式变压器	amorphous alloy oil-immersed transformer
30-50.30.30	成套变电站	unit substation
30-50.40.00	备用电源	standby power
30-50.40.10	发电机组	engine generators
30-50.40.10.10	柴油发电机组	diesel generator set
30-50.40.10.20	燃气发电机组	gas generator set
30-50.40.20	不间断电源装置	uninterruptible power supply
30-50.40.30	应急电源装置	emergency power supply
30-50.40.40	太阳光伏发电系统	solar photovoltaic power generation system
30-50.40.50	风力发电系统	wind energy systemt
30-51.00.00	照明	lighting
30-51.10.00	电光源	electric light source
30-51.10.10	卤钨灯	tungsten halogen lamp
30-51.10.10.10	照明管型卤钨灯	lighting tube tungsten halogen lamp
30-51.10.10.20	卤钨航标灯泡	tungsten halogen beacon bulb
30-51.10.10.30	卤钨跑道灯泡	tungsten halogen runway bulb
30-51.10.10.40	照明单端卤钨灯	single-ended tungsten halogen lamp
30-51.10.10.50	照明反射型卤钨灯	reflective tungsten halogen lamp
30-51.10.15	低气压荧光灯	low air pressure fluorescent lamp
30-51.10.15.10	直管荧光灯	straight pipe fluorescent lamp
30-51.10.15.20	快速启动荧光灯	quick start fluorescent lamp
30-51.10.15.30	瞬时启动荧光灯	instant start fluorescent lamp
30-51.10.15.40	U 型荧光灯	u-type fluorescent lamp
30-51.10.15.50	环型荧光灯	ring type fluorescent lamp

30-51.10.20	低气压紫外灯	low air pressure ultraviolet lamp
30-51.10.20.10	紫外杀菌灯	uv germicidal lamp
30-51.10.20.20	紫外保健灯	uv health lamp
30-51.10.20.30	黑光荧光灯	blacklight fluorescent
30-51.10.20.40	直管型石英紫外灯	straight quartz uv lamp
30-51.10.20.50	U 型石英紫外灯	u-shaped quartz uv lamp
30-51.10.25	高压汞灯	high-pressure mercury lamp
30-51.10.25.10	荧光高压汞灯	fluorescent high-pressure mercury lamp
30-51.10.25.20	自镇流荧光高压汞灯	self-ballasted fluorescent high-pressure mercury lamp
30-51.10.25.30	专用高压汞灯	dedicated high-pressure mercury lamp
30-51.10.30	钠灯	high-pressure sodium vapour lamps
30-51.10.30.10	透明型高压钠灯	transparent high-pressure sodium lamp
30-51.10.30.15	漫射型高压钠灯	diffuse high-pressure sodium lamp
30-51.10.30.20	反射型高压钠灯	reflective high-pressure sodium lamp
30-51.10.30.25	中显色高压钠灯	moderate cri high-pressure sodium lamp
30-51.10.30.30	高显色高压钠灯	high cri high-pressure sodium lamp
30-51.10.30.35	低压钠灯	low-pressure sodium lamp
30-51.10.35	金属卤化物灯	metal-halide lamp
30-51.10.35.10	照明金属卤化物灯	lighting metal-halide lamp
30-51.10.35.20	双石英金属卤化物灯	double quartz metal-halide lamp
30-51.10.35.30	高色温金属卤化物灯	high color temperature metal-halide lamp
30-51.10.40	LED（发光二极管）	light-emitting lamp
30-51.10.40.10	灯杯	spotlight
30-51.10.40.20	铝灯	aluminum lamp
30-51.10.40.30	球泡灯	bulb
30-51.10.40.40	日光管	fluorescent tube
30-51.10.45	无极灯	electrodeless lamp

30-51.10.50	照明光纤	fiber-optic lighting
30-51.20.00	照明灯具	lighting luminaire
30-51.20.10	室内照明灯具	indoor lighting luminaire
30-51.20.10.03	吊灯	chandelier
30-51.20.10.06	吸顶灯	ceiling
30-51.20.10.09	壁灯	wall lamp
30-51.20.10.13	嵌入式灯	recessed light
30-51.20.10.16	暗槽灯	cove light
30-51.20.10.19	洗墙灯	wall washer
30-51.20.10.23	筒灯	downlight
30-51.20.10.26	射灯	spotlight
30-51.20.10.29	台灯	table lamp
30-51.20.10.33	落地灯	floor lamp
30-51.20.10.36	装饰性吊花灯	decorative hanging lantern
30-51.20.10.39	应急照明灯	emergency lighting
30-51.20.10.43	投光灯	spotlights
30-51.20.10.46	洁净灯	clean light
30-51.20.10.49	室内 LED 光源一体化灯	indoor integrated led light fixture
30-51.20.20	室外照明灯具	outdoor lighting luminaire
30-51.20.20.03	高杆灯	pole
30-51.20.20.06	投光灯	spotlight
30-51.20.20.09	隧道灯	tunnel light
30-51.20.20.13	庭院灯	courtyard
30-51.20.20.16	草坪灯	lawn
30-51.20.20.19	埋地灯	buried light
30-51.20.20.23	幕墙灯	wall light
30-51.20.20.26	障碍灯	obstacle lights flash station

30-51.20.20.29	机场跑道灯	airport runway light
30-51.20.20.33	水下灯	underwater light
30-51.20.20.36	护栏扶手灯	guardrail handrail light
30-51.20.20.39	线条灯	line light
30-51.20.20.43	高天棚灯	high ceiling lamp
30-51.20.20.46	室外 LED 光源一体化灯	outdoor integrated led light fixture
30-51.20.20.49	光伏电源一体化灯	integrated photovoltaic light fixture
30-51.30.00	照明附件	lighting accessories
30-51.40.00	通断开关及接插件	on-off switch and connector
30-51.40.10	通断开关	on-off switch
30-51.40.10.10	翘板式开关	rocker switch
30-51.40.10.15	卡式开关	cassette switch
30-51.40.10.20	触摸式开关	touch switch
30-51.40.10.25	声光控开关	sound and light control switch
30-51.40.10.30	组合开关	rotary switch
30-51.40.10.35	遥控开关	remote switch
30-51.40.20	接插件	connector
30-51.40.20.10	插座	socket-outlet
30-51.40.20.20	工业连接器	industry connector
30-51.40.30	调节器	regulator
30-51.40.30.10	调光装置	dimming device
30-51.40.30.20	调速装置	speeder
30-51.50.00	舞台照明设备	stage lighting equipment
30-51.50.10	舞台灯具	stage lighting
30-51.50.10.03	聚光灯	spot light
30-51.50.10.06	追光灯	follow spot light
30-51.50.10.09	柔光灯	soft light

30-51.50.10.13	投影幻灯	projection magic lantern
30-51.50.10.16	地排散光灯	floodlight
30-51.50.10.19	回光灯	back lighting
30-51.50.10.23	激光器	laser
30-51.50.10.26	电脑灯	moving light
30-51.50.10.29	成像灯	etcparofile
30-51.50.10.33	散光灯	stage foot light
30-51.50.10.36	舞台脚光灯	ceiling beam floodlight
30-51.50.10.39	天排散光灯	ground row floodlight
30-51.50.10.43	转角式换色器	corner type color changer
30-51.50.20	舞台调光设备	light dimmer
30-51.50.30	导轨及配件	guide rail and accessories
30-52.00.00	防雷及接地	lightning protection and ground connection
30-52.10.00	浪涌保护器	surge protector
30-52.10.10	电源浪涌保护器	primary surge protector
30-52.10.20	信号线路浪涌保护器	secondary surge protector
30-52.10.30	天馈线路浪涌保护器	third stage surge protector
30-52.20.00	防雷装置	surge arrester
30-52.20.10	内部防雷装置	indoor surge arrester
30-52.20.20	外部防雷装置	outdoor surge arrester
30-52.30.00	接地模块	grounding module
30-52.40.00	降阻剂	resistance reduction agent
30-53.00.00	输配电器材	transmission and distribution equipment
30-53.10.00	封闭母线及电缆电线	enclosed bus and wire or cable
30-53.10.10	封闭母线	enclosed bus
30-53.10.10.10	树脂绝缘封闭母线	resin insulation enclosed bus
30-53.10.10.20	空气绝缘封闭母线	air insulated enclosed bus

30-53.10.20	电缆	cable
30-53.10.20.10	矿物绝缘电缆	mineral insulated cable
30-53.10.20.15	柔性矿物绝缘电缆	flexible mineral insulated cable
30-53.10.20.20	低烟无卤电缆	low-smoke halogen-free flame cable
30-53.10.20.25	交联聚乙烯绝缘聚氯乙烯护套电力电缆	power cable with cross-linked polyethylene insulation pvc sheath
30-53.10.20.30	聚乙烯绝缘聚氯乙烯护套电力电缆	power cable with polyethylene insulation pvc sheath
30-53.10.20.35	聚乙烯绝缘聚氯乙烯护套控制电缆	control cable with polyethylene insulation pvc sheath
30-53.10.20.40	橡胶套电缆	rubber cable
30-53.10.30	预分支电力电缆	prefabricated branch power cable
30-53.10.40	电线	wire
30-53.10.40.10	铜芯聚氯乙烯绝缘电线	copper- conductor and pvc insulation wire
30-53.10.40.20	铜芯聚氯乙烯绝缘聚氯乙烯护套圆型护套电线	copper core pvc insulated and pvc sheathed circular sheathed wire
30-53.10.40.30	低烟无卤电线	low-smoke halogen-free flame wire
30-53.10.40.40	聚氯乙烯绝缘屏蔽线	pvc insulation
30-53.10.50	电线、电缆附件	wire and cable accessories
30-53.20.00	电缆电线敷设器材	cable installation material
30-53.20.10	电缆桥架	made cable support system
30-53.20.10.10	封闭式桥架	enclosed cable support system
30-53.20.10.20	敞开式桥架	open cable support system
30-53.20.10.30	托架	bracket
30-53.20.20	线槽	trunking
30-53.20.20.10	金属线槽	metal trunking
30-53.20.20.20	非金属线槽	non-metallic trunking
30-53.20.30	电线、电缆配线管材	wire and cable pipe

30-53.20.30.10	焊接钢管	welded steel pipe
30-53.20.30.20	套接扣压式薄壁钢管	swaged socket thin-wall steel pipe
30-53.20.30.30	聚氯乙烯硬质电线管	pvc rigid wire pipe
30-53.20.30.40	可挠性金属软管	flexible metal hose
30-54.00.00	智能化集成	intelligent integrated
30-54.10.00	系统集成软件	intergration software
30-54.10.10	通用软件	common software
30-54.10.20	专用软件	special software
30-54.20.00	系统集成硬件	intergration hardwar
30-54.20.10	主机设备	host equipment
30-54.20.10.10	服务器	server
30-54.20.10.20	管理机	supervisory computer
30-54.20.10.30	工作站	workstation
30-54.20.20	显示屏	display scree
30-54.20.30	存储器	storage
30-54.30.00	接口装置	interface device
30-55.00.00	通讯、信息	communication and information system
30-55.10.00	通信接入设备	communication access device
30-55.10.10	机柜	equipment cabinet
30-55.10.20	过电压保护器	overvoltage protector
30-55.10.30	配线架	distribution frame
30-55.15.00	电话交换设备	phone switching equipment
30-55.15.10	电话交换机	program-controlled switches
30-55.15.10.10	模拟电话交换机	analog telephone exchange
30-55.15.10.20	数字电话交换机	digital telephone exchange
30-55.15.20	配线柜（箱）	distribution cabinet
30-55.15.30	普通电话机	telephone
30-55.15.40	数字电话机	digital telephone

30-55.15.50	传真机	fax
30-55.20.00	信息网络设备	information network device
30-55.20.10	核心交换机	core switch
30-55.20.15	接入交换机	access switch
30-55.20.20	无线交换机	wireless switch
30-55.20.25	服务器	server
30-55.20.30	防火墙	firewall
30-55.20.35	路由器	router
30-55.20.40	集线器	concentrator
30-55.20.45	上网行为管理系统	network supervision system
30-55.25.00	综合布线系统设备	integrated wiring system equipment
30-55.25.10	配线架	distributing frame
30-55.25.10.10	电子配线架	electronic wiring frame
30-55.25.10.20	光纤配线架	fibre distribution frame
30-55.25.10.30	电缆配线架	cable distributor
30-55.25.15	光纤	optical fibre
30-55.25.20	光纤耦合器	fibre coupler
30-55.25.25	光缆转换器	cable converter
30-55.25.30	大对数电缆	a large number of cables
30-55.25.35	双绞线	twisted-pair
30-55.25.40	信息模块	information module
30-55.25.45	信息面板	information panel
30-55.30.00	无线对讲设备	wireless intercom equipment
30-55.30.10	中转台	the transfer station
30-55.30.20	双工器	duplexer
30-55.30.30	功分器	power divider
30-55.30.40	对讲机	intercom
30-55.35.00	移动通信覆盖设备	mobil communication cover equipment

30-55.35.10	光端机	optical transmitter and receiver
30-55.35.20	无线接入器	wireless access device
30-55.35.30	电耦合器	electric coupling
30-55.35.40	电分（合）路器	shunt
30-55.35.50	通信天线	communication antenna
30-55.40.00	卫星通信设备	satellite communication equipment
30-55.40.10	卫星通信天线	satellite communication antenna
30-55.40.20	卫星双向通信控制器	bidirectional communication controller for satellite
30-55.40.30	卫星调制解调器	satellite modem
30-55.45.00	有线电视及卫星电视接收设备	cable and satellite tv receiving equipment
30-55.45.10	卫星电视天线	satellite tv antenna
30-55.45.15	数字接收机	digital receiver
30-55.45.20	功分器	power divider
30-55.45.25	光端机	optical transmitter and receiver
30-55.45.30	编解码器	codec
30-55.45.35	有线电视出线盒	cable outlet box
30-55.45.40	分配器	distributor
30-55.45.45	分支器	branch device
30-55.45.50	放大器	amplifier
30-55.45.55	终端负载电阻	the terminal load resistance
30-55.45.60	电视信号面板	television signal panel
30-55.45.65	射频电缆	radio-frequency cable
30-55.50.00	会议扩声设备	conference amplifying equipment
30-55.50.03	会议主机	conference host
30-55.50.06	切换台	switching station
30-55.50.09	音频处理器	audio processor

30-55.50.13	调音台	the mixer
30-55.50.16	反馈抑制器	feedback suppressor
30-55.50.19	效果器	effect
30-55.50.23	耳机	earphone
30-55.50.26	功率放大器	power amplifier
30-55.50.29	话筒	microphone
30-55.50.33	扬声器	loudspeaker
30-55.50.36	前置放大器	the preamplifier
30-55.50.39	音量调节器	volume regulator
30-55.50.43	调谐器	tuner
30-55.50.46	网络音频控制器	network audio controller
30-55.55.00	信息发布系统设备	information publishing system
30-55.55.10	触摸屏	touch screen
30-55.55.15	投影机	projector
30-55.55.20	投影幕	projection screen
30-55.55.25	显示设备	display device
30-55.55.25.10	CRT 显示器	crt display
30-55.55.25.20	DLP 显示器	dlp display
30-55.55.25.30	LCD 显示器	lcd display
30-55.55.25.40	PDP 显示器	pdp display
30-55.55.25.50	LED 显示器	led display
30-55.55.30	视频控制器	video controller
30-55.55.35	多画面切割器	multi picture cutter
30-55.60.00	时钟系统设备	clock system equipment
30-55.60.10	时钟控制计算机（含专用管理软件）	the clock control computer (including special software)
30-55.60.15	GPS 接收装置	gps receiving apparatus
30-55.60.20	接口扩展单元	interface unit

30-55.60.25	时钟接口设备	clock interface equipment
30-55.60.30	母钟	primary clock
30-55.60.35	子钟	secondary clock
30-56.00.00	建筑设备管理	construction equipment management system
30-56.10.00	建筑设备监控系统设备	building equipment control system
30-56.10.10	传感器	sensor
30-56.10.10.10	温度传感器	temperature sensor
30-56.10.10.15	湿度传感器	moisture sensor
30-56.10.10.20	压力传感器	pressure pickup
30-56.10.10.25	浓度传感器	concentration sensor
30-56.10.10.30	液位传感器	liquid level sensor
30-56.10.10.35	流量变送器	flow transmitter
30-56.10.10.40	差压变送器	differential pressure transmitter
30-56.10.20	现场控制器	the controller
30-56.10.30	模块	module
30-56.10.30.10	模拟量输入（AI）模块	analog input (ai) module\
30-56.10.30.20	模拟量输出（AO）模块	analog output (ao) module
30-56.10.30.30	数字量输入（DI）模块	digital input (di) module
30-56.10.30.40	数字量输出（DO）模块	digital output (do) module
30-56.10.40	执行器	actuator
30-56.10.40.10	阀门执行器	valve actuator
30-56.10.40.20	风门执行器	damper actuator
30-56.10.50	建筑设备控制主机（含专用管理软件）	the building equipment control host (including special management software)
30-56.20.00	建筑能效监管系统设备	energy efficiency supervision system
30-56.20.10	数据采集器	data recorder
30-56.20.20	能效监管主机（含专用	energy efficiency supervision host

	管理软件)	(including special management software)
30-57.00.00	公共安全	the public security system
30-57.10.00	火灾自动报警及消防联动控制系统设备	automatic fire alarm and coordinated control system
30-57.10.10	探测器	detector
30-57.10.10.10	点型探测器	point type detector
30-57.10.10.20	线型探测器	linear detector
30-57.10.10.30	早期火灾预警探测器	early warning fire detector
30-57.10.10.40	有害气体泄漏探测器	harmful gas leakage detector
30-57.10.15	手动报警按钮	manual alarm button
30-57.10.20	楼层显示装置	floor display device
30-57.10.25	报警控制模块	alarm control module
30-57.10.25.10	输入报警控制模块	input alarm control module
30-57.10.25.20	输出报警控制模块	alarm output control module
30-57.10.25.30	输入输出模块	input and output module
30-57.10.30	报警显示盘	alarm display panel
30-57.10.35	报警主机 (含专用管理软件)	alarm host (including special management software)
30-57.10.40	报警控制器	alarm controller
30-57.10.40.10	区域报警控制器	regional alarm controller
30-57.10.40.20	集中报警控制器	concentrated alarm controller
30-57.10.45	消防控制台	fire control console
30-57.10.45.10	联动控制柜 (台)	linkage control cabinet (console)
30-57.10.45.20	手动控制台	handheld console
30-57.10.50	消防巡检柜	fire inspection cabinet
30-57.10.55	火灾警报装置	the fire alarm device
30-57.10.60	火灾应急广播	fire emergency broadcast
30-57.10.60.10	消防专用扬声器	the fire special speaker

