

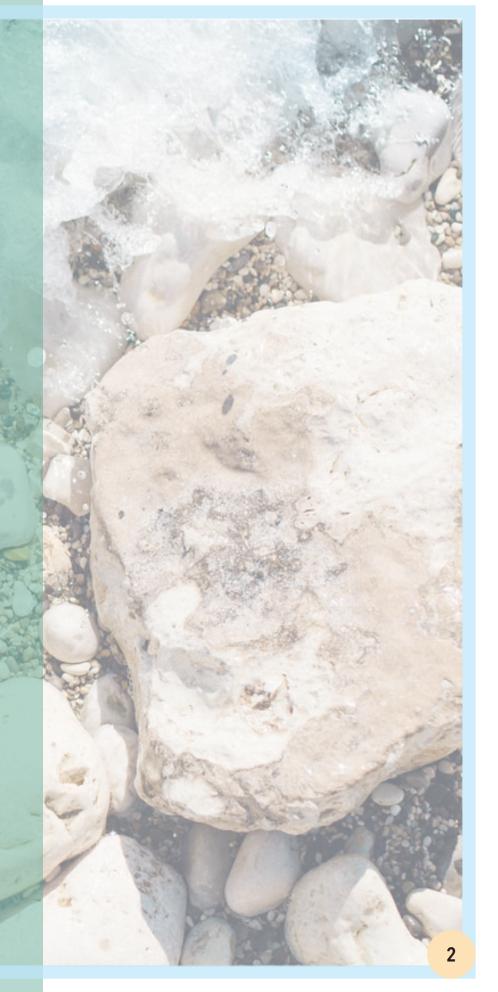
CONTENTS

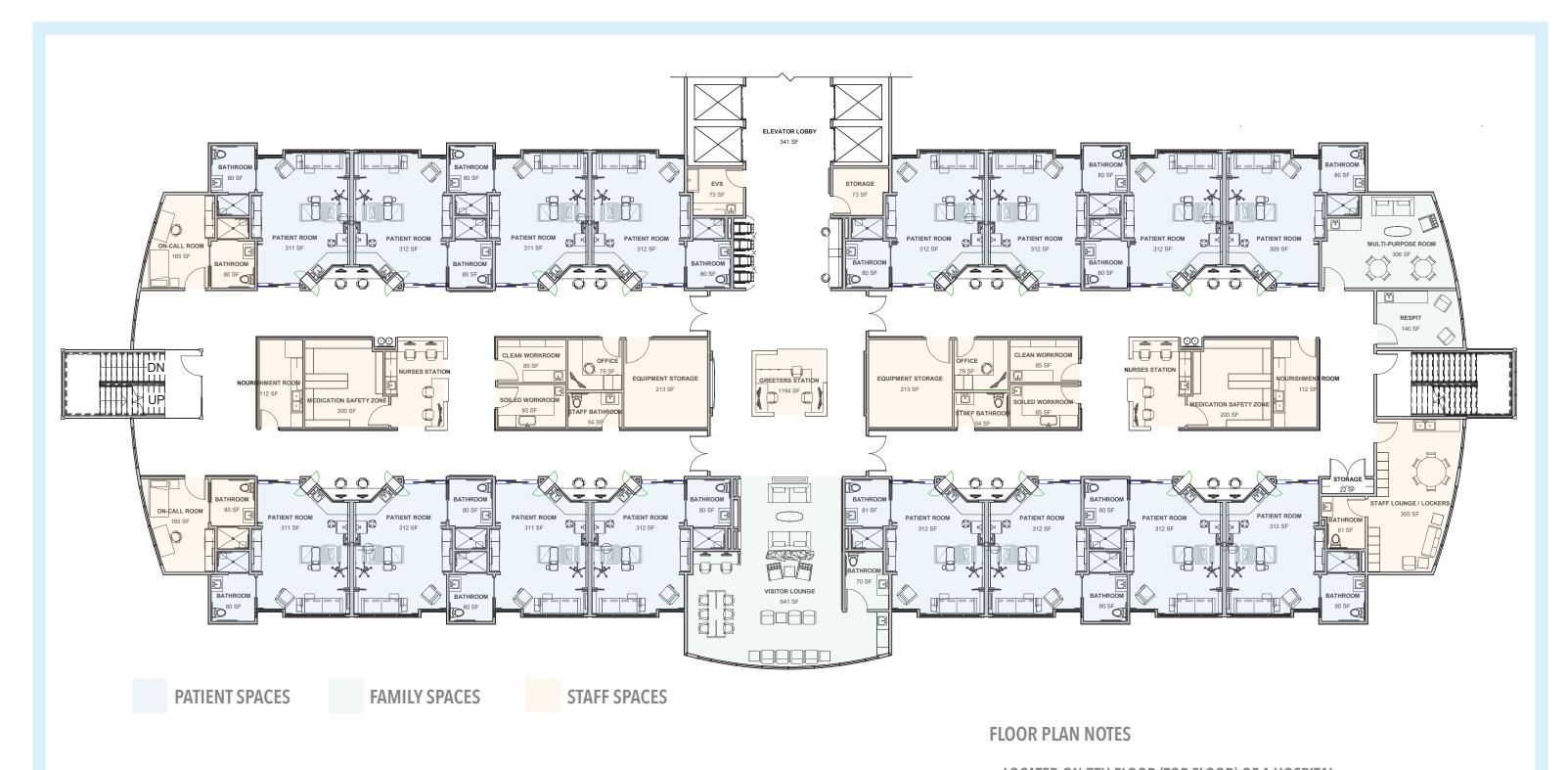
- 1. TABLE OF CONTENTS
- 2. MISSION STATEMENT
- 3. ICU FLOOR PLAN
- 4. ICU REFLECTED CEILING PLAN
- 5. GREETERS STATION
- 6. VISITORS LOUNGE
- 7. FURNITURE SELECTIONS STAFF & VISITOR SPACES
- 8. MATERIAL SELECTIONS STAFF & VISITOR SPACES
- 9. MAIN CIRCULATION
- 10. NURSES STATION
- 11. PATIENT ROOM
 - 11. KEY RESEARCH / DESIGN STRATEGIES
 - 12. FLOOR PLAN
 - 13. ANNOTATION PLAN
 - 14. REFLECTED CEILING PLAN
 - 15. INTERIOR ELEVATION HEADWALL
 - 16. INTERIOR ELEVATION FOOTWALL
 - 17. FINISH SELECTIONS PATIENT ROOM
 - 18. FURNITURE SELECTIONS PATIENT ROOM
 - 19. RENDERINGS



