

MEDICAL CENTER SPECIAL REQUIREMENTS FOR DIVISION 21 – FIRE SUPPRESSION

2007 Edition, Published April 2007

The Special Requirements indicated in this appendix shall be incorporated in all Design Documents for Medical Center Projects. These Special Requirements consist of exceptions, revisions or additions to the base Building Design Standards.

21 00 00. FIRE SUPPRESSION

21 00 03. GENERAL PROVISIONS

.3.1 Existing fire pumps shall be flow and pressure tested by the fire protection contractor to confirm actual availability of water.

.5 Areas under renovation not currently having sprinklers shall be added as part of the project. Floor piping shall be sized such that provisions for future extension of sprinklers to all non-sprinkled areas of the floor and/or zone can be made. Areas of renovation having any sprinkler head type but semi-recessed shall be replaced as part of the renovation by a semi-recessed sprinkler head.

21 00 09. RELATED WORK IN GENERAL CONSTRUCTION

.2 Fire Hose Cabinets are not required.

21 10 00. WATER-BASED FIRE SUPPRESSION SYSTEMS

21 12 20. FIRE HOSE CABINETS AND ACCESSORIES:

21 12 20 FIRE HOSE CABINETS are not required by OSUMC.

.7 RENOVATION PROJECTS: Require that the OSU Medical Center Facilities Operations be advised to take possession, before construction begins, of existing fire extinguishers for safe keeping.

21 13 00. FIRE-SUPPRESSION SPRINKLER SYSTEMS

.4 DRY SPRINKLER SYSTEMS: Provide a low pressure switch on all system to detect a gradual loss of air pressure. Connect switch to fire alarm system as a distinct zone. Dry sprinkler systems shall be specified for areas susceptible to freezing temperatures, including but not limited to; dock areas, garage connectors, overhead building connectors, building overhangs/canopies, etc.

.4.1 Air compressor shall be on a dedicated electrical emergency circuit.

.5 No zone shall be dependent upon another zone. Each zone shall be capable of being drained and filled without draining another zone or the remainder of the sprinkler riser to facilitate repairs, etc.

.8 Sprinkler heads shall be semi-recessed, polished chrome with matching escutcheon in finished ceiling area. Concealed heads are not permitted, unless otherwise approved by OSU Medical Center Facilities Operations. Areas of renovation not having semi-recessed heads shall have the heads replaced to semi-recessed as part of the project.

21 13 00. FIRE-SUPPRESSION SPRINKLER SYSTEMS (Cont'd)

- .9 Fire suppression piping shall be Schedule 40 piping at a minimum. Schedule 10 is not permitted.
- .10 Operating rooms shall be suppressed with a pre-action fire suppression system.

END OF DIVISION 21 – FIRE SUPPRESSION