Table 1. Data processing

								Table 1.	Data pro	ocessin	g												
				Objectives Dimensions																			
				Problem-oriented (Macro-level)  User-based (Micro-level)						el)	Spatial Managerial+Spatial?								Relevant desi				
			Overcrowding	(Potentially) Reduction overcrowding?	Emptiness	? (Potentially) Reduce emptiness?	Add city value?	Reduce use conflicts?	Safety	Speed	Ease (	Comfort	Experience	Spatial Scale?	Layout - Element	Path?	Flow?	Programming?	Access?	cess Spatial relevant	Feasible to add events?		principles
	1	Beijing West	J	√-	J	<b>J</b> -								_	J	J	J	0	J	J	√-	J	
	2	Beijing South	Ĵ			•								_		Ĭ	•		•	•			
	3	Shanghai	0	<b>√</b> +	0	<b>√</b> +								_	V						<b>√</b> +	V	
	4	Rotterdam	0	√+	0	<b>√</b> +									V		0				<b>√</b> +	J	
Cases	5	Utrecht	0	√+ '	0	<b>√</b> +															√ <sup>+</sup>	<b>√</b>	
	6	Bijlmer		√+	<b>√</b>	<b>√</b> +								_	<b>√</b>						√ <sup>+</sup>	<b>√</b>	
	1	Zandvoort												_	0						√+	0	
		Beijing West,Beijing South,Shanghai,Rotterdam,Ut jlmer,Zandvoort	recht,Bi —	_	_	_	_	_	_	_	_	_	_	_	_	1	_	_	_	_	_	_	
	Oth	Guangzhou station																			<b>√</b>	0	
	Oth case	e(s) Shanghai South		1.		,				,		,			,				<b>↓ √</b>	<b>↓ √</b>	1.	,	
		Allianz arena	0	<b>√</b> <sup>+</sup>	<b>√</b>	√-				√-	_		_	_	<b>√</b>	0	0	0	0	0	√+	√	
	1	Beijing West vs Beijing So	uth —	_	_		_	_			_	_			_	<b>√</b>	_		_		_	_	
	2	, ,		1	<b>√</b>	1			1	<b>√</b>	1	<b>√</b>	1	_	1		1		1				
	3	Beijing West vs Rotterda Beijing West vs Utrecht		<b>1</b>	<b>√</b>	V			1	1	1	<b>√</b>	<b>V</b>				<b>V</b>		<b>√</b>				
	5	Beijing West vs Bijlmer																					
	6	Beijing West vs Zandvoo												_									
	7	Beijing South vs Shangh												_									
	8	Beijing South vs Rotterda												_									
	9	Beijing South vs Utrech												_									
Case	10	, ,												_									
<b>mpariso</b> ns (Any		, 0												_									
lifferences			o •	0	0	√			<b>√</b>	J	<b>√</b>	<b>√</b>	<b>√</b>	_		0	0	0	0		0	0	
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?)	18		1											_									
	19													_									
	20													I –									
	21	•												_									
		Utrecht new vs Utrecht	<del>_</del>	$\checkmark$	0	0									1								
		Rotterdam new vs Rotterda		J	0	0		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	$\checkmark$	$\checkmark$		$\checkmark$								
		(Beijing West,Beijing South,Sh	anghai) —	_	_	_		_	_	_	_	_	_	_	J	J	J	0	1	J	0	0	
		(Rotterdam, Utrecht, Bijlmer, Zar	dvoort)												V	<b>V</b>	•		V	<b>'</b>			
		Rotterdam vs Bijlmer vs Zand		_	_	_	_	_	_	_	_	_	_	$\checkmark$	_	_	_	_	_		_	_	
	1	(Van Acker & Triggianese, 2		0	0	0			0	0	0	0	V	√	0	0	0	0	0		0	0	
	2	2 (Guangping & guanyu, 20		0	0	0			0	0	0	0	0	0	V	0	0	0	0		0	0	
	3	(Ardeshiri et al., 2016)	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0	
	4	(Geraedts, 2008) (Hoppenbrouwer & Louw, 2	005)	0	0	0			0	0	0	0	0	0	<b>V</b>	0	0	· · · · · · · · · · · · · · · · · · ·	0		0	0	
	5	(Rabianski & Clements, 20		0	0	0			0	0	0	0	0	0	0	0	0	<b>√</b>	0		0	0	
	7	(Habiariski & Cierrierits, 20 (Kelpe, 2007)	07)	0	0	.1			0	0	0	0	0	0	.1	0	0	0	0		0	0	
	8			0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0	
terature		(Smith, 2023)	0	0	0	J			0	0	0	0	0	0	J	0	0	0	0		0	0	
	10	0 (Wu et al., 2021)	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0	
	11	1 (Hoogendoorn & Daame	1) √	J	0	0			0	0	0	0	0	0	V	0	0	0	0		0	0	
	12		0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0	
	13		0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0	
	14		0	0	0				0	0	0	0	0	0	0	0	0	0	J		J	0	
	15		0	0	0	V			0	0	0	0	0	0	V	0	0	0	0		0	0	
	16		0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0	
		7 (Zhao & Siu, 2014) Relevant design principles	0	0	0	0	17		0	0	0	0	0	0	0	0	0	0	0		0	0	
	- 1	ricievanti designi principles					1/																

