

DESIGN CRITERIA

A. PURPOSE

1. This document establishes the design criteria and standards for Reading Rooms at UC Davis Health. The intent is to support optimal diagnostic accuracy, staff comfort, acoustic performance, and consistency across facilities, and to align with UC Davis Health Design Guidelines and Room Templates.

B. SPACE PLANNING & ROOM SIZE

1. Reading rooms should be located away from main corridors and high-traffic areas to minimize noise, distraction, and light intrusion.
2. Maximize workstations in a space/square footage while maintaining minimum desk size even if the current program calls for fewer stations.

C. LIGHTING

1. Overall room lighting shall be fully dimmable.
 - a. Provide 3 ballast fixtures
 - b. Prefer wall mounted light fixtures versus overhead
2. Uplighting is required to reduce glare and support low-light reading conditions.
3. Lighting design shall minimize reflections and glare on diagnostic monitors.
4. Provide individual dimming control at each workstation where possible.
 - a. Preferred to be incorporated into furniture system
 - b. Placement: On wall above line of sight

D. ACOUSTICS & SOUND MITIGATION

1. Reading rooms shall maintain low noise levels, ideally below 45dB to maximize concentration and minimize distraction (per American College of Radiology – ACR).
2. Acoustic performance is critical; provide sound mitigation strategies including:
 - a. Sound-absorbing ceiling tiles.
 - b. Full-height wall panels at workstations.
 - c. Additional acoustic wall treatments where necessary.
3. Flooring selections and underlayment shall be evaluated for acoustic impact.

E. ENVIRONMENTAL & BUILDING SYSTEMS

1. Provide spare HVAC capacity to accommodate excessive heat loads generated by IT and imaging equipment.
2. HVAC systems shall support quiet operation suitable for reading room environments.

F. DOORS, WINDOWS & DAYLIGHTING

1. No windows are preferred in reading rooms to maintain controlled lighting conditions.
 - a. Provide channeled blackout shades if located in existing room with windows.
 - b. Consider window tinting to lower heat load.
2. Door locations shall be planned to:
 - a. Minimize light spill into the room.
 - b. No vision panel within door.
 - c. Reduce visual and acoustic distractions at workstations

G. FINISHES

1. Flooring – Resilient Tile flooring: non-PVC flooring
 - a. Due to known acoustic challenges resilient flooring, additional sound mitigation measures shall be incorporated (if applicable).
 - b. Floor material colors shall have a low reflectivity value.
2. Walls – Painted standard color: Dunn Edwards, DE 5853 Blue Earth, Preferred Finish: Eggshell.
3. Mammography reading rooms wall color shall be a neutral, low reflectance gray per ACR.
4. Ceilings - Ceiling tiles shall be sound-absorbing to enhance acoustic performance.

H. FURNITURE & WORKSTATIONS – OWNER FURNISHED OWNER INSTALLED

1. Desk Configuration – Minimum Preferred Size: Straight desk 70"W x 29"D
 - a. Preferred Manufacturer: Redrick Technologies
 - b. L-shaped desks may be used based on room configuration and operational needs.
 - c. Desks shall be sized to accommodate four (4) monitors side-by-side at each workstation.
 - d. Accessories to include:
 - i. Locking Vertical CPU Holder
 - ii. Monitor Arms
 - iii. Ambient Back Lighting System
 - iv. Cable Management
 - v. Desktop Power/USB Unit
2. Systems Wall Panels & Surrounds – Provide systems walls panels at workstations to maximum height allowable per code.
 - a. Panels shall be a minimum of 60"W x 65"H where space allows, to support acoustics and visual control.
3. Monitor & Screen Layout
 - a. Screen layouts shall be configured to minimize cross-screen glare between adjacent workstations.
 - b. Orientation and spacing of monitors shall support ergonomic viewing angles and diagnostic accuracy.

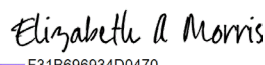
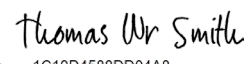
I. ROOM TEMPLATE SUMMARY TABLE

<u>Category</u>	<u>Standard / Requirement</u>
Room Size/ Location	Location: Not on main corridors; low-traffic area
Lighting	General: Fully dimmable overall room lighting; Uplighting to reduce glare Task: Individual workstation dimming where possible
Finishes	Flooring: Resilient Tile flooring (non-PVC); Low reflectivity value Walls: Dunn Edwards, DE5853 Blue Earth, Eggshell finish
Ceiling System	Sound-absorbing acoustic ceiling tiles
Acoustics	Enhanced sound mitigation required (ceiling, wall panels, and treatments as needed)
Doors/ Windows	Doors: Located to minimize light intrusion and distraction



	Window: None; if windows exist, provide blackout shades or window tint
HVAC	Spare capacity required to support high IT heat loads; quiet operation
Workstation Configuration	Desk: Straight desk 70"W x 29"D; L-shaped desk permitted based on room configuration Wall Panels: 60"W x 65"H minimum (where feasible)
Monitor Capacity/ Screen Layout	Four (4) monitors side-by-side per workstation; Oriented to minimize cross-screen glare; Provide heavy duty monitor arms

APPROVALS

Date	Name	Signature
9/3/2026	Delane C Mason dcmason@health.ucdavis.edu Interim Senior Vice President and Associate Operating Officer	Signed by:  D06C6E7B867E4F7...
9/3/2026	Elizabeth A Morris eamorris@health.ucdavis.edu Chair, Department of Radiology	Signed by:  F31B696934D0470...
9/4/2026	Thomas Wr Smith twrsmith@health.ucdavis.edu Chief, Division of Cardiovascular Medicine	Signed by:  1C19D4588DD04A8...