



**REDRICK**  
form function flow™

**Reading Room Environments  
That Redefine Space and Time**

## Today's Radiologists' **Challenge:**

Maximize productivity and expand contributions to imaging appropriateness, quality, safety and customer satisfaction.

## The **Solution:**

Efficient and effective communication between the radiologist, subspecialist, referring physician and patient.

## The **Opportunity:**

Tailor all aspects of the radiologist reading environment to create the optimal framework in which these activities can occur.



Imaging 3.0™ is a radiology call to action defined by the ACR, to provide a framework in which radiologists can assume a leadership role in our evolving healthcare system.

Learn more at [www.acr.org/imaging3](http://www.acr.org/imaging3)



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## The Shift Toward Patient-Centered Care and Value-Based Imaging is Placing **New Demands** on Radiology

The radiologist's role must expand toward the point of care, requiring the radiologist to be:

- ▶ More visible
- ▶ More effective communicators
- ▶ More accessible
- ▶ More involved
- ▶ More productive

*The reading room environment must evolve to support these changes.*

“Embedding our musculoskeletal reading room at the point of care enabled us to build trust and enhance the value of our interpretation, by leveraging the detailed insights we obtained from face-to-face interaction with the clinical team.”

Brian Petersen, MD

*Associate Professor of Radiology and Orthopedics  
Chief of Musculoskeletal Radiology  
University of Colorado*

ROOM LOCATION

ROOM LAYOUT

ROOM DESIGN

ERGONOMICS

### **Optimize Inward!**

Multiply the benefits of good ergonomics by optimizing the entire reading environment: room location, layout and design.

## Importance of Room **Location**

Maximize radiologist visibility and facilitate greater customer service.

Centrally locate general rooms near technologists, referring physicians and patients.

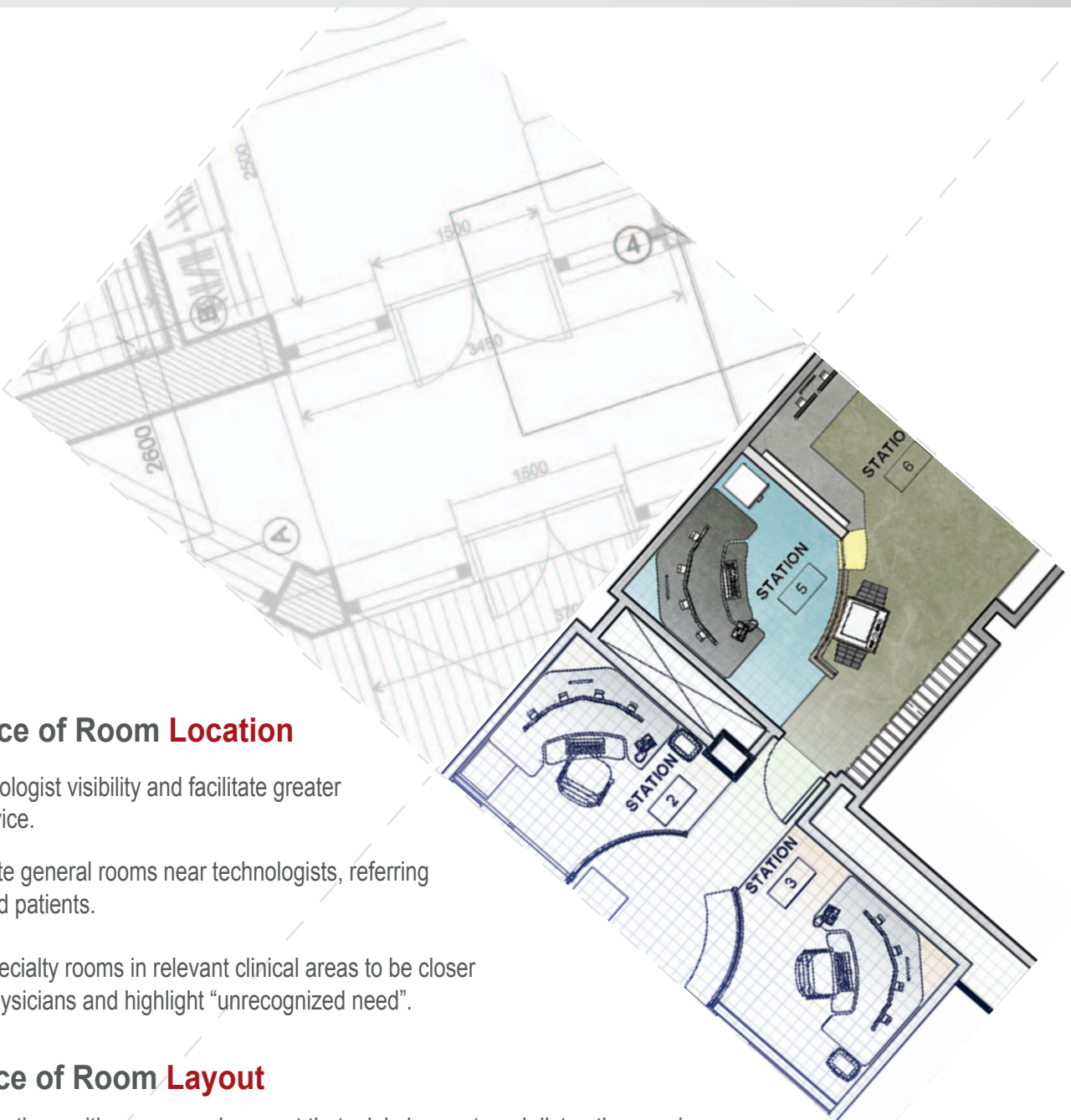
Embed subspecialty rooms in relevant clinical areas to be closer to referring physicians and highlight “unrecognized need”.

## Importance of Room **Layout**

Create a productive multipurpose environment that minimizes external distractions and serves the department’s operational needs.

- ▶ Primary radiologist reading
- ▶ Group teaching and conference
- ▶ Resident/Fellow meeting space
- ▶ One-on-one referring physician consultation
- ▶ Patient consultations

**Think Differently!**  
**Think Visibility!**



## Importance of Room Design

Maximize radiologist focus and reduce sensory fatigue.

Purposeful materials and systems optimization of the following should be included:

- ▶ Ambient and task lighting location and type
- ▶ Floor and ceiling materials
- ▶ Wall and partition finishes and coverings
- ▶ HVAC Requirements
- ▶ Sound control



## Importance of Ergonomics

Prevent repetitive motion injuries to ensure healthy radiologists.

All workstation components must be ergonomically adjustable:

- ▶ Work surfaces
- ▶ Display management
- ▶ Input devices
- ▶ Task lighting
- ▶ Seating

Education on the proper use of ergonomic equipment, as well as all controls within the reading environment, ensures the greatest possible benefits are realized.

**ASSURED**

## Our 4 Step Process

*The RedRick consultative process that ensures your operational goals are met through optimized reading room location, layout, design and ergonomics.*

### Consultation

#### Step 1

Interview stakeholders and gather observational workflow information to understand operational goals and unique challenges.

### Design

#### Step 2

Design and space usage drawings are created to visualize recommendations and ensure success is clearly defined and consensus is achieved.

### Development

#### Step 3

Communication of final decisions to all stakeholders and integration into construction and fabrication documents. Ensures recommendations are understood and properly implemented.

### Implementation

#### Step 4

Adjustment of equipment and training in its proper use is a critical final step to ensure expectations and intended benefits are realized.



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