MISSION STATEMENT

The intensive care unit (ICU) is a department within the hospital where patients with severe or life-threatening illnesses or injuries are provided with constant care and supervision. By researching the functionality of a typical ICU unit and understanding standard requirements, a new design will foster key characteristics that will improve the health and well-being of the admitted patients along with increasing the quality of care by care givers.

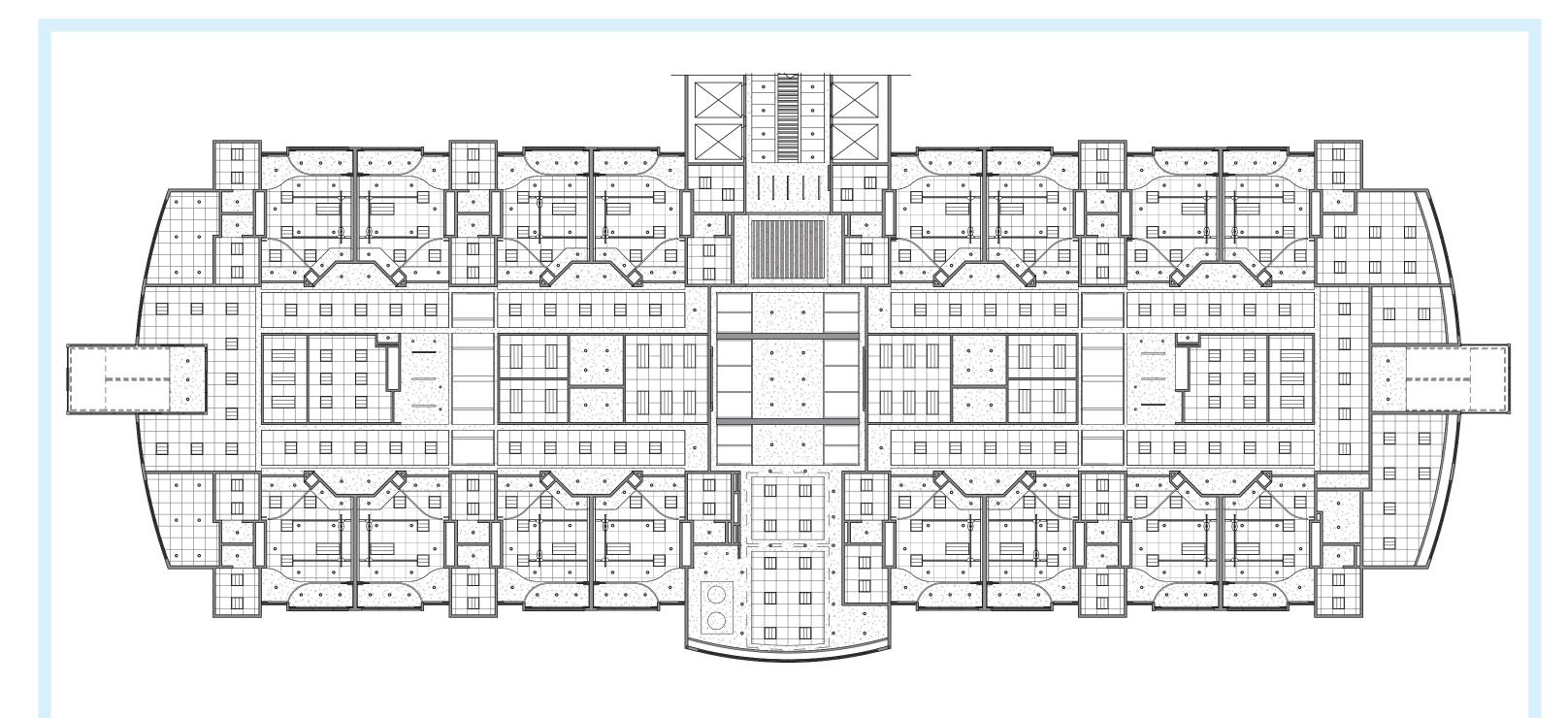




INTENSIVE CARE UNIT FLOOR PLAN

SCALE: 1/16'' = 1' - 0''

- LOCATED ON 7TH FLOOR (TOP FLOOR) OF A HOSPITAL
- 16 BED UNIT
- EAST WING AND WEST WING (MIRRORED)
 - WEST WING STAFF ACCOMMODATIONS WITH BATHROOMS
 - EAST WING STAFF LOUNGE/LOCKERS, RESPIT, MULTI-PURPOSE ROOM
- NATURAL DAYLIGHT
- 8' 0" WIDE CORRIDORS



INTENSIVE CARE UNIT REFLECTED CEILING PLAN

SCALE: 1/16'' = 1' - 0''

REFLECTED CEILING PLAN NOTES

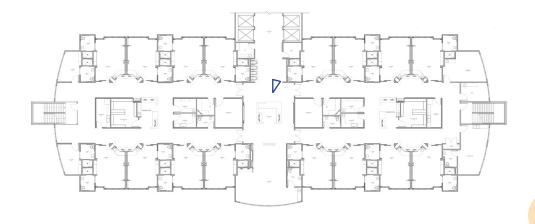
- MAJORITY OF CEILING IS 2' X 2' ACT FOR ACCESS TO MECHANICAL SYSTEMS
- 9' 6" TO 10' 0" CEILINGS WITH 6' 0" PLENNUM
- 2X2 DIFFUSED LIGHT FIXTURES ALONG MAIN CIRCULATION
- RECESSED CANS ARE USED FOR LAYERED LIGHTING TECHNIQUES
- PENDANT LIGHTING FOR DECORATION
- AVOID DUST-COLLECTING SURFACES



GREETERS STATION / ENTRANCE NOTES

- ELIMINATION OF ENVIRONMENTAL STRESSORS
 - STAFF GREETER TO HELP
 - IMFORMATION MONITORS
 - WAYFINDING FOR EACH WING
- SKYLIGHTS TO PROVIDE NATURAL DAYLIGHT
- BLUES AND GREENS ARE RELAXING & HEALING

GREETERS STATION





VISITORS LOUNGE NOTES

- LOCATED CENTRALLY ON THE UNIT
- EASILY ACCESSIBLE TO ALL OF THE PATIENT ROOMS
- POSITIVE DISTRACTIONS
 - FIREPLACE
 - COMPUTER BAR
- MINIMUM 3 CHAIRS AND 1 WHEELCHAIR SPACE
- 1.5 SEATS FOR EVERY ADULT CRITICAL CARE BED
- VISITOR BATHROOM
- VISITOR COFFEE BAR

