

Last edited: 06.04.2022 (format), 07.09.2020 (content)

Note: Errors may appear due to translated content. Entries from projects like ATMaps, Campus Navigator, SmartCampus were translated from German to English. Also, sometimes assumptions had to be made as to what feature  
 Note: The properties "existence" and "location" should be almost everywhere, but are often only implied, because in our map context, this information is obvious.  
 References: see the end of this list for the 26 sources from which (most of) the information in this document was obtained.

Categories	Features	Properties	Sub-Properties	Explanations
Building characteristics	Doorways	door		
Building characteristics	Doorways	name	description (e.g. East Adenauer Ring)	
Building characteristics	Doorways	location		
Building characteristics	Doorways	Where does the door lead to (venues connected)	building	entrance door to: the building; the teaching room ; Room access doors; Passage doors
Building characteristics	Doorways	Where does the door lead to (venues connected)	interior / room access door: teaching room, toilet	number of entrances
Building characteristics	Doorways	Where does the door lead to (venues connected)	passage door	
Building characteristics	Doorways	accessibility	wheelchair accessible	
Building characteristics	Doorways	accessibility	highly usable and safe to use, cause of risk	
Building characteristics	Doorways	accessibility	through door	
Building characteristics	Doorways	accessibility	through elevator	
Building characteristics	Doorways	accessibility	barrier-free lateral approachability (min. 50 cm)	
Building characteristics	Doorways	location of all accessible entrances		
Building characteristics	Doorways	alternative accessible entrance		
Building characteristics	Doorways	can be used independently		
Building characteristics	Doorways	access	restricted	e.g. staff only, private / user group
Building characteristics	Doorways	access	usable / maintenance (not blocked by movables or grown plants, etc)	
Building characteristics	Doorways	access	key holder	
Building characteristics	Doorways	access	opening hours	
Building characteristics	Doorways	access via staircase		
Building characteristics	Doorways	access via ramp		
Building characteristics	Doorways	handrail		
Building characteristics	Doorways	distance	Distance from barrier-free access to the elevator in m	Entrance -> step(s); Entrance -> stairs; Entrance -> access ramp; Interior -> Step(s) in the hallway; Interior -> Ramp in corridor; Interior -> stairs; Teaching room -> stairs in the pews/stalls
Building characteristics	Doorways	type of entrance/exit door	entrance	
Building characteristics	Doorways	type of entrance/exit door	main entrance	
Building characteristics	Doorways	type of entrance/exit door	side entrance	
Building characteristics	Doorways	type of entrance/exit door	entrance/exit	
Building characteristics	Doorways	type of entrance/exit door	exit	
Building characteristics	Doorways	type of entrance/exit door	emergency exit	
Building characteristics	Doorways	smaller landing/ledge/step	level difference < 7 cm	
Building characteristics	Doorways	Door signs	parallel to the wall / flag / not available	

Building characteristics	Doorways	Door signs	sign (accessible entrance or nearest accessible entrance)	sign at inaccessible entrances, indicating location of the nearest accessible entrance
Building characteristics	Doorways	Door signs	height of the door plates upper/lower edge in cm	
Building characteristics	Doorways	Door signs	width of the door plates in cm	
Building characteristics	Doorways	Door signs	marking of important doors	
Building characteristics	Doorways	overview panel	language [of the overview panel??]	German / English / Braille / raised fonts
Building characteristics	Doorways	level	ground level entrance	
Building characteristics	Doorways	level	step height (only one)	
Building characteristics	Doorways	level	step counts	
Building characteristics	Doorways	type of doors		
Building characteristics	Doorways	type	double door system	
Building characteristics	Doorways	type	pivoting / swinging door	single, double
Building characteristics	Doorways	type	revolving door	
Building characteristics	Doorways	type	revolving door	single, double, counter-opening
Building characteristics	Doorways	type	sliding door	
Building characteristics	Doorways	type	sliding door	single, double
Building characteristics	Doorways	dangerous		
Building characteristics	Doorways	opening/closing mechanism	automatic doors	
Building characteristics	Doorways	opening/closing mechanism	automatic (time)	Automatic closer (time to close door automatically, min 5 sec)
Building characteristics	Doorways	opening/closing mechanism	closer timer	
Building characteristics	Doorways	opening/closing mechanism	barrier-free	
Building characteristics	Doorways	opening/closing mechanism	non-barrier-free	closing force or force needed to initiate a movement: 25 N (DIN 18040) to ensure barrier-free access
Building characteristics	Doorways	weight	force needed for opening door (max 5 pounds)	
Building characteristics	Doorways	weight	ease of use, force to open	
Building characteristics	Doorways	dimension	opening width	Door opening width of min 32 inches, * Enough space on both sides of the door for maneuvering?, space (dimensions) on both sides of the door, door or gate clearance of min 0,90m
Building characteristics	Doorways	dimension	height	
Building characteristics	Doorways	dimension	space on both sides	
Building characteristics	Doorways	material of the entrance door	glass door	
Building characteristics	Doorways	material of the entrance door	All-glass door	marking strips: present / not present
Building characteristics	Doorways	material of the entrance door	All-glass door	high contrast to background: yes / no
Building characteristics	Doorways	material of the entrance door	visual contrast to wall	outside: yes/no
Building characteristics	Doorways	material of the entrance door	visual contrast to wall	inside: yes/no
Building characteristics	Doorways	opening direction	outwards / inwards / sideways (sliding door)	into the hallway / into the room
Building characteristics	Doorways	handle	type	push button: door side, height
Building characteristics	Doorways	handle	type	door opener
Building characteristics	Doorways	handle	type	vertical bar
Building characteristics	Doorways	handle	type	horizontal bar

Building characteristics	Doorways	handle	type	handle
Building characteristics	Doorways	handle	type	knob
Building characteristics	Doorways	handle	easy to find / difficult to find / not available	
Building characteristics	Doorways	handle	height	
Building characteristics	Doorways	handle	operable with one hand	
Building characteristics	Doorways	handle	ease of use, pressure, force	does not require tight grasping, pinching or twisting of the wrist
Building characteristics	Doorways	door lock	existence	
Building characteristics	Doorways	door lock	type	e.g. toilet door
Building characteristics	Doorways	door lock	height	
Building characteristics	Doorways	door lock	operable with one hand; ease of use (do not require tight grasping, pinching or twisting the wrist)	
Building characteristics	Doorways	slope on both sides of the door	Ground or floor surface should be level on both sides of the door (no steeper than 1:48)	
Building characteristics	Doorways	maneuvering clearance		
Building characteristics	Doorways	maneuvering clearance (clear floor space) on both sides of the door (pull/push): size (level no steeper than 1:48)	maneuvering clearance: level surface (no steeper than 1:48), Barrier-free lateral approach in cm	maneuvering clearance around privacy walls (toilet)
Building characteristics	Doorways	maneuvering clearance (clear floor space) on both sides of the door (pull/push): size (level no steeper than 1:48)	width	
Building characteristics	Doorways	maneuvering clearance (clear floor space) on both sides of the door (pull/push): size (level no steeper than 1:48)	depth	
Building characteristics	Doorways	maneuvering clearance (clear floor space) on both sides of the door (pull/push): size (level no steeper than 1:48)	in front of the door	
Building characteristics	Doorways	maneuvering clearance (clear floor space) on both sides of the door (pull/push): size (level no steeper than 1:48)	inside the room at the door	
Building characteristics	Doorways	maneuvering clearance (clear floor space) on both sides of the door (pull/push): size (level no steeper than 1:48)	space for mobility aids/prams in the classroom	
Building characteristics	Doorways	door threshold	existence	
Building characteristics	Doorways	door threshold	height	
Building characteristics	Doorways	door threshold	slope	
Building characteristics	Doorways	attention fields in front of doors	yes, function(s): ... / no	
Building characteristics	Doorways	space between two consecutive doors	existence	Space between 2 consecutive doors (min 48 inch plus width of the doors when swinging into the space)
Building characteristics	Doorways	space between two consecutive doors	dimensions	
Building characteristics	Doorways	carpets/mats	thickness	
Building characteristics	Doorways	carpets/mats	edges securely attached	
Building characteristics	Doorways	steps counts	access via step(s)	yes,number of... / no (if no of steps ??<= 2, then staircase)

