

Technical Letter
No. 1110-3-491

1 May 2001

EXPIRES 31 MARCH 2005
Engineering and Design
SUSTAINABLE DESIGN FOR MILITARY FACILITIES

1. Purpose. This letter provides basic criteria and information pertaining to the incorporation of sustainable design concepts in the design and construction of Military facilities.
2. Applicability. This letter applies to all HQUSACE elements and USACE commands having Army military construction and design responsibility.
3. Distribution. Approval for public release; distribution is unlimited
4. References. See Appendix A.
5. Objective. Sustainable Design is the design, construction, operation, and reuse/removal of the built environment (infrastructure and buildings) in an environmentally and energy efficient manner. The major tenet of sustainable design is to meet the needs of the present without compromising the ability of future generations to meet their own needs. Synonymous with Sustainable Design is "Green Building." Sustainable design includes efficient use of natural resources, better performing, more desirable, and more affordable infrastructure and buildings. Sustainable design incorporates the energy efficiency concerns of the 1970's with the concerns in the 1990's related to damage to the natural environment; emissions of greenhouse gases and ozone depleting chemicals; use of limited material resources; management of water as a limited resource; reductions in construction, demolition and operational waste; indoor environmental quality; and occupant/worker health, productivity and satisfaction. This ETL provides designers with guidance on sustainable design for the design and construction of all new Army facilities, and the rehabilitation/renovation of existing facilities.
6. Action. The guidance in Appendix B to this technical letter will be used for planning, design and construction of Army facilities to incorporate Sustainable Design or Green Building concepts. Effective immediately all of our design for military facilities shall phase in SDD and shall strive to achieve SPiRiT Bronze level AS DEFINED IN Appendix C.

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7. Implementation. This technical letter will have immediate application, as defined in paragraph 6c, ER 1110-345-100.

FOR THE COMMANDER:

3 Appendices

APP A - References and Bibliography

APP B - Sustainable Design for Military
Facilities

APP C - Sustainable Project Rating Tool
(SPiRiT)

For 

DWIGHT A. BERANEK, P.E.

Chief, Engineering and Construction Division
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