VISITORS LOUNGE





ALLERMUIR - GRAINGER HIGH WING CHAIR ACCENT CHAIR





ALLERMUIR - OMEN 2 SEAT SOFA - WIDE FULLY UPHOSTERED, PLASTIC GLIDES



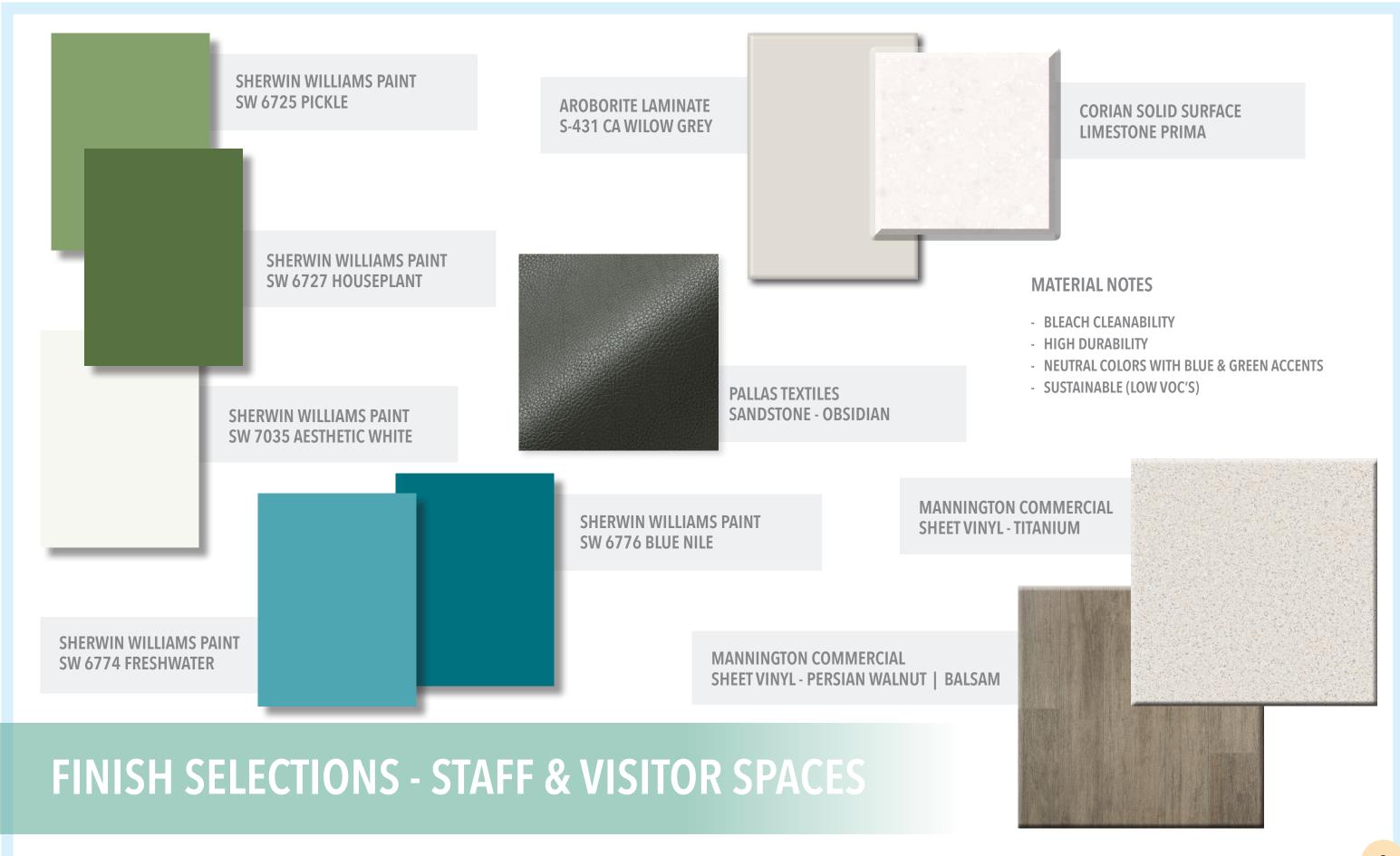


KI - SOLTICE BARIATRIC CHAIR
CLOSED ARM



KI - SERENADE GATHERING TABLE
29" HEIGHT, MODESTY PANEL, 2" TOP
AND STRINGERS

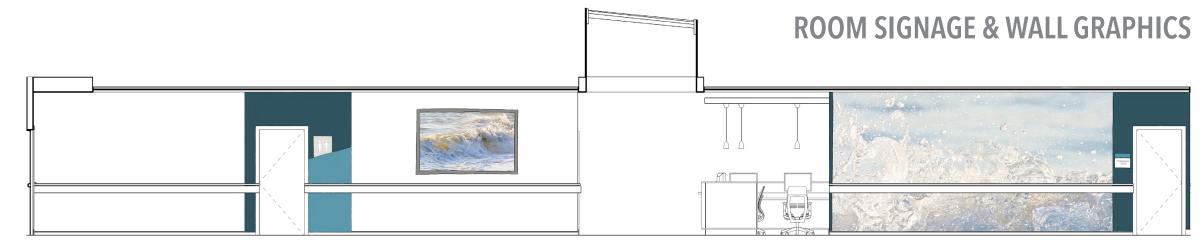
FURNITURE SELECTIONS - STAFF & VISITOR SPACES





CIRCULATION NOTES

- EAST BLUES
- WEST GREENS
- POSITIVE NATURE VIEWS OUTSIDE EACH ROOM
- VARIOUS WAYFINDING TECHNIQUES
- EVIDENCE-BASED ARTWORK CAN:
- REDUCE STRESS
- DE-STRESSOR FOR STAFF
- IMPACT BRANDING OF HOSPITAL
- ADD TO APPEAL OF ENVIRONMENT
- HANDRAILS ALONG CORRIDORS @ 36"