Building characteristics	Doorways	step height (only one)	
Building characteristics	Doorways	cause of risk	
Building characteristics	Doorways	doorbell / accessible doorbell	position
Building characteristics	Doorways	intercom	
Building characteristics	Doorways	intercom	functioning
Building characteristics	Doorways	lighting of door	
Building characteristics	Floor (pathway)	name	
Building characteristics	Floor (pathway)	type	Room ID
Building characteristics	Floor (pathway)	access	public
Building characteristics	Floor (pathway)	access	restricted
Building characteristics	Floor (pathway)	access	open hours
Building characteristics	Floor (pathway)	are all public spaces on at least one accessible route?	
Building characteristics	Floor (pathway)	direction of travel	
Building characteristics	Floor (pathway)	angled corridors	
Building characteristics	Floor (pathway)	geometry	angled (labyrinthine) - non-right angles
Building characteristics	Floor (pathway)	geometry	number of branches
Building characteristics	Floor (pathway)	floor condition [Questionnaire-MI: condition, carpet, change]	
Building characteristics	Floor (pathway)	condition	general
Building characteristics	Floor (pathway)	condition	stable
Building characteristics	Floor (pathway)	condition	firm
Building characteristics	Floor (pathway)	condition	slip-resistant
Building characteristics	Floor (pathway)	condition	Rollability
			Slip resistance in wet conditions
			good / bad
Building characteristics	Floor (pathway)	material	coverings type
Building characteristics	Floor (pathway)	material	carpet
			carpet full surface / concrete / linolium-vinyl / wood laminate Tiles / Carpet Runners
			Carpets/Mats thickness (max 1/2 inch), * Carpets/Mats: edges securely attached to minimize tripping
Building characteristics	Floor (pathway)	material	carpets/mats (height, securely attached to floor)
Building characteristics	Floor (pathway)	material	change of the surface or texture on the ground
Building characteristics	Floor (pathway)	material	change of the surface or texture
Building characteristics	Floor (pathway)		tactile paving
Building characteristics	Floor (pathway)	material	tactile paving availability
			width (min 36inch; The accessible route can narrow to 32 inches min. for a max. of 24 inches. These narrower portions of the route must be at least 48 inches from each other)
Building characteristics	Floor (pathway)	dimension	
Building characteristics	Floor (pathway)	dimension	If (width >= 800 cm), then: tactile pavement / ground indicating system [Leitlinie]: available / not available
Building characteristics	Floor (pathway)	dimension	width 799-180cm
Building characteristics	Floor (pathway)	dimension	If (width 179-150 cm): after max 15m, area of 180 x 180 cm available / not available
Building characteristics	Floor (pathway)	dimension	If (width 149 - 120 cm): after max. 6 m, area of 150 x 150 cm available / not available

Building characteristics	Floor (pathway)	dimension	width: Min. corridor width in cm
Building characteristics	Floor (pathway)	dimension	length of min. corridor width in cm
Building characteristics	Floor (pathway)	dimension	maneuvering clearance
Building characteristics	Floor (pathway)	passing space	
Building characteristics	Floor (pathway)	escape routes	
Building characteristics	Floor (pathway)	visual contrast between floor and wall	
Building characteristics	Floor (pathway)	illumination	natural / artificial / motion detector / light switch yes, where... (sketch/photo to mark in the floor plan) /
Building characteristics	Floor (pathway)	solid objects in the hallway	no
Building characteristics	Floor (pathway)	Corridor with step(s)	yes, see p.: ... / no, or own stair ID
Building characteristics	Floor (pathway)	Corridor with ramp	yes, see p.: ... / no
Building characteristics	Floor (pathway)	slope	gradient, wheelchair access
Building characteristics	Floor (pathway)	thresholds	
Building characteristics	Floor (pathway)	furnished/equipped lounge and communication area	Yes... / no in front of doors / in front of stairs / in front of elevators / not available
Building characteristics	Floor (pathway)	fields of attention	
Building characteristics	Floor (pathway)	is the path through the corridor barrier-free passable?	
Building characteristics	Floor (pathway)	is the path through the corridor barrier-free passable?	with a mobility restriction
Building characteristics	Floor (pathway)	is the path through the corridor barrier-free passable?	with a visual impairment
Building characteristics	Wall	recess in the wall	
Building characteristics	Wall		
Building characteristics	Wall	materiality	smooth / rough / other: ...
Building characteristics	Wall	materiality	glass partition
Building characteristics	Wall	materiality	glass [danger]
Building characteristics	Wall	materiality	solid [is implicit in maps]
Building characteristics	Wall	materiality	railings
Building characteristics	Obstacles	short obstacle	
Building characteristics	Obstacles	hanging obstacle or overhead obstacle	
Building characteristics	Obstacles	obstacle on the ground	
Building characteristics	Obstacles	high obstacle	
			objects on circulation paths through public areas, e.g. fire extinguishers, drinking fountains, signs, etc., should protrude no more than 4 inches into the path. If an object protrudes more than 4 inches, the bottom leading edge should be at 27 inches or lower above the floor
Building characteristics	Obstacles	existence	Hanging obstacle, suspended or overhead obstacle, above user waist, on the ground
Building characteristics	Obstacles	location	
Building characteristics	Obstacles	constructions	
Building characteristics	Obstacles	movable	
Building characteristics	Obstacles	signs	
Building characteristics	Obstacles	size	high, low, short or at ground level, human-sized
Building characteristics	Obstacles	type	indoor pillar
Building characteristics	Obstacles	type	automatic bars

Building characteristics	Obstacles	type	indoor pillar, automatic bar, furniture, trash can, plant, flower bed or tub
Building characteristics	Obstacles	colors	make them known through contrasting colors of the same color-tone
Building characteristics	Dangerous area / point	dangerous point	
Building characteristics	Dangerous area / point	dangerous area	
Building characteristics	Dangerous area / point	hot water or anything that could be hot to burn	
Building characteristics	Dangerous area / point	type: hot to burn oneself	
Building characteristics	Rooms / venues / offices	room name	
Building characteristics	Rooms / venues / offices	room number	
Building characteristics	Rooms / venues / offices	level	
Building characteristics	Rooms / venues / offices	description	
Building characteristics	Rooms / venues / offices	purpose	
Building characteristics	Rooms / venues / offices	address	
Building characteristics	Rooms / venues / offices	alternative accessible entrance	
Building characteristics	Rooms / venues / offices	shortest way to the room (description)	via entrance number (to the lecturer zone, auditorium)
Building characteristics	Rooms / venues / offices	shortest way to the room (description)	sequence of room ID's
Building characteristics	Rooms / venues / offices	shortest way to the room (description)	seamless signposting to the room
Building characteristics	Rooms / venues / offices	accessible way (description)	via entrance number (is the shortest way)
Building characteristics	Rooms / venues / offices	accessible way (description)	with limited mobility / with impaired vision
Building characteristics	Rooms / venues / offices	accessible way (description)	sequence of room ID's
Building characteristics	Rooms / venues / offices	accessible way (description)	seamless signposting to the room
Building characteristics	Rooms / venues / offices	maneuvering clearance	
Building characteristics	Rooms / venues / offices	type	clinic or infirmary or doctor
Building characteristics	Rooms / venues / offices	type	shop in general
Building characteristics	Rooms / venues / offices	type	interesting places (e.g. shops, cafés)
Building characteristics	Rooms / venues / offices	type	practice room
Building characteristics	Rooms / venues / offices	type	teaching room
Building characteristics	Rooms / venues / offices	type	corridor
Building characteristics	Rooms / venues / offices	type	foyer / corridors
Building characteristics	Rooms / venues / offices	type	conference room
Building characteristics	Rooms / venues / offices	type	meeting / conference rooms
Building characteristics	Rooms / venues / offices	type	retail areas (shops)
Building characteristics	Rooms / venues / offices	type	food: dining areas
Building characteristics	Rooms / venues / offices	type	food: restaurant
Building characteristics	Rooms / venues / offices	type	food: canteen
Building characteristics	Rooms / venues / offices	type	cafeteria or coffee shop
Building characteristics	Rooms / venues / offices	office	
Building characteristics	Rooms / venues / offices	room	
Building characteristics	Rooms / venues / offices	type	food: cafeteria
Building characteristics	Rooms / venues / offices	type	food: coffee shop
Building characteristics	Rooms / venues / offices	type	food: kitchen
Building characteristics	Rooms / venues / offices	type	vending machine
Building characteristics	Rooms / venues / offices	type	food: vending machine

