Health Facility Guidelines



Deliverables for Detailed Submission

0. Guidance o	n How to Deliver your Submission	ı to S	SHCC								
2. This docun information deemed in may be except the examples: Examples:	nent provides information on all the deliverables nent also is to be used as a Checklist for the App as possible, there may be reasons why certain complete may be rejected by SHCC. It is therefore the providing certain deliverables.	plicant, deliver ore the ly not re re not re	to verify the rables may Applicant equired for required if d for a sm	ne Submi y not neer s respons r single-le the healt all dental	ssion is co d to be pro sibility to be evel facilitie n facility do clinic	mplete. To vided. Whe e as comp es. For mu es not pro			APPLICANT SELF CHECK	SHCC OFFICER CHECK	
Key to the spreadsheet below Part For hard copies - All items with identical numbers are to be bound together but separated by dividers/tabs For sort copies - All items with identical numbers are to be filed together in a folder Size The document is to be submitted in the prescribed size Scale The document is to be submitted using the prescribed scale T emplate - The Applicant is to use a Template for this specific deliverable. All Templates are provided in Part A. S Sample - The Applicant is to use a Template for this specific deliverable. All Samples are provided in Part A. The Sample will give an indication on the format/content of the deliverable Hard Copy An "x" in this column indicates one (1) hard copy is to be provided, to scale and in color where required. Hinimum size to be A1 An "x" in this column indicates one (1) PDF copy is to be provided, to scale and in color where required. File naming should allow easy identification of each document Soft Copy An "x" in this column indicates one (1) soft copy in the prescribed format is to be provided. File naming should allow easy identification of each document											
All docume	General All dimensions, levels and areas to be metric All documents produced by the applicant to be in English										
i. Documents	and Approvals by Other Authoriti	ies ai	ilu sei v	ice Pi	JVIUEI S						
1.2 Detailed Sul	for Detailed Submission mission Application Form	Part 1	A4 A4 A4	T/S T	Hard copy X X	PDF X X	Soft copy Comments Signed hard copy and PDF to be included with the Submission. x Soft copy to be submitted online by the operator/developer, Signed hard copy and PDF to be submitted with the Submission	le			
1.4 Assessment 1.5 NoC for Lan		1 1 1 1	A4 A4 A4	S	X X X	X X X	Authority/supplier name, purpose of document and approval date mentioned in the file name Word The MS Word Assessment Report as issued by SHCC when issuing the AIP-S is to be completed and updated as required Authority/supplier name, purpose of document and approval date mentioned in the file name Name - Sign - Seal of the Owner, Consulant and Contractor, purpose of document and approval date mentioned in the file name				
Specification 1.7 All other req Authority, De	Approved Letter" uired Authorities (Sharjah Electricity and Water epartment of Telecommunication - Etisalat, a and Civil Defence).	1	A4		х	х	Authority/supplier name, purpose of document and approval date mentioned in the file name				
1.8 Non-Compli	ance Report - Deliverables	1	A4	Т	Х	х	Where the Submission is not fully compliant (not all boxes ticked in the applicant self-check field), all non-compliances are to be listed in a separate report explaining the reasons for the non-compliance. The missing item is to be identified by the corresponding reference number on this sheet				
1.9 Non-Compli	ance Report - Design	1	A4	Т	Х	Х	Where the design is not fully compliant with the Standards and Guidelines, all non-compliances are to be listed in a separate report, explaining the reasons for the non-compliance	ľ		ш	
2. Architectura	al Reports, Schedules and Calcula	ation	s								
2.1 Architectura	l Reports										
No Item		Part		T/S	Hard copy	PDF	Soft copy Comments				
2.1.1 Project Synd	ppsis	2	A4		х	Х	General description of the facility ("Type and purpose of the facility") Overall design philosophy Need and benefits Indicate whether there is a need for this facility to be fully operational after national disasters such as earthquakes, whether there are any special design considerations towards dealing with pandemics or large scale contamination				
2.1.2 Role Delinea	ation Level (RDL) Matrix	2	A4	Т	х	х	* Key planning figures such as number of beds - Operating Rooms, Birthing Rooms, ICU bays/rooms etc. Declare the intended level of service for every FPU within the facility. Note this should match what was declared when Registering the Health Facility (Step 1)	I F	41		
					1						

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2.1 Architectural Reports - continued						Ī	
No Itom	Dort Circ	T/C	Hord con	DDE	Cott con/Commands	ī	
No Item 2.1.3 Functional Planning Unit (FPU) Schedule	Part Size	1/5	Hard copy	PDF	Soft copy/Comments General description of each FPU	- -	1 -
	-				* Complete list of all FPUs (Departments) including their Gross Floor Area and proposed RDL		-
					* Provide a short operational policy per FPU		-
					* Explain the most critical functional relations to other FPUs (explain adjacencies)		-
					* Explain the different access points for staff, patients and visitors		4
					* Explain whether there are any (semi) restricted areas and how this segregation is achieved		4
					* Explain what facilities (change rooms, showers, lounges, loilets etc.) are available for staff, patients and visitors within/outside the department		=
					Expansi material college Tools, showers, hourses, hourse, hourses, hourses, hourses, hourses, hourses, hourses, hourses,		-
					Explain at universit stronger routins within the retrollation uses interactions. Explain all special hazards within this particular FPU and uses interactions that will be addressed during the design phase (example: radiation, chemicals, etc.).		4
					Expan an special nazarus winn in us parinal Fro and explain now ins win be adulessed uping the existy phase (example, radiation, chemicals, etc.) * Elaborate on all people and goods flows within the department if this is not fully addressed under flem 1.2.4		-
2.1.4 People and Goods Flows	2 A4					4 II —	
2.1.4 People and Goods Flows	2 A4		х	Х	At facility level, explain text and document in color through the departmental relationship plans		┨┃┕
					* Visitors flows from car parking to each FPU accessible to the public		4
					* Staff flows from car parking to each FPU and/or change room		-
					* Patient flows from car parking, ambulance bay and helipad to each FPU accessible to patients		
					* The use and internal size of each lift cabin - staff, patients, visitors, goods, maintenance, CCSD or a mixture		
					* The use of each entry point into the facility - staff, patients, visitors, goods, public, staff only etc.		
					* Storage, collection, delivery, distribution of clean and soiled linen. Explain whether laundry is on/off site.		
				l	* Storage, collection, recycling of waste - general, food, medical, radioactive, biohazard		
				l	* Storage, delivery of fuels, medical gases		
				l	* Storage, delivery of food to the kitchen. Explain whether food preparation is on/off site.		
