

See UM Consultant Procedures and Design Guidelines. All design guidelines posted are applicable. Information below supplements and supersedes information provided in Division 11 of those documents.

General

1. All fixed equipment must be accessible by maintenance as required by manufacturer and/or code. Minimum clearance shall be 24”.
2. Wall mounted monitor brackets are purchased by Owner (Cerner); installed by contractor.

11 7000 Healthcare Equipment

1. SpaceLabs Monitor channel mounting system: GCX Instrument Mounting System WC-0002 x length or equal.
2. Headwalls and Rail: Hospital Systems Inc.
3. Technology Wall Station Mounting System: Human Scale V6 or V7
4. “No Substitution” or “Sole Source” request must be submitted by the project team if SpaceLabs Monitor channel mounting system is provided by the project.

11 8129 Facility Fall Protection

MUHC Engineering Services and MUHC Safety & Emergency Management shall be integral to all discussions related to fall protection.

1. Fall protection needs shall be evaluated for all roof mounted equipment.
2. All roof mounted equipment shall be mounted beyond the OSHA prescribed 6’ fall hazard area of the roof’s edge.
3. On low sloped roofs, the 6’ designated area boundary shall be marked. Reference 29 CFR 1910.28 for applicable information.
4. Interior equipment that requires access for maintenance and repair at elevation more than 4’ above finished floor shall be evaluated to determine if an engineered fall projection solution is required.

5. The Hierarchy of Controls as applied to fall hazards and risks at MU Health Care:
 - Elimination – Develop and implement revised work methods that preclude exposing workers to falls as first consideration.
 - Maximum use of passive fall protection – the use of passive engineering controls to isolate employees from a fall hazard:
 - Distance from the edge through use of low-sloped roof designated areas.
 - The use of designated walk paths.
 - Placement of guardrails systems as the primary means of work protection if workers are exposed to a fall risk within the six-foot zone.
 - Design for Safety – coordinate and advocate for fall protection strategies designed into all new construction and renovations.
6. Horizontal lifelines: As a general rule, MUHC personnel will not use horizontal lifelines, and they should not be installed. Potential application and installation will be considered on a case-by-case basis.
7. On low-slope roofs where work tasks must be performed within 6’ of the fall hazard edge, the use of a guardrail system shall be evaluated as the first course of action.
8. Roof access hatches shall be guarded.
9. Skylights and other rooftop penetrations shall be protected by either a guardrail system or skylight screen system capable of supporting at least 200 pounds to prevent workers from falling through the opening to the surface below.
10. Fall Prevention Through Location – low-sloped roofs and designated areas.

11. Fall risks on low-slope roofs can, in some instances, be mitigated by distance from the fall risk edge. Therefore, there are three fall risk zones:
- Six-Foot Zone: Fall Protection always required.
 - When work is performed less than six feet from the roof edge, fall protection is required in all cases.
 - Protection may be via a guardrail system, fall restrain, positioning lanyard, or PFAS.
 - Six to 15' Zone – Fall Protection may be required.
 - When work is performed at least six feet but less than 15 feet from the roof edge:
 - Fall protection is required if the task(s) are required on a frequent basis or if the task is not of a temporary nature.
 - Fall protection is not required in this designated area if the task is both infrequent and temporary.
 - Fall protection in this designated area may be via a guardrail system, fall restrain/positioning lanyard, or PFAS.
 - Greater than 15' zone – Fall Protection is conditionally not required.
 - When work is performed 15' or more from the roof edge, fall protection is not required provided procedures are in place and enforced that preclude worker from approaching within 15' of the roof's edge.

END OF SECTION