Building characteristics	Rooms / venues / offices	type	therapeutic rooms
Building characteristics	Rooms / venues / offices	type	library, the room or the service
Building characteristics	Rooms / venues / offices	type	office
Building characteristics	Rooms / venues / offices	type	lecture room
Building characteristics	Rooms / venues / offices	type	laboratory
Building characteristics	Rooms / venues / offices	type	laboratory
Building characteristics	Rooms / venues / offices	type	seminar room
Building characteristics	Rooms / venues / offices	type	auditorium: levels
Building characteristics	Rooms / venues / offices	type	auditorium: pews (fixed / variable)
Building characteristics	Rooms / venues / offices	type	baggage reclaim room
Building characteristics	Rooms / venues / offices	type	office of the commissioner for the disabled people
Building characteristics	Rooms / venues / offices	type	gym
Building characteristics	Rooms / venues / offices	type	smoking area
Building characteristics	Rooms / venues / offices	type	loft
Building characteristics	Rooms / venues / offices	type	shower
Building characteristics	Rooms / venues / offices	type	toilet
Building characteristics	Rooms / venues / offices	Lecturer zone	in level : same level with 1st row
Building characteristics	Rooms / venues / offices	Lecturer zone	in level : with platform/stage
Building characteristics	Rooms / venues / offices	Lecturer zone	in level : with stairs
Building characteristics	Rooms / venues / offices	Lecturer zone	in level : with ramp
Building characteristics	Rooms / venues / offices	Lecturer zone	access lecturer zone barrier-free: yes / yes, via separate input / no
Building characteristics	Rooms / venues / offices	Lecturer zone	lecturer's desk: yes / no
Building characteristics	Rooms / venues / offices	Lecturer zone	lecturer's desk: fixed / movable
Building characteristics	Rooms / venues / offices	Lecturer zone	lecturer's desk: accessible
Building characteristics	Rooms / venues / offices	Lecturer zone	lecturer's desk: height adjustable
Building characteristics	Rooms / venues / offices	Lecturer zone	seating: yes / no
Building characteristics	Rooms / venues / offices	Lecturer zone	storage space: yes / no
Building characteristics	Rooms / venues / offices	Lecturer zone	power socket(s): yes, number: ... / no
Building characteristics	Rooms / venues / offices	Lecturer zone	table can be driven under the table: yes / no
Building characteristics	Rooms / venues / offices	Lecturer zone	table can be driven under the table: Movement area in front of table (width/depth) in cm
Building characteristics	Rooms / venues / offices	sign	door sign (e.g. classroom)
Building characteristics	Rooms / venues / offices	sign	different / uniform
Building characteristics	Rooms / venues / offices	sign	German / English / Braille / raised text
Building characteristics	Rooms / venues / offices	sign	QR Code
Building characteristics	Rooms / venues / offices	sign	attachment: parallel to the wall / flag
Building characteristics	Rooms / venues / offices	sign	height door plate upper/lower edge in cm
Building characteristics	Rooms / venues / offices	sign	width door plate in cm
Building characteristics	Rooms / venues / offices	sign	occupancy plan at the classroom
Building characteristics	Rooms / venues / offices	sockets	socket for electricity or phone
Building characteristics	Rooms / venues / offices	sockets	for electricity
Building characteristics	Rooms / venues / offices	sockets	for phone
Building characteristics	Rooms / venues / offices	sockets	number
Building characteristics	Rooms / venues / offices	sockets	location

Building characteristics	Rooms / venues / offices	sockets	extension cable needed
Building characteristics	Rooms / venues / offices	Machine or device	
Building characteristics	Rooms / venues / offices	Machine or device	general information
Building characteristics	Rooms / venues / offices	Machine or device	air condition type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	heating burner type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	heat source, radiator, heating panels, fireplace
Building characteristics	Rooms / venues / offices	Machine or device	heat source radiator type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	heating panels type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	fireplace type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	equipment or machinery, computer, printer, photocopier
Building characteristics	Rooms / venues / offices	Machine or device	computer
Building characteristics	Rooms / venues / offices	Machine or device	printer
Building characteristics	Rooms / venues / offices	Machine or device	photocopier
Building characteristics	Rooms / venues / offices	Machine or device	household appliance, refrigerator, television, washing machine
Building characteristics	Rooms / venues / offices	Machine or device	refrigerator type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	television type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	washing machine type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	oven type: household appliance
Building characteristics	Rooms / venues / offices	Machine or device	cash machine
Building characteristics	Rooms / venues / offices	Machine or device	bank cash machine
Building characteristics	Rooms / venues / offices	Installation	pipes or tubes
Building characteristics	Rooms / venues / offices	Installation	wires or cables
Building characteristics	Rooms / venues / offices	audio exit	
Building characteristics	Rooms / venues / offices	number of floors	
Building characteristics	Rooms / venues / offices	number of floors	e.g. lecture room
Building characteristics	Rooms / venues / offices	Lighting	reflecting
Building characteristics	Rooms / venues / offices	Balcony	
Building characteristics	Windows		
Building characteristics	Windows	location	
Building characteristics	Windows	type	one-sided / double-sided / fanlight / none
Building characteristics	Windows	View to the outside	to the gardens / to the building / to the interior
Building characteristics	Windows	Openability of the windows	automatic / light / heavy / not openable completely openable / Only tiltable
Building characteristics	Windows	Blackout (except light curtains)	operable / Only tiltable
Building characteristics	Windows	[Teaching room only:] Reachability of the opener	window shutters or rolling blinds or blinds light / heavy
Building characteristics	Technology	Service number technician	
Building characteristics	Technology	operability:	understandable / not understandable
Building characteristics	Technology	Control room functions:	centralized / decentralized (e.g. light switch)
Building characteristics	Technology	Projector	quantity
Building characteristics	Technology	Projector	display glare-free
Building characteristics	Technology	Projector	HDMI / VGA / Cinch (yellow-white-red) / other:
Building characteristics	Technology	Board bigger than 4 sqm	
Building characteristics	Technology	Washbasin	



Building characteristics	Technology	Whiteboard (whiteboard smaller than 4 sqm)	existence	
Building characteristics	Technology	Whiteboard (whiteboard smaller than 4 sqm)	interactive	
Building characteristics	Technology	Visualizer		
Building characteristics	Technology	Over-Head Projector		
Building characteristics	Technology	Microphone system		
Building characteristics	Technology	Data network (LAN cable)		
Building characteristics	Technology	W-Lan		
Building characteristics	Technology	Sketch/ground plan of the teaching room geometry	(entrance, auditorium, lecturer's zone, wheelchair spaces)	
Building characteristics	Technology	Communication aid:	yes, inductive listening loop to row: ...	
Building characteristics	Technology	Communication aid:	yes, other (e.g. mobile hearing aids, radio hearing loop)	
Building characteristics	Technology	Audibility	natural: good / bad	
Building characteristics	Technology	Audibility	electrically amplified: good/bad	
Building characteristics	Technology	Audibility	interference sources: considerable / tolerable / not considerable	
Building characteristics	Technology	Audibility	disturbance through: ...	
Building characteristics	Technology	Controls	light switch	
Building characteristics	Technology	Controls	light switches	clear floor space
Building characteristics	Technology	Controls	security system	
Building characteristics	Technology	Controls	intercom systems	
Building characteristics	Technology	Controls	emergency/alarm boxes	
Building characteristics	Technology	Controls	height	
Building characteristics	Technology	Controls	ease of operation	one hand and without tight grasping, pinching, or twisting of the wrist
Building characteristics	Stores	type	supermarket	
Change Elevation	Elevator			
Change Elevation	Elevator	existence, location	room ID's	
Change Elevation	Elevator	number of elevators		
Change Elevation	Elevator	type	full size, LULA	
Change Elevation	Elevator	type	passenger elevator	
Change Elevation	Elevator	type	freight elevator	
Change Elevation	Elevator	design	loader	
Change Elevation	Elevator	design	rectifier	
Change Elevation	Elevator	access	public / restricted	usage authorization
Change Elevation	Elevator	access	keys	location
Change Elevation	Elevator	access	accessible floors	
Change Elevation	Elevator	function	yes / out of service	
Change Elevation	Elevator	opening hours		
Change Elevation	Elevator	accessibility	wheelchair accessible	
Change Elevation	Elevator	direction	vertical	
Change Elevation	Elevator	direction	horizontal	
Change Elevation	Elevator	call buttons	height	
Change Elevation	Elevator	door type	sliding	
Change Elevation	Elevator	door type	swinging	