					* Storage, delivery of food to the wards.		1
					* Medication delivery to wards, medication rooms, pharmacies etc who delivers, how is it stored, how is it secured		1
					* Cleaning methods and distribution/detailed fit out of housekeeping rooms		1
						- -	١ ا
2.2 Architectural Schedules and Calculations	.						
No Item 2.2.1 Schedule of Accommodation	Part Size	T/S	Hard copy	PDF	Soft capy Comments		
2.2.1 Schedule of Accommodation	3 A4	1	Х	Х	Excel Room names in line with HFG nomenclature		4 _
					Room number and Meltic Floor Area		4
					No of rooms per type, per FPU (Department)		4
					Total circulation within the Department		4
					Departmental totals - net, circulation, gross		
					Total circulation outside the Departments		
					Total engineering space and plant rooms		
					Floor level totals - net, circulation, gross		
					Facility totals - net, circulation, gross		
					State which area measurement method was used, internal dimensions or no-gap method		
					GFA should be listed per floor and per use (offices, clinical etc.)		
2.2.2 Occupant Load Calculation	3 A4		Х	Х	Based on NFPA101 and stamped "Approved" by the Sharjah Civil Defence		
2.2.3 Vertical Transportation Study	3 A4		Х	Х	This should be conducted by a reputable vertical transportation specialist		
					Indicate the exact use of each lift - patients, visitors, staff, goods, maintenance] "
3. Architectural Drawings						I	
3.1 Architectural and Health Planning Drawir	ıgs					T	
No Item	Part Scale	T/S	Hard copy	PDF	Soft copy Showing	1	
3.1.1 Departmental Relationships Plans and	4 1/100		Х	X	Acad Room names in line with HFG nomenclature		
People and Goods Flows				l	FPU (Department) names in line with HFG nomenclature		
,				l	FPUs (Departments) shown in different colors		
					Where support areas are shared between Departments, provide hatching indicating the extent		1
					where support areas are shared between begannients, provide including including the extent. Where areas are restricted or semi-restricted, provide a bold outline around the perimeter indicating the extent.		-
					where a case are resultaneous estimates uncompanie a dono dumine around une perimenen monaning une externi Indicate all people and goods flows as described under 1.2.4		-
							4
3.1.2 Architectural Floor Plans	5 1/100				Key plan indicating what portion of the facility is shown on the sheet Acad Room names in line with HFG nomenclature		
3.1.2 MICHIRECTURAL FIGUR FIGHTS	5 1/100	S	Х	Х			
				l	Room number and Metric Floor Area		-
				l	FPU (Department) names in line with HFG nomenclature		4
				l	Total FPU (Department) area written within each FPU		4
					Dimensions (between walls) for all rooms, including corridors		
				l	Dimensions for door openings (clear opening)		
					Dimensions between grid lines		
					All built in joinery, sanitary fittings and large furniture/equipment		
					Where sinks and basins are shown, visually identify which are for clinical use, for disposal of body fluids, for cleaning and for hand washing		
					All floor wastes and shower drains, including floor falls		1
				l	Where storage rooms/alcoves are shown, specify the exact use in line with the nomenclature as described in the HFG		1
					Key plan indicating what portion of the facility is shown on the sheet		
						4	J

No Item 3.1.3 Architectura 3.1.4 Reflected C	ural Sections	Part 6	Scale 1/100	T/S	Hard copy	PDF X		Showing		
3.1.3 Architectura 3.1.4 Reflected 0	ural Sections			T/S				Snowing		
3.1.4 Reflected O		6	1/100							
	Ceiling Plans					A	Acad	Dimensions of floor to floor heights		$ \sqcup $
	Ceiling Plans							Dimensions of clear ceiling heights Key plan indicating where the section is taken		
	Ceiling Plans	7	1/100		Х		Acad	Key plan indicating where the section is careful. Room names in the with HFG nomenclature.		Ιп
		'	1/100		X	Х	Acau	Room number Room number	\Box	ΙШ
245								Rount numer Ceiling height	\Box	
0.05								Ceany regyn. All built in joinery going up to the ceiling	\Box	
245 (Na Louin in joinery young up to the Seminy All ceiling mounted equipment and fixtures	\Box	
0.4.5.6.15								Par Centing incurred equipment and incures Type/material of ceiling	\Box	
0.4.5.4.1.11								Typerinceron or ceims (Key plan indicating what portion of the facility is shown on the sheet	\Box	
3.1.51Architectur	ural Elevations Exterior	8	1/100		х	х	Acad	New year inducting which portions or in reciously is anown on the street. Dimensions of floor to floor heights	-	
3.1.3 Alchitecture	dial Elevations Exterior	0	1/100		^	^	Acau	Centerisons on mono to mon freguns Key plan indicting where the elevation is taken	-	
								New year inducting writer the Everation is direct. Operable windows and external vents/finishes clearly labelled.		
2 1 6 Doom Lav	youts and Elevations of all Typical Rooms	0	1/20		х	х	Acad	Operative windows and externar verticalismanes steamy advances. Room names in line with HFG nomenclature Room sames in line with HFG nomenclature	\Box	Ιп
3.1.0 Kooiii Layo	yours and Elevations of all Typical Rooms	7	1/50		^	^	Acau	Noom number and Metric Floor Area	\Box	
			1750					Notes in tentile and wear. How were	-	
								Uniterations (uerween wals) Dimensions for door openings (clear opening)	\Box	
								Uniterations to uour openings (uear opening) All fixtures, fiftings, joinery, sanitary fittings and equipment		
								Where sinks and basins are shown, visually identify which are for clinical use, for disposal of body fluids, for cleaning and for hand washing	\mathbf{H}	
								Where sinks and dashis are shown, visually bentuly which are for chirical use, for disposal or dody holds, for cleaning and for hard washing All floor wastes and shower drains, including floor falls	\mathbf{H}	
								All MEP outlets (electrical, data, gas) Reference indicating where this room is located on the 1:100 drawings	\mathbf{I}	
2 1 7 December	to and Floredises of all Mars Trained	9	1/20				A		-	
Critical Roo	youts and Elevations of all Non-Typical	9	1/50		Х	Х	Acad	As above	-	
CHICALRO	DOMS		1/50						ш	
3.2 Drawings D	Documentation									
•										
No Item		Part	Scale	T/S	Hard copy	PDF		Showing		
3.2.1 Site Plan		10	1/500		х	х	Acad	Ground floor layout of the facility with overhanging roofs and canopies dashed		
			1/1000					On grade car parking, including traffic directions and markings. Indicate the numbers of each type of car park - standard, accessible, accessible, accessible van etc.		