MAIN CIRCULATION

WALL GRAPHICS, ROOM SIGNAGE, & WAYFINDING

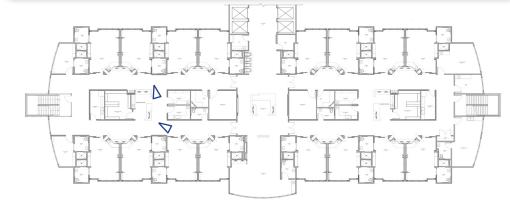




NURSES STATION NOTES

- CENTRALIZED AND DECENTRALIZED NURSES STATIONS
- HANDWASHING SINK AND ADDITIONAL CASEWORK STORAGE
- MEDICATION SAFETY ZONE LOCATED WITHIN THE CENTRALIZED NURSES STATION
 OUT OF CIRCULATION PATH
- CLEAN WORKROOM AND SOILED WORKROOM LOCATED ACROSS FROM NURSES STATION
- SIGNAGE ALONG MAIN COORIDOR
- WAYFINDING LOCATED IN THE CENTER OF THE CORRIDOR WITH MAP





CENTRALIZED NURSES STATION

ROOM SIGNAGE & WAYFINDING

CRITICAL CARE PATIENT ROOM KEY RESEARCH / DESIGN STRATEGIES

OVERALL LAYOUT

- SPACE FOR CLEARLY DEFINED PATIENT / FAMILY / CAREGIVER ZONES
- BATHROOM DOOR VISIBLE TO THE PATIENT WHILE IN BED
- ADEQUATE NUMBER OF PATIENT ROOMS AND BATHROOMS DESIGNED SPECIFICALLY FOR BARIATRIC PATIENTS
- SUFFICIENT SPACES FOR THE USE OF BEDSIDE ELECTRONIC MEDICAL RECORDS
- REDUCE PATIENT STRESS, PAIN, ANXIETY, AND DELIRIUM WITH NATURE VIEW IN PATIENTS LINE OF SIGHT

LAYOUT - STAFF ZONE

- ORGANIZED AND UNCLUTTERED WORKSPACE

LAYOUT - PATIENT ZONE

- DIRECT AND SHORT VISUAL SIGHT LINE TO PATIENT FROM CORRIDOR / DECENTRALIZED NURSING STATION
- SPACE FOR PREPARATION FOR CLINICAL PROCEDURES
- SPACE FOR PEOPLE AND EQUIPMENT IN CODE BLUE RESPONSE
- REDUCE NOISE BY BED LOCATION / ORIENTATION TO MOVE PATIENT HEAD AWAY FROM DOOR

LAYOUT - FAMILY ZONE

- FAMILY SPACE POSITIONED IN LINE OF SIGHT OF SIGHT OF STAFF SO THEY CAN BE INCLUDED IN CONVERSATION
- FURNITURE CONFIGURED TO FACILITATE COMMUNICATION
- IMPROVE FAMILY PRESENCE AND ENGAGEMENT IN PATIENT CARE