30-57.10.60.20	楼层切换器	floor switcher
30-57.10.60.30	扩音机	amplifier
30-57.10.60.40	消防专用话筒	the fire special microphone
30-57.10.65	消防专用电话	fire special telephone
30-57.10.65.10	消防专用电话插孔	fire special telephone jack
30-57.10.65.20	消防专用电话分机	fire special telephone extension
30-57.10.65.30	消防专用电话主机	fire special telephone host
30-57.20.00	安全防范系统设备	security and protection system
30-57.20.10	视频监控系统	video monitoring system
30-57.20.10.10	视频监控主机	video monitoring host
30-57.20.10.15	视频传输电缆	video transmission cable
30-57.20.10.20	监控摄像机	surveillance camera
30-57.20.10.25	监控用镜头	monitoring camera lens
30-57.20.10.30	云台	pan
30-57.20.10.35	云台控制器	ptz controller
30-57.20.10.40	视频显示设备	video display device
30-57.20.10.45	视频存储设备	video storage device
30-57.20.15	出入口控制系统	entrance control system
30-57.20.15.10	出入口控制主机	entrance control host
30-57.20.15.20	身份识别装置	the identification device
30-57.20.15.30	出门按钮	push button
30-57.20.15.40	电锁	electric lock
30-57.20.20	入侵报警系统	intrusion alarm system
30-57.20.20.10	入侵报警主机	intrusion alarm host
30-57.20.20.15	微波探测器	microwave detector
30-57.20.20.20	主动式红外探测器	active infrared detector
30-57.20.20.25	被动式红外探测器	passive infrared detector
30-57.20.20.30	超声波探测器	ultrasonic detector

30-57.20.20.35	玻璃破碎探测器	glass break detector
30-57.20.20.40	双/三技术探测器	double / three detector
30-57.20.20.45	入侵报警控制器	intrusion alarm controller
30-57.20.20.50	振动电缆探测器	vibration of cable detector
30-57.20.20.55	光纤探测器	optical fiber detector
30-57.20.20.60	电子围栏	electronic fence
30-57.20.25	访客对讲系统	the intercom system
30-57.20.25.10	访客对讲控制主机	intercom control host
30-57.20.25.20	室外机	the outdoor machine
30-57.20.25.30	室内机	the indoor machine
30-57.20.30	电子巡查系统	electronic patrol system
30-57.20.30.10	离线式电子巡查系统设备	off-line electronic patrol system equipment
30-57.20.30.20	在线式电子巡查系统设备	online electronic patrol system equipment
30-57.20.35	汽车库(场)管理系统	the garage (field) management system
30-57.20.35.10	汽车库(场)管理系统主机	the garage (field) management system host
30-57.20.35.15	停车发/读卡机	stop hair / reader
30-57.20.35.20	道闸	the gate
30-57.20.35.25	阻车桩	vehicle resistance pile
30-57.20.35.30	地感线圈	induction coil
30-57.20.35.35	停车管理软件	the garage (field) management software
30-57.20.35.40	满位显示屏	full screen
30-60.00.00	小区公共设施	utlities
30-60.10.00	公用给水设施	water utilities
30-60.10.10	小区市政配水管道	water utilities distribution piping
30-60.10.10.10	小区市政自来水输水管	public water utility distribution piping

30-60.10.10.20	小区市政消防给水管	fire suppression utility water distribution piping
30-60.10.20	小区市政给水设备	water utility distribution equipment
30-60.10.20.10	小区市政给水系统阀部件	water service connection and valve
30-60.10.20.20	给水泵站	water utility pumping station
30-60.10.20.30	市政消防设施	fire suppression utility
30-60.10.30	市政给水处理设备	water-supply treatment equipment
30-60.10.30.10	混合絮凝设备	mixer and flocculator
30-60.10.30.20	沉淀过滤设备	deposition and filtration equipment
30-60.10.30.30	药品添加设备	chemical feed equipment
30-60.10.30.40	水软化设备	water softening equipment
30-60.10.30.50	消毒设备	water disinfecting equipment
30-60.10.40	市政给水构筑物	water utility structure
30-60.10.40.10	取水构筑物	intake structure
30-60.10.40.20	水处理构筑物	water treatment structure
30-60.10.40.30	调蓄构筑物	adjusting structure
30-60.10.40.40	给水井	water supply well
30-60.20.00	公用污水排水设施	sanitary sewerage utilities
30-60.20.10	污水排水管	sanitary utility sewerage piping
30-60.20.10.10	公共污水排水管	public sanitary utility sewerage piping
30-60.20.10.20	工业废水排水管	industrial water utility sewerage piping
30-60.20.20	污水泵	sewage pump
30-60.20.20.10	成套污水提升设备	packaged utility lift station
30-60.20.20.20	潜污泵	subaqueous sewage pump
30-60.20.30	污水排水构筑物	sanitary sewerage structure
30-60.20.30.10	污水检查井	sanitary inspection chamber
30-60.20.30.20	调节池	balance tank

30-60.20.30.30	沉淀池	sedimentation basin
30-60.20.30.40	过滤池	filter chamber
30-60.20.40	污（废）水处理设备	fluid waste treatment and disposal equipment
30-60.20.40.10	格栅设备	gird sewage equipment
30-60.20.40.15	沉淀池设备	sedimentation tank equipment
30-60.20.40.20	浮渣清理设备	scum removal equipment
30-60.20.40.25	化学/生化处理设备	chemical biochemical treatment equipment
30-60.20.40.30	污泥处理设备	sludge handing and treatment equipment
30-60.20.40.35	除油设备	oil removal equipment
30-60.20.40.40	过滤加压设备	filter press equipment
30-60.20.40.45	充氧设备	acration equipment
30-60.20.40.50	污泥消化设备	sludge digestion equipment
30-60.20.40.55	成套污水处理设备	package sewage treatment plant
30-60.30.00	雨水排水设施	storm drainage utilities
30-60.30.10	雨水排水管	storm utility drainage piping
30-60.30.20	涵洞	culvert
30-60.30.20.10	管涵	pipe culvert
30-60.30.20.20	混凝土涵洞	concrete culvert
30-60.30.30	雨水排水构筑物	storm utility water drains structure
30-60.30.30.10	雨水口	catchbasins
30-60.30.30.20	雨水明沟	utility trench drain
30-60.30.30.30	雨水检查井	manhole
30-60.30.30.40	雨水池	rain water storage tank
30-60.40.00	市政中水设施	reclaimed water utility
30-60.40.10	市政中水配水管道	reclaimed water distribution piping of utility

30-60.40.20	市政中水配水设备	reclaimed water distribution equipments of utility
30-60.40.30	市政中水处理设施	reclaimed water process utility
30-60.40.30.10	市政中水物化处理设施	physical and chemical process facility of reclaim water utility
30-60.40.30.20	市政中水生化处理设施	biochemical process facility of reclaim water utility
30-60.50.00	市政燃气设备	municipal gas equipment
30-60.50.10	市政燃气调压装置	regulator device
30-60.50.15	控制阀门	control valve
30-60.50.20	管道补偿器	expansion joint
30-60.50.25	疏水装置	steam trap connection
30-60.50.30	凝水缸	syphon
30-60.50.35	放散装置	vent valve connection
30-60.50.40	燃气储藏设备	gas storage equipment
30-60.50.45	储气罐	gasholder
30-60.50.45.10	低压储气罐	low pressure gasholder
30-60.50.45.20	高压储气罐	high pressure gasholder
30-60.50.50	液化石油气设备	lpg equipment
30-60.50.50.10	气化设备	vaporizer
30-60.50.50.20	储存设备	plg storage
30-60.60.00	市政供暖设备	municipal heating equipment
30-60.60.10	供热管线	heat-supply pipeline
30-60.60.10.10	管道	piping
30-60.60.10.20	管道支座和支架	pipe support and pipe trestle
30-60.60.10.30	管道阀部件	connection and valve
30-60.60.20	区域锅炉房设备	regional boiler room equipment
30-60.60.30	区域热力站设备	branch-line substation equipment

30-61.00.00	人防设施	facility civil air defence
30-61.10.00	人防给排水设备	civil air defence plumbing facility
30-61.10.10	人防给排水阀部件	civil air defence plumbing valve and part
30-61.10.10.10	防爆波阀	blastproof valve
30-61.10.10.20	防爆波地漏	blastproof floor drain
30-61.10.20	人防给排水设备	civil air defence plumbing equipment
30-61.20.00	人防通风设备	ventilation equipment for civil air defence
30-61.20.10	人防通风阀、部件	ventilation valve and part for civil air defence
30-61.20.10.10	密闭阀	airtight valve
30-61.20.10.20	自动排气活门	automatic exhaust valve
30-61.20.10.30	过滤吸收器	gas particulate filter
30-61.20.10.40	粗过滤器	roughing filter
30-61.20.20	人防通风机	fans of civil air defence
30-61.30.00	人防出入口设施	entrance of civil air defence
30-61.30.10	防护密闭门	airtight blast door
30-61.30.20	密闭门	airtight door
30-61.30.30	防倒塌棚架	collapse-proof shed
30-61.40.00	人防电气设备	electrical equipment for civil air defense
30-61.40.10	无油防潮高压成套柜	oil-free and anti-moisture high- voltage electrical installation
30-61.40.20	无油防潮低压成套柜	oil-free and anti-moisture low- voltage electrical installation
30-61.40.30	无油防潮变压器	oil-free and anti-moisture transformer

附录 L 组织角色

表 31 组织角色

类目编码	类目中文	类目英文
31-10.00.00	开发角色	development roles
31-10.10.00	建设方	construction unit
31-10.10.10	开发商	developer
31-10.10.20	企业实体	enterprise entity
31-10.10.30	公共实体	public entity
31-10.20.00	合伙人	working partner
31-20.00.00	勘察设计角色	investigation and design roles
31-20.10.00	院层级	designing institute hierarchy
31-20.10.02	院长	president of designing institute
31-20.10.04	副院长	vice president of designing institute
31-20.10.06	院长助理	president assistant of designing institute
31-20.10.08	院总建筑师	chief architect of designing institute
31-20.10.10	院执行总建筑师	executive chife architect of designing institute
31-20.10.12	院资深副总建筑师	veteran vice chife architect of designing institute
31-20.10.14	院副总建筑师	vice chief architect of designing institute
31-20.10.16	院总规划师	chife planner of designing institute
31-20.10.18	院执行总规划师	executive chife planner of designing institute
31-20.10.20	院资深副总规划师	veteran vice chife planner of designing institute
31-20.10.22	院副总规划师	vice chife planner of designing institute
31-20.10.24	院总工程师	chief engineer of designing institute
31-20.10.26	院执行总工程师	executive chife engineer of designing institute
31-20.10.28	院资深副总工程师	veteran vice chife engineer of designing institute
31-20.10.30	院副总工程师	vice chife engineer of designing institute
31-20.10.32	院职能总监	function chife supervisor of designing institute
31-20.10.34	院财务总监	financial chife supervisor of designing institute

31-20.10.36	院营销总监	marketingchife supervisor of designing institute
31-20.10.38	院人力资源总监	human resource chife supervisor of designing institute
31-20.10.40	院项目总监	project chief supervisor of designing institute
31-20.20.00	中层管理人员	middle management
31-20.20.02	事业部部长	minister of division
31-20.20.04	事业部副部长	vice minister of division
31-20.20.06	事业部部长助理	minister assistant of division
31-20.20.08	所长	district inspector
31-20.20.10	副所长	vice district inspector
31-20.20.12	所长助理	inspector assistant of
31-20.20.14	中心主任	director of center
31-20.20.16	中心副主任	vice director of center
31-20.20.18	工作室主任	director of studio
31-20.20.20	工作室副主任	vice director of studio
31-20.20.22	职能部门主任	director of function department
31-20.20.24	职能部门主任助理	director assistant of function department
31-20.20.26	事业部总建筑师	chief architect of division
31-20.20.28	事业部副总建筑师	vice chief architect of division
31-20.20.30	事业部总规划师	chife planner of division
31-20.20.32	事业部副总规划师	vice chife planner of division
31-20.20.34	事业部总工程师	chief engineer of division
31-20.20.36	事业部副总工程师	vice chief engineer of division
31-20.20.38	所总建筑师	chife architect of district
31-20.20.40	所副总建筑师	vice chife architect of district
31-20.20.42	所总规划师	chife planner of district
31-20.20.44	所副总规划师	vice chife planner of district
31-20.20.46	所总工程师	chife engineer of district

31-20.20.48	所副总工程师	vice chife engineer of district
31-20.20.50	中心总建筑师	chief architect of center
31-20.20.52	中心副总建筑师	vice chief architect of center
31-20.20.54	中心总规划师	chife planner of center
31-20.20.56	中心副总规划师	vice chife planner of center
31-20.20.58	中心总工程师	chief engineer of center
31-20.20.60	中心副总工程师	vice chief engineer of center
31-20.30.00	员工	staff
31-20.30.02	主任建筑师	directing architect
31-20.30.04	资深建筑师	veteran architect
31-20.30.06	主创建筑师	chife creating architect
31-20.30.08	建筑师	architect
31-20.30.10	助理建筑师	assistant architect
31-20.30.12	见习建筑师	intern architect
31-20.30.14	主任规划师	directing planner
31-20.30.16	资深规划师	veteran planner
31-20.30.18	主管规划师	chife management planner
31-20.30.20	规划师	planner
31-20.30.22	助理规划师	assistant planner
31-20.30.24	见习规划师	intern assistant
31-20.30.26	主任工程师	directing engineer
31-20.30.28	资深工程师	veteran engineer
31-20.30.30	主管工程师	chife management engineer
31-20.30.32	工程师	engineer
31-20.30.34	助理工程师	assistant engineer
31-20.30.36	见习工程师	intern engineer
31-20.30.38	职能主管	function chife manager
31-20.30.40	资深职能专员	veteran function commissioner

31-20.30.42	高级职能专员	advanced function commissioner
31-20.30.44	职能专员	function commissioner
31-20.30.46	职能助理	function assistant
31-30.00.00	施工角色	construction roles
31-30.10.00	公司机关层级	company organization hierarchy
31-30.10.10	决策层	decision hierarchy
31-30.10.10.10	董事长	chairman
31-30.10.10.15	总经理	general manager
31-30.10.10.20	副总经理	vice general manager
31-30.10.10.25	总会计师	chife accountant
31-30.10.10.30	总工程师	chife engineer
31-30.10.10.35	总经济师	chife economist
31-30.10.20	高级管理层	advanced manage hierarchy
31-30.10.20.10	助理总经理	chife manager assistant
31-30.10.20.15	三副总师	third vice director and chief engineer
31-30.10.20.20	部门总经理	chife manager of department
31-30.10.20.25	部门副总经理	vice chife manager of department
31-30.10.30	经理层	manager hierarchy
31-30.10.30.10	资深经理	veteran manager
31-30.10.30.20	高级经理	advanced manager
31-30.10.40	主管层	chife management hierarchy
31-30.10.40.10	执行经理	executive manager
31-30.10.40.20	经营经理	business manager
31-30.10.50	业务层	business hierarchy
31-30.10.50.10	业务员	business expenditure
31-30.20.00	项目部层级	project hierarchy
31-30.20.10	项目部领导	project leader
31-30.20.10.10	项目经理	project manager

31-30.20.10.15	项目党组织书记	secretary of the project party organization
31-30.20.10.20	合约商务经理	business contract manager
31-30.20.10.25	项目总工	chife engineer of project
31-30.20.10.30	生产经理	product manager
31-30.20.10.35	机电经理	mechanical and electrical manager
31-30.20.10.40	质量总监	quality chife supervisor
31-30.20.10.45	安全总监	security chife supervisor
31-30.20.20	项目部职能人员	function worker of project
31-30.20.20.11	合约工程师	contract engineer
31-30.20.20.13	成本工程师	cost engineer
31-30.20.20.15	采购工程师	procurement engineer
31-30.20.20.17	材料工程师	material engineer
31-30.20.20.19	机械工程师	mechanical engineer
31-30.20.20.21	后勤保卫主管	logistics and defend chife manager
31-30.20.20.23	信息管理工程师	information management engineer
31-30.20.20.25	公共关系主管	public relations chife manager
31-30.20.20.27	内业技术工程师	inner technology engineer
31-30.20.20.29	测量工程师	measurement engineer
31-30.20.20.31	资料员	information man
31-30.20.20.33	试验工程师	experiment engineer
31-30.20.20.35	钢筋工程师	reinforced engineer
31-30.20.20.37	混凝土工程师	concrete engineer
31-30.20.20.39	模板工程师	template engineer
31-30.20.20.41	装修工程师	decorate engineer
31-30.20.20.43	计划管理工程师	program management engineer
31-30.20.20.45	劳务管理工程师	labor management engineer
31-30.20.20.47	给排水工程师	water supply and drainage engineer
31-30.20.20.49	电气工程师	electrical engineer

31-30.20.20.51	设备工程师	equipment engineer
31-30.20.20.53	暖通工程师	hvac engineer
31-30.20.20.55	智能化系统工程师	intelligent system engineer
31-30.20.20.57	质量工程师	quality engineer
31-30.20.20.59	安全工程师	security engineer
31-30.20.20.61	环保工程师	environmental protection engineer
31-30.20.20.63	会计	accounting
31-30.20.20.65	出纳	cashier
31-40.00.00	监理角色	supervising roles
31-40.10.00	总监理工程师	chife supervising engineer
31-40.10.10	总监理工程师代表	representor of chife supervising engineer
31-40.10.20	副总监理工程师	vice chife supervising engineer
31-40.20.00	各专业监理工程师	supervising engineer of each major
31-40.20.10	土建监理	civil engineering supervisor
31-40.20.15	设备监理	equipment supervisor
31-40.20.20	安全监理	security supervisor
31-40.20.25	旁站监理	station supervisor
31-40.20.30	信息监理	information supervisor
31-40.30.00	监理员	supervisor
31-50.00.00	使用角色	user roles
31-50.10.00	业主	owner
31-50.10.10	自然人	natural person
31-50.10.20	法人	legal person
31-50.10.30	其他组织	other organization
31-50.20.00	设备使用角色	equipment using roles
31-50.20.10	设备经理	equipment manager
31-50.20.20	设备工程师	equipment rngineer
31-50.30.00	设备服务角色	equipment service roles

31-50.30.10	保管员	keeper
31-50.30.20	维修员	maintenance man
31-60.00.00	支持角色	supporting roles
31-60.10.00	行政服务角色	administrative service roles
31-60.10.10	办公室主任	office director
31-60.10.15	行政助理	administration assistant
31-60.10.20	接待员	receptionist
31-60.10.25	档案员	archivists
31-60.10.30	实习生	intern
31-60.10.35	助手	assistant
31-60.20.00	专业服务角色	professional service roles
31-60.20.10	专家	expert
31-60.20.15	顾问	consultant
31-60.20.20	资料员	librarian
31-60.20.25	绘图员	draftman
31-60.20.30	培训师	trainer
31-60.20.35	市场角色	marketing roles
31-60.20.40	金融角色	financial roles
31-60.20.45	律师	lawyer
31-60.20.50	代理人	agent
31-70.00.00	团队角色	team hierarchy
31-70.10.00	团队	teams
31-70.10.10	任务团队	task team
31-70.10.20	特别小组	special team
31-70.15.00	股东会	shareholders meeting
31-70.20.00	董事会	boards
31-70.25.00	监事会	supervision committee
31-70.30.00	委员会	committees

31-70.30.10	特别委员会	special committee
31-70.40.00	商业机构	business organizations
31-70.50.00	非盈利机构	nonprofit organizations
31-70.50.10	协会	association
31-70.50.20	基金会	foundation organization
31-70.50.30	工会	trade union