								On grade accessible car parking and their accessible routes to entrances identified		
								Pedestrian crossings and walkways		
								Loading bays with clean/dirty separation shown		
								Landscaped areas		
								Access points to public transport		
								Vehicle and pedestrian ramps		
								Externals steps and stairs		
								Ambulance access and parking (this includes all details such as clear height, distance behind the ambulance etc.)		
								Drop-off zones		
								Helipads		
								North arrow		
								Site boundary		
								Surrounding streets and access points		
								Total land area, ground floor footprint area and total building area	ш	
3.2.2 Accessibilit	ility Floor Plans	11	1/100		Х	Х	Acad	Visualize (hatch, color) all accessible routes and facilities and joinery items along these routes, including and not limited to the list under 2.2.3	ш	
								Provide call outs for each item and document at an appropriate scale as mentioned under item 2.2.3	ш	
	nt all Accessible Items:	11			Х	Х	Acad	Ensure compliance with all applicable ADA clauses is documented, including but not limited to the items below	ш	
	ger loading zones							Slope, levels, clear width, length	ш	
* Kerb Ram	imps							Slope, levels, clear width, length	ш	
* Ramps								Slope, levels, clear width, length, handrail details		
* Stairs								Slope, levels, clear width, length, handrail details	ш	
* Lifts								Internal size of all lift cages deemed to be accessible	ш	
								Internal size of all lift cages deemed to be for bed transport		
								Internal size of all lift cages deemed to be for maintenance/goods		
								Clear door opening (width/height)		
								Height, details of call buttons (inside and outside lift cabin) and handrails		
* Toilets, E	Ensuites, Bathrooms, Changing Rooms							Door swings and clear openings		
								Internal dimensions and accessible circle		
								Location and size of fittings and fixtures		
								Wheelchair square showing door approach		
								Toilet and grab bar positioning		
								Floor falls		
1								Shower seats		
* Accessibl	ble patient rooms and ensuites							Plans, elevations, sections etc., as required		

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3.2 Drawings Documentation (Continued)					ī	
					1	
No Item	Part Scale	e T/S Hard copy	y PDF	Soft copy Showing		,
* Public Phones, Drinking Fountains etc.				Plans, elevalions, sections etc., as required		
* Water Coolers, ATMs , Vending Machines etc.				Plans, elevations, sections etc., as required		
* Wall Protection and Handrail Strategy	11	х	х	Acad Typical section of corridor approach in all public corridors		
* Approach with regards to the Hearing Impaired				Details as required		
* Approach with regards to the Visibly Impaired				Details as required	↓ 	╢┍
3.2.4 Number of Accessible Facilities	11	х	Х	Diagram documenting the number of accessible facilities, as per ADA 2010 section 223		
4. Structural Reports, Schedules and Calculation	S				I	
4.1 Structural Reports						
No Item	Part Scale		y PDF	Soft copy Showing]	
4.1.1 Structural Report	12 A4		Х	Explain Design Intent		
4.1.2 Structural Calculations	12 A4	х	Х			
4.1.3 Structural Specifications	Ш_		↓		┦┞	IJ L
5. Structural Drawings					I	
5.1 Structural and Health Planning Drawings					I	
No Item	Part Scale	e T/S Hard copy	y PDF	Soft copy Showing	1	
5.1.1 Foundation Plans	1/100		X	Levels, foolings, metric dimensions, notes, cross references		
5.1.2 Floor Plans, including columns, slabs, sheer walls	1/100		х	Relative levels, metric dimensions, notes, cross references, reinforcement		
and set-downs		1 1	1		1 ['	·
5.1.3 Column Schedules	N/A	. х	Х	Concrete and steel column types, dimensions, descriptions		
5.1.4 Concrete Beam Profiles	1/20		х	Elevations, sections, metric dimensions, notes, cross references		
5.1.5 Concrete Cross Sections	1/20		х	Concrete junctions, typical and special conditions, metric dimensions and notes		
	1/10 1/5					
5.1.6 Concrete Details	Varie		х	Concrete junctions, typical and special conditions, metric dimensions and notes		
5.1.7 Structural Steel Drawings	Varie		х	Plans, sections, elevations, notes and metric dimensions	1	
5.1.8 Structural Steel Details	Varie	s x	х	Typical and special details, junctions, connections, notes and metric dimensions		
5.1.9 Structural Steel Schedules	Varie	s x	х	Column, purlin, rafter or other schedules		
5.1.10 Miscellaneous Details	Varie	S X	Х	Lintels, stabilizers, fasteners, slip joints and similar details, notes and metric dimensions		
6. Engineering Reports, Schedules and Calculati	ons				I	
6.1 Engineering Reports and Specifications					I	
No Item	Part Size	T/S Hard copy	y PDF	Soft copy Comments	1	
6.1.1 MEP Design Report	16 A4		х		1 -	
· .		х		Explain Design intent		
		х	^	Explain Design Intent Parameters and consideration		
		х	^			
6.1.2 Fire Strategy Report	16 A4		x	Parameters and consideration		
6.1.2 Fire Strategy Report 6.1.3 MEP Technical Specifications		x		Parameters and consideration Design criteria		
	16 A4	X X	х	Parameters and consideration Design criteria		
6.1.3 MEP Technical Specifications	16 A4 16 A4	X X	X X	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD		
6.13 MEP Technical Specifications 6.1.4 Acoustic Report 6.2 Engineering Calculations	16 A4 16 A4 16 A4	x x x	x x x	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG		
6.13 MEP Technical Specifications 6.14 Acoustic Report 6.2 Engineering Calculations No Item	16 A4 16 A4 16 A4 Part Size	X X X X X	x x x x	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG Soft copy Comments		
6.1.3 MEP Technical Specifications 6.1.4 Acoustic Report 6.2 Engineering Calculations No Item 6.2.1 HVAC Heat Load	16 A4 16 A4 16 A4 16 A4 16 A4	X X X X	x x x x	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG Soft copy Comments Compilance to Approved/Recommended Code and Guidelines		
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6.13 MEP Technical Specifications 6.14 Acoustic Report 6.2 Engineering Calculations No Item 6.21 HVAC Heat Load 6.22 Water Demand, Boiler and Calorifier Sizing 6.23 Major HVAC and Public Health Pump/Equipment Sizing (Hydraulic: 6.24 LP Gas Load 6.25 Fire Services 6.26 Electrical Power and Lighting 7. Engineering Drawings No Item 7.1.1 HVAC Equipment Schedules	16	X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG Soft copy Comments Compliance to Approved/Recommended Code and Guidelines Compliance to Approved/Recommended Code and Guid		