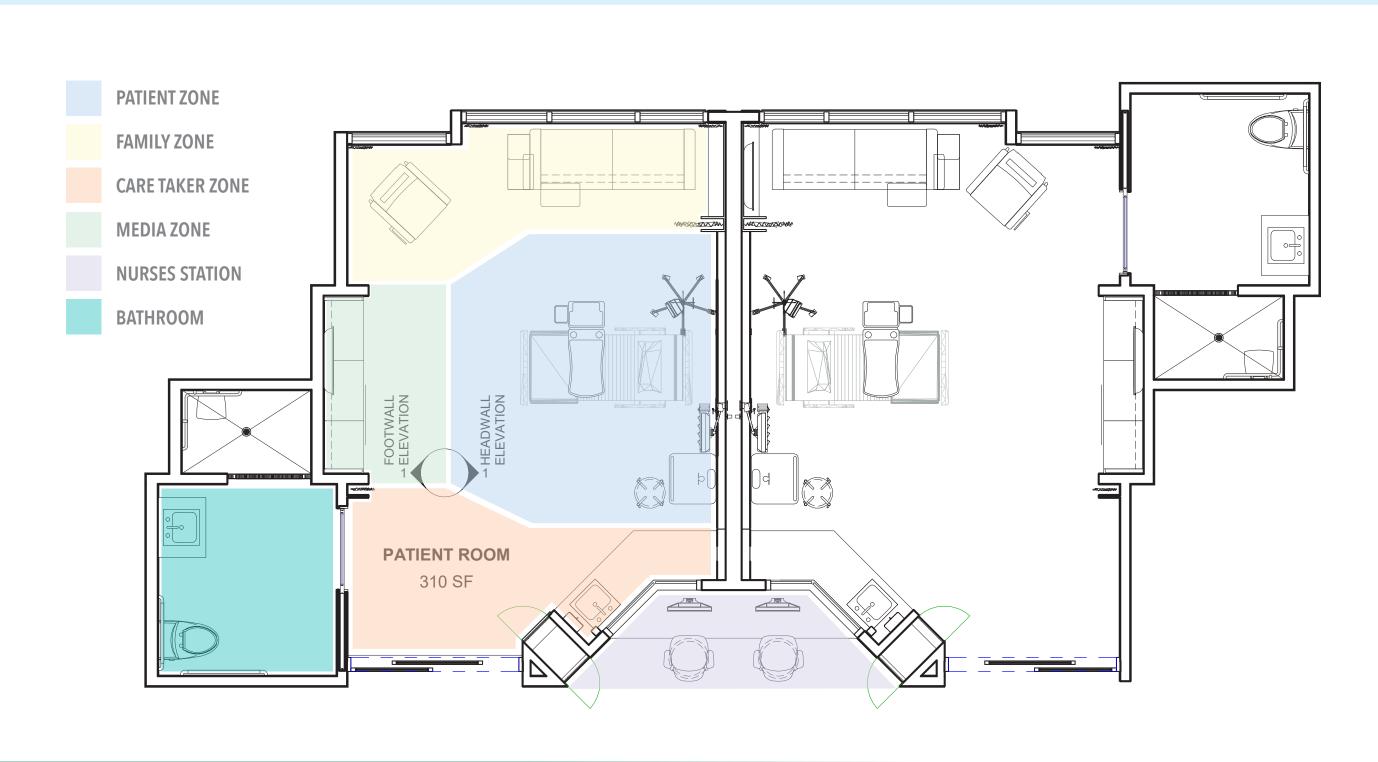
MATERIALS

- SMOOTH SURFACES WITH MINIMUM PERFORATIONS AND CREVICES TO REDUCE RISK OF CONTAMINATION
- MINIMUM RIDGES OR REVEALS THAT COULD COLLECT DUST
- HIGH DURABILITY FOR ALL MATERIALS
- REDUCING NOISE

Source: American Society for Healthcare Engineering. (2018). Guidelines for design and construction of hospitals and outpatient facilities. Chicago, IL. Source: (Dijkstra, Pieterse, & Pruyn, 2006; Lee et al., 2004; Miller, Hickman, & Lemasters, 1992; Schneider, Prince-Paul, Allen, Silverman, & Talaba, 2004; Tse, Ng, Chung, & Wong, 2002; Ulrich, 1984; Ulrich, 1999; Ulrich, Lunden, Eltinge, 1993)

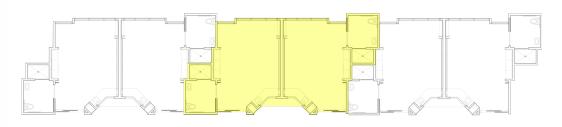
Source: (Annonio, Graham, Ross, 2010; Brown & Gallant 2006; Hendrich, Fay, & Sorrells, 2004; Zimring & Seo, 2012)

