13025. INTEGRATED CEILINGS

13025.1 COORDINATION OF INSTALLATION: It is preferred that integrated ceilings be made a part of the General Contract and the General Contractor be required to coordinate the complete installation, including the work of the HVAC and Electrical Contractors. If the Consultant feels that such ceilings should be installed by either of the other contractors, he should discuss the matter with the University Architect during the review conference for Basic submittal. The Consultant's HVAC and electrical consultants shall be present at this discussion.

13090. RADIATION PROTECTION

13090.1 MATERIAL STANDARDS AND INSTRUMENTATION: Materials and equipment shall conform to applicable recommendations of the National Council on Radiation Protection and Measurements reports No. 33, 34, 35, and 36, and shall be furnished and installed in accordance with the Code of Federal Regulations, Title 21, Department of Health, Education, and Welfare (FDA Division). Installation shall be in strict adherence with manufacturer’s requirements and approved shop drawings.

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<th>NCRP Report No.</th>
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<td>33</td>
<td>Medical X-ray and Gamma Ray Protection for Energies up to 10 MeV-Equipment Design and Use</td>
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<td>34</td>
<td>Medical X-ray and Gamma Ray Protection for Energies up to 10 MeV-Structural Shielding Design and Evaluation</td>
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<td>Dental X-ray Protection</td>
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13090.2 TESTING: After the X-ray equipment has been installed and placed in operating condition, a radiation protection survey shall be performed by a qualified expert recommended by NCRP.

13090.3 LISTING REQUIRED: The University Office of Radiological Health and Safety has the responsibility of registering all sources of radiation generated by an electronic product, subject to Radiation Control for Health and Safety Act of 1968. A listing of all such devices, as well as all radioactive materials specified in the contract documents, shall be submitted by the Consultant to the University Architect with those documents. Devices include, but are not necessarily limited to:

- lasers and maser
- radar
- microwave generators
- electron microscopes
- infrasonic, sonic, and ultrasonic generators
- X-ray generators and accelerators
- electron welders
- diatherapy units
- infrared and ultra-violet sources
- TV sets (of the projection type only)

13120. PRE-ENGINEERED STRUCTURES

13120.1 ENGINEERING DATA REQUIRED: An analysis of framing and structural components is required. Data shall bear the seal and signature of a professional engineer, registered in Florida, attesting that the structures meet requirements of the specifications and comply with requirements of applicable codes. Copies of this data shall be submitted to the University Architect.