6.1.3 MEP Technical Specifications 6.1.4 Acoustic Report 6.2 Engineering Calculations No Item 6.2.1 HVAC Heat Load 6.2.2 Water Demand, Boiler and Calorifier Sizing 6.2.3 Major HVAC and Public Health Pump/Equipment Sizing (Hydraulic: 6.2.4 LP Gas Load 6.2.5 Fire Services 6.2.6 Electrical Power and Lighting 7. Engineering Drawings No Item	16	X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG Soft copy Comments Compliance to Approved/Recommended Code and Guidelines Compliance to Approved/Recommended Code and Guid		
6.1.3 MEP Technical Specifications 6.1.4 Acoustic Report 6.2 Engineering Calculations No Item 6.2.1 HVAC Heat Load 6.2.2 Water Demand, Boiler and Calorifier Sizing 6.2.3 Major HVAC and Public Health Pump/Equipment Sizing (Hydraulic: 6.2.4 LP Gas Load 6.2.5 Fire Services 6.2.6 Electrical Power and Lighting 7. Engineering Drawings No Item 7.1.1 HVAC Equipment Schedules	16	X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG Soft copy Comments Compliance to Approved/Recommended Code and Guidelines - Fire Water Reserve, Fire Pump Capacity, Gas Fire Suppression Capacity etc. Compliance to Approved/Recommended Code and Guidelines Soft copy Comments Acad Equipment Localions Detailed Equipment Capacity (Flow Rate, Power, Voltage, Frequency, Head etc.) Acad Equipment and Duct/Pipe Description and Tags (Abbreviation) Detailed Duct Routing and Sizes		
6.1.3 MEP Technical Specifications 6.1.4 Acoustic Report 6.2 Engineering Calculations No Item 6.2.1 HVAC Heat Load 6.2.2 Water Demand, Boiler and Calorifier Sizing 6.2.3 Major HVAC and Public Health Pump/Equipment Sizing (Hydraulic: 6.2.4 LP Gas Load 6.2.5 Fire Services 6.2.6 Electrical Power and Lighting 7. Engineering Drawings No Item 7.1.1 HVAC Design Drawings	16	X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG Soft copy Comments Compliance to Approved/Recommended Code and Guidelines Soft copy Comments Acad Equipment Locations Detailed Equipment Capacity (Flow Rate, Power, Voltage, Frequency, Head etc.) Equipment Locations Detailed Equipment Capacity (Flow Rate, Power, Voltage, Frequency, Head etc.) Equipment Locations Detailed Equipment Routing and Sizes Pining Routes and Sizes Pining Routes and Sizes		
6.1.3 MEP Technical Specifications 6.1.4 Acoustic Report 6.2 Engineering Calculations No Item 6.2.1 HVAC Heat Load 6.2.2 Water Demand, Boiler and Calorifier Sizing 6.2.3 Major HVAC and Public Health Pump/Equipment Sizing (Hydraulic: 6.2.4 LP Gas Load 6.2.5 Fire Services 6.2.6 Electrical Power and Lighting 7. Engineering Drawings No Item 7.1.1 HVAC Equipment Schedules	16	X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG Soft copy Comments Compliance to Approved/Recommended Code and Guidelines - Fire Water Reserve, Fire Pump Capacity, Gas Fire Suppression Capacity etc. Compliance to Approved/Recommended Code and Guidelines Soft copy Comments Acad Equipment Localions Detailed Equipment Capacity (Flow Rate, Power, Voltage, Frequency, Head etc.) Acad Equipment and Duct/Pipe Description and Tags (Abbreviation) Detailed Duct Routing and Sizes		
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6.1.3 MEP Technical Specifications 6.1.4 Acoustic Report 6.2 Engineering Calculations No Item 6.2.1 HYAC Heat Load 6.2.2 Water Demand, Boiler and Cabrifier Sizing 6.2.3 Major HYAC and Public Health Pump/Equipment Sizing (Hydraulic: 6.2.4 LP Gas Load 6.2.5 Fire Services 6.2.6 Electrical Power and Lighting 7. Engineering Drawings No Item 7.1.1 HYAC Design Drawings No Item 7.1.2 HYAC System Riser Diagrams	16	T/S Hard copy x x x x x x x x x x x x x	y PDF X X X X X X X X X X X X X X X X X X X	Parameters and consideration Design criteria Fire strategy and recommendation by Fire Consultant, Licensed house of Expertise by ADCD Signed report by independent Acoustic Engineer to confirm compliance with the HFG Soft copy Comments Compliance to Approved/Recommended Code and Guidelines Compliance to Approved/Recommended Code and Guid		

7.1.5	HVAC Machine Rooms Plans and Sections HVAC Main Shaft Sections, Major Crossovers HVAC Standard Details, Symbols, Legends and Abbreviations	17 17 17	1/20 1/50 1/50 1/20 1/50 1/20 1/50 NTS		x	x	Acad Acad Acad	Oplimized Duct and Pipes Routing Major Valves, Dampers, Controls, Meters etc. Coordinated Equipment Location Legends, Symbol and Abbreviations Room/Shaft Description and Leveis Metric Dimensions of Clear Ceiling Heights Double Line Plan and Section Equipment Description, Tags (Abbreviation), Capacity Metric Dimensions of Duct and Pipes Sizes Area/Room Identification Metric Dimensions of Duct and Pipes Sizes Area/Room Identification Metric Dimensions of Out and Pipes Sizes Area/Room Identification Metric Dimensions of Clear Ceiling Heights Double Line Plan and Section Area/Room Identification Equipment Equipment Standard Control Assembly Standard Valve Assembly Standard Valve Assembly Standard FU, AHU, FAHU, FANS Assembly Standard Seeve and Lagging Details Standard Metric Bases Standard Hertin Bases Standard Hertin Bases Standard Hertin Bases Standard Office Islands Islands Standard Connection Details Islands Standard Connection Details Islands Standard Office Islands Islands Standard Office Islands Islands Standard Office Islands Islands Standard Office Islands Islands Islands Standard Office Islands		
								Standard Louvre and Damper Mounting Details HVAC Symbol and Abbreviations		
7.1 HV/	AC Design Drawings - continued			_			_			
	Item	Part	Size	T/S	Hard copy	PDF	Soft conv	Comments		
	Building Management System Diagrams	17	NTS	1/3	Х	X	Acad	BMS Interface to Mechanical Equipment		
								Signal/Alarm Monitor and Control Philosophy		
7.1.8	Major HVAC Sequence of Operations	17			Х	Х	Acad	Major Equipment, Valves and Control Sequence of Operation		
7.2 Pub	olic Health Design Drawings (Plumbing, LPG an	d Dra	ainage)							
	Item	Part		T/S	Hard copy		Soft copy	Comments		
7.2.1	Public Health Equipment, Manhole Schedules and Pipe Schedules	18	NTS		Х	Х	Acad	Equipment and Tanks Description and Tags (Abbreviation) Equipment and Tanks Locations		
								Water Tank and Boiler/Calorifier Capacity Detailed Equipment Capacity (Flow Rate, Power, Voltage, Frequency, Head etc.)		
