建筑元素输出为GeoJSON格式

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| 编号 | 名称 | 描述 |
| 1 | 柱 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Column",  "Isolated": false  “ParentId ”:””  }  }  Category：string类型，值为“Column”  Isolated：bool类型，是否为孤立柱  ParentId : string类型，表示嵌套关系，包括它的父亲Id |
| 2 | 剪力墙 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "ShearWall",  "Isolated": false  “ParentId ”:””  }  }  Category：string类型，值为“ShearWall”  Isolated：bool类型，是否为孤立剪力墙  ParentId : string类型，表示嵌套关系，包括它的父亲Id |
| 3 | 建筑墙 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "ArchitectureWall",  "Isolated": false  “ParentId ”:””  }  }  Category：string类型，值为“ArchitectureWall”  Isolated：bool类型，是否为孤立建筑墙  ParentId : string类型，表示嵌套关系，包括它的父亲Id |
| 4 | 门洞 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "DoorOpening",  "Switch": “Open”/”Close”  }  }  Category：string类型，值为“DoorOpening”  Switch: string类型，“Open”为开，“Close”为关 |
| 5 | 门扇 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Door",  “ParentId ”:””  “NeibourFireApartIds”：“”  “Use” : “”  }  }  Category：string类型，值为“Door”  ParentId : string类型，表示嵌套关系，包括它的父亲Id  NeibourFireApartIds : string类型, 表示相邻的防火分区Id  Use : string 类型，门的用途，如防火门等 |
| 6 | 房间 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Room",  "Name": “xx”  "Privacy": "Private"/"Public"  “ParentId ”:””  }  }  Category：string类型，值为“Room”  Name: string类型，可以为空“”  Privacy(Optional): string类型，私有空间Private，公共空间Public  若此属性不存在，则默认为公共空间  ParentId : string类型，表示嵌套关系，包括它的父亲Id |
| 7 | 排水设施 |  |
| 7-1 | 集水井 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "DrainageFacility",  "Name": “CollectingWell”  }  }  Category: string类型，值为“DrainageFacility”  Name: string类型，值为“CollectingWell” |
| 7-2 | 排水沟 | {  "type": "Feature",  "geometry": {  "type": "LineString",  "coordinates": [  ]  },  "properties": {  "Category": "DrainageFacility",  "Name": “DrainageDitch”  }  }  Category: string类型，值为“DrainageFacility”  Name: string类型，值为“DrainageDitch” |
| 7-3 | 地漏 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "DrainageFacility",  "Name": “FloorDrain”  }  }  Category: string类型，值为“DrainageFacility”  Name: string类型，值为“FloorDrain” |
| 8 | 障碍物 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Obstacle",  }  }  Category: string类型，值为”Obstacle”  未分类的障碍物，分类的障碍物包括：剪力墙，柱，门，建筑墙 |
| 9 | 停车位 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "ParkingStall",  }  }  Category: string类型，值为“ParkingStall” |
| 10 | 大屋面 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "BigRoof",  "Elevation": [  48.0  ]  }  }  Category：string类型，值为“BigRoof”  Elevation: 数组类型 , 记录标高 |
| 11 | 中心线 | {  "type": "Feature",  "geometry": {  "type": "LineString",  "coordinates": [  ]  },  "properties": {  "Category": "Centerline",  }  }  Category：string类型，值为“Centerline” |
| 12 | 连通口 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "ConnectPort",  "Code": “”  }  }  Category：string类型，值为“ConnectPort”  Code:string 类型, |
| 13 | 设备 |  |
| 13.1 | 灭火器 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Equipment",  "Name": "FireExtinguisher",  }  }  Category：string类型，值为“Equipment”  Name:string 类型, |
| 15 | 消火栓 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Equipment",  "Name": "FireHydrant",  }  }  }  Category：string类型，值为“Equipment”  Name:string 类型, |
| 16 | 外部空间 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "ExternalSpace",  }  }  Category：string类型，值为“ExternalSpace” |
| 17 | 车道线 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "LaneLine",  }  }  Category：string类型，值为“LaneLine” |
| 19 | 雨棚 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Rainshed",  "Elevation": [  51.0  ]  }  }  Category：string类型，值为“Rainshed”  Elevation: 数组类型 , 记录标高 |
