STATE-OF-THE-ART, HOLISTIC APPROACH TO BEHAVIORAL HEALTH TREATMENT FACILITIES

INDIANA NEURO-DIAGNOSTIC INSTITUTE AND ADVANCED TREATMENT CENTER
Today’s PRESENTERS

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The Neuro-Diagnostic Institute (NDI) and Advance Treatment Center (ATC) will serve as a prototype for a new model of State Operated Facilities (SOF) network care that will both draw from and inform cutting edge research around diagnosing and treating, severe mental health disorders facilitating the development and adoption of integrated care and precision medicine.

Mission Statement
Neuro-Diagnostic Institute Overview

• State Leadership Initiative – Address a Need
  - Aging Facilities
  - Support New, Creative Operational Strategies
  - Enhanced Relationships w Outpatient Partners
  - Building as a Conduit for Treatment Implementation

• Bridge the Care Gap
  - 5 Existing Long-Term Care State Operated Facilities (SOF)
  - Focus on Diagnostic Treatment Philosophy
  - Serve Multiple Patient Populations at Central Location
Aligning Facility and Design Goals

Efficient and Streamlined Care Model

- Modern / Cutting Edge Treatment
- Thorough, Holistic Treatment Plans

- Efficient Staff Support Layout
- Implement Biophilic Design Principles
- Balance Durability with Healing Environment

- Modern Building Systems
- Technology/Connectivity
- Enhance Patient and Staff Safety
- Patient-Focused Spaces
DESIGNING FOR MULTIPLE PATIENT POPULATIONS

ENHANCING THE BEHAVIORAL HEALTH ENVIRONMENT

IMPLEMENTING VERTICALLY CONFIGURED FACILITY SOLUTIONS
Designing For Multiple Patient Populations
Patient Populations

- Children
- Adolescents
- Adults
  - Comorbid
  - Geriatric
- Forensic
Patient Intake and Admittance

- Streamlined Approach
  - Scheduled Referral Admissions
  - No Walk-Ins or Self-Admission
  - Dedicated / Restricted Admission Patient Flow

- Safety of Patient a Top Priority

- Civil and Forensic Admissions
Separation of Patient Populations

- Designated Patient Neighborhoods
- Designated Elevators / Access Control
- Sightline Considerations
- Sally Ports
- School for Children / Adolescent
Enhancing The Behavioral Health Environment
Setting the Stage: Challenges at Current Facility

- Changes Around the SOF Network Operational Paradigm
- Building Age/ Maintenance Upkeep
- Lack of Healing Environment
- Insufficient Workflows/ Cluttered Spaces
Design Challenges

- Patient and Staff Safety / Security
  - Sightlines
  - Material Durability (Reducing Maintenance)
  - Anti-Ligature/ Tamper Resistant Fixtures and Materials (Sentinel Event Reduction)

- Maintenance and Building Systems Access
  - Valve/ Access Panel Positioning Streamlined
  - Ganged systems where possible
Design Opportunities/Strategies

• Promote Holistic Treatment Approach

• Integrate Biophilic Design Concepts
  - Connecting Patients with Nature’s Influence
  - Perception of Reality / Rhythm of Daily Life
  - Subtle Integration of Natural Tones and Patterns

• Design Vertical Neighborhoods

• Integrate Art

• Repetitive Support Core Design
Design Strategies: Vertical Neighborhoods

- “Neighborhood” Concept Units
  - Social Interaction Integral to Therapy
  - Central Support for Staff
  - Flexibility of Use
  - ‘Hub’ of Activity
Design Strategies: Biophilic Design

- Tunable White (Color Temp) Lighting
  - Common Areas, 2nd and 4th Floor Patient Rooms
- Sleep Lab (RGB Color Tuning)
- Research Tool

Image: The Midnight Sun, Anda Bereczky, 2005
Design Strategies: Biophilic Design

- **Walls as Art**
  - Graphic Wall Protection
  - Subtle/Abstract Natural Themes
  - Wayfinding Elements
Design Strategies: Connect to Indiana

PUBLIC ELEVATORS
Vertical Transpiration - Rivers

- 7th Floor – Forensic
- 6th Floor – Adult/ Mall – The Meadows
- 5th Floor – Adult – The Lake
- 4th Floor – Adult – The Forest
- 3rd Floor Child/Adolescents
- 2nd Floor Special Population – The Prairie
- 1st Floor Lobby - Creek
Design Strategies: Cohesive Theme/Palette

- Restorative and Calming Palette
  - Analogous and Consistency Across Unit
  - Avoid Stimulating Colors (Reds, Heavy Saturation)
Design Strategies for Safety

- Sightlines
  - Direct Observation
- All Glass is Tempered and Laminated
- Radiused Wall Corners
- Behavioral Health Furnishings
Advance Treatment Center
Dedicated Therapy Spaces

- Electroconvulsive Therapy (ECT)
- Transcranial Magnetic Stimulation (TMS)
- Multi-Function (Dental/Optometry/Podiatry...)
- Infusion
- Genetic Testing Lab
- Sleep Lab
Advance Treatment Center

- Multifunctional Clinic Spaces
- Tele-Psychiatry/Therapy Consultation
- Shared services with Community Health
Vertically Configured Facility

- Why Go Vertical?
  - Site Constraints
  - Urban Setting
  - Concentrated Services / Program

- Shared Services with Community Hospital East
  - Dining
  - Loading/Receiving
  - Emergency and Acute Care
Outdoor Treatment Space
Rooftop Playscape

- Dedicated to Children/Adolescent Populations
- Community East Support Hub Rooftop
- Synthetic Turf and Rubberized Surfaces
- Picnic Tables, Basketball, Soccer, Playset, etc.
Outdoor Treatment Space
Secure Patient Terraces – Levels 4-7

- Stainless Security Mesh Screening
- Natural Ventilation/ Sunlight
- Northwest Facing
- Stacked/Repetitive Layouts
- Multifunction Spaces:
  - Consult / Group rooms
  - Exam / Visitation rooms
- Digital Visitations / Consultations
- Core-Loaded Staff Support
- Stacked Services
Floor Plan
Typical Adult Floor

Patient Zone

Staff Zone

Treatment Zone
Floor Plan
6th floor Treatment Mall

- Treatment Hub
- Active Therapy
- Focus on Integrating Daily Living Skills into Holistic Treatment Approach
- Flood Space with Daylighting
OBJECTIVES

DESIGNING FOR MULTIPLE PATIENT POPULATIONS

ENHANCING THE BEHAVIORAL HEALTH ENVIRONMENT

IMPLEMENTING VERTICALLY CONFIGURED FACILITY SOLUTIONS
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