附录 M 工具

表 32 工具

类目编码	类目中文	类目英文
32-01.00.00	信息工具	information tool
32-01.10.00	管理工具	management tool
32-01.10.10	计算机硬件	computer hardware
32-01.10.10.10	台式机	desktop
32-01.10.10.15	笔记本电脑	laptop
32-01.10.10.20	服务器	servers
32-01.10.10.25	一体机	AIO
32-01.10.10.30	工作站	workstation
32-01.10.10.35	网络设备	network devices
32-01.10.10.40	安防设备	security products
32-01.10.10.45	其他计算机硬件	other computer hardware
32-01.10.20	办公设备	office equipment
32-01.10.20.10	打印机	printer
32-01.10.20.15	传真机	fax machine
32-01.10.20.20	复印机	copying machine
32-01.10.20.25	扫描仪	scanister
32-01.10.20.30	绘图仪	tracer
32-01.10.20.35	投影仪	projector
32-01.10.20.40	其他办公设备	other office equipment
32-01.10.30	计算机软件	computer software
32-01.10.30.10	系统软件	systems software
32-01.10.30.20	应用软件	interent application
32-01.10.30.30	编程软件	programming software
32-01.20.00	设计工具	design tool
32-01.20.10	制图工具	drawing tool

32-01.20.20	制图软件	cartographic software
32-01.20.20.10	计算机辅助设计软件	computer-aided design software
32-01.20.20.20	BIM 软件	building information modeling
32-01.20.30	分析工具	analytical tool
32-01.20.30.10	有限元分析软件	ansys
32-01.20.30.20	建筑能耗分析	building energy analysis
32-01.20.30.30	建筑日照分析	architectural sunshine analysis
32-01.20.30.40	建筑节能分析软件	pbeca
32-01.20.30.50	其他分析工具	other analysis tools
32-01.20.40	指南规范系统	guide specification system
32-01.20.40.03	建筑专业图集	architecture atlas
32-01.20.40.06	结构专业图集	structure atlas
32-01.20.40.09	给排水专业图集	water supply and drainage atlas
32-01.20.40.13	暖通空调专业图集	hvac atlas
32-01.20.40.16	动力专业图集	thermal power atlas
32-01.20.40.19	电气专业图集	electrical atlas
32-01.20.40.23	智能化专业图集	intelligent system atlas
32-01.20.40.26	人防专业图集	air-defense atlas
32-01.20.40.29	城市道路专业图集	urban road atlas
32-01.20.40.33	市政给排水专业图集	municipal water supply and drainage atlas
32-01.20.40.36	建筑设计标准规范	architectural design standard
32-01.20.40.39	建筑设计综合规范	architectural design of comprehensive specification
32-01.20.40.43	特殊建筑规范	special building codes
32-01.20.40.46	建筑节能规范	building energy efficiency codes
32-01.20.40.49	建筑防火规范	building design for fire protection codes
32-01.20.40.53	建筑技术规范	building specification codes
32-01.30.00	建设信息工具	the construction information tools

32-01.30.10	测量工具	measuring tool
32-01.30.10.05	经纬仪	theodolite
32-01.30.10.10	水准仪	level
32-01.30.10.15	平板仪	plane table equipment
32-01.30.10.20	电磁波测距仪	edmi
32-01.30.10.25	陀螺经纬仪	gyro theodolite
32-01.30.10.30	全站仪	total station
32-01.30.10.35	GPS	global position system
32-01.30.10.40	三维激光扫描仪	3-d laser scanner
32-01.30.10.45	其他测量仪器	other measuring instruments
32-01.40.00	设备维护信息工具	equipment maintenance information tools
32-01.40.10	设备维护软件	equipment maintenance software
32-01.40.10.10	计算机辅助设施管理 （ CAFM ）软件	computer aided facility management (caf) software
32-01.40.10.20	计算机化维护管理系统 （ CMMS ）软件	the computerized maintenance management system (cmms) software
32-01.40.10.30	楼宇自动化系统（BAS） 软件	building automation system (bas) software
32-01.40.20	状态监控工具	condition monitoring tools
32-01.40.20.10	振动分析设备	vibration analysis equipment
32-01.40.20.15	温度记录设备	temperature recording devices
32-01.40.20.20	摩擦设备	friction equipment
32-01.40.20.25	电动机测试设备	motor test equipment
32-01.40.20.30	空中超声波检测设备	air ultrasonic testing equipment
32-01.40.20.35	超声波密度测试设备	ultrasonic density test equipment
32-01.40.20.40	成像设备	imaging device
32-01.40.20.45	电力质量监控设备	power quality monitoring equipment
32-01.40.30	检测仪器	detecting instrument

32-01.40.30.10	质量检测仪器	quality testing instrument
32-01.40.30.20	材料检测仪器	material testing instrument
32-01.40.30.30	实验仪器	experimental apparatus
32-01.40.30.40	试验仪器	test instrument
32-01.40.30.50	其他检测仪器	other testing instrument
32-02.00.00	物理工具	tools for physics
32-02.10.00	临时设施	temporary facilities
32-02.10.10	工地房舍	site houses
32-02.10.10.10	工人宿舍	workers dormitory
32-02.10.10.15	管理人员办公室	managers office
32-02.10.10.20	库房	storehouse
32-02.10.15	临时室外场地	temporary outdoors
32-02.10.15.10	临时道路	makeshift road
32-02.10.15.20	临时水电管线	temporary water and electricity pipes
32-02.10.15.30	围墙	wall
32-02.10.15.40	安全网	safety net
32-02.10.20	冬季取暖设备	winter heating
32-02.10.20.10	供热	heating
32-02.10.20.20	空调	air conditioning
32-02.10.25	现场电力设备	the power equipment
32-02.10.25.10	现场发电机组	the scene generator set
32-02.10.25.20	现场频率变压器	the frequency transformer
32-02.10.25.30	现场电压变压器	the voltage transformer
32-02.10.30	现场排水设备	the drainage facilities
32-02.10.30.10	潜水泵	submersible pump
32-02.10.30.20	射流井点泵	the jet pump well point
32-02.10.35	现场降水设备	the precipitation equipment
32-02.10.35.10	抽水机	pump

32-02.10.35.20	泥浆泵	mud pump
32-02.10.35.30	高压油泵	high pressure oil pump
32-02.10.35.40	电动空气压缩机	electric aircompressor
32-02.10.40	垃圾处理设备	refusetreater
32-02.10.40.10	自卸汽车	dump truck
32-02.20.00	现场工具	field device tool
32-02.20.05	保护设备	protective equipment
32-02.20.10	露点控制设备	dew point control equipment
32-02.20.15	胶枪	glue gun
32-02.20.20	高压灌注设备	high pressure infusion equipment
32-02.20.25	低压灌注设备	low-pressure bottler
32-02.20.30	重力自动加料设备	gravity automatic feeding device
32-02.20.35	电渗设备	electroosmosis equipment
32-02.20.40	清理和表面处理设备	cleaning and surface treatment equipment
32-02.20.40.10	高压清洁设备	high pressure cleaning equipment
32-02.20.40.20	蒸汽喷射清洁设备	steam jet cleaning equipment
32-02.20.40.30	低压清洁机器	low pressure cleaning machine
32-02.20.40.40	地下水清洁设备	ground water cleaning equipment
32-02.20.40.50	喷丸处理装置设备	shot peening treatment plant equipment
32-02.20.45	除湿机	dehumidifier
32-02.20.50	其他现场设备	other field devices
32-02.30.00	手动工具	hand tools
32-02.30.05	手动切割机	hand-powered cutter
32-02.30.05.10	锯	saw
32-02.30.05.15	手提式钻	portable drill
32-02.30.05.20	螺栓刀具	bolt cutter
32-02.30.05.25	切管机	pipe cutting machine
32-02.30.05.30	套丝机	threading machine

32-02.30.05.35	钢筋切割机	the steel bar cutting machine
32-02.30.10	手工挖掘工具	manual mining tools
32-02.30.10.10	铲	shovel
32-02.30.10.20	镐	pickaxe
32-02.30.10.30	标杆洞挖掘器	benchmarking hole digging
32-02.30.15	手动成型工具	manual molding tool
32-02.30.15.10	手动弯管机	manual pipe bender
32-02.30.15.20	管扩口机	pipe bellling machine
32-02.30.15.30	压槽机	book joint setting machine
32-02.30.15.40	钢筋成型机械	steel molding machinery
32-02.30.20	手动紧固工具	hand fastening tools
32-02.30.20.10	锤子	hammer
32-02.30.20.20	螺丝刀	screwdriver
32-02.30.20.30	扳手	wrench
32-02.30.25	手动修整工具	hand finishing tools
32-02.30.25.10	抹子	trowel
32-02.30.25.20	浮标	buoy
32-02.30.25.30	油刷	oil brush
32-02.30.25.40	涂料辊	applicator roll
32-02.30.25.50	油料灌	oil filling
32-02.30.30	手动移动工具	manually move tool
32-02.30.30.10	独轮手推车	wheelbarrow
32-02.30.30.20	杠杆	leverage
32-02.30.40	其他手动工具	other hand tools
32-02.40.00	电动工具	electric tool
32-02.40.05	切割工具	cutting tool
32-02.40.05.10	电锯	electric saw
32-02.40.05.20	手持电钻	electric hand drill

32-02.40.10	其他切割工具	other cutting tools
32-02.40.10.10	轧碎机	breaker
32-02.40.10.20	轻型凿岩机	jackhammer
32-02.40.15	固定电动工具	stationary and fixed electric tools
32-02.40.15.10	电动粉碎机	electric pulverizer
32-02.40.15.20	电动磨碎机	electric mill
32-02.40.15.30	电动刨刨机	electric ku planer
32-02.40.15.40	电力刨	electric shaver
32-02.40.20	成型电动工具	molding electric tools
32-02.40.20.10	焊接设备	welding equipment
32-02.40.25	修整电动工具	trimming electric tools
32-02.40.25.10	电动打磨机	electric grinding machine
32-02.40.25.20	电动磨光机	electric polishing machine
32-02.40.25.30	粗磨器	coarse grinding machine
32-02.40.25.40	油料和保温材料喷涂设备	oil and insulation spraying equipment
32-02.40.30	可移动电动设备	portable electric equipment
32-02.40.40	其他电动设备	other electric equipment
32-03.00.00	周转材料	revolving material
32-03.10.00	模板	formwork
32-03.10.05	组合式钢模板	combined steel formwork
32-03.10.10	复合木模板	composite wood formwork
32-03.10.15	木模板	timber formwork
32-03.10.20	定型钢模板	set-shaped steel formwork
32-03.10.25	大钢模板	steel formworks
32-03.10.30	滑升模板	climbing forms
32-03.10.35	其他模板	other formwork
32-03.20.00	脚手架、支撑和围墙	scaffolding, support, and the wall

32-03.20.05	围墙放在临时设施中	the fence in the temporary facilities
32-03.20.10	预制构件脚手架	prefabricated scaffolds
32-03.20.15	非固定工作塔	without a fixed job
32-03.20.20	临时工作平台	temporary work platform
32-03.20.25	可移动升降工作平台	mobile elevating work platform
32-03.20.25.05	护栏	guard bar
32-03.20.25.10	坡道	ramp
32-03.20.25.15	阶梯	ladder
32-03.20.25.20	梯台	stair landing
32-03.20.25.25	脚手架配件	scaf folding fittings
32-03.20.25.30	挡板	baffle
32-03.20.25.35	支柱、板架支撑	pillar, frame support
32-03.20.30	临时围墙	hoarding
32-03.20.30.10	安全网	safety net
32-03.20.30.20	其他脚手架、支撑和围墙	other scaffolding, support, and the wall
32-04.00.00	工程机械	engineering machinery
32-04.05.00	土方机械	earthmoving machine
32-04.05.05	挖掘机	excavator
32-04.05.05.05	履带式挖掘机	crawler excavator
32-04.05.05.10	轮式挖掘机	wheel excavator
32-04.05.05.15	正铲挖掘机	forward shovel
32-04.05.05.20	反铲挖掘机	backdigger
32-04.05.05.25	其他挖掘机	other excavator
32-04.05.05.30	特殊用途挖掘机	special purpose excavator
32-04.05.05.35	湿地挖掘机	wetland excavator
32-04.05.10	装载机	loader
32-04.05.10.05	轮式装载机	wheel loader

32-04.05.10.10	履带式装载机	caterpillar loader
32-04.05.10.15	滑移装载机	skip steer loader
32-04.05.10.20	特种滑移机	special sliding machine
32-04.05.10.25	挖掘装载机	loader-digger
32-04.05.10.30	其他装载机	other loader
32-04.05.15	推土机	bulldozer
32-04.05.15.10	履带推土机	crawler bulldozer
32-04.05.15.20	湿地推土机	swamp bulldozer
32-04.05.15.30	环卫推土机	the sanitation bulldozer
32-04.05.15.40	轮式推土机	wheel dozer
32-04.05.15.50	其他推土机	other bulldozer
32-04.05.20	平地机	land leveller
32-04.05.20.10	自行式平地机	motor grader
32-04.05.20.20	拖式平地机	drawn grader
32-04.05.25	自卸卡车	self-discharging truck
32-04.05.25.10	刚性自卸卡车	rigid dump trucks
32-04.05.25.20	铰接式自卸卡车	articulated dump trucks
32-04.05.30	铲运机	carry-scraper
32-04.05.30.10	自行式铲运机	motor scraper
32-04.05.30.20	电动铲运机	electric lhd
32-04.05.30.30	拖式铲运机	towed scraper
32-04.05.30.40	内燃铲运机	scooptram
32-04.05.30.50	其他铲运机	other scraper
32-04.10.00	起重机械	hoisting machinery
32-04.10.10	固定式起重机	fixed base crane
32-04.10.10.05	塔式起重机	tower crane
32-04.10.10.10	门式起重机	portal crane
32-04.10.10.15	桥式起重机	bridge crane

32-04.10.10.20	桅杆起重机	derrick crane
32-04.10.10.25	缆索起重机	cable crane
32-04.10.20	移动式起重机	travelling crane
32-04.10.20.10	轮胎起重机	truck crane
32-04.10.20.20	桁架臂起重机	lattice boom crane
32-04.10.20.30	铁路起重机	railway crane
32-04.10.20.40	其他移动起重机	other mobile crane
32-04.10.30	高空作业机械	aerial work machinery
32-04.10.30.10	高空作业车	hydraulic aerial cage
32-04.10.30.20	高空作业平台	aerial work platform
32-04.10.40	其他起重机械	other hoisting machinery
32-04.10.40.05	卷扬机	winch
32-04.10.40.10	消防车系列	fire truck series
32-04.10.40.15	施工升降机	building hoist
32-04.10.40.20	液压顶升机	hydraulic jack
32-04.10.40.25	清障抢救车	clearing the rescue vehicles
32-04.10.40.30	抓斗	grab bucket
32-04.15.00	混凝土机械	concrete machinery
32-04.15.10	混凝土泵车	concrete pump truck
32-04.15.10.10	拖泵	trailer pump
32-04.15.10.20	泵车	pumper
32-04.15.10.30	车载泵	truck mounted concrete pump
32-04.15.20	混凝土搅拌设备	concrete batch plant
32-04.15.20.10	搅拌站	mixing plant
32-04.15.20.20	搅拌机	blender
32-04.15.30	混凝土布料设备	concrete material equipment
32-04.15.30.10	布料机	screw-thread steel
32-04.15.30.20	布料杆	placing boom

32-04.15.30.30	布料车	distributing device
32-04.15.40	其他混凝土机械	other concrete machinery
32-04.15.40.05	搅拌泵车	mixing pump truck
32-04.15.40.10	沥青砂浆车	asphalt mortar car
32-04.15.40.15	皮带输送车	belt truck conveyor
32-04.15.40.20	喷湿机	wet spraying machine
32-04.15.40.25	混凝土浇注机	concrete placer
32-04.15.40.30	混凝土振动机	concrete vibrator
32-04.15.40.35	混凝土制品机械	concrete products machinery
32-04.15.40.40	混凝土喷射机	shotcrete machine
32-04.15.40.45	混凝土搅拌运输车	transit mixer truck
32-04.15.40.50	干粉砂浆生产设备	dry mortar production equipment
32-04.15.40.55	散装水泥运输车	bulk-cement delivery semitrailer
32-04.15.40.60	粉粒物料运输车	bulk powder goods tanker
32-04.20.00	压实机械	compact machinery
32-04.20.10	压路机	road roller
32-04.20.10.05	单钢轮压路机	compactors
32-04.20.10.15	双钢轮路机	the double steel wheel machine
32-04.20.10.25	轮胎压路机	pneumatic tyred roller
32-04.20.10.35	三轮压路机	three-wheel road roller
32-04.20.10.45	光轮压路机	smooth-wheel roller
32-04.20.10.55	冲击式压路机	impact type roller
32-04.20.10.65	垂直振动压路机	vertical vibrating road roller
32-04.20.20	其他压实机械	other compaction machinery
32-04.20.20.10	压实机	compacting machine
32-04.20.20.20	夯实机	tamper
32-04.20.20.30	矿用车	mine truck
32-04.25.00	桩工机械	piling machinery

32-04.25.05	柴油打桩锤	diesel pile hammer
32-04.25.10	液压锤	hydraulic hammer
32-04.25.15	振动桩锤	vibration pile hammer
32-04.25.20	柴油打拔桩架	diesel pile drawing frame
32-04.25.25	压桩机	pile pressing-in machine
32-04.25.30	静力压桩机	static force pile pressing-in machine
32-04.25.35	成孔机	borer machine
32-04.25.40	地下连续墙成槽机	the underground continuous wall into a slot machine
32-04.25.45	软地基加固机械	the soft foundation reinforcement machinery
32-04.25.50	落锤打桩机	drop hammer pile driver
32-04.25.55	取土器	soil sampler
32-04.25.60	其他桩工机械	other pile driving machinery
32-04.30.00	装修机械	decoration machinery
32-04.30.05	砂浆制备及喷涂机械	the slurry preparation and spray coating machine
32-04.30.10	涂料喷刷机械	spray coating machine
32-04.30.15	油漆制备及喷涂机械	preparation and spray coating machinery paint system
32-04.30.20	地面整修机械	the ground repair machinery
32-04.30.25	屋面装修机械	roof decoration machinery
32-04.30.25.10	屋面涂沥青机	the roof bitumen coating machine
32-04.30.25.20	屋面铺毡机	roofing felt machine shop
32-04.30.30	建筑装饰机具	architectural decoration machines
32-04.30.30.10	射钉机	nail machine
32-04.30.30.20	电动铲刮机	electric scaling scraper
32-04.30.35	建筑装饰机械	architectural decoration machinery
32-04.30.35.05	混凝土开槽机	concrete channel cutter
32-04.30.35.10	石材切割机	marble cutters

32-04.30.35.15	型材切割机	cut-off machine
32-04.30.35.20	剥离机	stripping machines
32-04.30.35.25	角向磨光机	angle grinder
32-04.30.35.30	直向磨光机	electric straight grinder
32-04.30.35.35	混凝土切割机	concrete cutting machine
32-04.30.35.40	混凝土切缝机	concrete power saw
32-04.30.35.45	混凝土钻孔机	concrete drilling machine
32-04.30.35.50	水磨石磨光机	terrazzo grinders
32-04.30.35.55	电镐	electric pick
32-04.30.40	高处作业吊篮	high altitude work nacelle
32-04.30.40.10	手动式高处作业吊篮	operation manual type high basket
32-04.30.40.20	气动式高处作业吊篮	pneumatic high work hanging basket
32-04.30.40.30	电动式高处作业吊篮	electrodynamic high work hanging basket
32-04.30.45	擦窗机	gondola
32-04.30.45.10	轮载式擦窗机	wipe window machine wheel load
32-04.30.45.20	屋面轨道式擦窗机	roof rail type window machine
32-04.30.45.30	悬挂轨道式擦窗机	hang a rotary brush window machine
32-04.30.45.40	插杆式擦窗机	inserted bar type window machine
32-04.30.45.50	滑梯式擦窗机	a slide type window machine
32-04.30.50	其他装修机械	other decorating machinery
32-04.30.50.05	贴墙纸机	wallpaper machine
32-04.30.50.10	螺旋洁石机	screw clean stone machine
32-04.30.50.15	穿孔机	piercer
32-04.30.50.20	孔道压浆机	hole grouting machine
32-04.30.50.25	弯管机	bend pipe machine
32-04.30.50.30	管道套丝切断机	tube sets of wire cutting machine
32-04.30.50.35	管道弯曲套丝机	pipe bending machine
32-04.30.50.40	坡口机	bevelling machine