								Manhole Schedule showing Cover Levels and Invert Levels		
7.2.2	Public Health System Riser Diagrams including	18	NTS		Х	х	Acad	Nominal Size to be used for Water Supply Pipes. Equivalent Commercial Pipe Schedule to be Shown Equipment and Pipe Description and Tags (Abbreviation)		
	Treatment/Filtration and Solar Heating (If any)							Optimized Pipe Routing and Sizes Major Valves, Controls, Meters, WHA etc.		
								Detailed Equipment Quantities (Pumps, Tanks, Boilers, Heaters, Interceptors, Treatment System) as per Design Drawings		
								Bathroom Group Water Supply and Drainage Connection Detailed Schematic Showing Fixture Connections Riser Numbers (Description)		
7.2.3	Public Health System Design Plan Drawings	18	1/100		Х	Х	Acad	Key Plan Metric Dimensions of Pipes Sizes		
								Equipment Description, Tags (Abbreviation), Capacity		
								Pipe Routing and Sizes Detailed Valves, Controls, Meters, Flexible Connectors, Drains, Manholes, SGT, Interceptor etc.		
								Coordinated Equipment/Plant Room Location		
								Legends, Symbol and Abbreviations Pipe Slopes and Invert Levels		
7.2.4	Public Health Major Pump Room Plans and Sections	18	1/20 1/50		Х	Х	Acad	Metric Dimensions of Clear Ceiling Heights Double Line Plan and Section		
								Equipment Description, Tags (Abbreviation), Capacity Metric Dimensions of Pipes Sizes		
								Area/Room Identification		
	Public Health Major Shaft Sections and Wet Area Blow Up Plans	18	1/20 1/50		Х	Х	Acad	Metric Dimensions of Clear Ceiling Heights Area/Room Identification	\mathbb{H}	
	•							Blow Up for Typical Wet Areas (Toilet, Wash Room, Kitchen etc.) Detailed Pipe Sizes, Valves, Slopes etc.		
7.2.6	Public Health Standard Details, Symbols, Legends	18	1/20		Х	Х	Acad	With Dimension		
	and Abbreviations		1/50 NTS					Standard Control Assembly Standard Valve Assembly		
								Standard Pump, Heater, Tanks Connections Assembly Standard Sleeve and Lagging Details		
								Standard Inertia Bases		
								Standard Support, Hangers and Brackets details Standard HEX Installation Detail	\mathbb{H}	
								Standard Connection Details to Major Equipment and Sanitary Wares Standard Pipe Penetration Details		
								Standard Pump Pit (Submersible) details		
								Standard Drains and Manhole Installation details Public Health Symbol and Abbreviations		
7.2.7	Major Public Health Sequence of Operations	18			Х	Х	Acad	Major Equipment, Valves and Control Sequence of Operation for Water Cooling		
			<u> </u>	1			1	Major Equipment, Valves and Control Sequence of Operation for Solar Water Heating (If any)		

No Item	Part	Size	T/S	Hard copy	PDF	Soft con-	Comments		
3.1 Fire Fighting Equipment Schedules	19		1/3	Х	X	Acad	Comments Equipment and Tanks Description and Tags (Abbreviation)		ا ٦
io. The Fighting Equipment outleades	''	1110		^	^	71000	Equipment and Tanks Locations		4 1
							Fire Water Tank Capacity		4 1
							The Water Lain Capacity [Detailed Equipment Capacity (Flow Rate, Power, Voltage, Frequency, Head etc.)		4
3.2 Fire Fighting System Riser Diagrams	19	NTS	-	х	Х	Acad	Equipment and Pipe Description and Tags (Abbreviation) Equipment and Pipe Description and Tags (Abbreviation)		4
3.2 File Fighting System Riser Diagrams	17	NIS		^	^	Acau	Equipment and in pie besolution and in agricultural registration () Detailed five Routing and Sizes Detailed five Routing and Sizes		4
							Detailed riper Noting and Suzzas Major Valves, Controls, FHC, FHR, Hydrants etc.		47
							Inagion varies, Controls, First, First, Programs etc Detailed Equipment Quantities (Pumps, tanks, FHC, Hydrants) following Design Drawings		4
2.2 Fire Fielding Control Design Design	19	1/100				Annal			4
3.3 Fire Fighting System Design Drawings	19	1/100		Х	Х	Acad	Key Plan Sprinkler Zoning Key Plan (applicable for building exceeding 4831m³ floor area)		4
									4
							Metric Dimensions of Pipes Sizes		4
							Equipment Description, Tags (Abbreviation), Capacity		4
							Major Valves, Controls, Fire Extinguishers, FHC, Sprinklers, Gas Spray Nozzles etc.		_
							Coordinated Equipment/Pump, Breeching Inlet and Gas Suppression Cylinder (for Electrical and Communication Rooms) Location		1
							Legends, Symbol and Abbreviations		J
Fire Fighting Design Drawings - continued									П
No Item	Part	Size	T/S	Hard copy	PDF	Soft copy	Comments		
3.4 Fire Fighting Major Pump Room Plans and Sections	19	1/20		Х	Х	Acad	Metric Dimensions of Clear Ceiling Heights		1
		1/50	1				Double Line Plan and Section		1
							Equipment Description, Tags (Abbreviation), Capacity		1
							Metric Dimensions of Pipes Sizes		1
							Area/Room Identification		+
7.3.5 Fire Fighting Major Shaft Sections and Blow Up	19	1/20		Х	Х	Acad	Metric Dimensions of Clear Celling Heights		+
Plans		1/50		^		71000	Area/Room Identification		4
i idii 5		1700					Detailed Pipe Sizes, Valves etc.		+
		<u> </u>	1	<u> </u>			because i the amond states one:	-	4