Change Elevation	Elevator	door	automatic reopen	automatic reopening of sliding door when obstructed
Change Elevation	Elevator	door	time to remain open	
Change Elevation	Elevator	door	dimension (clear floor area)	
Change Elevation	Elevator	door	opening width	(0,62m)
Change Elevation	Elevator	door	height in cm	
Change Elevation	Elevator	door	side door open (if more than 1 door)	
Change Elevation	Elevator	sensor light barrier	height in cm	
Change Elevation	Elevator	dimensions outside	area of movement (outside): width / depth in cm:	
Change Elevation	Elevator	dimensions inside	length	0.8 x 0.82 m
Change Elevation	Elevator	dimensions inside	width	
Change Elevation	Elevator	exterior operating elements	tactile and visible	
Change Elevation	Elevator	exterior operating elements	height	barrier-free lateral approach in cm
Change Elevation	Elevator	exterior operating elements	visual floor detection in front of lift: yes/no	
Change Elevation	Elevator	exterior operating elements	acoustic signals: arrival signal / no	
Change Elevation	Elevator	exterior operating elements	lift call button (outside): axial height in cm	
Change Elevation	Elevator	exterior operating elements	lift call button (outside): call button at least 50 cm away	
Change Elevation	Elevator	exterior operating elements	from the next room corner: yes/no	
Change Elevation	Elevator	exterior operating elements	lift call button (outside): side	
Change Elevation	Elevator	in-car controls / equipment	location of control panel inside the elevator	
Change Elevation	Elevator	in-car controls / equipment	height	
Change Elevation	Elevator	in-car controls / equipment	centered on a side wall	
Change Elevation	Elevator	in-car controls / equipment	horizontal / vertical	
Change Elevation	Elevator	in-car controls / equipment	axial height of the top button in cm:	
Change Elevation	Elevator	in-car controls / equipment	axial height of the lowest knob in cm	
Change Elevation	Elevator	in-car controls / equipment	accessibility	
Change Elevation	Elevator	in-car controls / equipment	completely barrier-free and unrestricted use: yes /	
Change Elevation	Elevator	in-car controls / equipment	partially / no	
Change Elevation	Elevator	in-car controls / equipment	handle on at least 1 side: yes/no	
Change Elevation	Elevator	in-car controls / equipment	operation: Euro keys / push buttons - switches /	
Change Elevation	Elevator	in-car controls / equipment	personnel	
Change Elevation	Elevator	in-car controls / equipment	audible signals about floor: arrival signal / no	
Change Elevation	Elevator	in-car controls / equipment	audible signals about floor: floor announcement: clear /	
Change Elevation	Elevator	in-car controls / equipment	unclear	
Change Elevation	Elevator	in-car controls / equipment	visual floor detection: in the elevator	
Change Elevation	Elevator	in-car controls / equipment	car control buttons: raised (profile font)	
Change Elevation	Elevator	in-car controls / equipment	car control buttons: Braille	
Change Elevation	Elevator	in-car controls / equipment	folding seat	
Change Elevation	Elevator	in-car controls / equipment	other fixtures	
Change Elevation	Elevator	in-car controls / equipment	floor display in the elevator: yes / no / tactile detectable	
Change Elevation	Elevator	in-car controls / equipment	emergency call board in the elevator: yes / no / tactile	
Change Elevation	Elevator	in-car controls / equipment	detectable	
Change Elevation	Elevator	mirror (opposite the door) [ yes/no]		
Change Elevation	Elevator	floor number sign	existence	

Change Elevation	Elevator	floor number sign	location: both door jambs
Change Elevation	Elevator	floor number sign	height
Change Elevation	Elevator	floor number sign	tactile star for main entry
Change Elevation	Elevator	floor number sign	text contrast
Change Elevation	Elevator	floor number sign	raised text
Change Elevation	Elevator	floor number sign	Braille
Change Elevation	Elevator	floor number sign	elevator floor display
Change Elevation	Elevator	levels connected	
Change Elevation	Escalators	existence	
Change Elevation	Escalators	direction of travel (may change - peak hours) [pathway feature]	(may change - peak hours) [pathway feature]
Change Elevation	Escalators	tactile paving availability	
Change Elevation	Escalators	handrail location	
Change Elevation	Escalators	dimension	width
Change Elevation	Escalators	incline	
Change Elevation	Escalators	lanes	
Change Elevation	Escalators	side to stand during travel	
Change Elevation	Escalators	access	public / restricted
Change Elevation	Escalators	directions to adjacent escalator(s)	
Change Elevation	Platform lift	accessibility	can it be used w/a assistance from others?
Change Elevation	Platform lift	direction	vertical
Change Elevation	Platform lift	direction	horizontal
Change Elevation	Platform lift	clear floor space	existence
Change Elevation	Platform lift	clear floor space	dimensions
Change Elevation	Platform lift	lift controls	height
Change Elevation	Platform lift	door opening width	
Change Elevation	Platform lift	type of door	end
Change Elevation	Platform lift	type of door	side door
Change Elevation	Stairs / stairways		
Change Elevation	Stairs / stairways	existence	
Change Elevation	Stairs / stairways	location in building	
Change Elevation	Stairs / stairways	name	
Change Elevation	Stairs / stairways	type of stairs (e.g. U-shaped or spiral staircases)	
Change Elevation	Stairs / stairways	type / shape	linear, u-shaped, spiral, other: ...
Change Elevation	Stairs / stairways	type / shape	stairs with an open structure such as hanging or floating stairs; cantilever stairs dangerous
Change Elevation	Stairs / stairways	Room ID's	same stairwell/staircase with same characteristics in all Rooms with the given ID's, where the stairs lead to/from
Change Elevation	Stairs / stairways	Room ID's	same staiwell with different characteristics in the Rooms with the given ID's, where the stairs lead to/from
Change Elevation	Stairs / stairways	Field of attention	existence

			entrance -> entrance door step(s); entrance -> entrance door stairs; Teaching room -> pews/stalls stairs; Interior -> Step(s) in the corridor ; Interior -> Stairs
Change Elevation	Stairs / stairways	Where do the steps/stairs lead to	stairs lead to following levels / levels connected
Change Elevation	Stairs / stairways	direction of travel	up or down
Change Elevation	Stairs / stairways	assistive mechanism available	
Change Elevation	Stairs / stairways	stair lift	existence
Change Elevation	Stairs / stairways	stair lift	externally operated
			yes, all steps / no / integrated / retrofitted (temporary) / moved back
Change Elevation	Stairs / stairways	Step marking	marking depth of step in cm
Change Elevation	Stairs / stairways	Step marking	marking height riser in cm
Change Elevation	Stairs / stairways	visual contrast: yes / no	yes / no
Change Elevation	Stairs / stairways	visual floor information about staircase	
Change Elevation	Stairs / stairways	handrail for indoor stairs	
Change Elevation	Stairs / stairways	handrail	location: yes, left / yes, right / yes, center / no      yes, left / yes, right / yes, center / no
Change Elevation	Stairs / stairways	handrail	height      in cm
Change Elevation	Stairs / stairways	handrail	distance to adjacent components in cm
Change Elevation	Stairs / stairways	handrail	visual contrast to the adjacent component
Change Elevation	Stairs / stairways	handrail	profile: oval / round / square / other: ...
Change Elevation	Stairs / stairways	handrail	cross section (width/diameter) in cm
Change Elevation	Stairs / stairways	handrail	continuation of the handrail at the inlet and outlet
			rounded end with a handrail projecting freely into the room at the inlet and outlet
Change Elevation	Stairs / stairways	handrail	handrail brackets: bottom side with wall mounting / bottom side with floor anchoring / lateral orientation guide on the handrail: in Braille / in raised text / no
Change Elevation	Stairs / stairways	handrail	
Change Elevation	Stairs / stairways	protection against underrunning	
Change Elevation	Stairs / stairways	tactile paving availability	
Change Elevation	Stairs / stairways	dimension	min. walking width in cm
Change Elevation	Stairs / stairways	dimension	step height, depth in cm
Change Elevation	Stairs / stairways	dimension	varying heights of stairs
Change Elevation	Stairs / stairways	dimension	varying heights of stairs
Change Elevation	Stairs / stairways	dimension	undercutting in cm [unterschneidung]
			number of steps: no platform / steps... platform... steps... platform ... etc.
Change Elevation	Stairs / stairways	dimension	platform width/depth: no platform / steps... platform... steps... platform ... etc.
Change Elevation	Stairs / stairways	dimension	landing / flight of stairs (number of steps)
			stairs in seating (lecture rooms); perspective of teacher:
Change Elevation	Stairs / stairways	location	left / center / right
Change Elevation	Stairs / stairways	stairwell	open/close

