## **DESIGN DEVELOPMENT REVIEW PACKAGE CHECKLIST**

Check off each item that is included within the submitted Design Development Review Package. Provide a written explanation for any omissions. The following items, in addition to the required Items in Schematic Design, are to be included as a minimum, respective of the project type.

<b>co</b> □	<b>NFIRMATION</b> Written confirmation that items noted by the University staff in response to the Schematic Design submittal have been addressed, and that the Schematic Design submission has been approved by the Department of Facilities Planning.
GE	NERAL DESCRIPTION
	Description of construction phasing
	On the Cover Sheet, list applicable building information, to include at a minimum: Codes applicable to project
	Building Code review, describing means of compliance for major code issues and building systems
	Description of any proposed occupancy within the construction area
	Evaluation of anticipated sustainability performance (use LEED "GreenBuilding Rating System")
	Description of water and vapor characteristics of roof and exterior walls
	Design intent document (rough draft)
SIT	E
	General dimensions, site and FFL elevations, adjoining streets and property lines
	North arrow
	Parking plan and elevations, including accessible parking
	Site drainage
	Lighting plan
	Concept details of site fixtures and equipment
	Utility plans, elevations, and details
	Plan to address existing hazardous materials, if applicable
	Dewatering plan
	Protection requirements during construction for the plantings that remain
LAI	NDSCAPING Planting Plan
	Irrigation Plan
	Spare sleeve locations for the irrigation system
FIR	E PROTECTION / LIFE SAFETY Wall types, Fire Ratings
	Floor areas (square feet)
Des	ign Development Phase Review Package Checklist 1 of

	Proposed Construction Type
	Mixed occupancy description
	Smoke control zones (with areas)
	Plan to address existing hazardous materials, if applicable
	Exit access corridors
	If the project includes an addition to an existing building:
	Describe or show the condition and extent of the existing building's fire protection/life safety features.
	Give area and code classification type of construction of the existing building
	Show locations of existing fire division walls
	Show the locations of existing toilets and exits
	Show existing buildings in close proximity to the new project
	Show assumed property lines between facing walls of new and existing buildings
	Identify facing walls that are exterior bearing or non-bearing
	Verify fire resistance of facing walls
	Calculate percentage of openings in existing and new facing walls
	Show code compliance for "Buildings Located on the Same Lot".
	Determine and Identify Knox Box location.
RO	ILDING INTERIOR All floor plans (min 1/16" scale)
	Room Names and Numbers as approved by Facilities Planning
	Enlarged plans at elevation changes (such as stairs)
$\Box$	Enlarged plans at toilet rooms, including a code related "Plumbing Count"
$\Box$	Reflected ceiling plans
$\Box$	Fixed seating
	Define seating, serving, and kitchen facilities
	Equipment and furniture layouts
	Important interior elevations
	Details of unique features
	Details of fixed equipment
	Preliminary finish schedule
	Preliminary door schedule
	Preliminary material schedule
	Custodial closets with floor drains, sinks, and storage
$\overline{}$	Determination and review of Interior Signage

Вυ	All building elevations with disconsisted beingto
	All building elevations with dimensional heights
	Typical wall sections
	Parapet and coping details
	Roof and drainage plan
Ц	Exterior door details
Ш	Typical window details
	Details of unique features
	Expansion joint locations
	Large scale building cross-sections and other cross sections as necessary to explain the spaces and overall design of the building
	Determination and review of Exterior Signage
	EVATORS  Elevator shaft section
	Equipment description
STF	RUCTURAL
	Foundation plan
	Typical floor framing plan
	Framing plan(s) at unique features
	Main member sizing
	Structural sections
HV	• •
	Identify all systems; written description of system, including source of heat and cooling, type of air distribution system, and dehumidification process.
Ш	Exterior equipment locations
	Air intake and discharge locations
	Mechanical legend
	Special occupancy zones
	Energy code requirements
	Design criteria for each mechanical system (including room T & H specs, NC levels, etc)
	One-line diagrams and other materials as required to describe the fundamental design concept for all mechanical systems
	Indication of the amount of redundancy for all major pieces of mechanical equipment, e.g. "two pumps 100% capacity each"
	Overall building air flow diagram indicating air handlers, exhaust fans, duct risers, and duct mains.
	Plans indicating shaft, chase, recess requirements
	Duct layout for typical spaces
	Equipment schedules (major equipment)