Medical Gas Design Drawings									
No Item	Part		T/S	Hard copy	PDF		Comments		
7.4.1 Medical Gas Equipment Schedules	20	NTS		Х	Х	Acad	Medical Equipment and Cylinder Description and Tags (Abbreviation)		
							Medical Equipment and Cylinder Locations		1
							Optimized Medical Equipment Capacity (Flow Rate, Power, Voltage, Frequency, Head etc.)		1
7.4.2 Medical Gas System Riser Diagrams	20	NTS		Х	Х	Acad	Equipment and Pipe Description and Tags (Abbreviation)		1
							Pipe Routing and Sizes		1
							Major Valves, Controls, Alarms, Terminal Units, Remote Switch, Alarm Switch etc.		1
							Exact Equipment Quantities (Gas Cylinders, Vacuum etc.) as per Design Drawings		1
7.4.3 Medical Gas System Design Plan Drawings	20	1/100		Х	Х	Acad	Key Plan		1
, , ,							Ga's Zoning Key Plan		1
							Number and Description of Outlets		1
							Metric Dimensions of Pipes Sizes		+
							Equipment Description, Tags (Abbreviation), Capacity		+
							Combined Medical Gas Pipe Routing		4
							Major Valves, Controls, Alarms, Terminal Units, Remote Switch, Alarm Switch etc.		4
							major varies, comings, kalinis, l'eminar orinis, kennoe siviculi, kalini sivici etc Coordinated Medical Equipment/Pump Room Location Coordinated Medical Equipment/Pump Room Location		4
							Cooluntateu weruun. Eugupirein runn prooni Locationi Legends, Symbol and Abbreviations		4
.4.4 Medical Gas Major Pump Room Plans and Sections	20	1/20			v	Acad	Legenus, symuo atu vuorevauori Metric Dimensions of Clear Ceiling heights		4
.4.4 Ivieutcai Gas iviajoi Pullip Rootii Piatis aliu Sections	20	1/50		Х	Х	Acau	Internations or Gear Centing (regins) Double Line Plan and Section On the Centing Cen		4
		1/50							4
							Equipment Description, Tags (Abbreviation), Capacity		4
							Metric Dimensions of Pipes sizes		4
							Area/Room Identification		4
7.4.5 Medical Gas Major Shaft Sections and Blow Up	20		1	Х	Х	Acad	Metric Dimensions of Clear Ceiling Heights		1
Plans		1/50	1				Area/Room Identification		1
							Blow Up for Typical Rooms		1
.4.6 Medical Gas Standard Details, Symbols, Legends	20	1/20	1	Х	Х	Acad	With Dimension		П
and Abbreviations		1/50	1				Standard Control Assembly		
		NTS					Standard Valve Service Installation Detail		П
		1					Standard Terminal Unit Installation Detail		П
		1					Standard Sleeve Details		1
			1				Standard Inertia Bases		1
		1					Standard Support, Hangers and Brackets Details		1
			1				Standard Remote and Alarm Switch Installation Detail		1
							Standard Connection Details to Major Medical Equipment		1
							Standard Pipe Penetration Details		1
		1	1				Medical Gas Symbol, Legends and Abbreviations		1
.4.7 Major Medical Gas Sequence of Operations	20	N/A		x	x	Acad	Sequence of Operation for Medical Gas Supply Change-Over		10

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.5 Electrical Power Design Drawings								
No Item	Part	Size	T/S	Hard copy	PDF	Soft copy	Comments	
7.5.1 Electrical Load Schedules	21	NTS		Х	Х	Acad	MDB, SMDB and DB Schedules	
							Cable Sizing Calculations	
							Voltage Drop Calculations	
7.5.2 Power Riser Diagrams	21	NTS		Х	Х	Acad	MDBs, SMDBs, DBs and Cables/Busbars Description and Tags (Abbreviation)	
							All Cables, Busbar and Breaker Sizes	
							MCCs and Control Panel Descriptions	
							Earthing Details	
7500 0 1 0 1 0 1	04	4/400				A I	Generator Power Details	\square
7.5.3 Power System Design Drawings	21	1/100		Х	Х	Acad	Key Plan	
							Locations of all MDBs, SMDBs, DBs, MCCs etc. Equipment Description, Tags (Abbreviation), Capacity	$I \vdash \vdash$
							Lequinient Description, ready enurerization, Capacity Detailled Cables and Busbar Routing Detailed Cables and Busbar Routing	
							Details of Transformer Room, Generator Room, LV Room etc.	$I \vdash \vdash$
							Coordinated Equipment Location	
							Locations of all Small Power Outlets and its Circuiting	
							Legends, Symbol and Abbreviations	
							Earth Pit Locations	
Electrical Power Design Drawings - continued								
No Item	Part		T/S	Hard copy	PDF		Comments	
7.5.4 Major Electrical Plant Rooms Plans and Sections	21			Х	Х	Acad	Room/Shaft Description and Levels	
		1/50					Metric Dimensions of Clear Ceiling Heights	
		1	1				Equipment Description, Tags (Abbreviation), Capacity	
							Metric Dimensions of Cables and Busbar Sizes	
							Area/Room Identification	
7.5.5 Power Major Shaft Sections, Major Crossovers	21			Х	Х	Acad	Metric Dimensions of Clear Ceiling Heights	
and Major Blow Up Plans		1/50					Double Line Plan and Section	\square
75 (0	04	4/00				A I	Area/Room Identification	\square
7.5.6 Power Standard Details, Symbols, Legends and Abbreviations	21	1/20 1/50		Х	Х	Acad	With Dimension Power Symbol and Abbreviations	\square
and Addreviations		NTS					Power symbol and addreviations Typical Earth Pil Details Typical Tearth Pil Details	$I \vdash \vdash$