32-04.30.50.45	弹涂机	play the coater
32-04.30.50.50	滚涂机	roll coater
32-04.35.00	钢筋及预应力机械	reinforced and prestressed concrete machinery
32-04.35.05	钢筋强化机械	intensification machinery for steel bar
32-04.35.05.10	钢筋冷拉机	steel bar cold-drawing machine
32-04.35.05.20	钢筋冷拔机	steel bar cold-extruding machine
32-04.35.05.30	冷轧带肋钢筋成型机	cold rolled ribbed bar molding machine
32-04.35.05.40	冷轧扭钢筋成型机	molding machine cold-rolled and twisted bars
32-04.35.05.50	冷拔螺旋钢筋成型机	cold drawn spiral steel forming machine
32-04.35.10	单件钢筋成型机械	sheet steel molding machinery
32-04.35.10.05	钢筋切断机	steel bar shearing machine
32-04.35.10.10	钢筋切断生产线	steel cut off the production line
32-04.35.10.15	钢筋调直切断机	steel bar straightening and shearing machine
32-04.35.10.20	钢筋弯曲机	angle bender
32-04.35.10.25	钢筋弯曲生产线	bending production line
32-04.35.10.30	钢筋弯弧机	steel curved machine
32-04.35.10.35	数控钢筋弯箍机	nc reinforced bending hoop machine
32-04.35.10.40	钢筋螺纹成型机	parallel thread machine for rebars
32-04.35.10.45	钢筋螺纹生产线	steel bar thread production line
32-04.35.10.50	钢筋镦头机	steel-bar header
32-04.35.15	组合钢筋成型机械	composite steel molding machinery
32-04.35.15.10	钢筋网焊接成型机	reinforcing mesh welding machine
32-04.35.15.20	钢筋笼成型机	reinforcing cage forming machine
32-04.35.15.30	钢筋桁架成型机	steel bar truss molding machine
32-04.35.20	钢筋连接机械	rebar mechanical splicing
32-04.35.20.10	钢筋对焊机	steel-bar butt welder
32-04.35.20.20	钢筋电渣压力焊机	steel bar electroslag pressure welding machine
32-04.35.20.30	钢筋气压焊机	steel pressure welding machine

32-04.35.20.40	钢筋套筒挤压机	steel sleeve extrusion machine
32-04.35.25	预应力机械	pre-stressed mechanical
32-04.35.25.10	预应力钢筋镦头器	prestressed heading
32-04.35.25.20	预应力钢筋张拉机	prestressed steel bar tension machine
32-04.35.25.30	预应力钢筋穿束机	prestressed steel bar binding machine
32-04.35.25.40	预应力千斤顶	prestressing jack
32-04.35.30	预应力机具	prestressed machinery
32-04.35.30.10	预应力筋用锚具	prestressed anchorage
32-04.35.30.20	预应力筋用夹具	prestressed reinforcement with fixture
32-04.35.30.30	预应力筋用连接器	prestressed reinforcement with connector
32-04.40.00	气动工具	pneumatic tool
32-04.40.10	回转式气动工具	rotary pneumatic tools
32-04.40.20	冲击式气动工具	percussive pneumatic tool
32-04.40.30	其他气动机械	other pneumatic machinery
32-04.40.30.10	气动打桩机/拔桩机	pneumatic hammers/pile drawing machine
32-04.45.00	工程机械配套件	engineering machinery accessories
32-04.45.05	动力系统	dynamical systems
32-04.45.05.10	内燃机	internal combustion engine
32-04.45.05.20	附属装置	accessory device
32-04.45.10	传动系统	transmission system
32-04.45.10.05	离合器	clutch
32-04.45.10.10	变矩器	converter
32-04.45.10.15	变速器	transmission
32-04.45.10.20	驱动电机	driving motor
32-04.45.10.25	传动轴装置	drive shaft device
32-04.45.10.30	驱动桥	drive axle
32-04.45.10.35	减速器	retarder
32-04.45.15	液压密封装置	the hydraulic seal

32-04.45.15.05	油缸	cylinder
32-04.45.15.10	液压泵	hydraulic pump
32-04.45.15.15	液压马达	hydraulic motor
32-04.45.15.20	液压阀	hydraulic valve
32-04.45.15.25	液压减速机	hydraulic pressure reducer
32-04.45.15.30	蓄能器	accumulator
32-04.45.15.35	中央回转体	the central of rotors
32-04.45.15.40	液压管件	hydraulic pipe component
32-04.45.15.45	液压系统附件	accessories for hydraulic systems
32-04.45.15.50	密封装置	sealed-in unit
32-04.45.20	制动系统	braking system
32-04.45.20.05	贮气筒	air reservoir
32-04.45.20.10	气动阀	air-operated valve
32-04.45.20.15	加力泵总成	booster pump assembly
32-04.45.20.20	气制动管件	air brake pipe fittings
32-04.45.20.25	油水分离器	oily water separator
32-04.45.20.30	制动泵	brake pump
32-04.45.25	行走装置	traveling gear
32-04.45.25.10	轮胎总成	wheel assy
32-04.45.30	转向系统	steering system
32-04.45.35	车架及工作装置	frame and working device
32-04.45.40	电器装置	electrical unit
32-04.45.45	专用属具	special fittings
32-04.45.45.10	液压剪	hydraulic shear
32-04.45.45.15	液压钳	hydraulic tong
32-04.45.45.20	松土器	ridger
32-04.45.45.25	夹木叉	clipping fork
32-04.45.45.30	叉车专用属具	forklift special fittings

32-04.45.45.35	其他属具	other fittings
32-04.50.00	泵类机械	pump machinery
32-04.50.05	电动离心清水泵	electric centrifugal pumps
32-04.50.05.10	电动单级离心清水泵	electric single stage centrifugal pumps
32-04.50.05.20	电动多级离心清水泵	electric multistage centrifugal pumps
32-04.50.10	内燃单级离心清水泵	internal combustion single-stage centrifugal pump
32-04.50.15	单级自吸水泵	single stage self priming water pump
32-04.50.20	污水泵	sewage pump
32-04.50.25	耐腐蚀泵	noncorrosive pump
32-04.50.30	真空泵	vacuum pump
32-04.50.35	砂泵	sand pump
32-04.50.40	试压泵	test pump
32-04.50.45	比例泵	proportioning pump
32-04.50.50	衬胶泵	rubber lined pump
32-04.50.55	射流泵	jet pump

附录 N 信息

表 33 信息

编码	类目中文	类目英文
33-10.00.00	一般参考资料	general eference
33-10.10.00	指标	indexe
33-10.12.00	术语引用	terminology reference
33-10.12.10	名词及术语	nouns and term
33-10.14.00	目录	catalog
33-10.14.10	产品目录	product catalog
33-10.16.00	产品资料	product literature
33-10.18.00	说明书	manual
33-10.18.10	设备手册	equipment manual
33-10.18.20	软件使用手册	software manual
33-10.20.00	手册	handbook
33-10.20.10	工程手册	engineering handbook
33-10.20.10.10	设计手册	design handbook
33-10.20.10.20	施工手册	construction handbook
33-10.22.00	指南	guide
33-10.22.10	业务实践指南	business practice guide
33-10.22.10.10	宣传指南	promotional guide
33-10.22.10.20	会计指南	accounting guide
33-10.22.10.30	角色关系指南	human relations guide
33-10.22.20	专业实践指南	professional practice guide
33-10.22.20.10	实例分析和可持续发展实践	sustainable practice guide
33-10.22.20.20	计算机技术指南	computer technology guide
33-10.22.20.30	流程管理指南	process management guide
33-10.22.30	信息管理指南	information management guide
33-10.22.40	资源管理指南	resource management guide

33-10.22.50	教育培训指南	educational guide
33-10.22.50.10	记录指南	registration guide
33-10.24.00	标准	standard
33-10.24.10	分类标准	classification standard
33-10.24.10.10	后设（原始）资料标准	metadata standard
33-10.24.20	技术标准	technical standard
33-10.24.30	产品标准	production standard
33-10.24.30.10	建筑信息模型标准	bim standard
33-10.24.30.20	计算机辅助设计标准	cad standard
33-10.24.40	业绩（性能）标准	performance standard
33-10.24.40.10	可持续标准	sustainability standard
33-10.24.40.20	环境标准	environmental standard
33-10.24.40.30	检验标准	test standard
33-10.24.50	产品/材料标准	product / material standard
33-10.24.60	设计标准	design standard
33-10.24.70	质量管理标准	quality management standard
33-10.26.00	标准文件	model document
33-10.26.10	主要规范	master specification
33-10.26.20	采购标准文件	standard procurement document
33-10.26.30	标准格式文本	standard form
33-10.26.40	标准形式的协议	standard forms of agreement
33-10.26.40.10	中国的建筑师协会协议文件	chinese institute of architect
33-10.26.40.20	共识文档	consensusdoc
33-10.26.40.30	工程师联合委员会委员文件	engineers joint council document committee
33-10.28.00	书籍	book
33-10.28.10	通用和介绍性的书籍	general and introductory book
33-10.28.20	设计偏好和理论书籍	design interest and theory book

33-10.28.30	绘画和展示书籍	drawing and presentation book
33-10.28.40	历史和风格的书	history and styles book
33-10.28.50	建筑科学和技术书籍	building science and technology book
33-10.28.60	项目类型资料集	project type portfolios
33-10.28.70	项目资料集	project portfolios
33-10.28.80	从业者资料集	practitioner portfolios
33-10.30.00	期刊	periodicals
33-10.32.00	报纸	newspaper
33-10.32.10	时事通讯	newsletter
33-10.34.00	表格	table
33-10.34.10	测量换算表	measurement conversion table
33-10.36.00	评估报告	evaluation report
33-10.38.00	文章	article
33-10.40.00	列表	list
33-10.42.00	建筑法规	building code
33-10.42.10	国际建筑法规	international building code
33-10.42.20	国家建筑法规	nation building code
33-10.42.30	地方法规	local regulation
33-10.42.40	行业规范	occupational standard
33-10.44.00	法律资料	legal information
33-10.44.10	法律条文	legal articles
33-10.46.00	经济信息	economic information
33-10.46.10	经济预测	economic forecasts
33-10.46.20	财政信息	financial information
33-10.48.00	设计资料	planning information
33-10.48.10	区域规划信息	regional planning information
33-10.48.10.10	规划功能划分	planning function divided
33-10.48.10.20	建设规模要求	construction scale requirements

33-10.48.10.30	建造要求	construction requirements
33-10.48.20	设施规划信息	facility planning information
33-10.48.20.10	设施用房规划	facility occupancy planning
33-10.48.20.15	市容问题	amenity concerns
33-10.48.20.20	健康问题	health concerns
33-10.48.20.25	人工热源	artificial heat sources
33-10.48.20.30	危险材料信息	hazardous materials information
33-10.48.20.35	安全信息	safety information
33-10.48.20.40	消防安全	fire safety
33-10.48.20.45	事故预防信息	accident prevention information
33-10.48.20.50	爆炸缓解信息	explosion mitigation information
33-10.48.20.55	社会学问题	sociological concerns
33-10.48.20.60	经济问题	economic concerns
33-10.48.20.65	工作要求	work requirements
33-10.48.30	环境规划信息	environmental planning information
33-10.48.30.10	大气和气象规划信息	atmospheric and meteorological planning information
33-10.48.30.20	地形学的规划信息	physiographic planning information
33-10.48.30.30	地质规划信息	geological planning information
33-10.48.30.40	污染规划信息	pollution planning information
33-10.48.30.50	现场生物学特性	site biological characteristics
33-10.50.00	营销/促销信息	marketing/promotional information
33-10.52.00	图像	image
33-10.52.10	视频	video
33-10.52.20	幻灯片	slide show
33-10.54.00	地图	map
33-10.56.00	日历	calendar
33-10.58.00	其他通用文档	other general documentation

33-20.00.00	行政办公资源	office resource
33-20.10.00	商务活动管理指南	office business practice guideline
33-20.10.10	宣传方针	promotional guideline
33-20.10.20	通信指南	communication guideline
33-20.10.30	法律指南	legal guideline
33-20.10.40	保险指南	insurance guideline
33-20.10.50	会计指南	accounting guideline
33-20.10.60	角色关系指南	human relation guideline
33-20.20.00	技术管理指南	office professional practice guideline
33-20.20.10	设计指南	design guideline
33-20.20.20	建模指南	modeling guideline
33-20.20.30	存档指南	documentation guideline
33-20.20.40	质量管理指南	quality management guideline
33-20.30.00	办公标准类文件	office standard document
33-20.30.10	办公宣传信息	office promotional information
33-20.30.10.10	网站信息	website information
33-20.30.10.20	奖励宣传信息	promotional literature
33-20.30.20	办公类协议	office forms of agreement
33-20.30.20.10	附件	attachment
33-20.30.20.20	展览	exhibit
33-20.30.30	办公类图释	office graphic
33-20.30.40	办公业务表格	office form
33-20.30.40.10	书信	correspondence
33-20.30.40.20	外发函	transmittals
33-20.30.40.30	备忘录	memoranda
33-20.30.40.40	报告	reports
33-20.30.40.50	商业名片	business card
33-20.30.40.60	信封	envelops

33-20.30.40.70	日志	logs
33-20.40.00	办公模板类文件	office model template
33-20.40.10	模型内容	model content
33-20.40.10.10	图形化内容	model graphical content
33-20.40.10.20	注释类内容	model annotation content
33-20.40.20	模型视图	model views
33-20.40.20.10	模型的图形化视图	graphical views of model
33-20.40.20.20	模型的非图形化文本	non-graphical reports of model
33-20.40.30	图纸模板	sheet templates
33-20.40.30.10	技术制图	title blocks
33-20.40.30.20	图例	legends
33-20.40.30.30	安排	schedules
33-20.50.00	文件管理	office masters
33-20.50.10	项目文件资料	office project schedule
33-20.50.20	日常办公文件	office specification
33-20.50.30	图纸文件资料	office drawing
33-20.50.40	进度文件资料	office calendar
33-20.60.00	财务管理文件	office financial management document
33-20.60.10	出勤卡	time sheet
33-20.60.20	现金流/收入/费用	cash flow/ revenue/ expense
33-20.60.30	资产/负债	assets/liabilitie
33-20.60.40	总收入	gross revenue
33-20.60.50	项目盈亏平衡/收益乘数(率)/收入	project multipliers/ breakeven/ earnings
33-20.60.60	项目预算	project budgets
33-20.70.00	其他办公资源	other office resource
33-30.00.00	项目信息	project information
33-30.10.00	项目标识	project identifications

33-30.10.10	项目名称	project name
33-30.10.12	项目编号	project numbers
33-30.10.14	项目地址	project location
33-30.10.14.10	红线坐标值	red line coordinate value
33-30.10.14.20	街道地址	street address
33-30.10.14.30	项目用地批文	approval for the project land
33-30.10.16	施工单位	construction unit
33-30.10.18	目标责任书	target responsibility book
33-30.10.20	项目策划书	project planning book
33-30.10.22	实施计划书	implementation prospectus
33-30.10.24	风险抵押	risk mortgage
33-30.10.26	生产产值	production output value
33-30.10.26.10	月产值	monthly output value
33-30.10.26.20	季度产值	quarter output value
33-30.10.26.30	年产值	annual output value
33-30.10.28	工程状态	project state
33-30.10.30	进度控制情况	schedule control situation
33-30.10.32	建设单位	construction unit
33-30.10.34	设计单位	design unit
33-30.10.36	监理单位	supervision unit
33-30.10.38	规划许可证	planning permit
33-30.10.40	施工许可证	construction permit
33-30.10.42	项目竣工备案	project completion record
33-30.10.44	项目概况	project overview
33-30.10.44.10	建筑面积	building area
33-30.10.44.20	层数	layers
33-30.10.44.30	建筑总高度	the total height of building
33-30.10.44.40	工程结构	project structure

33-30.10.44.50	工程用途	project purpose
33-30.10.46	项目部成立文件	established file of project department
33-30.10.48	项目类型	project type
33-30.15.00	固定资产流转信息	real property transfer information
33-30.15.10	契约	deeds
33-30.15.20	租赁协定	leases
33-30.15.30	信托	trusts
33-30.15.40	土地使用年限	land use period
33-30.15.50	约定事项	covenants
33-30.15.60	红线范围	range of red line
33-30.20.00	固定资产信息	real property information
33-30.20.10	房地产评估	real estate appraisals
33-30.20.20	内容说明书	prospectuses
33-30.20.30	投资分析	investment analysis
33-30.25.00	项目管理信息	project management information
33-30.25.05	项目的建议和需求	project requests for proposals
33-30.25.10	项目建议书	project proposals
33-30.25.10.10	项目描述	description of project
33-30.25.15	项目安排	project schedules
33-30.25.15.10	项目安排/工作计划	project schedule / workplan
33-30.25.20	项目融资	project financials
33-30.25.20.10	融资额度分析	proforma analysis
33-30.25.20.20	出资人要求	lender requirements
33-30.25.25	项目费用/开销信息	project fee/expense information
33-30.25.25.10	设计费用表	design fee worksheet
33-30.25.25.20	会计报告	accounting reports
33-30.25.25.30	发票	invoices
33-30.25.25.40	开销	expenses

33-30.25.30	项目协议	project agreements
33-30.25.30.05	工作分类的范围/项目列表	scope of work clarifications / items list
33-30.25.30.10	基本条件	general conditions
33-30.25.30.15	工程交付方式	project delivery method
33-30.25.30.20	多方协议	multiple-party
33-30.25.30.25	双方协议	two-party
33-30.25.30.30	进程信息	notices to proceed
33-30.25.35	项目团队信息	project team information
33-30.25.35.10	团队指南	team directory
33-30.25.35.20	组织系统图	organization chart
33-30.25.40	项目基本信息	project general information
33-30.25.40.10	项目总结表格	project summary sheet
33-30.25.40.20	项目描述/概况	project description / profile
33-30.25.40.30	项目历史	project history
33-30.25.40.40	项目总体形式	project master forms
33-30.25.40.50	邮件清单	mailing list
33-30.25.40.55	市场信息	marketing information
33-30.25.45	项目信息管理	project information management
33-30.30.00	项目交流	project communications
33-30.30.05	会议计划及议程	agenda
33-30.30.10	会议记录	minutes
33-30.30.15	行动任务	action items
33-30.30.20	邮件	email
33-30.30.25	传真	facsimile
33-30.30.30	信件	correspondence
33-30.30.35	指令/通知	directives / notices
33-30.35.00	项目范围信息	project scope information
33-30.35.10	数量调查	quantity surveys

