Renovation Risk Assessment Planning: Integrated FGI PCRA, ICRA, ILSM, and Security Workflow

Field Sheet — Phased Construction in Occupied Hospitals as One Coordinated Planning Workflow

Direct Answer (Practitioner Reference): FGI Guidelines require a multidisciplinary Pre-Construction Risk Assessment (PCRA) before any hospital renovation begins. Rather than running siloed checklists, effective teams execute PCRA as one integrated workflow combining four tracks across every construction phase: (1) ICRA (ASHE ICRA 2.0 dust, barrier, and negative-air controls), (2) ILSM (Joint Commission LS.01.02.01 / NFPA 101 egress, fire watch, and impairment controls), (3) Security & Access Control (worker badging, locked partitions, camera/alarm continuity), and (4) Disaster/Emergency & Utility Resilience (evacuation routes, med-gas/water/power contingencies).

PCRA Track	Core Triggers Evaluated	Required Phased Controls	Governing Authority
1. ICRA (Infection Control)	Demolition, ceiling access, plumbing/water work, adjacent immunocompromised units	ASHE ICRA 2.0 Class I-V barriers, negative air, HEPA, sticky mats, Water ICRA	FGI PCRA; ASHE ICRA 2.0; CDC
2. ILSM (Life Safety)	Blocked exits/corridors, sprinkler/fire-alarm impairment, breached fire/smoke walls	TJC LS.01.02.01: unobstructed egress, fire watch, daily/weekly inspections, training	The Joint Commission; NFPA 101
3. Security & Access	Exterior envelope breach, contractor traffic in clinical zones, staged equipment	Separate contractor badges, locked construction doors, preserved CCTV/panic alarms	FGI PCRA; Hospital Security
4. Disaster & Utilities	Med-gas/water/power tie-ins, ambulance/evacuation route impacts, noise/vibration	Swing-space phasing, off-hours tie-ins, emergency shutoff & comms tree	FGI PCRA; CMS EP Rule

Phased Construction Gate Checklist (Pre-Mobilization -> Phase Transition)

Gate	Required Multidisciplinary Sign-Off	Sign-Off Team
Gate 1: Pre-Design PCRA	[ ] Convene Facilities, IP, Safety/Security, Emergency Management & Contractor; document PCRA scope across all phases	Multidisciplinary PCRA Team
Gate 2: Pre-Mobilization Permits	[ ] Issue signed ICRA Permit + ILSM Matrix + Utility Shutdown & Security Badging plan before barrier erection	IP + Safety + Facilities
Gate 3: Phase-to-Phase Shift	[ ] Build and pressure-verify new airtight phase barrier BEFORE dismantling prior phase barrier; update ILSM egress maps	Contractor + Facilities + IP
Gate 4: Daily/Weekly Rounds	[ ] Conduct joint barrier, negative-pressure, egress, fire-watch, and security walkthroughs; log corrective actions	Safety + IP + Engineering

Practitioner prep/reference tool based on FGI Guidelines PCRA framework, ASHE ICRA 2.0, The Joint Commission LS.01.02.01, and NFPA 101. Confirm all phase permits with facility IP, Safety Officer, and AHJ.