		INIO					Typical cannin to beans Cable Tray Betails Cable Tray Betails	$I \vdash \vdash$
							Cauter Ingly Details Standard Mounting Height for Electrical Accessories	\mathbf{I}
							Danium www.ming fregin to Liectina necessities	
6 Electrical Lighting Design Drawings								
No Item	Part	Size	T/S	Hard copy	PDF	Soft copy	Comments	
7.6.1 Lighting Schedules	22	NTS		Х	Х		Light Fixture Schedules	
							Lux Level Calculations	
							Lighting Control Philosophy	
7.6.2 Emergency Lighting Schematic Diagrams	22	NTS		Х	Х	Acad	Central Battery Description, Panel Schedule, Locations, Tags (Abbreviation)	
							Central Battery System Load Calculation	
							All Cable Sizes	ш
7.6.3 Emergency Lighting Design Drawings	22	NTS		Х	Х	Acad	Key Plan	ш
							Emergency Light Fixture Description, Tags (Abbreviation)	
							Coordinated Equipment Location	
							Legends, Symbol and Abbreviations	
				Х	Х	Acad	With Dimension	
7.6.4 Lighting Standard Details, Symbols, Legends	22	1/50					Lighting Symbol and Abbreviations	
7.6.4 Lighting Standard Details, Symbols, Legends and Abbreviations	22	NTS					Light Fixture Circuiting and its Control System	
	22	1413					Lighting Fixture Installations	
and Abbreviations								
and Abbreviations 7 Electrical - ELV Design Drawings			T/S	Hard copy	PDF	Soft conv	Comments	
and Abbreviations 7 Electrical - ELV Design Drawings No litem	Part	Size	T/S	Hard copy	PDF X		Comments CCTV System Drawings	
and Abbreviations 7 Electrical - ELV Design Drawings		Size	T/S				Cornwents CCTV System Drawings Access Control System Drawings	
and Abbreviations 7 Electrical - ELV Design Drawings No litem	Part	Size	T/S				CCTV System Drawings	H
and Abbreviations 7 Electrical - ELV Design Drawings No Item	Part	Size	T/S				CCTV System Drawings Access Control System Drawings	
and Abbreviations 7 Electrical - ELV Design Drawings No Item 7.7.1 ELV Riser Diagrams	Part 23	Size	T/S			Acad	CCTV System Drawings Access Control System Drawings Master Clock System Drawings SMATV/CATV System Drawings	
and Abbreviations 7 Electrical - ELV Design Drawings No Item 7.7.1 ELV Riser Diagrams	Part 23	Size NTS	T/S	Х	Х	Acad	CCTV System Drawings Access Control System Drawings Master Clock System Drawings	
and Abbreviations 7 Electrical - ELV Design Drawings No Item 7.7.1 ELV Riser Diagrams	Part 23	Size NTS	T/S	Х	Х	Acad	CCTV System Drawings Access Control System Drawings Master Clock System Drawings SMATV/CATV System Drawings SMATV/CATV System Drawings Key Plan Localions of all CCTV Cameras, Door Locks, Call Points etc. Equipment Description, Tags (Abbreviation), Capacity	
and Abbreviations 7 Electrical - ELV Design Drawings No litem	Part 23	Size NTS	T/S	Х	Х	Acad	CCTV System Drawings Access Control System Drawings Master Clock System Drawings SMATVICATV System Drawings Key Plan Localions of all CCTV Cameras, Door Locks, Call Points etc. Equipment Description, Tags (Abbreviation), Capacity Coordinated Equipment Location	
and Abbreviations 7 Electrical - ELV Design Drawings No Item 7.7.1 ELV Riser Diagrams 7.7.2 ELV System Design Drawings	Part 23 23	Size NTS	T/S	Х	Х	Acad	CCTV System Drawings Access Control System Drawings Master Clock System Drawings Master Clock System Drawings SMATVCATV System Drawings Key Plan Locations of all CCTV Cameras, Door Locks, Call Points etc. Equipment Description, Tags (Abbreviation), Capacity Coordinated Equipment Location Legends, Symbol and Abbreviations	
and Abbreviations 7. Electrical - ELV Design Drawings No Item 7.7.1 ELV Riser Diagrams 7.7.2 ELV System Design Drawings 7.7.3 ELV Standard Details, Symbols, Legends	Part 23	Size NTS	T/S	Х	Х	Acad	CCTV System Drawings Access Control System Drawings Master Clock System Drawings SMA TVICATV System Drawings SMA TVICATV System Drawings Exp Plan Locations of all CCTV Cameras, Door Locks, Call Points etc. Equipment Description, Tags (Abbreviation), Capacity Coordinated Equipment Location Legends, Symbol and Abbreviations	
and Abbreviations 7 Electrical - ELV Design Drawings No Item 7.7.1 ELV Riser Diagrams 7.7.2 ELV System Design Drawings	Part 23 23	Size NTS	T/S	x	х	Acad	CCTV System Drawings Access Control System Drawings Master Clock System Drawings Master Clock System Drawings SMATVCATV System Drawings Key Plan Locations of all CCTV Cameras, Door Locks, Call Points etc. Equipment Description, Tags (Abbreviation), Capacity Coordinated Equipment Location Legends, Symbol and Abbreviations	

7.8 Telecommunication Design Drawings									
7.8 relecommunication besign brawings									
No Item	Part	t Size	T/S	Hard copy	PDF	Soft copy	Comments		
7.8.1 Telecom Riser Diagrams	24	NTS		Х	Х	Acad	Structured Cabling Details with Telecom Room Details (sizes and locations)		
							All Cables Sizes Equipment Description and Tags (Abbreviation)		
7.8.2 Telecom System Design Drawings	24	1/100		х	Х	Acad	Equipment description and rags (Adoreviation) Key Plan From The Company of the	-	
