

2.0 Engineering Guidelines

SHCC will review the Engineering design in accordance with the following list of acceptable Guidelines:

Standards and Guidelines applying to the MEP Engineering Discipline	
1	SHCC Health Facility Guidelines – Part E
2	ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) – Inc. HVAC Design Handbook
3	SMACNA (Sheet Metal and Air Conditioning Contractors' National Association) – Design Handbook
4	DW 144 – Specification for Sheet Metal Ductwork
5	DW 171 – Standard for Kitchen Ventilation Systems
6	ARI (Air-Conditioning and Refrigeration Institute)
7	CIBSE (Chartered Institution of Building Services Engineers)
8	IOP (Institute of Plumbing) – Plumbing Engineering Services Design Guide
9	ASPE (American Society of Plumbing Engineers) Design Handbook
10	IPC (International Plumbing Code)
11	AWWA (American Water Works Association)
12	ASTM (American Society for Testing and Materials)
13	NFPA (National Fire Protection Association)
14	UL (Underwriters' Laboratories, Inc.)
15	HTM 02 (Health Technical Memorandum 02) Medical Gas Design Guide – Part 1 and 2
16	RSB (Regulation and Supervision Bureau)
17	UPC-AD (Uniform Plumbing Code of Abu Dhabi Emirate)
18	ADCD Fire Code and Latest Circulars and Memorandums
19	ADWEA (Abu Dhabi Water and Electricity Authority) Guidelines
20	ADSSC (Abu Dhabi Sewerage Services Company) Guidelines
21	Wiring Regulations for Electrical Installations (IEE 17 th Edition), published by the Institution of Engineering and Technology (BS 7671)
22	CIBSE Design Guides A, D, E, F, H, K and L

23	Wiring Regulations for Electrical Installations (IEE 17 th Edition), published by the Institution of Engineering and Technology (BS 7671)
24	BS 5266 and NFPA 70 – Emergency Lighting
25	BS 5839(p8) – Voice Alarm System in Buildings
26	BSEN 60849 – Sound Systems for Emergency Purposes
27	BS EN62305:2006 – Protection of Structures Against Lightning
28	BS 7430 and BS7671 – Earthing
29	NFPA 72 – National Fire Alarm Code
30	NFPA 101 – Life Safety Code