| 20 | 小屋面 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "SmallRoof",  "Elevation": [  52.3  ]  }  }  Category：string类型，值为“SmallRoof”  Elevation: 数组类型 , 记录标高 |
| 21 | 空间 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Space",  "Name":  "AreaId":  "Privacy":  }  }  Category：string类型，值为“Space”  Name : string 类型，  GroupId：string类型，所属卫生间分组的ID（根据场景定）  Privacy: string类型，值为”Private | Public” |
| 22 | 卫生间分组 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Id": be1cf08-cc40-4333-9ccc-a86439f984a9",  "Category": "Region",  "AlignmentVector": [  1.0,  0.0  ],  "NeighborIds": []  }  }  Id: string 类型，用于给卫生间分组编号  Category：string类型，值为“Region”  AlignmentVector： Vector2d类型，  NeighborIds:数组类型，用于记录相邻的卫生间Id |
| 23 | 墙 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Wall",  "Isolated": ,  "Elevation": , (根据场景而定)  }  }  Category：string类型，值为“Wall”  Isolated：bool类型，是否是孤立的  Elevation: double类型，标高  (注：对于业务端不区分建筑墙和剪力墙的，就用墙表示) |
| 24 | 给水点位 | {  "type": "Feature",  "geometry": {  "type": "Point",  "coordinates": [  107492323.0143109,  -11267580.614011716  ]  },  "properties": {  "Id": 4adedd-9ba7-4fea-9bb0-27e4a93a74ae",  "Category": "WaterSupplyPoint",  "AreaId": 7179e5c-cfc9-455a-af0d-6a54a73dda42",  "GroupId": ""  }  }  Id : string 类型，（用途：给水起点的编号）  Category：string类型，值为“WaterSupplyPoint”  AreaId：string类型，所属Space的ID  GroupId : string类型，所属卫生间分组的ID |
| 25 | 给水起点 | {  "type": "Feature",  "geometry": {  "type": "Point",  "coordinates": [  107492323.0143109,  -11267580.614011716  ]  },  "properties": {  "Category": "WaterStartPoint",  "AreaId": 7179e5c-cfc9-455a-af0d-6a54a73dda42",  }  }  Category：string类型，值为“WaterStartPoint”  AreaId：string类型，所属Space的ID |
| 26 | 梁 | {  "type": "Feature",  "geometry": {  "type": "LineString",  "coordinates": [  ]  },  "properties": {  "Category": "Beam",  "GroupId": "bbe42bb7-622f-4d99-9893-c0221d736607"  “ParentId”: “”  “BottomDistanceToFloor”: 0.0  }  }  Category：string类型，值为“Beam”  GroupId：string类型，所属楼层框线的ID(根据功能需要是否分配)  ParentId : string类型，表示嵌套关系，包括它的父亲Id  BottomDistanceToFloor: double类型，梁底距离天花板顶部的高度 |
| 27 | 楼层框线 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "StoreyBorder",  "FloorType": "非标层",  "FloorNumber": "26",  "Id": "62c6a46c-638d-490c-b8ce-f25a4d57f13a"  }  }  ID：string类型，分配的ID  Category：string类型，值为“StoreyBorder”  FloorType：string类型， 记录楼层类型  FloorNumber：string类型， 记录楼层编号  BasePoint: string类型，记录楼层的基点，用于楼层之间物体的复制、移动  对于某些不要楼层框线区域的，geometry表示空的集合 |
| 28 | 建筑轮廓线 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "ArchitectureOutline",  "Name": "真实建筑轮廓",  "GroupId": "327ae058-fad8-4337-bdd5-efb773f4d856"  }  }  Category：string类型，值为“ArchitectureOutline”  Name：string类型，  GroupId：string类型，所属楼层框线的ID |
| 29 | 接闪带 | {  "type": "Feature",  "geometry": {  "type": "LineString",  "coordinates": [  ]  },  "properties": {  "Category": "LightningReceivingBelt",  "Name": "专用",  "GroupId": "327ae058-fad8-4337-bdd5-efb773f4d856"  }  }  Category：string类型，值为“LightningReceivingBelt”  Name：string类型，  GroupId：string类型，所属楼层框线的ID |
| 30 | 栏杆 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Railing",  "Name": "专用",  "GroupId": "327ae058-fad8-4337-bdd5-efb773f4d856"  “ParentId”: “”  }  }  Category：string类型，值为“Railing”  Name：string类型，  GroupId：string类型，所属楼层框线的ID  ParentId : string类型，表示嵌套关系，包括它的父亲Id |
| 31 | 防火卷帘 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "FireproofShutter",  “ParentId”: “”  }  }  Category：string类型，值为“FireproofShutter”  ParentId : string类型，表示嵌套关系，包括它的父亲Id |
| 32 | 洞 | {  "type": "Feature",  "geometry": {  "type": "Polygon",  "coordinates": [  ]  },  "properties": {  "Category": "Hole",  “ParentId”: “”  }  }  Category：string类型，值为“Hole”  ParentId : string类型，表示嵌套关系，包括它的父亲Id |

(注：GroupId: 表示同一区域内的所有物体都分为一组，如同一楼层框线的所有物体; ParentId: 表示元素最近一层的容器;根据业务的不同来使用)