33-30.35.20	工作结果范围安排	work-result scope schedules
33-30.40.00	项目成本信息	project cost information
33-30.40.10	项目预算信息	project budget information
33-30.40.10.10	单位面积成本	area unit costs
33-30.40.10.20	基于面积的预算分析	area-based budget analyses
33-30.40.20	成本估计信息	cost estimate information
33-30.40.20.10	基于构件的成本估计	element-based cost estimates
33-30.40.20.20	基于工作结果的成本估算	work-result-based cost estimates
33-30.40.20.30	工程量清单内容的单价	unit price of boq content
33-30.40.20.40	每单位材料/产品的价格	material / product unit prices
33-30.40.30	限定最高成本	guaranteed maximum price
33-30.40.40	成本绩效分析	cost performance analyses
33-30.40.40.10	寿命周期成本分析	life cycle cost analyses
33-30.40.40.20	成本增加和减少报告	cost additions and reductions reports
33-30.40.40.30	价值工程引起的设计变更	design changes due to value engineering
33-30.40.50	收购/投标信息	buyout / bid information
33-30.40.50.10	标书评选标准	bid selection criteria
33-30.40.50.20	包商投标	subcontractor bids
33-30.40.50.30	材料供应商投标	material supplier bids
33-30.45.00	项目现有条件信息	project existing condition information
33-30.45.10	现场和周围交通环境信息	site and surrounding area transportation information
33-30.45.10.10	公共交通分析	public transportation
33-30.45.10.20	非公共交通分析	private vehicle traffic studies
33-30.45.10.30	交通工具服务信息	service vehicle information
33-30.45.10.40	紧急交通信息	emergency vehicle information
33-30.45.10.50	交通密度	vehicular traffic density

33-30.45.20	土地规划信息	land planning information
33-30.45.20.10	土地利用规划信息	land use planning information
33-30.45.20.20	划区信息	zoning information
33-30.45.30	现有环境信息	existing environmental information
33-30.45.30.10	现场大气和气象特征	site atmospheric and meteorological characteristics
33-30.45.30.20	现场地址特征	geological site characteristics
33-30.45.40	现有现场信息	existing site information
33-30.45.40.05	现场法律信息	site legal information
33-30.45.40.10	现有现场图像	existing site images
33-30.45.40.15	考古调查	archaeological surveys
33-30.45.40.20	现场地址调查	geophysical site data
33-30.45.40.25	现场岩土数据	geotechnical site data
33-30.45.40.30	环境评估信息	environmental assessment information
33-30.45.40.35	人为的环境信息	human-generated environmental information
33-30.45.40.40	非人类的影响信息	biological-general (non-human) impact information
33-30.45.40.45	现有条件报告	existing conditions reports
33-30.45.50	现有设备信息	existing facility information
33-30.45.50.10	现有设备图片	existing facility images
33-30.45.50.20	现有设备资料	existing facility documentation
33-30.45.50.30	现有设备调查	existing facility surveys
33-30.45.50.40	历史设备数据	historical facility data
33-30.50.00	项目信息模型	project information models
33-30.50.10	复合模型	composite models
33-30.50.20	模型分析	model analysis
33-30.50.20.10	基于性能的模型分析	performance-based models

33-30.50.20.20	基于成本的模型分析	cost-based models
33-30.50.20.30	基于时间的模型	time-based models
33-30.50.30	电脑辅助设计	computer-aided design
33-30.50.30.10	多专业集成的图集	atlas of multi-disciplinary integration
33-30.50.30.20	各专业图集	each major atlas
33-30.55.00	项目文件	project documentation
33-30.55.05	初步设计信息	preliminary design information
33-30.55.05.05	可行性研究	feasibility studies
33-30.55.05.10	项目设计标准	project design standard
33-30.55.05.15	程序计算原始数据	the original data of program calculated
33-30.55.05.20	摄影图像	photographic images
33-30.55.05.25	初步设计评审	predesign reviews
33-30.55.05.30	元素/组装/系统标准	element/assembly/systems criteria
33-30.55.05.35	项目产品/材料标准	project product/material criteria
33-30.55.05.40	报告/研究	reports / studies
33-30.55.10	设计文件	design documentation
33-30.55.10.05	方案规划	program plan
33-30.55.10.10	设计草图	design sketches
33-30.55.10.15	效果图和动画	renderings and animations
33-30.55.10.20	模型	models
33-30.55.10.25	初步设计图纸	design drawings
33-30.55.10.30	设计图文档集	design drawing document sets
33-30.55.10.35	大纲规范	outline specifications
33-30.55.10.40	设计评审	design reviews
33-30.55.10.45	比对检查	scans
33-30.55.15	合同文件	contract documents
33-30.55.15.05	协议	agreements
33-30.55.15.10	绘图文件/视图	drawing files / views

33-30.55.15.15	工作表	sheets
33-30.55.15.20	合约图纸文档集	contract drawing document sets
33-30.55.15.25	项目手册	project manuals
33-30.55.15.30	条款修订	modifications
33-30.55.20	采购信息	procurement information
33-30.55.20.05	资质的要求	request for qualifications
33-30.55.20.10	投标报价书的要求	requests for bid proposals
33-30.55.20.15	澄清请求	requests for clarification
33-30.55.20.20	事先批准的要求	requests for prior approval
33-30.55.20.25	附录	addenda
33-30.55.20.30	预投标会议	pre-bid conferences
33-30.55.20.35	标书	bid proposals
33-30.55.20.40	担保	warranties
33-30.55.25	建设信息	construction information
33-30.55.25.10	开工通知	notice to proceed
33-30.55.25.12	施工进度	construction schedules
33-30.55.25.14	要求替换	requests for substitution
33-30.55.25.16	请求信息(RFI)	requests for information
33-30.55.25.18	提交	submittals
33-30.55.25.20	请求改变(RFC)	requests for change
33-30.55.25.22	改变指令	change directives
33-30.55.25.24	改变授权	change authorizations
33-30.55.25.26	改变指令的下达	requests for change order
33-30.55.25.28	更改合同总价/合同时间	changes to contract sum / contract time
33-30.55.25.30	津贴支付授权	allowance payment authorizations
33-30.55.25.32	付款授权	payment authorizations
33-30.55.25.34	现场检测报告	field reports
33-30.55.25.36	检查报告	test reports

33-30.55.25.38	施工图像记录	photographic construction record
33-30.55.25.40	竣工测量	as-built measurements
33-30.55.25.42	建设技术信息	construction techniques information
33-30.55.25.44	保险	bonds
33-30.55.25.46	许可证	permits
33-30.55.30	存货出清信息	closeout information
33-30.55.30.05	存货出清要求列表	closeout requirement lists
33-30.55.30.10	竣工证明	certificate of completion
33-30.55.30.15	入住证明	certificates of occupancy
33-30.55.30.20	最终完工通知	notice of final completion
33-30.55.30.25	记录文件	record documents
33-30.55.30.30	已完项目照片	completed project photographs
33-30.55.30.35	建设后评审	post-construction reviews
33-30.55.35	移交竣工资料	move completion data
33-30.55.35.10	移交计划	move schedule
33-30.55.35.20	移交协调计划	move coordination plan
33-30.55.40	工程索赔	construction claims
33-30.55.40.10	保险公司交流	insurance company communications
33-30.55.40.20	争议	issues
33-30.55.40.30	索赔	claims
33-30.55.40.40	索赔顾问	claims consultant
33-30.55.45	设备运行信息	facility operation information
33-30.55.45.10	设备管理数据库	facility management database
33-30.55.45.20	运行和维护手册	operation & maintenance manuals
33-30.55.45.30	教学和培训材料	instructional and training materials
33-30.55.45.40	维护记录	maintenance record

附录 P 材质

表 40 材质

编码	类目中文	类目英文
40-01.00.00	金属	metals
40-01.10.00	碱金属	alkali metals
40-01.10.10	锂	lithium
40-01.10.20	钠	sodium
40-01.10.30	钾	potassium
40-01.10.40	铷	rubidium
40-01.10.50	铯	caesium
40-01.20.00	碱土金属	alkaline earth metals
40-01.20.10	铍	beryllium
40-01.20.20	镁	magnesium
40-01.20.30	钙	calcium
40-01.20.40	锶	strontium
40-01.30.00	镧系元素	lanthanoids
40-01.30.10	镧	lanthanum
40-01.30.20	铈	cerium
40-01.30.30	镨	praseodymium
40-01.30.40	钕	neodymium
40-01.40.00	锕系元素	actinoids
40-01.50.00	过渡元素	transition metals
40-01.50.10	钪	scandium
40-01.50.15	钛	titanium
40-01.50.20	钒	vanadium
40-01.50.25	铬	chromium
40-01.50.30	锰	manganese
40-01.50.35	铁	iron

40-01.50.40	镍	nickel
40-01.50.45	铜	copper
40-01.50.50	锌	zinc
40-01.50.55	铌	niobium
40-01.50.60	钼	molybdenum
40-01.50.65	银	silver
40-01.50.70	镉	cadmium
40-01.50.75	钨	tungsten
40-01.50.80	金	gold
40-01.60.00	后过渡金属	post-transition metals
40-01.60.10	铝	aluminum
40-01.60.20	锡	tin
40-01.60.30	铅	lead
40-01.60.40	铋	bismuth
40-02.00.00	类金属	metalloids
40-02.10.00	硼	boron
40-02.20.00	硅	silicon
40-02.30.00	锗	germanium
40-02.40.00	砷	arsenic
40-02.50.00	锑	antimony
40-02.60.00	碲	tellurium
40-02.70.00	钋	polonium
40-03.00.00	非金属	non-metals
40-03.10.00	卤素	halogens
40-03.10.10	氟	fluorine
40-03.10.20	氯	chlorine
40-03.10.30	溴	bromine
40-03.10.40	碘	iodine

40-03.20.00	稀有气体	noble gases
40-03.20.10	氦	helium
40-03.20.20	氖	neon
40-03.20.30	氩	argon
40-03.20.40	氪	krypton
40-03.20.50	氙	xenon
40-03.30.00	其他非金属	other non-metals
40-03.30.10	氢	hydrogen
40-03.30.20	碳	carbon
40-03.30.30	氮	nitrogen
40-03.30.40	氧	oxygen
40-03.30.50	磷	phosphorus
40-03.30.60	硫	sulfur
40-03.30.70	硒	selenium
40-10.00.00	矿物质化合物	mineral compounds
40-10.10.00	火成岩	igneous rocks
40-10.10.10	花岗岩	granite
40-10.10.20	安山岩	basalt
40-10.10.30	辉长岩	gabbro
40-10.10.40	玄武岩	basalt
40-10.10.50	辉绿岩	diabase
40-10.10.60	石英	quartz
40-10.20.00	沉积岩	sedimentary rocks
40-10.20.10	石灰石（岩）	limestone
40-10.20.20	砂岩	sandstone
40-10.20.30	页岩	shale
40-10.30.00	变质岩	metamorphic rocks
40-10.30.10	石墨	graphite

40-10.30.20	大理石	marble
40-10.30.30	石英岩	quartzite
40-10.30.40	板岩	slate
40-10.40.00	结合化合物	binding compounds
40-10.40.10	陶瓷	ceramic
40-10.40.20	土壤	soil
40-10.40.30	石膏	gypsum
40-10.40.40	硅酸盐	silicate
40-10.50.00	制造矿物质化合物	manufactured mineral compounds
40-10.50.10	碳纤维	carbon fiber
40-10.50.20	金属陶瓷	cermet
40-10.50.30	粉煤灰	fly ash
40-10.50.40	玻璃和玻璃类材料	glasses and glass-like materials
40-10.50.50	岩石光纤	rock fibers
40-10.50.60	碳化硅	silicon carbide
40-10.50.70	未精炼的盐（氯化钠）	unrefined salt (sodium chloride)
40-11.00.00	金属合金	metallic alloys
40-11.10.00	铁合金	ferrous alloys
40-11.10.10	碳素钢	carbon steel
40-11.10.20	不锈钢	stainless steel
40-11.10.30	生铁	cast iron
40-11.10.40	熟铁	wrought iron
40-11.10.50	球墨铸铁	ductile iron
40-11.10.60	可锻铸铁	malleable iron
40-11.20.00	铝合金	aluminum alloys
40-11.20.10	铝硅合金	aluminium silicon alloy
40-11.20.20	铝铜合金	aluminum copper alloy

40-11.20.30	铝镁合金	aluminum and magnesium alloys
40-11.20.40	铝锌合金	aluminum and zinc alloy
40-11.20.50	铝稀土合金	rare earth alloy aluminum
40-11.20.60	铝镁锰合金	magnesium aluminum manganese alloy
40-11.30.00	铜合金	copper alloys
40-11.30.10	紫铜	red copper
40-11.30.20	黄铜	brass
40-11.30.30	青铜	bronze
40-11.30.40	白铜	whiter copper
40-11.40.00	锌合金	zinc alloys
40-11.40.10	锌铝合金	zinc alloy
40-11.40.20	锌铜合金	copper zinc alloy
40-11.40.30	锌镁合金	zinc magnesium alloy
40-11.50.00	铅合金	lead alloys
40-11.50.10	耐蚀铅合金	corrosion resistant lead alloy
40-11.50.20	电池铅合金	the battery lead alloy
40-11.50.30	焊料铅合金	lead alloys as solder
40-11.50.40	印刷铅合金	printing lead alloy
40-11.50.50	轴承铅合金	bearing lead alloy
40-11.50.60	模具铅合金	mold lead alloy
40-11.60.00	钛合金	titanium alloy
40-11.60.10	α 钛合金	alpha titanium alloy
40-11.60.20	β 钛合金	beta titanium alloy
40-11.60.30	($\alpha + \beta$) 钛合金	titanium alloy (alpha + beta)
40-11.70.00	镍合金	nickel alloy
40-11.70.10	镍铜合金	nickel copper alloy
40-11.70.20	镍铬合金	nickel-chromium alloy
40-11.70.30	镍钼合金	nickel molybdenum alloy

40-11.70.40	镍铬钼合金	nickel chromium molybdenum alloy
40-11.80.00	锡合金	tin alloy
40-11.80.10	锡基轴承合金	tin-based bearing alloy
40-11.80.20	锡铅合金	tin lead alloy
40-12.00.00	有机化合物	organic compounds
40-12.10.00	植物材料	plant materials
40-12.10.10	树液	sap
40-12.10.15	纤维	fibers
40-12.10.20	纸浆	pulp
40-12.10.25	树皮，茎根	bark, stem or root
40-12.10.30	木材	timber
40-12.10.35	竹子	bamboo
40-12.10.40	棉	cotton
40-12.10.45	麻	hemp
40-12.10.50	草	the grass
40-12.10.55	植物油	vegetable oil
40-12.20.00	动物材料	animal materials
40-12.20.10	毛	hair
40-12.20.20	皮	skin
40-12.20.30	皮毛	hair and skin
40-12.20.40	丝	silk
40-12.20.50	动物油	animal oil
40-13.00.00	人工合成的化合物	synthetic compounds
40-13.10.00	酸	acids
40-13.20.00	碱	bases (alkalis)
40-13.30.00	盐	salts
40-13.40.00	塑料	plastics
40-13.40.10	丙烯腈 - 丁二烯 -	acrylonitrile-butadiene-styrene (ABS)

	苯乙烯（ABS）	
40-13.40.13	乙酸乙烯酯	vinyl acetate; ethenyl ethanoate
40-13.40.16	丙烯酸酯	acrylic ester;acrylate
40-13.40.19	丙烯酸，聚甲基丙烯酸甲酯	acrylic, polymethyl methacrylate
40-13.40.23	环氧树脂	epoxy
40-13.40.26	聚酰胺	polyamide
40-13.40.29	聚丁烯（PB）	polybutylene (PB)
40-13.40.33	醇酸树脂	alkyd
40-13.40.36	改性树脂	modified resin
40-13.40.39	酚醛树脂	phenolic
40-13.40.43	聚碳酸酯	polycarbonate
40-13.40.46	聚酯纤维	polyester
40-13.40.49	聚乙烯，聚乙烯（PE）	polyethylene, polythene (PE)
40-13.40.53	聚异氰脲酸酯	polyisocyanurate
40-13.40.56	聚丙烯	polypropylene
40-13.40.59	聚苯乙烯	polystyrene
40-13.40.63	聚氨酯	polyurethane
40-13.40.66	聚硅氧烷	polysiloxane, silicone
40-13.40.69	增塑聚氯乙烯（PVC）	polyvinyl chloride, plasticized (PVC)
40-13.40.73	未增塑聚氯乙烯（PVC-U）	polyvinyl chloride, unplasticised (PVC-U)
40-13.40.76	聚偏二氟乙烯	polyvinylidene fluoride
40-13.40.79	尿素甲醛	urea formaldehyde
40-13.40.83	乙烯基	vinyl
40-13.50.00	橡胶	rubbers
40-13.50.10	丁基橡胶	butyl rubber
40-13.50.20	氯丁橡胶	neoprene

40-13.50.30	聚硫橡胶	polysulfide rubber
40-13.50.40	有机硅	silicone
40-13.60.00	石油化合物	petrochemical compounds
40-13.60.10	沥青	asphalts
40-13.60.20	煤焦油	coal tars
40-13.60.30	石蜡	paraffin
40-13.60.40	蜡	waxes
40-20.00.00	中性	normal
40-20.10.00	纯净水	pure water
40-20.20.00	蒸馏水	distilled water
40-20.30.00	去离子水	deionized water
40-21.00.00	酸性	acid
40-21.10.00	雨水	rain water
40-22.00.00	碱性	alkali
40-22.10.00	氨水	ammonia
40-22.20.00	海水	sea water
40-23.00.00	其他液体	other liquids
40-23.10.00	地表水	surface water
40-23.20.00	地下水	ground water
40-23.30.00	硬水	hard water
40-23.40.00	软水	soft water
40-23.50.00	石油产品	petroleum products
40-23.60.00	醇	alcohols
40-23.70.00	润滑油	lubricants
40-24.00.00	无毒气体	non-toxic gases
40-24.10.00	空气	air
40-24.10.10	低压压缩空气	low pressure air
40-24.10.20	中压压缩空气	middle pressure air

40-24.10.30	高压压缩空气	high pressure air
40-24.20.00	氮气	nitrogen
40-24.30.00	氩气	argon
40-24.40.00	氦气	helium
40-24.50.00	氖气	neon
40-24.60.00	水蒸气	water vapor
40-25.00.00	有害或有毒气体	toxic or harmful gases
40-25.10.00	硅烷	silane
40-25.13.00	磷烷	phosphine
40-25.16.00	乙硼烷	diborane
40-25.19.00	砷烷	arsine
40-25.23.00	四氯化硅	silicon tetrachloride
40-25.26.00	氯气	chlorine
40-25.29.00	乙炔	acetylene
40-25.33.00	丁烷	butane
40-25.36.00	乙烯	ethylene
40-25.39.00	丙烷	propane
40-25.43.00	异丁烷	isobutan
40-25.46.00	甲烷	methane
40-25.49.00	氯甲烷	methyl chloride
40-25.53.00	砷化氢	arsine
40-25.56.00	二氧化碳	carbon dioxide
40-25.59.00	一氧化碳	carbon monoxide
40-25.63.00	乙基氯化物	ethyl chloride
40-25.66.00	苯酚	phenol
40-25.69.00	甲醛	formaldehyde;methanal
40-25.73.00	二氧化氮	nitrogen dioxide
40-25.76.00	氧气	oxygen

