

2021 KU Architecture Graduation Project A3 Design Report Checklist

Student Name _____ NO. _____ Instructor _____

Review Date _____ Resubmission Date _____ Pass/Fail _____

Instructor Signature _____

PART I . DESIGN CONTENTS

ITEM	CONTENT	O/X	Required Additions/corrections	Final O/X
1	TEXTS			
	Table of contents			
	Project Description(500 to 1000 words)			
	Project Summary (Zoning and Regulations)			
2	RESEARCH.			
	Site Analysis (topography, climate, facilities, access, etc.)			
	Site Analysis. Regulations			
	Site Analysis. Historical, Social, Cultural			
	Program analysis. Diagrams & Area Tables			
	Antecedents, Case Studies and Design References			
3	CONCEPT PROCESS			
	Diagrams, sketches, etc.			
4	SITE PLAN			
	Scale 1/2000 to 1/500 adequate to the project size, with enough urban context, surrounding streets and buildings.			
	Access (pedestrian, vehicles, services, emergencies)			
	Landscape			
	North Indication			
	Plot borders, building setbacks, Total roof height according to streets and North Side Height setbacks. Ground level. Landscaped area.			
	Emergency truck approach space.			
5	FLOOR PLANS			
	All floors, or in high-rise, all public and typical floors.			
	Ground plan with access, and immediate exterior spaces.			
	Roof plan with access and technical rooms or MEP spaces if any			
	Basement or Underground Floors.			
	COMMON TO ALL FLOOR PLANS			
	Scale minimum 1/200, or adequate to the project size.			
	Basic dimensions (minimum structural axis spans, labeled).			
	Floor plans of important parts at larger scale, at least 1/100, or adequate to project size. More detailed dimensions (rooms, corridor, stairs, shafts,...)			
	Room Names, suggested furniture layout			
	Position of stairs, shafts and MEP rooms.			
	Vertical circulation, Restrooms and MEP rooms.			
	Title, Scale, North, Floor number & elevations			
	Sections & Elevation reference Marks			
	Barrier free and emergency egress, included in the general plan drawings if clear enough, otherwise, include as separate drawings. See 10 and 11 below.			
6	SECTIONS			
	Minimum 2, one through vertical circulation (stairs, elevators, ramps)			
	Scale minimum 1/200, or adequate to the project size			
	Title, Scale, Floor numbers and height level (vertical elevation by floors). Building maximum height.			
	With underground and exterior spaces.			
	Clear ground level and access level expression			
7	ELEVATIONS			
	Minimum 2, all necessary information to define building exterior enclosure and massing design			
	Scale minimum 1/200, or adequate to the project size			
	Title, Scale, Floor numbers and height level (vertical elevation by floors). Building maximum height.			
	Ground level, entrance, facade openings, and material expression/ indication			
	Exterior space and landscape expression			
8	PERSPECTIVES			
	At least 2, one exterior and one interior. Model photos of good quality or/and computer render or/and hand drawings.			
9	OTHER			
	Additional materials			

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PART II . TECHNICAL CONTENTS

ITEM	CONTENT	O/X	Required Additions/corrections	Final O/X
10	BARRIER FREE (BF)	Accessibility plan minimum 1/200, or adequate to project size, with barrier free entrance(s), accessible paths, and location of accessible facilities		
		Detail of accessible facilities (Blind paths, entrances, ramps, handrails, toilets, elevators, parking, auditorium seats, wheelchair rotation spaces, etc.)		
11	SAFETY AND EGRESS	Egress plan 1/200 or scale adequate to the project size, with scape ways, safe exits, fire sectoring, safe stairs/fire elevators, emergency truck access to the site.		
	* Optional:	Location and description of passive and active fire safety systems.		
	* Optional:	Calculation of occupancy by sectors, and detailed dimensioning of stairs and exits		
12	CONSTRUCTION DETAILING	<u>Min. 4</u> INTEGRATED SECTION DETAIL, including envelope and a reasonable portion of interior space. min. Scale 1/20, Include from ground to roof (in high-rise representative sectors of the tower), with annotation of material layering and description of openings and transparent areas.		
		Expression of structural elements, MEP systems (ceilings, floors, etc) and interior finish layering.		
	* Optional:	Materials schedules		
13	STRUCTURE	Structure diagramme in plan and section		
		Minimum 1/200 or adequate to project scale		
	* Optional:	Foundation plan diagramme.		
	* Optional:	Structure Section> Idem, with floor name and height level indication.		
	* Optional:	Detailed plan 1/100 or larger with horizontal and vertical elements pre/ dimensioned.		
	* Optional:	Detail of special elements (trusses, tridimensional structures, joints, etc.)		
14	SUSTAINABILITY. Environmental and MEP systems	NOTE. Safety and conveyance must be included in 10 and 11 above (BF, Safety and egress)		
		Green strategies diagram. Active and passive systems, energy co-generation and other sustainable strategies (water, materials, air quality, etc)		
	* Optional:	Energy, Light etc. simulations		
	* Optional:	MEP floor plan and section diagrammes.		
	* Optional:	Artificial lighting plan		
	* Optional:	Acoustic study (auditoriums, classrooms... etc)		
15	DIGITAL			
	* Optional:	Strategies for digital fabrication, BIM implementation, parametric design, etc.		
16	INTERIOR			
	* Optional:	Interior elevations, ceiling, flooring. Detailed furniture		
	* Optional:	Interior material and furniture schedules		
	* Optional:	Interior detailing		
17	LANDSCAPE			
	* Optional:	Detailed planting plan, seasonal colour variations, etc.		
	* Optional:	Detailed Pavement and urban furniture study (lighting, benches, bus stops, etc...)		

Students shall cover the contents of sections 1 to 14, and at least ONE or more additional options in sections 11 to 17