Legend:	Primary examinations	Not examined	_	Not relevant	0	Examined, but no relevant findings	<b>√</b>	Has relevant findings	<b>√</b> +	Has relevant and positive findings	√-	Has relevant and negative findings
Notes: Click th	ne comment of each cell to see	e the detailed description.										

Table 2. The evaluation of design principles

		Objectives										
Indov	Name	Prol	olem-oriented	d (Macro-leve		User (Passenger)-based (Micro-level)						
index	Name	Reduce Overcrowding?	Reduce Emptiness?	Add city value?	Reduce use conflicts?	Safety	Speed	Ease (Wayfinding)	Comfort	Experience		
1	Align open spaces with main paths	0	√	0	0	0	0	0	0	√		
2	Space for humans	0	V	0	0	0	0	0	0	J		
3	Add installations and facilities	Depend on the context ↓	J	0	0	0	0	0	J	J		
4	Reconfigurable elements	J	<b>√</b>	0	0	0	0	0	0	0		
5	Stairs as stages or seats	0	√	0	0	0	0	0	0	J		
6	Shortcuts or optimizing paths	J	<b>√</b>	0	<b>√</b>	0	1	J	0	0		
7	Reduce level change by landscape design (District-level)	√	0	0	0	J	0	0	0	0		
8	Changeable or moveable building	J	<b>√</b>	_	_	_	_	_	_	_		
9	Reduce bottlenecks to ease flow (District-level)	0	1	J	0	0	J	0	J	0		
10	Connect and share with neighborhoods	J	V	V	0	1	0	0	1	0		
11	Redundant spaces	J	<b>1</b>	0	0	<b>\</b>	1	0	0	1		
12	Redundant spaces + compact network + regulate path	V	1	0	J	<b>√</b>	J	0	0	0		
13	City passage (Element)	0	J	J	J	_	_	_	_	_		
14	Scattered mobility nodes to increase capacity	√	0	0	0	<b>√</b>	0	1	0	0		
15	Set apart bottlenecks	J	0	_	0	<b>√</b>	0	0	0	0		
16	Set apart non-transport function	J	0	0	J	J	0	V	0	0		
17	Scattered mobility nodes to vibrate city environment	V	0	√	0	0	1	<b>↓</b>	1	J		
18	Programming considering flexible uses in temporal dimension	V	1	J	0	0	0	0	0	0		
19	Regulate path by temporary or reconfigurate elements	V	_	_	_	V	0	0	0	J		
20	Suitable general layout of the station and city	Depend on the context	Depend on the context	Depend on the context	Depend on the context							
21	Reduce bottlenecks to ease flow (Building-level)											
22	Reduce level change by landscape design (Building-level)											
23	Positioning City passage (Layout)											