40-25.79.00	制冷剂	refrigerant
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附录 Q 属性

表 41 属性

编码	类目中文	类目英文
41-01.00.00	识别特征	identification properties
41-01.10.00	设施识别	facility identifications
41-01.10.10	地点 ID	site ID
41-01.10.15	地点种类	site Type
41-01.10.20	地标 ID	landmark ID
41-01.10.25	设施组	facilities group
41-01.10.30	设施名称	facility name
41-01.10.35	设备编号	facility number
41-01.10.40	街道地址	street address
41-01.10.45	街道名称	street name
41-01.10.50	邮政编码	zip or postal code
41-01.10.55	紧急服务信息	emergency services information
41-01.20.00	空间识别	space identifications
41-01.20.10	业主空间名称	owner space name
41-01.20.20	业主空间编号	owner space number
41-01.20.30	标准空间名称	standard space name
41-01.20.40	空间编号	space number
41-01.20.50	疏散通道	means of egress
41-01.30.00	占有识别	occupancy identifications
41-01.30.10	居民种类(建筑等级)	occupancy class
41-01.30.20	使用机构分组	occupant organizational groups
41-01.30.30	居民人口特征	occupant demographics
41-01.30.40	居住动物	animal occupants
41-01.40.00	工作成果识别	work result identifications
41-01.40.10	目录	category

41-01.40.13	子目录	subcategory
41-01.40.15	版本	version
41-01.40.17	引用材料 ID	material ID Ref
41-01.40.19	实体 ID	object ID
41-01.40.23	工业基础类别	industry foundation class (IFC)
41-01.40.25	国际词典框架	international framework for dictionaries
41-01.40.27	标签类型	label type
41-01.40.29	无线射频 ID	RADIO FREQUENCY ID (RFID)
41-01.40.33	条形码	bar code marking
41-01.40.35	跟踪编码	tracking number
41-01.40.37	资料来源	source of data
41-01.40.39	席位编号	seat numbers
41-01.40.43	引用细节	referencing detail
41-01.40.45	当前修订	current revision
41-01.40.47	由…证明	certified by
41-01.40.49	由…批准	approved by
41-01.40.53	由…设计	designed by
41-01.40.55	由…核对	checked by
41-01.40.57	由…绘制	drawn by
41-01.40.59	文件路径	file path
41-01.40.63	发行对象	issued to
41-01.40.66	发行者	issued by
41-01.50.00	身份识别	proprietary identifications
41-01.50.10	商标名称	brand name
41-01.50.20	制造者名称	fabricator name
41-01.50.30	库存单位编码	SKU number
41-01.50.40	国际物品编码协会编码	EAN number

41-01.50.50	商标	trademark
41-01.50.60	通用产品代码	UPC code
41-01.60.00	通信识别	communication identifications
41-01.60.10	网址	URL
41-01.60.20	互联网国家代码	internet country code
41-01.60.30	电话号码	telephone number
41-01.60.40	传真号码	fax number
41-01.60.50	电子邮件地址	email address
41-01.60.60	IP 地址	IP Address
41-02.00.00	位置特征	location properties
41-02.10.00	地理位置	geographic locations
41-02.10.10	纬度	latitude
41-02.10.20	经度	longitude
41-02.10.30	海拔高度	altitude
41-02.10.40	相对高度	relative height
41-02.10.50	大地坐标系	geodetic coordinate system
41-02.10.60	GPS 位置	GPS position
41-02.10.70	指南针定位	compass orientation
41-02.20.00	行政区划	political / legal locations
41-02.20.10	国家	country
41-02.20.15	区域	region
41-02.20.20	省/自治区/直辖市	provinces/autonomous regions/municipalities directly under the central government
41-02.20.25	市/自治州/区	city/autonomous prefecture/district
41-02.20.30	县/自治县/街道	county
41-02.20.35	特别行政区	special administrative region
41-02.20.40	拥有管辖权的权利机构	authority having jurisdiction (AHJ)

41-02.20.45	分区	zoning district
41-02.20.50	规划区	planning district
41-02.20.55	法律描述	legal description
41-02.20.60	地块	land parcel
41-02.30.00	制造和生产位置	manufacturing and product locations
41-02.30.10	制造地点	manufacturer location
41-02.30.20	装配地点	assembly location
41-02.30.30	仓库地点	warehouse location
41-02.30.40	产品获取地点	product harvest location
41-02.40.00	楼内位置	in-building locations
41-02.40.10	轴号	the shaft no.
41-02.40.20	标高	elevation
41-02.40.30	参照物	reference
41-02.40.40	安装高度	the installation height
41-03.00.00	时间和资金特征	properties of time and money
41-03.10.00	时间和计划	time and scheduling
41-03.10.03	使用年限	age
41-03.10.05	存在年限划分	age range
41-03.10.07	时间跨度	time span
41-03.10.09	时间增量	time increment
41-03.10.13	运行时间	elapsed time
41-03.10.15	实际生命周期	actual life span
41-03.10.17	期望生命周期	expected life span
41-03.10.19	交付时间	purchase date
41-03.10.23	提取日期	extraction date
41-03.10.25	收获日期	harvest date
41-03.10.27	制造日期	manufacture date
41-03.10.29	更新日期	date updated

41-03.10.33	日期类型	day type
41-03.10.35	制造提前期/ 制造交付日期	manufacturing lead time
41-03.10.37	船运日期	ship date
41-03.10.39	空运日期	air transportation time
41-03.10.43	车运日期	wheeling time
41-03.10.45	交货日期	delivery date
41-03.10.47	安装开始日期	installation start date
41-03.10.49	安装完成日期	installation end date
41-03.10.53	现场检查日期	site inspection date
41-03.10.55	现场测试日期	site test date
41-03.10.57	接收日期	acceptance date
41-03.10.59	投产日期	commissioning date
41-03.10.63	项目起始日期	project start date
41-03.10.65	项目终止日期	project end date
41-03.10.67	服务响应时间	service response time
41-03.10.69	入库日期	date put in storage
41-03.10.73	最大存储时间	maximum storage time
41-03.10.75	使用和维护	operations and maintenance
41-03.10.77	固定资产折旧年限	depreciation period of fixed assets
41-03.10.79	退役日期	decommissioning date
41-03.10.83	拆迁日期	demolition date
41-03.10.85	报废日期	disposal date
41-03.10.87	回收日期	recycled date
41-03.10.89	搬运日期	removal date
41-03.20.00	投资	investment
41-03.20.03	匡算	rough estimate
41-03.20.05	估算	estimate

41-03.20.07	概算	budget estimate
41-03.20.09	预算	budget
41-03.20.13	合同价	contract price
41-03.20.15	结算	close an account
41-03.20.17	决算	final settlement
41-03.20.19	工程造价	building cost of projects
41-03.20.23	流动资金	working capital
41-03.20.25	运维费	operational cost
41-03.20.27	设备及工器具费	equipment and instruments
41-03.20.29	建筑安装工程费	civil and erection cost
41-03.20.33	工程建设其他费	other engineering construction cost
41-03.20.35	预备费	budget reserve
41-03.20.37	建设期贷款利息	construction loan interest
41-03.20.39	财务内部收益率	FIRR(financial internal rate of return)
41-03.20.43	财务净现值	FNPV (financial net present value)
41-03.20.45	投资回收期	pay back period
41-03.20.47	借款偿还期	Pd
41-03.20.49	折现率	discount rate
41-03.20.53	基准折现率	The benchmark discount rate
41-03.20.55	社会折现率	social rate of discount
41-03.20.57	资金的时间价值	time value of money
41-03.20.59	利息	interest
41-03.20.63	利率	interest rate
41-03.20.65	有效利率	effiect interest rate
41-03.20.67	名义利率	nomial interest rate
41-03.20.69	计息周期	Interest Period
41-03.20.73	单利计息	simple interest at a pre-determined
41-03.20.75	复利计息	compound interest

41-03.20.77	等值	equivalent
41-03.20.79	简单收益率	simple rate of return
41-03.20.83	将来值	future value
41-03.20.85	影子汇率	shadow exchange rate
41-03.30.00	成本	cost
41-03.30.03	成本价值	cost value
41-03.30.05	资金种类	currency type
41-03.30.07	单位价格	unit price
41-03.30.09	批发成本	wholesale cost
41-03.30.13	零售成本	retail cost
41-03.30.15	制造商建议零售价	manufacturer's suggested retail price
41-03.30.17	成本折扣	cost discount
41-03.30.19	运输成本	shipping cost
41-03.30.23	安装成本	installation cost
41-03.30.25	购物条款	purchase terms
41-03.30.27	全寿命周期成本	life cycle cost
41-03.30.29	资金成本	cost of funds
41-03.30.33	会计成本	accounting cost
41-03.30.35	经济成本	economic cost
41-03.30.37	历史成本	historic cost
41-03.30.39	经营成本	operating cost
41-03.30.43	短期成本	short-run costs
41-03.30.45	平均成本	average cost
41-03.30.47	固定成本	fixed cost
41-03.30.49	变动成本	variable cost
41-03.30.53	半可变(或半固定)成本	half a variable (or half fixed) costs
41-03.30.55	平均固定成本	average fixed cost
41-03.30.57	长期成本	long-run cost

41-03.30.59	机会成本	opportunity cost
41-03.30.63	外显成本	explicit costs
41-03.30.65	内含成本	implicit cost
41-03.30.67	增量成本	incremental cost
41-03.30.69	沉没成本	sunk costs
41-03.30.73	边际成本	the marginal cost
41-03.30.75	相关成本	relevant cost
41-03.30.77	不相关成本	no relevant cost
41-03.30.79	计划工作预算费用	budget plan work
41-03.30.83	已完工作实际费用	has the work actual cost
41-03.30.85	已完工作预算费用	budget has finished work
41-03.30.87	费用偏差	cost of deviation
41-03.40.00	收益	income
41-03.40.10	总收益	total revenue
41-03.40.15	平均收益	the average income
41-03.40.20	边际收益	marginal revenue
41-03.40.25	利润	profits
41-03.40.30	会计利润	accounting profits
41-03.40.35	正常利润	normal profit
41-03.40.40	经济利润	economic profit
41-03.40.45	现金流量	the cash flow
41-03.40.50	现金流量图	the cash flow diagram
41-03.40.55	现金流入量	cash inflow.
41-03.40.60	现金流出量	cash outflow
41-03.40.65	净现金流量	net cash flow
41-04.00.00	来源特征	source properties
41-04.10.00	制造商	manufacturer
41-04.10.10	来源因素	source limitations

41-04.10.20	制造商名称	manufacturer name
41-04.10.30	制造商认证	manufacturer's certification
41-04.10.40	制造商经验	manufacturer experience
41-04.10.50	生产制造率	manufacture production rate
41-04.10.60	制造方法	method of manufacture
41-04.10.70	设计者名称	designer name
41-04.20.00	产品	product
41-04.20.03	产品名称	product name
41-04.20.05	产品认证	product certification
41-04.20.07	产品特点	product features
41-04.20.09	产品结构	product construction
41-04.20.13	产品改进	product modifications
41-04.20.15	产品外壳	product enclosure
41-04.20.17	质量水平	level of quality
41-04.20.19	等级	grade
41-04.20.23	样品	species
41-04.20.25	出厂设置	factory settings
41-04.20.27	设施维修专用通道	service access
41-04.20.29	包装	packaging
41-04.20.33	库存或定制	stock or custom
41-04.20.35	存货	in-stock
41-04.20.37	预组装	pre-assembled
41-04.20.39	风格	style
41-04.20.43	模式	pattern
41-04.20.45	浮雕图案	relief pattern
41-04.20.47	穿孔	perforations
41-04.20.49	饰品	accessories
41-04.20.53	选项	options

41-04.20.55	颜色	color
41-04.20.57	方向	orientation
41-04.20.59	完成	finish
41-04.20.63	处理	treatment
41-04.30.00	保修	warranty
41-04.30.10	保修范围	sepair range
41-04.30.15	厂家保修类型	manufacturers warranty type
41-04.30.20	保修期	warranty period
41-04.30.25	保修金	cash warranty
41-04.30.30	保修费用	warranty expense
41-04.30.35	保修卡	warranty card
41-04.30.40	制造商的保修条款	manufacturers warranty terms
41-04.30.45	安装保修类型	installers warranty type
41-04.30.50	安装保修条款	installers warranty terms
41-04.30.55	保修服务地点	warranty service location
41-04.40.00	运输	shipping
41-04.40.10	运输方式	type of shipping
41-04.40.15	运输价格	price of shipping
41-04.40.20	运输模式	shipping mode
41-04.40.25	托运人类型	shipper type
41-04.40.30	运输包装	shipping packaging
41-04.40.35	交货标记	delivery marking
41-04.40.40	交货条款	delivery terms
41-04.50.00	安装	installation
41-04.50.10	安装方法	installation method
41-04.50.15	安装配置	installation configuration
41-04.50.20	表面处理	surface preparation
41-04.50.25	紧固方法	fastening method

41-04.50.30	紧固件类型	fastener type
41-04.50.35	安装程序属性	installer properties
41-04.50.40	应用率	application rate
41-04.50.45	覆盖	coverage
41-04.50.50	装配方法	mounting method
41-04.50.55	加盟方式	joining method
41-04.50.60	安装过程中的环境温度	ambient temperature during installation
41-04.50.65	清洗方法	cleaning method
41-05.00.00	物理特征	physical properties
41-05.10.00	数量属性	quantity properties
41-05.10.10	计量单位	unit of measurement
41-05.10.15	单一的	single
41-05.10.20	集合	set
41-05.10.25	一双	pair
41-05.10.30	号码	number
41-05.10.35	物质的量	amount of substance
41-05.10.40	浓度	concentration
41-05.10.45	分配	distribution
41-05.10.50	容量	capacity
41-05.10.55	产量	yield
41-05.10.60	平均粒径	mean size
41-05.10.65	批量大小	batch size
41-05.10.70	间隙要求	clearance requirements
41-05.13.00	形状属性	shape properties
41-05.13.10	形式	form
41-05.13.13	形状	shape
41-05.13.16	几何	geometry

41-05.13.19	标准组件	modular
41-05.13.23	指针---左或右	hand - left or right
41-05.13.26	轮廓	profile
41-05.13.29	外观	face
41-05.13.33	边缘	edge
41-05.13.36	边缘轮廓	edge profile
41-05.13.39	顶点	vertex
41-05.13.43	点	point
41-05.13.46	正面边	front side edge
41-05.13.49	正面角	front side angel
41-05.13.53	变形	deform
41-05.13.56	中心弯曲度	center curvature
41-05.13.63	边缘弯曲度	edge curvature
41-05.13.66	侧面弯曲度	side curvature
41-05.16.00	一维尺寸	single dimensions
41-05.16.10	标准或自定义大小	standard or custom size
41-05.16.15	长度	length
41-05.16.20	宽度	width
41-05.16.25	高	height
41-05.16.30	厚度	thickness
41-05.16.35	深度	depth
41-05.16.40	距离	distance
41-05.16.45	间距	spacing
41-05.16.50	跨度	span
41-05.16.55	半径	radius
41-05.16.60	计量规	gauge
41-05.19.00	二维尺寸	area dimensions
41-05.19.10	角度尺寸	angular dimensions

41-05.19.15	平面角	plane angle
41-05.19.20	坡角	slope angle
41-05.19.25	立体角	solid angle
41-05.19.30	内径	inside diameter
41-05.19.35	外径	outside diameter
41-05.19.40	圆周	circumference
41-05.19.45	周长	perimeter
41-05.19.50	高差	level difference
41-05.19.55	坡度	slope
41-05.19.60	任意尺寸	arbitrary dimension
41-05.19.65	容积率	floor area ratio
41-05.19.70	净出租面积	net rentable area
41-05.19.75	人均居住面积	floor area per occupant
41-05.23.00	空间尺寸	room size
41-05.23.10	液体体积	fluid volume
41-05.23.15	固体体积	dry volume
41-05.23.20	比容	specific volume
41-05.23.25	流量	volume per unit time
41-05.23.30	空气渗透量	air infiltration volume
41-05.23.35	空气比容	air specific volume
41-05.23.40	水渗透量	water penetration volume
41-05.23.45	截面模量	section modulus
41-05.23.50	截面惯性矩	second moment of area
41-05.23.55	渗出（毒）率	leaching rate
41-05.26.00	比值量	relational measurements
41-05.26.10	速率	speed
41-05.26.13	加速度	acceleration
41-05.26.16	角加速度	angular acceleration

41-05.26.19	高宽比	aspect ratio
41-05.26.23	因变量	dependent variable
41-05.26.26	因变量值	dependent value
41-05.26.29	频率	frequency
41-05.26.33	相对年代	relative age
41-05.26.36	相对湿度	relative humidity
41-05.26.39	相对功率	relative power
41-05.26.43	相对范围	relative range
41-05.26.46	相对音量	relative sound
41-05.26.49	相对时间	relative time
41-05.26.53	转动频率	rotational frequency
41-05.26.56	分析单元	unit of analysis
41-05.26.59	速度	velocity
41-05.29.00	可回收、可再生	sustainability
41-05.29.10	建筑 and 材料再利用	building and material reuse
41-05.29.15	收集方法	harvest method
41-05.29.20	提取方法	extraction method
41-05.29.25	回收含量	recycled content
41-05.29.30	快速再生材料	rapidly renewable materials
41-05.29.35	不可再生材料	non-renewable materials
41-05.29.40	可持续产品认证	sustainable product certification
41-05.29.45	可持续生产认证	sustainable manufacturing certification
41-05.29.50	生命周期分析	life cycle analysis (LCA)
41-05.29.55	环保产品声明 (EPD)	environmental product declaration (EPD)
41-05.29.60	供应链的环境足迹	environmental footprint of supply chain
41-05.29.65	环境管理	environmental stewardship
41-05.29.70	可再定位	relocatability
41-05.33.00	化学组成	chemical composition

41-05.33.10	合金、回火	alloy, temper
41-05.33.15	生物降解	biodegradability
41-05.33.20	化学老化	chemical aging
41-05.33.25	化学成分	chemical composition
41-05.33.30	兼容性	compatibility
41-05.33.35	组成材料	constituent materials
41-05.33.40	延展性	ductility
41-05.33.45	可锻性	malleability
41-05.33.50	可溶性	solubility
41-05.33.55	膨胀	expansion
41-05.33.60	收缩性	shrinkage
41-05.33.65	介电系数	dielectric constant
41-05.33.70	电蚀	galvanic corrosion
41-05.33.75	氧化反应	oxidation reaction
41-05.33.80	还原反应	reduction reaction
41-05.36.00	规定含量	regulated content
41-05.36.10	不挥发物含量；固体含量	non-volatile matter content; solids content
41-05.36.15	涂料水分	water content of coating
41-05.36.20	涂料灰分	ash content of coating
41-05.36.25	VOC 含量 挥发性有机化合物含量	VOC content
41-05.36.30	VOC 合规性 挥发性有机化合物合规性	VOC compliance
41-05.36.35	石棉含量	asbestos content
41-05.36.40	甲醛含量	formaldehyde content