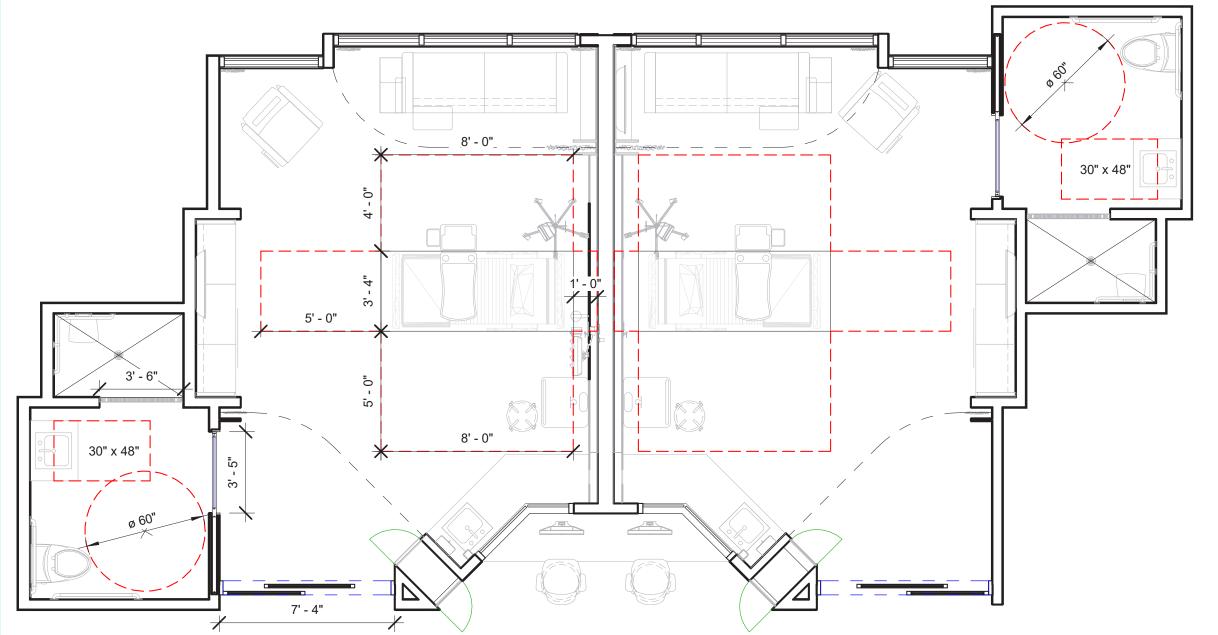




CRITICAL CARE ROOM FLOOR PLAN

SCALE: 1/4" = 1' - 0"