7.0.2 Tolodon System Bosign Brannings		11100		_ ^		71000	Locations of all Telephone Outlets, Data Outlets etc.		
							Equipment Description, Tags (Abbreviation), Capacity		
							Coordinated Equipment Location		
							Legends, Symbol and Abbreviations	ш	
7.9 Fire Alarm (FA) and Voice Evacuation (VE) Design	n Draw	vings							
No Item	Part	t Size	T/S	Hard copy	PDF	Soft conv	Comments		
7.9.1 FA and VE Riser Diagrams	25		110	Х	X	Acad	Detectors, Sounders and Speakers Description and Tags (Abbreviation)		
							All Cables Sizes		
70054 1450 1 0 1	0.5	4/400					Control Panel Details and Locations		/ <u></u>
7.9.2 FA and VE System Design Drawings	25	1/100		х	Х	Acad	Key Plan Locations of all Detectors, Sounders, Speakers, Control Panels etc.	-	
							Locations of an Description, 3 Southerds, 3 September 3 Continuity of a resident of the Section	-	
							Coordinated Equipment Location		
							Legends, Symbol and Abbreviations		
7.9 Fire Alarm (FA) and Voice Evacuation (VE) Design	n Draw	vinas - c	ontinuo	d					
<u> </u>	I DIAN	virigs - c	Ontinuc	<u> </u>					
No Item	Part		T/S	Hard copy			Comments		
7.9.3 FA and VE Standard Details, Symbols, Legends and Abbreviations	25	1/20 1/50		Х	Х	Acad	With Dimension FA and VE Symbol and Abbreviations		
and Appleviations		NTS					r A ato ve 3 yilloo ato Abbreviations Typical Mounting Detail for Detectors Topical Wounting Detail for Detectors		
		1413					Typical Mounting Detail for Manual Pull Station		
							Typical Mounting Detail Sounder/Flashers		
7.10 Lightning Protection Design Drawings									
Nolltem	Part	t Size	T/S	Hard copy	PDF	Soft conv	Comments		
7.10.1 Lightning Protection Riser Diagrams	26		1/3	X X	Х	Acad	Down Conductor Details		
							Conductor Sizing and Routing		
7.10.2 Lightning Protection System Design Drawings	26	1/100		Х	х	Acad	Key Plan		
							Locations of all Strike Pads, Copper Tape, Lightning Rods etc. Equipment Description, Tags (Abbreviation), Capacity		
							Equipment Description, rags velocitation), capacity Coordinated Equipment Location Coordinated Equipment Location Coordinated Equipment Location		
							Legends, Symbol and Abbreviations		
							Earth Pit Locations		
7.10.3 Lightning Protection Standard Details, Symbols,	26			Х	х	Acad	With Dimension		
Legends and Abbreviations		1/50 NTS					Lightning Protection Symbol and Abbreviations Down Conductor Detail for Curtain Wall Building		
		NIS					Typical Earth Pit Detail	-	
							Typical Earth Bar Detail		
7.11 Nurse Call									
No Item 7.11.1 Nurse Call Systems Schematic Diagram	Part 27		T/S	Hard copy			Comments States of Comments with Descriptions and Leastings		
7.11.1 INUISE CAII SYSIEMS SCHEMAUC DIAGRAM	21	INIO		х	Х	Acad	System's Components with Descriptions and Locations Power Requirement Details		
							r over requirement persons Interfacing without Psystems - Details Interfacing without Psystems - Details	\square	
							Specific Requirements, if any		
7.11.2 Nurse Call System Design Drawings	27	1/100		Х	Х	Acad	Key Plan		
							Locations of Switching/ Coordinated Equipment Locations		
							Power Requirements/ Interfacing Details Equipment Description, Tags (Abbreviation), Capacity		
							Equipment Descripment (a Equipment Location) Coordinated Equipment Location Coordinated Equipment Location	-	
							Legends, Symbol and Abbreviations		
	•								

pliance Declaration		L
	ssion and confirm the Submission is complete and matches SHCC's requirements as set out above. We also confirm the design is in compliance with the Standards and Guidelines. Where compliance with the Submission was not achieved, these non-compliances were listed in the Non-Compliance Reports (item 1.8 and 1.9).	
standards and Guidelines for the Detailed Submission:	Health Facility Guidelines - Part A to E	
national and Guidelines for the Detailed Submission.	Americans with Disabilities Act 1994 (relevant sections)	
	Civil Defence Authority Manual UAE	
	National Fire Protection Association 99	
	ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) - Inc. HVAC Design Handbook	
	SMACNA (Sheet Metal and Air Conditioning Contractors' National Association) - Design Handbook	
	DW 144 - Specification for Sheet Metal Ductwork	
	DW 171 - Slandard for Kilchen Ventilation Systems	
	ARI (Air-Conditioning and Refrigeration Institute) CIBSE (Chartered Institution of Building Services Engineers)	
	Classe: Cutaneted institution of staturing Services. Engineers) IOP (institute of Plumbing). Plumbing Engineering Services Design Guide	
	ASPE (American Society of Plumbing Engineers) Design handbook	
	IPC (International Plumbing Code)	
	AWWA (American Water Works Association)	
	ASTM (American Society for Testing and Materials)	
	NFPA (National Fire Protection Association)	
	UL (Underwriters' Laboratories, Inc.) HTM 02 (Health Technical Memorandum 02) Medical Gas Design Guide - Part 1 and 2	
	H in Uz (Healin Hechical Methodatioum Uz) Medical Gas Design Guide - Part 1 and 2 RSB (Regulation and Supervision Bureau)	
	NDC (Negulation and Super Value) duried by NDC (NDC) (
	ADCD Fire Code and Latest Circulars and Memorandums	
	ADWEA (Sharjah Water and Electricity Authority) Guidelines	
	ADSSC (Sharjah Sewerage Services Company) Guidelines	
	Wiring Regulations for Electrical Installations (IEE 17th Edition), published by the Institution of Engineering and Technology (BS 7671)	
	CIBSE Design Guides A, D, E, F, H, K and L	
	BS 5266 and NFPA 70 - Emergency Lighting	
	BS 5839(p8) - Voice Alarm System in Buildings	
	BS 5839(p8) - Voice Alarm System in Buildings BSEN 60849 - Sound Systems For Emergency Purposes	
	BS 5839(p8) - Voice Alarm System in Buildings BSEN 60849 - Sound Systems For Emergency Purposes BS EN62305:2006 - Protection of Structures Against Lightning	
	BS 5839(p8) - Voice Alarm System in Buildings BSEN 60849 - Sound Systems For Emergency Purposes	
	BS 5839(p8) - Voice Alarm System in Buildings BSEN 60849 - Sound Systems For Emergency Purposes BS EN62305:2006 - Protection of Structures Against Lightning BS 7430 and BS7671 – Earthing NFPA 72 – National Fire Alarm Code NFPA 101 – Life Safety Code	
Ve, the undersigned, further confirm the following desig	BS 5839(p8) - Voice Alarm System in Buildings BSEN 06849 - Sound Systems For Emergency Purposes BS ENG205205.006 - Protection of Structures Against Lightning BS 7430 and BS7671 - Earthing NFPA 72 - National Fire Alarm Code NFPA 101 - Life Safety Code n aspects were specifically verified against compilance with the Health Facility Guidelines. We confirm they are in compliance:	
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rchitect of Record:	BS 5839(p8) - Voice Alarm System in Buildings BSEN 60849 - Sound Systems For Emergency Purposes BS ENG205:2006 - Profection of Structures Against Lightning BS 7430 and BS7671 - Earthing NFPA 72 - National Fire Alarm Code NFPA 101 - Life Safety Code n aspects were specifically verified against compliance with the Health Facility Guidelines. We confirm they are in compliance: Infection Control Specifications of Finishes	
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6. Co	mpliance Declaration - continued			
	Engineer of Record:			
	Signed:	Organization: Prequalification Number: Name: Position: Date:		
	For SHCC office use only:			
	Signed:	SHCC confirms the Detailed Submission was received and verified. In terms of completeness and form	natting, the Submission was found to be:	
		Accepted (1)	Comments:	
		Accepted with comments (2)		
	Stamp:	Rejected with comments		
			Name SHCC Officer:	
			Date:	
		frame, as determined by SHCC.	the HFG, additional information may be requested to allow the process to continue. The Applicant is to provide this ion, SHCC may accept the Submission but will list a request for additional information. The Applicant is to provide to	