	Equipment locations (with enlarged mechanical plans(s))
	Control diagrams (concept form) for all mechanical and plumbing systems
	Description of major sequences of operation
	Central automation operation
	M/E smoke control scheme
	Preliminary calculations
	Submission of boiler specification sheet and MDEQ Form 502 B10
PLI	JMBING AND PIPING  Main water supply and connection to sanitation sewer.
	Plumbing legend
	Design criteria for each plumbing system (including set points, water quality levels, etc.)
	One-line diagrams, etc. that describe the fundamental design concept for all plumbing systems
	Piping plans (domestic and process) with indication of required serviced access areas
	Water header diagram
	Central cooling water header diagram
	Steam header diagram
	Steam metering concept
	Cookin Medicining controller
FIR	RE PROTECTION (MECHANICAL) Report documenting adequacy of utility
	Connection to utility
	Location of sprinkler valve
	Sprinkler legend
	Fire Protection systems (as required by code)
	Riser diagram
	One-line layout
	Fire pump sizing calculations
	Stand Pipes
	Sprinkler System Type/Heads
	CTRICAL – POWER DISTRIBUTION One-line diagrams
	Electric vault locations
	Electric legend
	Normal power riser diagram with circuit breaker and fuse sizes
	Emergency power riser diagram with circuit breaker and fuse sizes
	List of equipment on emergency power
	Emergency generator layout

Submission of generator specification sheet and MDEQ Form 502 B10	
Equipment layout/sizes, with receptacles	
Panel locations/schedules	
Load estimates	
☐ Plan for temporary power during construction	
ELECTRICAL – LIGHTING  Typical lighting plans	
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Fixture/switching layout	
Fixture types and schedule	
Fixture Cut-Sheets	
Light level calculations	
Energy code requirements	
ELECTRICAL – FIRE ALARM	
Connection to the University Power Plant	
Panel locations	
Riser diagram	
Fire alarm zones	
☐ Smoke zones	
☐ Device locations	
Exit signs	
ELECTRICAL – COMMUNICATIONS (including Voice, Data, Video Building and local distribution	o, and A/V Systems)
Cable tray locations	
Riser diagrams	
☐ Voice/data utility outlet locations	
Conduit plans	
Material cut-sheets	
☐ Description of audio/visual systems	
Audio/visual equipment locations (indicate hangers, cabinets, and connections)	ection boxes)
ELECTRICAL – SECURITY SYSTEMS  General security / CCTV system description and locations	
General description of card access system and locations	
Security system riser diagrams	
I I SCOULT STOCK S	
Security equipment locations	

SPECIFICATIONS  System and material payretive description	
System and material narrative description.	
Outline specification with same section numbering as Construction Documents describe:	s. Specifications to briefly
Finishes	
Construction systems	
☐ Electrical work, lighting types and intensities	
☐ Mechanical systems and requirements	
Unusual features	
Water supply and sewage systems	
COST  Updated construction cost estimate by materials, including all necessary Allow allowed shall be for access controls and mechanical controls. Note – Design De be considered completed until the Design Professional construction submits the estimate.	velopment Phase shall not
Coordinate the Design Professional's construction cost estimate with the "Proje by Facilities Planning.	ect Budget Sheet" issued
SUBMITTALS  At the completion of the Design Development Phase, two (2) sets of the document the Department of Facilities Planning for review.	nents shall be submitted to
I,, attest that the above m provided within the Design Development Review Package, or that an explanation h	
Signature	Date
Printed Name	_

- END OF DESIGN DEVELOPMENT PHASE REVIEW PACKAGE CHECKLIST -