			(ZP: intermediate platform) single-running straight / single-running, two quarter-twisted / single-running, half-winded / single-running, in the beginning quarter-twisted / double-running straight with ZP / double-running counter-running with ZP / double-running angled with ZP / triple-running counter-running with ZP / arched staircase / spiral staircase / spiral staircase / triple-running twice angled	no podium / steps... platform... steps... platform...
Change Elevation	Stairs / stairways	type		
Change Elevation	Stairs / stairways	staircase clearance height in cm		
		furnished/equipped recreational and communication areas		
Change Elevation	Stairs / stairways	incline		
Change Elevation	Stairs / stairways	ramp (for wheelchair)		
Change Elevation	Stairs / stairways	lighting of steps		
Change Elevation	Moving walkway	location		
Change in Ground Height		level change of the ground height		
Change in Ground Height	steps			
Change in Ground Height	Step/s, handling of steps			
		elevated floor of teacher's desk		
Change in Ground Height		Elevated floor of teacher's desk		
Change in Ground Height	Slope	uphill or downhill or slope on the ground		
Change in Ground Height	Slope	slope	running slope: maximum running slope allowed is 1:20	For the parts of an accessible route that aren't a ramp
Change in Ground Height	Slope	slope	cross slope	
Change in Ground Height	Ramp			
Change in Ground Height	Ramp	existence		
Change in Ground Height	Ramp	Where to	Entrance -> Door; Interior -> Ramp in corridor	
Change in Ground Height	Ramp	type	permanent	
Change in Ground Height	Ramp	type	temporary	
Change in Ground Height	Ramp	slope	Slope of ramp in % (max 1:12)	
Change in Ground Height	Ramp	slope	standard slope	yes/no
Change in Ground Height	Ramp	dimension	length	
Change in Ground Height	Ramp	dimension	width	
		Number of ramps length, platform depth (Ramp to entrance: from outside to access; ramp in corridor: from bottom to top)		
Change in Ground Height	Ramp		no platform / ramp ... platform... ramp ... platform ... etc.	
Change in Ground Height	Ramp	width (between handrails, if there are some)		
Change in Ground Height	Ramp	surface stable, firm and slip resistant (same as pathway)		
		level landing at the top and bottom of the ramp, dimensions (min 60 inches long and at least as wide as the ramp)		
Change in Ground Height	Ramp			

Change in Ground Height	Ramp	level landing where the ramp changes direction, dimension (min 60x60 inches <sup>2</sup> )		
Change in Ground Height	Ramp	Handrail	existence	
Change in Ground Height	Ramp	Handrail	which side/s	handrails (on both sides, if ramp has a rise higher than 6 inches)
Change in Ground Height	Ramp	Handrail	height	Handrail: top of gripping surface b/n 34 and 38 inches above ramp surface
Change in Ground Height	Ramp	Handrail	continuous	Handrail: gripping surface continuous
Change in Ground Height	Ramp	Handrail	obstructions	
Change in Ground Height	Ramp	Handrail	type: circular, non-circular, dimensions	Handrail: circular gripping surface must be b/n 1 1/4 and 2 inches in diameter, * Handrail: non-circular gripping surface must have a perimeter of 4 - 6 1/4 inches and a cross section less than 2 1/4 inches in diameter
Change in Ground Height	Ramp	Handrail	extends beyond the ends of the ramp	Handrail: must extend at least 12 inches horizontally beyond the ends of the ramp (unless this would be hazardous)
Change in Ground Height	Ramp	Handrail	handrail return to wall, guard or landing surface	The surface of the ramp must extend at least 12 inches beyond the inside face of the handrail OR a sphere of 4 inch diameter cannot pass under the handrail (bottom part)
Change in Ground Height	Ramp	wheel guards	existence	
Change in Ground Height	Ramp	wheel guards	height	
Change in Ground Height	Ramp	Turning possibility (150 x 150 cm)	in front of the ramp: yes/no	
Change in Ground Height	Ramp	Turning possibility (150 x 150 cm)	after the ramp: yes/no	
Change in Ground Height	Ramp	Turning possibility (150 x 150 cm)	on platform: yes/no	
Facility daily needs		water dispenser		
Facility daily needs		water tap		
Facility daily needs	Services	service		
Facility daily needs	Services	opening hours		
Facility daily needs	Services	type	information desk	
Facility daily needs	Services	type	reception desk	
Facility daily needs	Services	type	porter /gatekeeper	
Facility daily needs	Services	type	service point	
Facility daily needs	Services	type	security service office or desk	
Facility daily needs	Services	type	cashier's desk (Kasse zum Bezahlen)	
Facility daily needs	Services	type	personal assistance	
Facility daily needs	Services	type	queue management ticket machine	
Facility daily needs	Services	type	indoor app	
Facility daily needs	Services	type	[health] clinic or infirmary or doctor	
Facility daily needs	Services	availability		
Facility daily needs	Services	location		



Facility daily needs	Toilet / toilet compartment	access	opening hours	
Facility daily needs	Toilet / toilet compartment	accessibility	at least one toilet room accessible	
Facility daily needs	Toilet / toilet compartment	accessibility	accessibility level: wheelchair accessibility	
Facility daily needs	Toilet / toilet compartment	accessibility	accessibility level: ADA compliant	
Facility daily needs	Toilet / toilet compartment	accessibility	accessibility level: colostomy support	
Facility daily needs	Toilet / toilet compartment	accessibility	clear floor space for person in wheelchair to turn around	
Facility daily needs	Toilet / toilet compartment	accessibility	clear floor space beyond the swing of the door	
Facility daily needs	Toilet / toilet compartment	accessibility	width of clear path to each type of fixture (lavatory, hand dryer etc)	
Facility daily needs	Toilet / toilet compartment	accessibility	toilet height	
Facility daily needs	Toilet / toilet compartment	accessibility	height [of room, of toilet??]	
Facility daily needs	Toilet / toilet compartment	accessibility	mirror height	
Facility daily needs	Toilet / toilet compartment	accessibility	coat hook height	
Facility daily needs	Toilet / toilet compartment	accessibility	bench/couch: sufficient space available (190 x 100 cm and in front of it 150 x 150 cm movement area)	
Facility daily needs	Toilet / toilet compartment	accessibility	alternative use (e.g. bicycle parking space, cleaning agent room)	
Facility daily needs	Toilet / toilet compartment	accessibility	sketch/ground plan with dimensioning: (Please take additional photos!)	[Not relevant for general accessibility features, just for taking notes of such features within one building]
Facility daily needs	Toilet / toilet compartment	Lavatories	existence [Hand washing]	
Facility daily needs	Toilet / toilet compartment	Lavatories	accessibility by wheelchair	
Facility daily needs	Toilet / toilet compartment	Lavatories	clear floor space	including clear floor space under the lavatory, at least 150 x 150 cm
Facility daily needs	Toilet / toilet compartment	Lavatories	max height of the front of lavatory or counter surface, whichever is higher	
Facility daily needs	Toilet / toilet compartment	Lavatories	height of toe clearance	
Facility daily needs	Toilet / toilet compartment	Lavatories	pipes below the lavatory insulated or otherwise configured to protect against contact	
Facility daily needs	Toilet / toilet compartment	Lavatories	ease of operation of the facet: no tight grasping, pinching, or twisting of the wrist	no tight grasping, pinching, or twisting of the wrist
Facility daily needs	Toilet / toilet compartment	Lavatories	ease of operation of the facet: force	force
Facility daily needs	Toilet / toilet compartment	Lavatories	type: lever / non-contact / rotary knob / pusher / other: ...	
Facility daily needs	Toilet / toilet compartment	Soap dispensers	location: above lavatories or counters, not over an obstruction	
Facility daily needs	Toilet / toilet compartment	Soap dispensers	type: automatic / one-hand dispenser / other: ...	
Facility daily needs	Toilet / toilet compartment	Soap dispensers	depth	
Facility daily needs	Toilet / toilet compartment	Soap dispensers	height	
Facility daily needs	Toilet / toilet compartment	Disinfectant dispenser	location: above lavatories or counters, not over an obstruction	
Facility daily needs	Toilet / toilet compartment	hand dryers	type: Paper / hairdryer / cloth towel / no / other: ...	
Facility daily needs	Toilet / toilet compartment	hand dryers	depth	