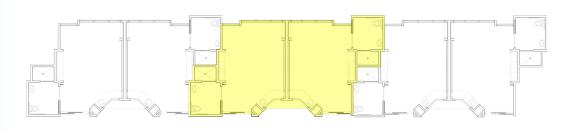


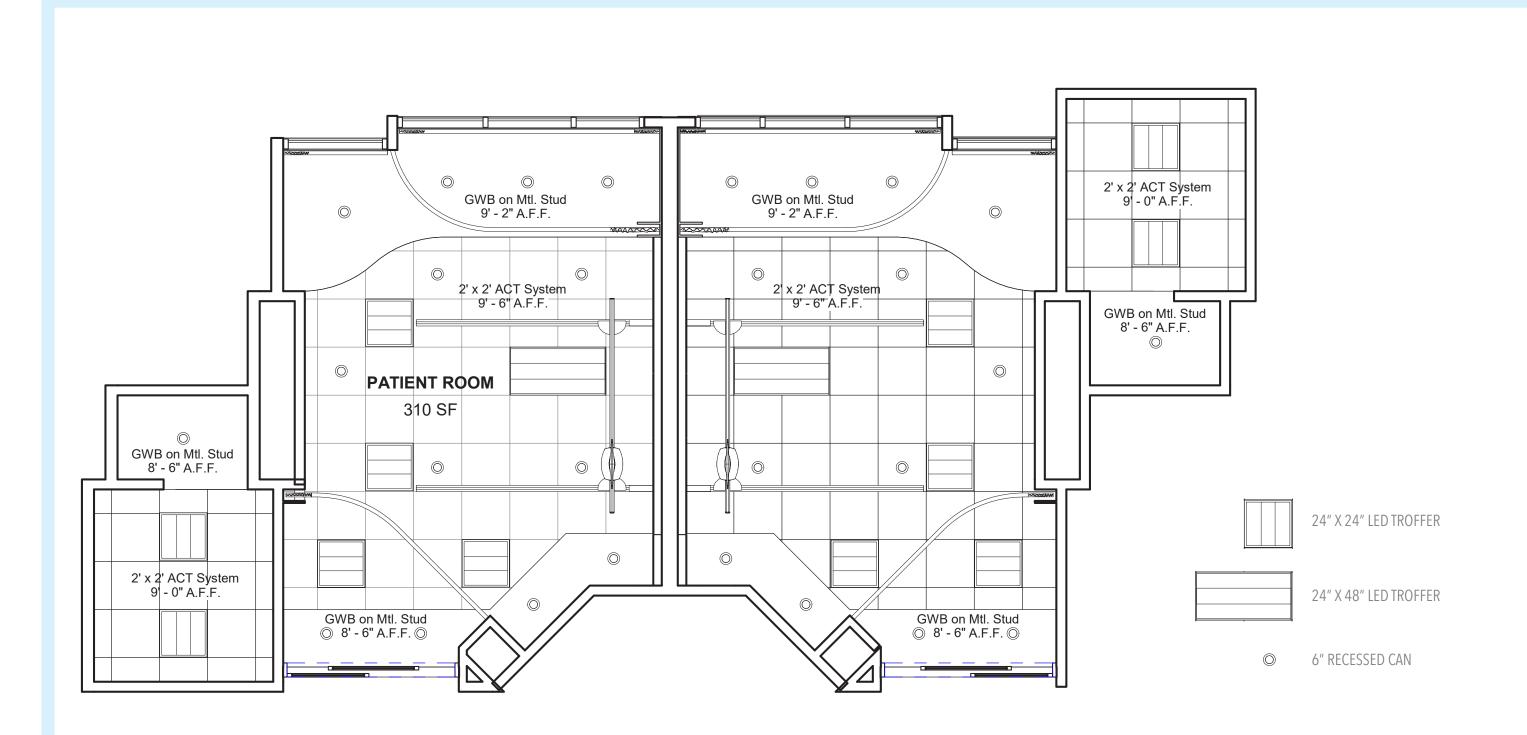
FGI STANDARDS / REQUIREMENTS

- Handrails and grab bars shall be included in the patient room, patient toilet room and patient care unit corridors.
- A hand washing station shall be provided in the patient room in addition to that in the toilet room. Located adjacent to the entrance of room.
- In patient care units, the patient toilet room shall serve no more than one patient room.
- Patient toilet room shall be equipped with a toilet, hand washing station, and a bedpan rinsing device.
- Each patient room shall have a separate wardrobe, locker, or closet suitable for storing personal items and garments.
- Minimum of 16 electrical receptacles in a critical care unit patient room, convenient to head of bed with one on each wall.
- 1 Nurse call device required at the patient station, staff assistance station and the emergency call station
- 3 Oxygen outlets required per patient bed