41-05.36.45	铅含量	lead content
41-05.36.50	抗辐射性	radiation resistance
41-05.36.55	臭氧消耗值	ozone depletion content
41-05.36.60	持久性, 生物积累性, 有毒污染性 (PBTS)	persistent, bioaccumulative, and toxic pollutants (PBTs)
41-05.36.65	氯氟碳化物 (CFC) 含 量	chlorofluorocarbon (CFC) emissions
41-05.36.70	含氯氟烃 (HCFC) 含量	hydrochlorofluorocarbons (HCFC) emissions
41-05.36.75	毒性含量	toxic content
41-05.36.80	生物毒性	ecological toxicity
41-05.39.00	温度	temperature
41-05.39.10	温度类型	temperature types
41-05.39.15	绝对温度	absolute temperature
41-05.39.20	华氏温度	fahrenheit temperature
41-05.39.25	环境温度	ambient temperature
41-05.39.30	脆化温度	brittleness temperature
41-05.39.35	设计温度	design temperature
41-05.39.40	温度点	temperature points
41-05.39.45	温升	temperature rise
41-05.39.50	温度区间	temperature interval
41-05.39.55	温度差	temperature differential
41-05.39.60	相温度	phase temperatures
41-05.39.65	工作温度区间	temperature ranges
41-05.39.70	热指数	heat index
41-05.43.00	结构荷载	structural loading
41-05.43.10	永久荷载	dead loads
41-05.43.20	可变荷载	live loads
41-05.43.30	偶然荷载	accidental load

41-05.46.00	空气和其他气体	air and other gases
41-05.46.05	室内空气质量	indoor air quality (IAQ)
41-05.46.10	透湿率	moisture vapor transmission rate
41-05.46.15	标准空气污染物	criteria air pollutants
41-05.46.20	二氧化碳浓度	carbon dioxide level
41-05.46.25	甲烷浓度	methane level
41-05.46.30	一氧化二氮浓度	nitrous oxide level
41-05.46.35	烟雾浓度	smog level
41-05.46.40	能见度	visibility
41-05.49.00	液体	liquids
41-05.49.05	液体浓度	liquid concentration
41-05.49.10	蒸发率	liquid evaporation rate
41-05.49.15	液体 PH 值	liquid pH
41-05.49.20	吸湿膨胀	hygrometric expansion
41-05.49.25	吸湿率	hygroscopicity
41-05.49.30	流体粘度	fluid viscosity
41-05.49.35	流体密度	fluid density
41-05.53.00	质量类	mass category
41-05.53.05	质量	mass
41-05.53.10	重量	weight
41-05.53.15	密度	density
41-05.53.20	比重	specific gravity
41-05.53.25	动量	momentum
41-05.53.30	交换效率	exchange effectiveness
41-05.53.35	初始含水率	initial moisture content
41-05.53.40	最终含水率	final moisture content
41-05.56.00	受力	force
41-05.56.10	力, 常规特性	force, general properties

41-05.56.15	作用力	applied forces
41-05.56.20	每单位长度的力	force per unit length
41-05.56.25	力矩	moment of force
41-05.56.30	惯性矩	moment of inertia
41-05.56.35	扭矩	torque
41-05.56.40	电动势	electromotive force
41-05.59.00	压力	pressure
41-05.59.10	大气压	air pressure
41-05.59.13	压差	differential pressure
41-05.59.16	绝对压力	absolute pressure
41-05.59.19	相对压力	relative pressure
41-05.59.23	真空表压力	vacuum gauge pressure
41-05.59.26	静态压力	static pressure
41-05.59.29	动态压力	dynamic pressure
41-05.59.33	围压	ambient pressure
41-05.59.36	作用压力	applied pressures
41-05.59.39	大气压强	atmospheric pressure
41-05.59.43	校准压力	calibrated pressure
41-05.59.46	设计压力	design pressure
41-05.59.49	表压	gage pressure
41-05.59.53	泄漏的压力	leakage under pressure
41-05.59.56	残余压力	residual pressure
41-05.59.59	静压力	static pressure
41-05.59.63	静压差	static pressure differential
41-05.59.66	压降	pressure drop
41-05.59.69	真空压力	vacuum pressure
41-05.59.73	蒸气压	vapor pressure
41-05.59.76	风压	wind pressure

41-05.63.00	磁	magnetism
41-05.63.10	磁通量	magnetic flux
41-05.63.20	磁矢势	magnetic vector potential
41-05.63.30	磁导	magnetic permeance
41-05.63.40	互感	mutual inductance
41-05.63.50	磁势差	magnetic potential difference
41-05.63.60	磁力	magnetomotive force
41-05.63.70	磁感应	magnetic induction
41-05.66.00	环境	environmental
41-05.66.10	地震分级	seismic classification
41-05.66.20	设计标准	design criteria
41-05.66.30	风速	wind speed
41-05.66.40	气候类型	climate class
41-05.66.50	臭氧浓度	ozone concentration
41-05.66.60	地貌	land features
41-05.66.70	水体类型	water body type
41-05.69.00	建材检测属性	building materials test attributes
41-06.00.00	性能特征	performance properties
41-06.10.00	测试属性	testing properties
41-06.10.10	测试方法	test method
41-06.10.15	试验主管机构	test authority
41-06.10.20	预测试条件	pre-test conditions
41-06.10.25	测试条件	test conditions
41-06.10.30	参考标准	reference standard
41-06.10.35	检测协议	inspection protocol
41-06.10.40	厂家测试	factory testing
41-06.10.45	现场测试	field testing
41-06.10.50	组分分析法	component analysis

41-06.15.00	容差属性	tolerance properties
41-06.15.10	偏转容差	deflection tolerance
41-06.15.15	尺寸容差	dimensional tolerance
41-06.15.20	形状容差	shape tolerance
41-06.15.25	装配/安装容差	installation tolerance
41-06.15.30	垂直度	plumbness
41-06.15.35	方正度	squareness
41-06.15.40	水平度	levelness
41-06.15.45	质地容差	texture tolerance
41-06.20.00	功能和使用属性	function and use properties
41-06.20.10	功能效率	functional efficiency
41-06.20.15	功能限制	functional limitations
41-06.20.20	操作方法	method of operation
41-06.20.25	功能实施（实现）能力	functional capacity
41-06.20.30	规范符合度	code performance
41-06.20.35	覆盖率	coverage rate
41-06.20.40	易用性	ease of
41-06.20.45	适用性	serviceability
41-06.20.50	适合性	suitability
41-06.20.55	可用性	workability
41-06.20.60	耐气候性	weatherability
41-06.20.65	产生的废弃物	waste produced in use
41-06.20.70	抗风压性能	wind load resistance performance
41-06.20.75	装饰性	decoration
41-06.25.00	强度属性	strength properties
41-06.25.01	黏合强度	adhesion strength
41-06.25.03	弯曲性	bendability
41-06.25.05	弯矩	bending moment

41-06.25.07	弯曲半径	bending radius
41-06.25.09	抗弯强度	bending strength
41-06.25.11	粘合强度	bond strength
41-06.25.13	压缩性	compressibility
41-06.25.15	抗收缩性	compressive resistance
41-06.25.17	抗压强度	compressive strength
41-06.25.19	抗蠕变性	creep resistance
41-06.25.21	延性	ductility
41-06.25.23	弹性	elasticity
41-06.25.25	伸长率	elongation
41-06.25.27	紧固件抗拔性	fastener pullout resistance
41-06.25.29	疲劳强度	fatigue strength
41-06.25.31	纤维强度	fiber strength
41-06.25.33	挠曲强度	flexural strength
41-06.25.35	断裂能	fracture energy
41-06.25.37	断裂韧性	fracture toughness
41-06.25.39	摩擦力	friction
41-06.25.41	硬度	hardness
41-06.25.43	抗冲击强度	impact strength
41-06.25.45	抗蓄意攻击能力	resistance to intentional attack
41-06.25.47	磁场强度	magnetic field strength
41-06.25.49	弹性模量	modulus of elasticity
41-06.25.51	剥离强度	peel strength
41-06.25.53	比例极限	proportional limit
41-06.25.55	抗局部冲击	puncture resistance
41-06.25.57	释放强度	release strength
41-06.25.59	剪切强度	shear strength
41-06.25.61	刚度	stiffness

41-06.25.63	应变	strain
41-06.25.65	应力	stress
41-06.25.67	应力速率	stress rating
41-06.25.69	表面张力	surface tension
41-06.25.71	撕裂强度	tear strength
41-06.25.73	抗撕裂强度	tear resistance
41-06.25.75	抗拉强度	tensile strength
41-06.25.77	极限强度	ultimate strength
41-06.25.79	抗风强度	uniform wind load resistance
41-06.25.81	振动	vibration
41-06.25.83	抗风浮强度	wind uplift resistance
41-06.25.85	屈服强度	yield strength
41-06.30.00	耐久性属性	durability properties
41-06.30.10	耐磨性	abrasion resistance
41-06.30.13	防破坏抵制力	abuse resistance
41-06.30.15	抗酸性	acid resistance
41-06.30.17	抗碱性	alkali resistance
41-06.30.19	抗动物冲击性能	animal resistance
41-06.30.21	抗微生物性	bacteria resistance
41-06.30.23	耐化学腐蚀性	chemical resistance
41-06.30.25	耐蚀性	corrosion resistance
41-06.30.27	抗裂性	crack resistance
41-06.30.29	耐腐蚀性	decay resistance
41-06.30.31	耐老化性	degradation resistance
41-06.30.33	分层速率	delamination rate
41-06.30.35	抗褪色性	fade resistance
41-06.30.37	抗疲劳强度	fatigue resistance
41-06.30.39	摩擦系数	friction coefficient

41-06.30.41	防霉性	fungus resistance
41-06.30.43	耐压痕性	indentation resistance
41-06.30.45	耐红外线性	infrared resistance
41-06.30.47	耐虫性	insect resistance
41-06.30.49	抗磨损	resistance to wear
41-06.30.51	维护耐久性	maintenance durability
41-06.30.53	机械耐久性	mechanical durability
41-06.30.55	抗细菌性	microorganism resistance
41-06.30.57	抗霉性	mildew resistance
41-06.30.59	耐臭氧性	ozone resistance
41-06.30.61	耐植物生长性	plant growth resistance
41-06.30.63	耐沾污性	stain resistance
41-06.30.65	耐蚁蚀性	termite resistance
41-06.30.67	耐热震性	thermal shock resistance
41-06.30.69	耐紫外线(UV)性	ultraviolet (UV) resistance
41-06.30.71	磨损系数	wear coefficient
41-06.30.75	磨损率	wear rate
41-06.35.00	燃烧属性	combustion properties
41-06.35.10	人工热源	artificial heat source
41-06.35.13	可燃性	combustibility
41-06.35.15	耐火等级	fire resistance rating
41-06.35.17	火灾特性	fire performance
41-06.35.19	对火反应	reaction to fire
41-06.35.21	火灾场景	fire scenario
41-06.35.23	火灾严重程度	fire severity
41-06.35.25	火源	fire source
41-06.35.27	火灾类型	fire type
41-06.35.29	火焰传播	flame propagation

41-06.35.31	火焰蔓延指数	flame spread index
41-06.35.33	易燃性	flammability
41-06.35.35	着火性	ignitibility
41-06.35.37	放热率	heat release rate
41-06.35.39	放热量	heat release
41-06.35.41	热值	calorific value
41-06.35.43	总热值	gross calorific potential
41-06.35.45	受火程度	level of exposure
41-06.35.47	烟浓度	smoke density
41-06.35.49	烟蔓延指数	smoke developed index
41-06.35.51	烟蔓延等级	smoke developed rating
41-06.35.53	烟雾产生	smoke produced
41-06.35.55	表面燃烧特性	surface burning characteristics
41-06.35.57	防爆	explosion proof
41-06.35.59	防火	fire resistance
41-06.35.61	抗引燃性	ignition resistance
41-06.35.63	临界辐射通量	critical radiant flux
41-06.40.00	密封属性	properties of the envelope
41-06.40.10	吸收率	absorptance
41-06.40.13	空气渗透	air infiltration
41-06.40.15	气密性	air tightness
41-06.40.17	漏气量	air leakage
41-06.40.19	渗水性、渗透力	water penetration
41-06.40.21	抗结露因子（CRF）	condensation resistance factor (CRF)
41-06.40.23	热阻国际系统(RSI)	R-value système international (RSI)
41-06.40.25	U-值	U-value
41-06.40.27	整体电阻国际系统	USI
41-06.40.29	绝缘密度	Insulation density

41-06.40.31	绝热型材	Insulation profile
41-06.40.33	开口属性	properties of openings
41-06.40.40	太阳能得热系数	solar heat gain coefficient (SHGC)
41-06.40.37	遮阳系数	shading coefficient
41-06.40.39	热阻	R-value
41-06.40.41	传热系数	heat transfer coefficient
41-06.40.43	比热	specific heat
41-06.40.45	内部热能	internal thermal energy
41-06.40.47	线性热膨胀系数	linear thermal expansion coefficient
41-06.40.49	长期热阻	long-term thermal resistance (LTTR)
41-06.40.51	比热输入 特定热能输入量	specific heat input
41-06.40.53	断热	thermal break
41-06.40.55	热导率	thermal conductance
41-06.40.57	导热系数	thermal conductivity
41-06.40.59	热扩散系数	thermal diffusivity
41-06.40.61	热绝缘系数	thermal insulance
41-06.45.00	透气和防潮指标	properties of permeability and moisture resistance
41-06.45.10	抗凝结性	condensation resistance
41-06.45.13	抗冻融性	freeze-thaw resistance
41-06.45.15	抗冻性	frost resistance
41-06.45.17	透气性	gas permeability
41-06.45.19	透水百分比	percent perviousness
41-06.45.21	磁导率	magnetic permeability
41-06.45.23	抗吸湿性	moisture absorption resistance
41-06.45.25	含水量	moisture content
41-06.45.27	污染物渗透	pollutant permeability

41-06.45.29	孔隙率	porosity
41-06.45.31	抵抗潮气	resistance to rising damp
41-06.45.33	水汽渗透率	vapor permeability
41-06.45.45	防水汽性	vapor resistance
41-06.45.37	渗透速度	velocity permeability
41-06.45.39	吸水性	water absorption
41-06.45.41	抗吸水性	water absorption resistance
41-06.45.43	不透水性	water imperviousness properties
41-06.45.45	抗透水性	water permeability resistance
41-06.45.47	表层水吸收	surface water absorption
41-06.50.00	声学属性	acoustic properties
41-06.50.10	声阻抗	acoustic impedance
41-06.50.13	混响时间	reverberation time
41-06.50.15	噪声级	noise level
41-06.50.17	降噪系数(NRC)	noise reduction coefficient (NRC)
41-06.50.19	声各向异性	acoustical anisotropy
41-06.50.21	吸音	acoustical absorption
41-06.50.23	声吸收	sound absorption
41-06.50.25	吸声系数	sound absorption coefficient
41-06.50.27	平均吸声值 (SAA)	sound absorption average (SAA)
41-06.50.29	声衰减 (消声)	sound attenuation
41-06.50.31	声能密度	sound energy density
41-06.50.33	声能通量	sound energy flux
41-06.50.50	声强级	sound energy flux density level
41-06.50.37	音频	sound frequency
41-06.50.39	声强	sound intensity
41-06.50.41	隔声	sound isolation
41-06.50.43	声功率	sound power

41-06.50.45	声压	sound pressure
41-06.50.47	声速	sound speed
41-06.50.49	声音反射	sound reflectance
41-06.50.51	透射等级	sound transmission class (STC)
41-06.50.53	语言清晰度	speech intelligibility
41-06.50.55	累积百分声级	percentile sound level
41-06.55.00	建材检测属性	building materials test attributes
41-06.55.01	性能检测	inspection
41-06.55.02	定级检测	grade testing
41-06.55.03	工程检测	engineering testing
41-06.55.04	盐雾试验	salt spray test
41-06.55.05	严重渗漏压力差值	pressure difference under serious water leakage
41-06.55.06	渗出性	bleeding
41-06.55.07	流平性	leveling
41-06.55.08	低温柔性	low-temperature flexibility
41-06.55.09	粘结性	adhesion
41-06.55.10	拉伸粘结性	tensile properties
41-06.55.11	定伸粘结性	tensile properties at maintained extension
41-06.55.12	剥离粘结性	peel properties
41-06.55.13	光泽度	glossiness
41-06.55.14	平面度	flatness
41-06.55.15	冲洗功能	washing function
41-06.55.16	水封功能	water seal resistance
41-06.55.17	弹性恢复率	elastic recovery
41-06.55.18	暂时应力	temporary stress
41-06.55.19	永久应力	permanent stress
41-06.55.20	弹性限度	springiness limit
41-06.55.21	断裂延伸率	elongation at break

41-06.55.22	渗出	exudation
41-06.55.23	渗出率	leaching rate
41-06.55.24	电绝缘性	insulating property
41-06.55.25	耐候性	weather resistance
41-06.55.26	化学稳定性	chemical stability
41-06.55.27	抗冻系数	coefficient of freeze resistance
41-06.55.28	防滑系数	coefficient of slip-resistance
41-06.55.29	耐光性	light fastness
41-06.55.30	耐压痕性	print resistance
41-06.55.31	抗甩性	anti-centrifugal splash
41-06.55.32	耐电弧性	arc resistance
41-06.55.33	耐湿热性	resistance to heat and humidity
41-06.55.34	气密性能	air permeability performance
41-06.55.35	水密性能	watertightness performance
41-06.55.36	吸水率	water absorption
41-06.55.37	水蒸气透过率	water-vapour transmission rate
41-06.55.38	名义尺寸	nominal size
41-06.55.39	工作尺寸	work size, manufacturing size
41-06.55.40	实际尺寸（产品尺寸）	actual size
41-06.55.41	配合尺寸	coordinating size
41-06.55.42	模数尺寸	modular size
41-06.55.43	非模数尺寸	non-modular size
41-06.55.44	公差	tolerance
41-06.55.45	粘度	viscosity
41-06.55.46	冷却面积	cooling area
41-06.55.47	熔化面积	melting area
41-06.55.48	试件面积	area of specimen
41-06.55.49	单位面积空气通过量	volume of air flow through a unit area

41-06.55.50	附加空气渗透量	volume of extraneous air leakage
41-06.55.51	动力粘度	dynamic viscosity
41-06.55.52	运动粘度	kinematic viscosity
41-06.55.53	挥（蒸）发率	evaporation rate; volatility
41-06.55.54	对比率	contrast ratio
41-06.55.55	引上率	drawing rate
41-06.55.56	切裁率	yield of glass sizing
41-06.55.57	标准储备混合物	stock reference compound mixture
41-06.55.58	最低成膜温度	minimum filming temperature （ MFT ）； minimum film formation temperature （MFT）

本标准用词说明

- 1 为便于在执行本标准条文时区别对待，对要求严格程度不同的用词说明如下：
 - 1) 表示很严格，非这样做不可的用词：
正面词采用“必须”，反面词采用“严禁”；
 - 2) 表示严格，在正常情况下均应这样做的用词：
正面词采用“应”，反面词采用“不应”或“不得”；
 - 3) 表示允许稍有选择，在条件许可时首先应这样做的用词：
正面词采用“宜”，反面词采用“不宜”；
 - 4) 表示有选择，在一定条件下可以这样做的用词，采用“可”。
- 2 条文中指明应按其他有关标准执行的写法为“应符合……的规定”或“应按……执行”。