Facility daily needs	Toilet / toilet compartment	hand dryers	height	
Facility daily needs	Toilet / toilet compartment	hand dryers	ease of use: no tight grasping, pinching or twisting of the wrist	
Facility daily needs	Toilet / toilet compartment	hand dryers	ease of use: force required to activate	
Facility daily needs	Toilet / toilet compartment	paper supply/towel dispenser		
Facility daily needs	Toilet / toilet compartment	paper supply/towel dispenser	dimension: height	
Facility daily needs	Toilet / toilet compartment	Trash can		
				the centerline of the water closet should be no less than 16 inches and no greater than 18 inches from the side wall or partition
Facility daily needs	Toilet / toilet compartment	Water closets	distance to wall or partition	
Facility daily needs	Toilet / toilet compartment	Water closets	clearance around the closet	
Facility daily needs	Toilet / toilet compartment	Water closets	dimensions: height	
Facility daily needs	Toilet / toilet compartment	Water closets	grab bar: location (side or rear wall)	
				grab bar: length (no more than 12 inches from the rear wall; extends at least 54 inches from the rear wall)
Facility daily needs	Toilet / toilet compartment	Water closets	grab bar: position (e.g. with respect to the rear wall, for a bar mounted on the side wall; left/right)	
				grab bar: height (at least 1,5 inches clearance between the grab bar and projecting objects below)
Facility daily needs	Toilet / toilet compartment	Water closets	grab bar: clearance above and below	
Facility daily needs	Toilet / toilet compartment	Water closets	grab bar: space between bar and wall	
Facility daily needs	Toilet / toilet compartment	Water closets	[handle bars:] foldable	
Facility daily needs	Toilet / toilet compartment	Water closets	barrier-free lateral approach in cm	
Facility daily needs	Toilet / toilet compartment	Water closets	approachability: on both sides / only left / only right	
				area next to WC in cm: left: ... / right: ... (Note: if you stand in front of the WC and look at it, then the left or right side)
Facility daily needs	Toilet / toilet compartment	Water closets	alternative transfer aid [moving aid from wheelchair to WC]	
Facility daily needs	Toilet / toilet compartment	Water closets	height	
Facility daily needs	Toilet / toilet compartment	flush control	ease of use: no tight grasping, pinching or twisting of the wrist	
Facility daily needs	Toilet / toilet compartment	flush control	ease of use: force	
Facility daily needs	Toilet / toilet compartment	flush control	position: side of closet	
Facility daily needs	Toilet / toilet compartment	toilet paper dispenser	distance to front of water closet	
Facility daily needs	Toilet / toilet compartment	toilet paper dispenser	height	
				position with respect to grab bars (not behind grab bars)
Facility daily needs	Toilet / toilet compartment	toilet paper dispenser	paper flow: allow continuous	
				[Accessible WC only:] accessible; accessible: tiltable; accessible: full height (mirror-UK on washbasin-OK); not accessible
Facility daily needs	Toilet / toilet compartment	mirror		
Facility daily needs	Toilet / toilet compartment	dimension	width of toilet compartment	

Facility daily needs	Toilet / toilet compartment	dimension	depth: depending on the water closet mounting
Facility daily needs	Toilet / toilet compartment	dimension	depth: area beyond the swing of the door
Facility daily needs	Toilet / toilet compartment	diaper changing table	
Facility daily needs	Toilet / toilet compartment	drinking water	
Facility daily needs	Toilet / toilet compartment	emergency light	
Facility daily needs	Toilet / toilet compartment	emergency call	emergency button
Facility daily needs	Toilet / toilet compartment	emergency call	high-contrast: yes / no
Facility daily needs	Toilet / toilet compartment	emergency call	accessible from the floor: yes / no
Facility daily needs	Toilet / toilet compartment	emergency call	accessible from the WC sitting: yes / no
Facility daily needs	Relaxation room	Room ID	
Facility daily needs	Relaxation room	access	accessible / not accessible
Facility daily needs	Relaxation room	Sign at room	existence
Facility daily needs	Relaxation room	Sign at room	Braille
Facility daily needs	Relaxation room	Sign at room	profile font
Facility daily needs	Relaxation room	Sign at room	occupied / free
Facility daily needs	Relaxation room	Sign at room	seating
Facility daily needs	Relaxation room	Sign at room	bench / couch
Facility daily needs	Relaxation room	diaper change	
Facility daily needs		sink or washbasin	
Facility daily needs	Relaxation room	sink	
Facility daily needs	Relaxation room	mirror	
Facility daily needs	Relaxation room	first aid kit	
Facility daily needs	Relaxation room	clear floor space	1,50 x 1,50 m
Facility daily needs	Relaxation room	Alternative use (e.g. bicycle parking space, cleaning agent room)	
Facility daily needs	Drinking Fountains	clear floor space	e.g. extending under the drinking fountain
Facility daily needs	Drinking Fountains	dimension	depth, depending on the depth of the fountain
Facility daily needs	Drinking Fountains	dimension	height of the operable parts
Facility daily needs	Drinking Fountains	ease of use	no tight grasping, pinching, twisting of the wrist
Facility daily needs	Drinking Fountains	ease of use	force
Facility daily needs	Drinking Fountains	spout outlet	height
Facility daily needs	Drinking Fountains	spout outlet	position, from front and rear of the drinking fountain
Facility daily needs	Drinking Fountains	spout outlet	max protruding into the circulation path
			depending on the height
Facility daily needs	Drinking Fountains	usage position	standing / sitting
			drinking fountain for standing persons: existence of at least one, spout outlet height
Facility daily needs		telephone	
Facility daily needs	Public telephones	type	pay phone
Facility daily needs	Public telephones	type	phone booth
Facility daily needs	Public telephones	clear floor space	
Facility daily needs	Public telephones	dimension	height of the operable part
Facility daily needs	Public telephones	dimension	max protruding into the circulation path
Facility daily needs	Public telephones	volume control	existence for at least one telephone
Facility daily needs	Public telephones	volume control	pictogram
Facility daily needs	Public telephones	TTY	existence for at least one telephone

Facility daily needs	Public telephones	TTY	height	
Facility daily needs	Public telephones	TTY	symbol	
				signs that provide directions to public telephones should also provide direction to TTY
Facility daily needs	Public telephones	signs	direction to phone	
Facility daily needs	Public telephones	signs	direction to tty	
General building information	Formal information	opening hours		
General building information	Formal information	opening hours (main and alternative entrance)		
General building information	Formal information	name	Abbreviation	
General building information	Formal information	building number		
General building information	Formal information	address of building		
General building information	Formal information	address		
General building information	Formal information	description	approaching the building	
General building information	Formal information	purpose		
General building information	Formal information	levels / floors		
General building information	Formal information	location of main entrance		
General building information	Formal information	entrance		
General building information	Formal information	access restrictions		
General building information	Formal information	phone number (for help)		
General building information	Formal information	size of the building		
General building information	Formal information	size		
General building information	Formal information	shape of building / structure / layout		
General building information	Formal information	intermediate or half floors		
General building information	Formal information	symmetry		
General building information	Formal information	bridges between buildings or parts of buildings		
General building information	Formal information	tunnels between buildings or parts of buildings		
General building information	Formal information	yard		
		dedication: special areas, access restrictions, causes of risk		
General building information	Formal information	risk		
General building information	Formal information	temporary barriers		
General building information	Formal information	behaviour rules (e.g. on a board)		
General building information	Formal information	important buildings in surrounding area		
General building information	Formal information	information on neighbouring buildings		
General building information	Formal information	public transport (distance to bus/train)		
General building information	Formal information	guide dog permitted		
General building information	Interior colors	conspicuous colors		
General building information	Light	visibility		
General building information	Light	type	light source, lamp or light bulb	
General building information	Light	type	lamp, light bulb, source	
General building information	Light	switch location		
General help for orientation / Technical assistance	guidance system	audio guide		
General help for orientation / Technical assistance	Reference points	prominent place as starting point		

General help for orientation / Technical assistance	Reference points	sound reference point or landmark	
General help for orientation / Technical assistance	Reference points	sound source	
General help for orientation / Technical assistance	Reference points	sings with audio sound	
General help for orientation / Technical assistance	Reference points	auditory: sound source; music; signs with audio sound	
General help for orientation / Technical assistance	Reference points	haptic reference point or landmark	
General help for orientation / Technical assistance	Reference points	haptic information	
General help for orientation / Technical assistance	Reference points	olfactory reference point or landmark	
General help for orientation / Technical assistance	Reference points	highly populated zone in a building	
General help for orientation / Technical assistance	guidance system	for persons with sight	
General help for orientation / Technical assistance	guidance system	for persons with blindness	tactile
General help for orientation / Technical assistance	signage	existence / too many / not enough	
General help for orientation / Technical assistance	signage	type	Direction sign [Wegweiser]
General help for orientation / Technical assistance	signage	language	German / English / Braille / raised text
General help for orientation / Technical assistance	signage	floor number	
General help for orientation / Technical assistance	signage	floor signs / ground indicating systems [Bodenindikatoren]	Negative profile, depth in centimeters. / positive Profile, height in cm
General help for orientation / Technical assistance	signage	tactile signpost	
General help for orientation / Technical assistance	signage	tactile signpost	Location of tactile description
General help for orientation / Technical assistance	signage	high contrast	
General help for orientation / Technical assistance	signage	text contrast	purpose: designate permanent rooms or spaces; provide direction to or information about interior spaces
General help for orientation / Technical assistance	signage	raised text	
General help for orientation / Technical assistance	signage	Braille	
General help for orientation / Technical assistance	signage	position	mounted on the wall on the latch side of the door