- 3 Vacuum outlets required per patient bed
- 1 Medical Air outlet required per patient bed
- Minimum 13' Headwall
- Sliding doors must not have floor tracks
- Minimum door opening is 45.5"
- Minimum door height is 83.5"

ROOM ANNOTATIONS

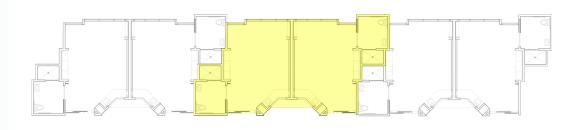
SCALE: 1/4'' = 1' - 0''

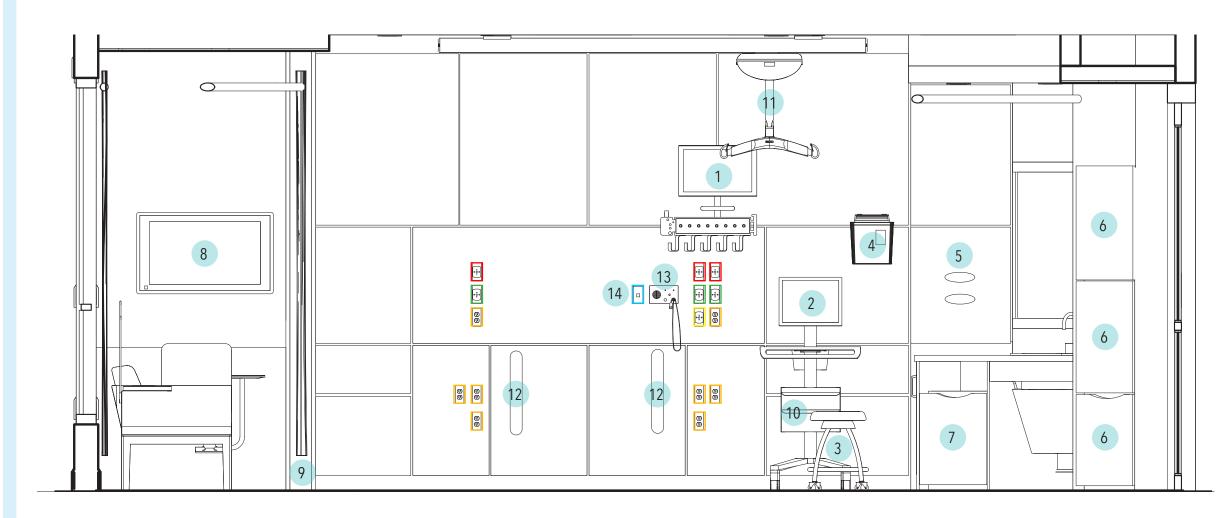




REFLECTED CEILING PLAN

SCALE: 1/4'' = 1' - 0''





- 1 PHYSIOLOGICAL MONITOR
- 2 MOBILE CHARTING MONITOR
- 3 PHYSICIAN STOOL
- 4 SHARPS CONTAINER
- 5 GLOVES
- 6 LINEN CART/STORAGE
- 7 TRASH
- 8 T\
- 9 PRIVACY CURTAIN
- 10 SUPPLY BOX
- 11 BOOM
- 12 BED BUMPERS
- 13 NURSE CALL BUTTON
- 14 CODE BLUE BUTTON
- DUPLEX RECEPTACLES
- MEDICAL OXYGEN
- MEDICAL VACUUM
- MEDICAL AIR

INTERIOR ELEVATION - HEADWALL

|SCALE: 1/2" = 1' - 0"|



- PATIENT CHAIR
- 2 TV
- 3 STORAGE
- 4 WHITE BOARD
- 5 PRIVACY CURTAIN
- 6 BATHROOM POCKET DOOR

INTERIOR ELEVATION - FOOT WALL

SCALE: 1/2" = 1' - 0"





FURNITURE SELECTIONS - PATIENT ROOM