引用标准名录

- 1 《信息分类和编码的基本原则和方法》 GB/T 7027

中华人民共和国国家标准

建筑信息模型分类和编码标准

GB/T 50XXX-20XX

条文说明

制定说明

《建筑信息模型分类和编码标准》GB/T 50XXX-20XX，经住房和城乡建设部 20XX 年 XX 月 XX 日以第 XX 号公告批准、发布。

本标准制订过程中，编制组进行了广泛的调查研究，总结了我国工程建设中建筑信息模型应用的实践经验，同时参考了国外先进技术法规、技术标准。

为便于广大施工、科研、学校等单位有关人员在使用本标准时能正确理解和执行条文规定，《建筑信息模型分类和编码标准》编制组按章、节、条顺序编制了本标准的条文说明，对条文规定的目的、依据以及执行中需注意的有关事项进行了说明。但是，本条文说明不具备与标准正文同等的法律效力，仅供使用者作为理解和把握标准规定的参考。

目 次

1	总则	289
2	术语	290
3	基本规定	293
3.1	分类对象和分类方法	293
3.2	编码及扩展规定	294
4	应用方法	297
4.1	编码运算符号	297
4.2	编码的应用	297

1 总则

1.0.1 建筑信息模型应用的一个重要保证是信息的流畅传递、交互，为保证信息的有效传递，建筑工程中建设资源、建设进程与建设成果等对象的分类与编码的统一是关键，该分类和编码应该在建筑工程全生命期的信息应用中保持一致和统一。本标准依据ISO 12006-2对建筑工程信息中所涉及的对象进行了全面、系统的梳理，本次共有15个表对不同对象，从不同角度进行了分类和编码。本标准是建筑工程行业一次系统的分类和编码的梳理，是建筑信息模型应用的基础之一。

1.0.2 本标准是基于民用建筑及通用工业厂房建筑的建设编制的，其他建设类型可以参照执行。

2 术语

2.0.1 来自 ISO 12006-2: 2001, 每个元素都满足了特定的主要功能, 或独立, 或与其他元素结合。元素应用的最广泛的时期是项目早期, 以确定项目的物理特征、运营特征和美学特征。考虑元素时不与功能材料、技术解决方案结合。对于每个元素, 都可能有多项技术解决方案能够达到该元素的功能。

2.0.2 工作成果包括特定的技能和交易, 所使用的建筑材料、人工、机械等建设资源, 该工作成果相应的实体建设成果, 及完成该工作成果相应的临时工作或其他准备或已完成工作。工作成果可以是建筑实体的一部分, 也可以是非实体的, 如脚手架工程、临时道路、场地清理等。

一个工作成果可能和多个建筑产品的组合有关系, 例如外保温系统; 也有可能只和一个单一的建筑产品有关系, 例如石膏板; 一个工作成果也可能只涉及用于实现所需成果的劳动力和设备, 例如“桩荷载测试”、“挖土方”。

工作的成果代表完成该实体所需的所有材料、人工或机械工作和过程完成的状态。由于业主最终渴望一个完成的实体, 常常通过工作成果描述合同要求, 并尽量减少总承包单位完成该工作成果过程的细节描述。

例如: 已完成施工现浇混凝土, 已安装的钢筋, 安装好的管道, 安装好的脚手架, 完成的临时宿舍等。

2.0.3 在对本项目阶段编码划分过程中, 首要的参考了现阶段国内建筑流程阶段划分及相关标准, 另外也结合了 BIM 对现阶段及未来建筑行业中建筑各流程发展趋势的影响。由于团队与企业间整合与协作的逐步深入, 原来单一的单线式建筑流程将被逐步整合的建筑团队在共享的信息平台上完成。设计与施工阶段开始相互融合, 制造业与 IT 产业也在加速融入, 原有的设计与施工中各个环节的界限在整合的背景下变得模糊。此外, 借助于 BIM 配套软件的应用与相互兼容, 在强大的计算辅助下, 项目实施前的准备活动可以更高水平的铺开, 并为以后更深层次的工作做前期分析。在项目后期的运营维护阶段, BIM 依然能继续发挥效能, 指导并辅助工程师参与建筑的设备保养与维护。因此, 本编码标准共列了三个一级类目: (一) 项目前期阶段; 业主、政府从概念化的、模型化的信息、政策分析、城市协调、经济等角度考量建筑项目的实施可行性; (二) 项目实施阶段; BIM 的改革不仅使建筑下游的施工方工作提前, 也通过 BIM 数据库建立针对不同专业的协作与沟通平台, 因此项目实施阶段中包含了完整的建筑项目由概念直至项目实体交付的流程; (三) 项目后期管理阶段; 此阶段指建筑项

目在交付后的使用期间所需要的任务工作。

2.0.4 由于本标准编码需要收集并梳理建筑全生命期中所有的相关工作与活动，因此在建筑信息模型应用的基础上首先考虑到了模型化的信息对建筑业、制造业、IT 产业的整体影响，以及对建筑咨询而言的活动业务变化。另外，考量到现国内建筑过程还需要足够的时间与未来的 BIM 产业链进行对接，因此本标准编码也充分的参照了国内现行的建筑流程。

综合上述两种建筑行业发展背景，本标准编码将建筑流程中的工作活动划分为十一大板块：

（一）投资行为：代表了项目开发团队在项目初始萌芽中对项目开展所需的融资规划与经济风险分析；（二）设计行为：对以传统设计与 BIM 设计的活动进行梳理与整合；（三）实施行为：项目开工建造所需的活动；（四）运营与维护：指建筑项目在成功交付后经营阶段的业务活动；（五）咨询行为：以顾问、咨询团队的角度对建筑全流程活动的梳理；（六）政府行为：意在指建筑流程中政府部门所参与的工作；（七）管理行为：指建筑项目管理在建筑流程中各个阶段所完成的工作；（八）沟通行为：以项目团队、企业之间项目协作、合作为基础而产生的相互交流及信息共享；（九）决策行为：以各企业领导层为出发点，梳理企业管理者在项目引入，实施以及后期维护等全生命期中需要做出的各种形式的决定；（十）文档管理行为：介绍如何在引入建筑信息模型的基础上对项目实施过程中的各类文档进行维护，整合与管理；（十一）日常行为：罗列了项目参与者在日常工作生活中可能发生的活动。

2.0.6 建筑产品是用于建设的基本单元。可以是单一产品个体、工厂生产的多个产品组合体、也可以是工厂生产的可独立运行的系统。当材料以原有的形式作为一个组件来实现工作效果时，它们也被视为产品。例如：砂，可作为独立产品在工程中使用，同时砂也是其他产品的构成材料，如预制混凝土制品。因此，基本材料（如砂）在表-30 和表-40 中都出现。表 40-材料的焦点是材料的基本组成和物理性能，而不考虑材料的组合和使用。

2.0.7 组织角色的关键概念在于在一个给定的项目的背景下参与者的责任范围和参与者的工作职能，而不考虑其领域的专门知识，教育，经验，或培训。一些组织角色意味着特定领域的专业知识，但一般那些问题是由表 22 - 专业领域充分解决。参与者可以是个人，小组或团队，一个公司，一个协会，一个机构，一个研究所，或其他类似组织。

2.0.8 建筑实体全寿命周期相关的进程需要用的资源，用于完成项目的设计和建造，但它们不会成为最终的建筑主体的组成部分。很多参与者使用它们以执行各项服务，如计算机硬件、CAD 软件、临时围栏、反铲挖土机、塔式起重机、排水网络设施、模具锤、轻型卡车、工地活动房。

2.0.9 信息可以存在于各种各样的媒体中，包括印刷和数字化形式。信息可以作为一般参照和监管数据，例如制造标准，或者它也可作为类似于项目手册的具体项目标准。信息是在创造和维持建设环境过程中的交流的主要工具。通常，信息需要被归档、存储以及检索。信息表主要是对任何项目在其全生命期内所访问，创建，使用和交换的信息的类型和形式进行分类。

2.0.10 这些物质可以是天然物质或人工合成物质，通常具有化学成分，而与形状定义无关。如：金属化合物、岩石、土壤、木材、玻璃、塑料、橡胶等。材料范围非常广泛，本标准分类目对建筑工程领域主要的、常用的产品材质进行定义和分类，用于描述建筑产品的基本物质属性值。

2.0.11 如：颜色、宽度、长度、厚度、深度、直径、面积、重量、强度、防火性能、防潮性能等，属性只对特指的建设实体有实际意义。

2.0.12 通过建筑工程设计信息分类编码组织的信息集合，需要遵循一定的原则，以一定的顺序进行存档整理。从而保证信息集合的有序性。

3 基本规定

3.1 分类对象和分类方法

3.1.1 建筑信息模型分类是我国建筑工程一个新的分类系统，将在很多领域广泛应用。从组织图书馆材料，产品说明，项目信息，一直到为电子数据库提供分类体系都要用到。是针对建筑、工程、施工领域制定并作为信息分类的标准原则使用。它贯穿了整个建筑生命周期：从概念期到报废期甚至回收期。它包括了构成建设环境的所有建设工程。为了建筑工程全生命期的信息化应用，有必要将建筑工程中所涉及的对象进行分类。

3.1.2 建筑信息模型分类包括 15 张表，每张表代表建设工程信息的一个方面。每张表都可以单独使用，对特定类型的信息进行分类，也可以与其他表结合，为更加复杂的信息进行分类。其中表 10 至表 15 用于整理建设结果。表 30 至表 33 以及表 40 和表 41 用于组织建设资源。表 20 至表 22 用于建设过程的分类。

这 15 个分类表与 ISO 12006-2 中第四部分所提到的表相对应，如下表所示：

表 10-按功能分建筑物	ISO 表 4.2 建筑实体（按照功能或用户活动分类） ISO 表 4.3 建筑综合体（按照功能或用户活动分类） ISO 表 4.6 设施（建筑综合体、建筑实体和建筑空间按照功能或用户活动分类）
表 11-按形态分建筑物	ISO 表 4.1 建筑实体（按照形态分类）
表 12-按功能分建筑空间	ISO 表 4.5 建筑空间（按照功能或用户活动分类）
表 13-按形态分建筑空间	ISO 表 4.4 建筑空间（按照附件等级分类）
表 14-元素	ISO 表 4.7 基本要素（按照建筑实体的特别主导功能分类） ISO 表 4.8 设计原理（按照工作类型分类）
表 15-工作成果	ISO 表 4.9 工作成果（按照工作类型分类）
表 20-工程建设项目阶段	ISO 表 4.11 建筑实体寿命周期阶段（按照阶段中各过程的所有特性分类） ISO 表 4.12 项目阶段（按照阶段中各过程的所有特性分类）
表 21-行为	ISO 表 4.10 管理过程（按照过程类型分类）
表 22-专业领域	ISO 表 4.15 施工代理（按照学科分类）

表 30-建筑产品	ISO 表 4.13 建筑产品（按照功能分类）
表 31-组织角色	ISO 表 4.15 施工代理人（按照限定条款分类）
表 32-工具	ISO 表 4.14 施工辅助（按照功能分类）
表 33-信息	ISO 表 4.16 建设信息（按照媒介类型分类）
表 40-材质	ISO 表 4.17 性能及特点（按照材质类型分类）
表 41-属性	ISO 表 4.17 性能及特点（按照材料类型分类）

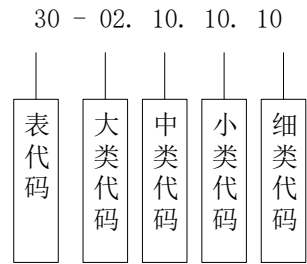
3.1.3 如表 30-建筑产品表中所规定的砌体可分为：

层级	类目	分类名（中文）	分类名（英文）
一级类目	大类	砌体	masonry
二级类目	中类	砖	brick
三级类目	小类	烧结砖	fired brick
四级类目	细类	普通砖	common brick
四级类目	细类	空心砖	hollow brick
四级类目	细类	多孔砖	perforated brick

3.2 编码及扩展规定

3.2.1 本标准的编码结构按照表代码+表内编码的方式，表代码与表内编码采用“—”连接，例如表 30 中普通砖的全部编码为表代码 30+表内编码 02.10.10.10，之间用“—”连接，即普通砖的完整编码为 30-02.10.10.10。同时，各级代码采用 2 位阿拉伯数字表示，也就是各级代码的容量为 100，从 00～99。

例如，普通砖编码 30-02.10.10.10 的编码结构为：



3.2.2 全数字编码方式是当前国际上流行的编码方式，本标准也采用此种编码方式。由于建

筑工程中所涉及的对象非常丰富，对于不同的对象分成 15 个表，每个表对应一大类对象，例如建筑实体，空间等，针对 15 个表，采用两位数字的方式进行编码，例如建筑产品表的表代码为 30。对于建筑产品表内的具体对象，按照每个层级两位数字代码的形式表示，例如大类类目砌体，代码为 02，砌体的部分分类及编码如下表所示：

类目编码	类目中文名称	类目英文名称
30-02.00.00	砌体	masonry
30-02.10.00	砖	brick
30-02.10.10	烧结砖	fired brick
30-02.10.10.10	普通砖	common brick
30-02.10.10.20	空心砖	hollow brick
30-02.10.10.30	多孔砖	perforated brick
30-02.10.20	非烧结砖	non-fired brick
30-02.10.20.10	混凝土普通砖	concrete common brick
30-02.10.20.20	混凝土空心砖	concrete hollow brick
30-02.10.20.30	混凝土多孔砖	concrete perforated brick
30-02.10.20.40	蒸压粉煤灰多孔砖	autoclaved lime-sand perforated brick
30-02.10.20.50	蒸压灰砂多孔砖	autoclaved fly ash perforated brick

3.2.3 科学性是指应选取分类对象的本质属性或特征为分类依据进行分类，例如建筑实体与空间；系统性是指分类体系应是系统化，例如建筑产品的分类应具有较强的逻辑性并完整；可扩延性是指分类体系中应设置收容分类，方便后期应用时根据不同需要进行扩展应用；兼容性是指和现有其他标准相协调，例如《建设工程工程量清单计价规范》GB50500；综合实用性是指分类要从总体角度出发，在满足总要求和总目标的前提下，满足系统内相关单位的需求。

自定义层级代码的最高层级应采用 90~99 之间的数字进行编制。例如：在表 30 建筑产品表的砌体大类中增加新的种类，则设置代码应为：

类目编码	类目中文名称	类目英文名称
30-02.00.00	砌体	masonry

30-02.10.00	砖	brick
30-02.10.10	烧结砖	fired brick
30-02.10.10.10	普通砖	common brick
30-02.10.10.20	空心砖	hollow brick
30-02.10.10.30	多孔砖	perforated brick
30-02.10.20	非烧结砖	non-fired brick
30-02.10.20.10	混凝土普通砖	concrete common brick
30-02.10.20.20	混凝土空心砖	concrete hollow brick
30-02.10.20.30	混凝土多孔砖	concrete perforated brick
30-02.10.20.40	蒸压粉煤灰多孔砖	autoclaved lime-sand perforated brick
30-02.10.20.50	蒸压灰砂多孔砖	autoclaved fly ash perforated brick
.....		
30-02.91.00	XXX	XXX
30-02.91.10	XXX	XXX
30-02.91.10.10	XXX	XXX

4 应用方法

4.1 编码运算符号

4.1.1 常用的单个编码，往往不能满足我们对于所有对象进行描述的要求，需要借助这些运算符号来组织多个编码，实现精确描述、准确表意的目的。

4.1.2 由于需求的复杂性，需要多个编码组合使用，但是组合使用需要按照一定的规则执行。

1 使用“+”表示编码含义的概念集合，并且“+”联合的编码所表示的含义和性质不相互影响。

例如，表述“带空调的办公室”这一概念时，可利用“+”把描述建筑产品“空调”的编码，和商业办公空间“办公室”的编码联合起来，形成组合编码：30-44.00.00+12-12.10.10。

2 使用“/”表示一张表中连续的对象分类，连续编码段落由“/”前的编码开始，直至“/”后的编码结束。

例如：如果我们想检索所有的与“电气和建筑智能化”相关的工作成果，可以标记为 14-05/15-27.00.00，划定由“14-05”开始到“15-27.00.00”结束的范围。

3 大于号和小于号的作用在于，在加号运算基础上，改变了参与复合交集运算双方的重要顺序，从而代替加号运算符。在使用时“<”和“>”是等价的。“<”、“>”运算符号的分类编码排列顺序非常重要，因为这两个符号均意味着参与运算的两个物项在概念重要性上存在先后顺序。在某些情况下我们希望更关注的被分类物项能够在保持固有含义的情况下加载更多的信息。为了实现这个目的，需要改变分类编码的先后顺序，同时运算符要从小于号改为大于号。比如 10-14.10.00<12-12.10.00 仍然代表“医院办公区”，但是存储时将仍然以医院这个大分类进行存储。任何情况下，均应保持这样一个规则：无论使用大于号还是小于号，符号开口的方向都必须朝向概念更重要的那个分类物项。

4.2 编码的应用

4.2.1 住房和城乡建设部2012年同时组织编制了四本建筑信息模型的基础性标准，包括《建筑信息模型交付标准》、《建筑信息模型分类和编码标准》、《建筑工程信息模型存储标准》和《建筑信息模型应用统一标准》，分类编码标准的应用除了应符合本标准的规定外，还应该符合其他的3本标准的规定。

4.2.2 建筑工程信息分类编码的核心功能在于实现建筑信息的分类、检索、信息传递，这依

赖信息技术（主要是关系型或面向对象的数据库技术），运用该技术通过算法提取信息并生成报告，实现比文件存储管理更加灵活、强大的信息管理方式。

4.2.3 信息的归档是至关重要的一项工作，归档的顺序和规则不同，很可能出现不同的结果，因此归档应注意以下几点：

1 分类表内的条目按升序排列。首先按照表格序号排序，然后按照大类代码排序，之后按照中类代码排序，接着按照小类代码排序，最后按照细类代码排序，以此类推。

例如：10-21.20.10（航站楼）在 22-10.10.00（区域规划）之前归档；30-17.25.20.19（微波炉）在 30-17.25.20.27（冰箱）之前归档。

2 如下表所示的顺序进行归档：

类型	编码	对象
由“+”联合	10-09.30.00+12-05.10.20.01	主题公园舞台
由“+”联合	10-14.10.00+12-12.10.00	综合医院办公空间
由“+”联合	12-05.10.20.01+10-09.30.00	主题公园舞台
由“+”联合	12-12.10.00+10-14.10.00	综合医院办公空间

3 如下表所示的顺序进行归档：

类型	编码	对象
由“/”联合	14-05/15-27.00.00	所有与电气和建筑智能化相关的工作成果
单个编码	10-21.20.10	航站楼
由“+”联合	30-40.00.00+12-12.10.10	带空调的办公室
由“<、>”联合	12-12.10.00<10-14.10.00	综合医院办公空间

4.2.4 由于会有多个编码或组合编码可以表达某一对象的含义，因此需要规定在使用分类编码组织信息集合时，对象通用的编码，即对象的引用编码。

例如：由 12-05.10.20.01（舞台）和 10-09.30.00（主题公园）联合而成的组合编码“12-05.10.20.01+10-09.30.00”、“10-09.30.00+12-05.10.20.01”都可以表达“主题公园舞台”这一对象，但归档顺序在前的编码“10-09.30.00+12-05.10.20.01”为“主题公园舞台”这一对象的通用、统一的引用编码。

4.2.5 在组织复杂的信息集合时，有时仅依靠建筑信息模型分类编码并不能满足特定的表意需求。这时建筑工程设计信息分类编码可与产品编号结合、与合同编号结合、与时间编码结合等方式满足特定需求。