General help for orientation / Technical assistance	signage	height	
General help for orientation / Technical assistance	signage	signs/labels	
General help for orientation / Technical assistance	signage	inscription	
General help for orientation / Technical assistance	plan	existence	
General help for orientation / Technical assistance	plan	type	floor plan of building
General help for orientation / Technical assistance	plan	type	building plan, visual map, floor plan
General help for orientation / Technical assistance	plan	type	scale model of indoor area
General help for orientation / Technical assistance	plan	type	location of tactile map
General help for orientation / Technical assistance	plan	type	tactile map (location)
General help for orientation / Technical assistance	plan	type	overview panel/board
General help for orientation / Technical assistance	plan	type	Textual description of the building
General help for orientation / Technical assistance	plan	type	Textual description of a route
General help for orientation / Technical assistance	plan	marked points of the compass	
General help for orientation / Technical assistance	plan	for persons with sight	
General help for orientation / Technical assistance	plan	for persons with blindness	tactile
General help for orientation / Technical assistance	plan	location	indoors
General help for orientation / Technical assistance	plan	location	location of floor plans (Q); Maps (ATMaps)
General help for orientation / Technical assistance			outdoors
General help for orientation / Technical assistance	plan	location	outdoors
General help for orientation / Technical assistance	plan	toilet women	Room-ID, floor [location]
General help for orientation / Technical assistance	plan	toilet	Room-ID, floor [location]
General help for orientation / Technical assistance	plan	toilets accessible	Room-ID, floor [location]

General help for orientation / Technical assistance	plan	baby-changing room (children)	Room-ID, floor [location]
General help for orientation / Technical assistance	plan	relaxation room [Ruheraum]	Room-ID, floor [location]
General help for orientation / Technical assistance	plan	defibrillator (AED)	Room-ID, floor [location]
General help for orientation / Technical assistance	plan	first aid box	Room-ID, floor [location]
General help for orientation / Technical assistance	plan	entrance number	
General help for orientation / Technical assistance	plan	room-ID (directly adjacent room after the entrance door)	
General help for orientation / Technical assistance		intersection	
Movables	Furniture		
Movables	Furniture	type: standing	shelf
Movables	Furniture	type: standing	cupboard
Movables	Furniture	type: standing	wardrobe or closet or locker
Movables	Furniture	type: standing	book case
Movables	Furniture	type: standing	drawers or dresser
Movables	Furniture	type: standing	wardrobe, closet, locker, cupboard, shelf, book case, drawer or dresser
Movables	Furniture	table	
Movables	Furniture	type: table	desk
Movables	Furniture	type: table	tea table
Movables	Furniture	type: table	teacher's desk
Movables	Furniture	type: table	working bench
Movables	Furniture	type: table	baby's changing table
Movables	Furniture	type: table	baby's changing table, tea table, desk, teacher's desk, working bench
Movables	Furniture	type: table	big furniture, sofa, couch, bed, wardrobe
Movables	Furniture	type: seating	sitting bench
Movables	Furniture	type: seating	chair
Movables	Furniture	type: seating	bed
Movables	Furniture	type: seating	sofa or couch
Movables	Furniture	type: seating	armchair
Movables	Furniture	type: seating	bed, sofa or couch, chair, armchair, sitting bench
Movables	Furniture	type: hanging	hanging cabinet
Movables	Furniture	type: hanging	notice board
Movables	Furniture	type: hanging	projecting wall
Movables	Furniture	type: hanging	box on the wall
Movables	Furniture	type: hanging	coat hanger stand or hanger
Movables	Furniture	type: hanging	artwork
Movables	Furniture	type: hanging	wall mirror
Movables	Furniture	type: hanging	frame of painting on the wall

			notice board, projecting wall, wall mirror, frame of painting on the wall, box on the wall, hanging cabinet, coat hanger stand or hanger, artwork
Movables	Furniture	type: hanging	
Movables	Furniture	type: dangerous/orientation point	garbage bin
Movables	Furniture	type: dangerous/orientation point	mailbox
Movables	Furniture	type: dangerous/orientation point	recycle bin
Movables	Furniture	type: dangerous/orientation point	plants
Movables	Furniture	type: dangerous/orientation point	flower pot
Movables	Furniture	type: dangerous/orientation point	statue or sculpture
Movables	Furniture	type: dangerous/orientation point	newspaper or magazine stand
Movables	Furniture	type: dangerous/orientation point	stand with posters
			plants, flower pots, statue or sculpture, stand with posters, newspaper or magazine stand, mailbox, garbage bin, recycle bin
Movables	Furniture	type: dangerous/orientation point	
Movables	Furniture	size	
Movables	Furniture	material	glass surface
Movables	Tables	type	fixed
Movables	Tables	type	folding table from below
Movables	Tables	type	folding table from above
Movables	Tables	type	others...
Movables	Tables	dimensions	height lower edge of table in cm
			visibility of the projection surface 1st row: pleasant / unpleasant
Movables	Tables	dimensions	visibility of the projection surface last row: pleasant / unpleasant
Movables	Tables	dimensions	
Movables	Seatings	existence	
Movables	Seatings	Number of seats	
Movables	Seatings	Seat rows	number
Movables	Seatings	Seat rows	clear row width in cm
Movables	Seatings	Seating depth in cm	
Movables	Seatings	fixed seating (no space for wheelchair)	
Movables	Seatings	Pews	stair in pews: yes / no yes, see p.: ... / no
			wheelchair spaces: yes, variable / yes, rear / yes, front / no
Movables	Seatings	Pews	
Movables	Seatings	Pews	number of wheelchair places: without table
Movables	Seatings	Pews	number of wheelchair places: with table
			visibility of the projection surface from wheelchair space: pleasant / unpleasant
Movables	Seatings	Pews	
Movables	Seatings	Places with sockets	yes, variable / yes, rear / yes, front / no
			Seating: Assembly areas - theaters, auditoriums, stadiums, theater style classrooms, etc. , Seating: At dining surfaces (restaurants, cafeterias, etc.) and non-employee work surfaces (libraries, conference rooms, etc)
Movables	Wheelchair space (seatings)	number of wheelchair spaces (depending on the total number of seats)	(depending on the total number of seats)

Movables	Wheelchair space (seatings)	location (dispersed)	to allow location choices and viewing angles equivalent to other seating
Movables	Wheelchair space (seatings)	location (dispersed)	fixed
Movables	Wheelchair space (seatings)	clear line of sight	
Movables	Wheelchair space (seatings)	dimension	width
Movables	Wheelchair space (seatings)	dimension	depth
Movables	Wheelchair space (seatings)	wheelchair space adjoins accessible route (does not overlap it)	
Movables	Wheelchair space (seatings)	companion seat	existence
Movables	Wheelchair space (seatings)	companion seat	position (companion shoulder-to-shoulder with the person in wheelchair)
Movables	Wheelchair space (seatings)	companion seat	equivalent to seating in immediate area
Movables	Wheelchair space (seatings)	route to accessible seating	width
Movables	Wheelchair space (seatings)	height of the accessible surface (table, etc)	
Movables	Wheelchair space (seatings)	possibility to put an extra table	
Movables	Wheelchair space (seatings)	clear floor space for approaching accessible surface	
Movables	Wheelchair space (seatings)	knee space dimensions	width
Movables	Wheelchair space (seatings)	knee space dimensions	height
Movables	Benches	one room with a bench: existence [In locker rooms, dressing rooms, fitting rooms [does not apply to any other benches]]	
Movables	Benches	clear floor space at the end of the bench	
Movables	Benches	dimensions	length
Movables	Benches	dimensions	depth
Movables	Benches	dimensions	height
Movables	Benches	back support	
Movables	Benches	affixed to wall	
Movables	Blackboards	reflecting	
Movables	Food Service Lines –in cafeterias, salad bars, eat-in fast food establishments, etc.	self-service shelf or dispensing device	accessibility (forward or parallel approach)
Movables	Food Service Lines –in cafeterias, salad bars, eat-in fast food establishments, etc.	self-service shelf or dispensing device	height
Movables	Food Service Lines –in cafeterias, salad bars, eat-in fast food establishments, etc.	self-service shelf or dispensing device	shallow obstruction (device is pushed behind)
Movables	Food Service Lines –in cafeterias, salad bars, eat-in fast food establishments, etc.	self-service shelf or dispensing device	clear floor space extending under the obstruction



