



CURRENT FACILITIES REQUIREMENTS

This document is modified from an ASHRAE standard Owner's Project Requirements document with the Current Facilities Requirements Appendix. It is intended to illustrate key elements of a CFR and is in no way a complete document. It should be customized to each individual facility and updated on an annual basis. If unique space types within a facility have differing facility requirements from others, sections may need to be repeated to address individual space type requirements.

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1. LEED O+M REQUIREMENTS

If pursuing LEED O+M Certification, the CFR document must include the following sections covered in additional portions of this document. This section is provided for the purpose of ensuring a CFR used for LEED O+M is complete.

- a current sequence of operations for the building;
- the project occupancy schedule;
- equipment run time schedules;
- · setpoints for all HVAC equipment;
- setpoints for lighting levels throughout the project;
- minimum outside air requirements;
- any changes in schedules or setpoints for different seasons, days of the week, and times of day;
- a systems narrative describing the mechanical and electrical systems and equipment in the project; and
- a preventive maintenance plan for equipment described in the systems narrative.

2. OCCUPANCY SCHEDULES

Freminiary Bunding Ose							
Average Hours / Week			Average Weeks / Year				
Average Number of Occupants During Normal Occupied Period							
		5					
After Hours Cleaning?	YES	NO					

Overall Building Schedule

Droliminory Building Hoo

Schedule during months of:

			MON	IUE	WED	THU	FKI	SAI	SUN	HUL
JAN	JUL	Hours Open:								
FEB	AUG	Hours Closed:								
MAR	SEP	Hours Gloseu.								
APR	OCT	Peak # of Occupants:								
MAY	NOV	Avg. # of Occupants								
JUN	DEC	when Open:								

Overall Building Schedule, Cont.

NOV

DEC

MAY

JUN

Schedule during months of:			MON	TUE	WED	THU	FRI	SAT	SUN	HOL
JAN	JUL	Hours Open:								
FEB	AUG	Hours Closed:								
MAR	SEP	Hours Closed.								
APR	OCT	Peak # of								

3. EQUIPMENT RUN TIME SCHEDULES

Occupants:

when Open:

Avg. # of Occupants

(OPTIONAL) Detailed Usage Schedule

Space Ty	pe:									
Schedule	during month	ns of:	MON	TUE	WED	THU	FRI	SAT	SUN	HOL
JAN	JUL	Hours Open:								
FEB	AUG	Hours Closed:								
MAR	SEP	nouis closed.								
APR	OCT	Peak # of Occupants:								
MAY	NOV	Avg. # of Occupants								
JUN	DEC	when Open:								
Schedule	during month	ns of:	MON	TUE	WED	THU	FRI	SAT	SUN	HOL
JAN	JUL	Hours Open:								
FEB	AUG									
MAR	SEP	Hours Closed:								
APR	OCT	Peak # of Occupants:								
MAY	NOV	Avg. # of Occupants								
JUN	DEC	when Open:								

4. HVAC EQUIPMENT SETPOINTS

Occupied Setpoints

	Cooling	Heating
Space:		
Building:		
Special Zone Setpoints:		
AHUDAT:		
Unoccupied Setb	ack	
	Cooling	Heating
Space:		
Building:		
Special Zone Setpoints:		
AHUDAT:		
Shutdown of:		
AHUs by Time Sched	lule:	
	e Schedule:	
Chillers:		
By Time Schedule:		
By Outside Air Tempe	erature:	-
Boilers:		
By Time Schedule:		
By Outside Air Tempe	erature:	



5. PROCEDURES

Facility Operating Procedures

For all normal, abnormal, and emergency modes of operation.

Operational Record-Keeping Procedures

A list of recommended operational record-keeping procedures at the facility level, including sample forms, trend logs, or others, and a rationale for each.



6. REQUIREMENTS

Minimum Outdoor Air Requirements

Identify requirements for Code and / or operational needs.

Seasonal Operating Changes

Identify requirements for Code and / or operational needs.

Lighting Level Setpoints

Identify requirements for Code and / or operational needs.



User / Occupant Requirements

Identify features or controllability necessary for the occupants of the space.

Owner - Directed Requirements

Identify other special considerations as directed by ownership.

Facility Specific Requirements

Identify special circumstances and / or operational needs impacting building systems.

Owner Training Requirements

Identify the skill / training levels required of facility staff.



Sustainability Requirements

Include specific performance goals and metrics as part of your Sustainability reporting goals.

Equipment & Systems Maintainability Requirements

Include details of systems and operational requirements.



Outsourced maintenance vs in-house.

Documentation Requirements

- Updated BoD (Basis of Design)
- Updated record drawings for the facility
- Updated record specifications
- Updated system and assemblies material and equipment lists with nameplate info, dates of installation, and submittals
- Updated O&M manuals, including all control systems documentation
- Most recent and original testing and balancing
- Existing start up reports of systems
- Previous Cx reports
- Updated training materials
- Updated training logs
- Warranty logs

- Maintenance logs, including those form outside service contractors
- Copies of service contracts
- Inspection reports, studies, and analyses on the condition of any system and assemblies
- Existing energy-efficient operating strategies
- Recent energy audits (within last 4 years)
- Utility bills or energy use records for last 2
- Safety and health inspection reports
- Code inspection reports
- Architectural studies
- Roof inspection reports
- Recent changes documentation
- Recent additions documentation



Regulatory Requirements

Special operational or industry-specific guidelines you may need to follow that impact building operation.

Ongoing Commissioning (OCx) Requirements

Facilitate a plan to keep the building systems properly functioning.



Benchmarks

Financial Requirements & Investment Criteria