



RESILIENT ADAPTABILITY & FLEXIBILITY INFECTIOUS DISEASE MASTER PLANNING ADAPTABLE ACUITY INFLUENCED INFRASTRUCTURE

- Adaptability & Flexibility** begins with re-thinking clinical space planning and integrating physical space plans with the functional requirements of the MEP systems - especially HVAC systems – to meet the overall performance criteria of the department under both normal and crisis conditions. The HOSPITALS of the future must address the lessons-learned from the current COVID-19 pandemic crisis, both clinically and operationally, but be able to operate at optimal efficiency under normal conditions. It must be **Adaptable** to address a surge of patients with varying levels of acuity from potentially highly infectious, novel diseases while still treating – and protecting – non-infectious patients requiring emergency care.
- The intent is to re-imagine best practices for HEALTHCARE OPERATORS and begin re-defining the minimum design standards and performance criteria of the entire industry. **CONCORD'S ADAPTABLE ACUITY MATRIX CAN HELP HEALTHCARE OPERATORS TO PLAN NOW FOR THE FUTURE.**

		Adaptable Rooms (per Individual Modularity, i.e. Corridorways, Trauma, Outpatient, etc.)																	
System	Design Criteria	FGI Med/Surg Patient Room			FGI Intermediate Care Room			FGI Critical Care Room (incl. ICU)			FGI Airborne Infection Isolation (AII) Room			Infection Crisis Response Adaptable Room					
		Min. Requirement	Comments	Project Impacts	Min. Requirement	Comments	Project Impacts	Min. Requirement	Comments	Project Impacts	Min. Requirement	Comments	Project Impacts	Min. Requirement	Comments	Project Impacts			
Architecture	Space Planning	12.0 sq ft	Private room	12.0 sq ft	Private room	Needs for higher acuity patients, increased +/- higher construction cost	200 sq ft	Private room	Needs for higher acuity patients, increased +/- higher construction cost	120 - 200 sq ft	Private room	Needs for higher acuity patients, increased +/- higher construction cost	120 - 200 sq ft	Private room	Needs for higher acuity patients, increased +/- higher construction cost	120 - 200 sq ft	Private room	Needs for higher acuity patients, increased +/- higher construction cost	
	Room depth (per modularity)	12.0 ft	Single room	12.0 ft	Single room	Minimal or no change in required depth for higher acuity	4.0 ft	Single room	Minimal or no change in required depth for higher acuity	12.0 ft	Single room	Minimal or no change in required depth for higher acuity	12.0 ft	Single room	Minimal or no change in required depth for higher acuity	12.0 ft	Single room	Minimal or no change in required depth for higher acuity	
	Room width (per modularity)	12.0 ft	Single room	12.0 ft	Single room	Design depth will commonly be 10.0-12.0 ft in most cases	180.0 in	Design depth will commonly be 10.0-12.0 ft in most cases	180.0 in	Design depth will commonly be 10.0-12.0 ft in most cases	270.0 in	Design depth will commonly be 10.0-12.0 ft in most cases	270.0 in	Design depth will commonly be 10.0-12.0 ft in most cases	270.0 in	Design depth will commonly be 10.0-12.0 ft in most cases	270.0 in	Design depth will commonly be 10.0-12.0 ft in most cases	
	Observation (per change order)	12.0 ft	Single room	12.0 ft	Single room	Reduce OA % may result in reduced Tonnage	12.0 ft	Single room	Reduce OA % may result in reduced Tonnage	12.0 ft	Single room	Reduce OA % may result in reduced Tonnage	12.0 ft	Single room	Reduce OA % may result in reduced Tonnage	12.0 ft	Single room	Reduce OA % may result in reduced Tonnage	
MEP	Return/Exhaust	No req's	Typical exhaust through ceiling return (20 or 20R) in common	No req's	Typical exhaust through ceiling return (20 or 20R) in common	No req's	Typical exhaust through ceiling return (20 or 20R) in common	No req's	Typical exhaust through ceiling return (20 or 20R) in common	No req's	Typical exhaust through ceiling return (20 or 20R) in common	No req's	Typical exhaust through ceiling return (20 or 20R) in common	No req's	Typical exhaust through ceiling return (20 or 20R) in common	No req's	Typical exhaust through ceiling return (20 or 20R) in common	No req's	Typical exhaust through ceiling return (20 or 20R) in common
	Recirculation	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	Recirculation via room units allowed, Concord cabinet against this, approved for four corners, four and major renovations	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	
	Pressure	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	Recirculation via room units allowed, Concord cabinet against this, approved for four corners, four and major renovations	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	
	Isolation	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	Recirculation via room units allowed, Concord cabinet against this, approved for four corners, four and major renovations	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	No req's	Recirculation via room units allowed, Concord cabinet against this	



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MASTER PLANNING OF CRITICAL INFRASTRUCTURE FOR HEALTHCARE FACILITIES
IT'S NOT THE SAME MASTER PLANNING CONSIDERATIONS ANYMORE ...