	Food Service Lines –in cafeterias, salad bars, eat-in fast food establishments, etc.	tray slide height		
Movables				
Security	Fire protection	fire extinguisher		
Security	Fire protection	fire hose		
Security	Fire protection	fire hose		
Security	Fire Alarm Systems	flashing lights signals		
Security	Fire Alarm Systems	audible signals		
Security	Escape route	Signposting without gaps		
Security	Escape route	Illumination of the signs:		
Security	Escape route	Alarm in the 2-sense system		
Security	Security zone			
Security	Fire protection	fire extinguisher		
Way to building	Accessible Parking	accessible parking lots		
Way to building	Accessible Parking	existence		
Way to building	Accessible Parking	number		
Way to building	Accessible Parking	dimension (min 8ft x 5ft)		
Way to building	Accessible Parking	location	description	
Way to building	Accessible Parking	location	min one van accessible space	
Way to building	Accessible Parking	location	vertical clearance for the van space	
Way to building	Accessible Parking	access aisles	marked access aisles	
Way to building	Accessible Parking	access aisles	do access aisles adjoin an accessible route?	
Way to building	Accessible Parking	slope		
Way to building	Accessible Parking	sign	accessibility sign existence, min 60inch high	
Way to building	Accessible Parking	sign	van accessibility sign	
Way to building	Accessible Parking	distance to the accessible entrance (closest)		
Way to building	Exterior accessible route	existence		
Way to building	Exterior accessible route	condition	stable	uneven surfaces
Way to building	Exterior accessible route	condition	good/bad	
Way to building	Exterior accessible route	condition	firm	tree roots protruding on footpaths and driveways
Way to building	Exterior accessible route	condition	slip-resistant	
Way to building	Exterior accessible route	condition	undulations	
Way to building	Exterior accessible route	condition	cross-fall on pavements	
Way to building	Exterior accessible route	condition	cobbles	
Way to building	Exterior accessible route	dimension	width	
Way to building	Exterior accessible route	passing space		
Way to building	Exterior accessible route	grates or openings		
Way to building	Exterior accessible route	slope	running slope	
Way to building	Exterior accessible route	slope	cross slope	
Way to building	Ramp			
Way to building	Curb ramp / curb cuts	existence		
Way to building	Curb ramp / curb cuts	dimension	width	
Way to building	Curb ramp / curb cuts	slope	running slope	

Way to building	Curb ramp / curb cuts	slope	cross slope
Way to building	Curb ramp / curb cuts	level landing dimensions	
Way to building	Lift (outside)		
Way to building	Stairs		
Way to building	Ground in front of entrance	condition	cobblestones
Way to building	Ground in front of entrance	condition	asphalt
Way to building	Ground in front of entrance	condition	large stone slabs (with/on large joints) / other... Profile brick(s) / curb / masonry / wall / fence / handrail / other upstand
Way to building	Ground in front of entrance	tactile pavement to the entrance	
Way to building	Description		
Way to building	Way to public transport	distance to entrance	
Way to building	Way to public transport	name of station	
Way to building	Way to public transport	surface material	
Way to building	Way to public transport	ground indicators	existence
Way to building	Way to public transport	ground indicators	visual
Way to building	Way to public transport	ground indicators	tactile
Way to building	Construction works in the area		

## References (n=26):

Alkhanifer, A., & Ludi, S. (2014). Towards a situation awareness design to improve visually impaired orientation in unfamiliar buildings: Requirements elicitation study. S. 23-32.

ATMAPS. (2021). ATMAPS D2.1 User Requirements Specifications Report. Specification of symbols used on audio-tactile maps for individuals with blindness (ATMAPS). Von ATMAPS: <https://www.atmaps.eu/index.php/english/>

Banovic, N., Franz, R., Truong, K., Mankoff, J., & Dey, A. (2013). Uncovering Information Needs for Independent Spatial Learning for Users Who Are Visually Impaired. Von <https://doi.org/10.1145/2513383.2513445> abgerufen

Ding, D., Parmanto, B., Karimi, H., Roongpiboonsopit, D., Pramana, G., Conahan, T., & Kasemsuppakorn, P. (2007). Design Considerations for a Personalized Wheelchair Navigation System.

Dzafic, D., Bitsch, J. A., Baumeister, D., Kowalewski, S., & Wehrle, K. (2012). Towards an Indoor Traffic Report -Requirements for Dynamic Route Planning for Wheelchair Users.

Fallah, N., Apostolopoulos, I., Bekris, K., & Folmer, E. (2012). The User as a Sensor: Navigating Users with Visual Impairments in Indoor Spaces Using Tactile Landmarks. S. 425-432. Von <https://doi.org/10.1145/2207676.2207735>

Goldschmidt, M. (2018). Orientation and Mobility Training to People with Visual Impairments. (P. Edwige, Hrsg.) *Mobility of Visually Impaired People*, S. 237-261. doi:10.1007/978-3-319-54446-5\_8

Gomez, J., Langdon, M., & Clarkson, J. (2016). Navigating the Workplace Environment as a Visually Impaired Person. (M. Antona, & C. Stephanidis, Hrsg.) *UAHCI 2016: Universal Access in Human-Computer Interaction. Users and Holfeld, M. (2011). Barrierefreie Lebensräume: Bauen und Wohnen ohne Hindernisse (2. Aufl.). (Beuth, Hrsg.) DIN e.V.*

Institute for Human Centered Design. (2016). ADA Checklist for Existing Facilities. Retrieved from ADA Checklist for Existing Facilities: <https://adachecklist.org/doc/fullchecklist/ada-checklist.pdf>

Ivanov, R. (2017). An approach for developing indoor navigation systems for visually. 9(4), S. 449-467.

Jaunich, P. (2014). m4guide - mobile multi-modal mobility guide AP 820 Auswertung der Befragung zur Ausgangssituation und den Anforderungen der Nutzer. Von <http://docplayer.org/7733335-M4guide-mobile-multi-modal-m>

Jeamwatthanachai, W., Wald, M., & Wills, G. (5 2019). Indoor navigation by blind people: behaviors and challenges in unfamiliar spaces and buildings. *British Journal of Visual Impairment*, 37(2), S. 140-153. Von [https://eprints.sc.kit & IOSB. \(kein Datum\). Das System SmartCampus und das Projekt SmartCampus barrierefrei. Abgerufen am February 2021 von SmartCampus: https://cm.tm.kit.edu/smartcampus.php](https://eprints.sc.kit & IOSB. (kein Datum). Das System SmartCampus und das Projekt SmartCampus barrierefrei. Abgerufen am February 2021 von SmartCampus: https://cm.tm.kit.edu/smartcampus.php)

Mayordomo-Martínez, D., de Gea, J., García-Mateos, G., García Berná, J., Fernández-Alemán, J., Rosero-López, S., . . . García-Hernández, M. (2 2019). Sustainable Accessibility: A Mobile App for Helping People with Disabilities to : McIntyre, L. (2011). The way-finding journey within a large public building : a user centred study of the holistic way-finding experience across a range of visual ability.

Meyers, A., Anderson, J., Miller, D., Shipp, K., & Hoening, H. (2002). Barriers, facilitators, and access for wheelchair users: substantive and methodologic lessons from a pilot study of environmental effects. *Social Science & Medicine* 54(1), S. 1-12. doi:10.1016/j.socscimed.2002.03.008  
Park, J., & Chowdhury, S. (May 2018). Investigating the barriers in a typical journey by public transport users with disabilities. *Journal of Transport & Health* 10. doi:10.1016/j.jth.2018.05.008

Pérez, J., Arrue, M., Kobayashi, M., Takagi, H., & Asakawa, C. (2017). Assessment of Semantic Taxonomies for Blind Indoor Navigation Based on a Shopping Center Use Case. W4A 17. doi:10.1145/3058555.3058575  
Projekt MOBILITY. (n.d.). Ergebnis aus der Anforderungsanalyse AP2 (TUD): Konzeptionelles Datenmodell Version 4

Saha, M., Fiannaca, A., Kneisel, M., Cutrell, E., & Morris, M. (2019). Closing the Gap: Designing for the Last-Few-Meters Wayfinding Problem for People with Visual Impairments. New York, NY, USA: Association for Computing Ma

Sato, D., Oh, U., Guerreiro, J., Ahmetovic, D., Naito, K., Takagi, H., Asakawa, C. (8 2019). NavCog3 in the Wild: Large-Scale Blind Indoor Navigation Assistant with Semantic Features. Von <https://doi.org/10.1145/3340319> abgerufe  
Technische Universität Dresden, Fakultät Architektur, Professur für Gebäudelehre und Entwerfen: Sozial- und Gesundheitsbauten. (2018). Kriterienkatalog zur Bewertung der baulichen Inklusion an Hochschulen

Thapar, N., Warner, G., Drainoni, M.-L., Williams, S., Ditchfield, H., Wierbicky, J., & Nesathurai, S. (2004). A pilot study of functional access to public buildings and facilities for persons with impairments. 26(5), S. 280-289. Von <http://www.tandf.co.uk/journals/0014-0139/v26n05>  
Williams, M. A. (2016). Better Supporting Blind Pedestrians and Blind Navigation Technologies Through Accessible Architecture. (L. Pat, Hrsg.) Designing Around People, S. 237-246.

Yang, R., Park, S., Mishra, S., Hong, Z., Newsom, C., Joo, H., Newman, M. (2011). Supporting Spatial Awareness and Independent Wayfinding for Pedestrians with Visual Impairments. ASSETS 11, S. 27-34. doi:10.1145/2049536.2049537