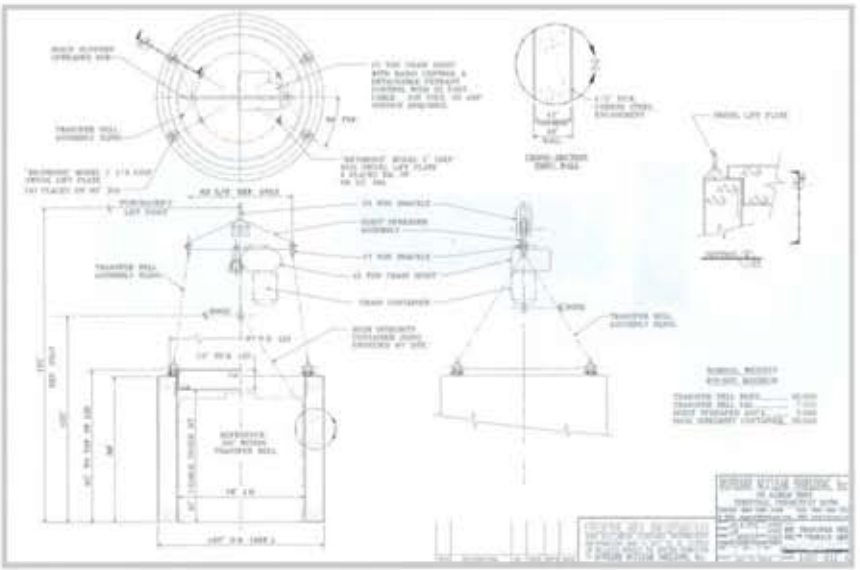
DUFRANE NUCLEAR SHIELDING, INC.

125 Price Road ~ Winsted, CT 06098
Phone: (860) 379-2318 ~ Fax (860) 379-2325
Visit Us On The Web! www.dufrane.com ~ Email: support@dufrane.com

DUFRANE NUCLEAR SHIELDING DESIGN: MODULAR/REUSABLE/COST EFFECTIVE

TRANSFER BELLS

The function of a Transfer Bell is to safely move a LLW Container/HIC from the Waste Process Area to a Secure Environmental Container (SEC™) at the site's interim Storage Pad, or any similar operation. The Transfer Bell assembly consists of two major components, the bell section and the lifting apparatus. A typical cross section of 11" concrete encased within 1/2" steel inner outer shells provides 2 3/4" of lead equivalent (Co60) shielding. A similarly constructed Lid is provided to permit the Transfer Bell to be used as a temporary storage shield. The 78" diameter and 80" height to the Lid are usable internal dimensions suited for a nominal 200 cubic foot model, High Integrity Container (HIC). The vibratory compacted concrete is rated 5,000-PSI compressive strength at twenty-eight days with a density of 150 PCF. All surfaces are prepared and coated with a two-part epoxy system.



DUFRANE will work closely with you, your site ALARA coordinator, and your engineering team to assure the best design for each application. At the time you anticipate the need for Transfer Bells, please initiate a discussion with us.

You've Got a Problem...We've Got a Solution!