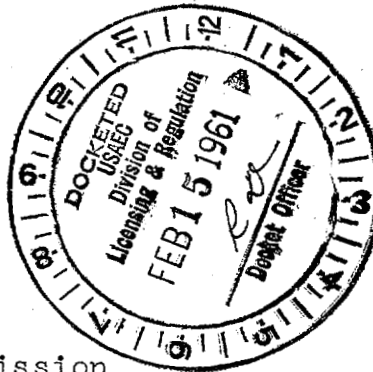


ENGELHARD INDUSTRIES, INC.

D. E. MAKEPEACE DIVISION

PINE & DUNHAM STREETS
ATTLEBORO, MASS.

ATTLEBORO 1-0090

MYrtle-5-9358

February 13, 1961

U.S. Atomic Energy Commission
Division of Licensing and Regulation
Germantown, Maryland

ATTENTION: Mr. John Lane

Reference: Docket 70-139 SNM - 185 Telegram 2/10/61

Gentlemen:

With reference to your telephone call of 2/10/61, the following additional information should be incorporated into our request for license amendment dated 12/23/60:

Charge weight of 4.6 Kg. U-235 falls well under safe mass limit of 11 Kg. U-235 (Ref. TID-7016, Table 1, Page 7) for thick water reflector. This would assure a safe condition in the event of a cooling coil rupture in the melting furnace.

Hot rolled plates will be separated by 12" edge-edge during all subsequent operations or storage, prior to vacuum annealing (Ref. TID-7016, Page 13, Rules for Interacting Units, Paragraph 3). The vacuum annealing operation will be omitted from the process along with the flash pickling operation.

After the shearing operation, plates will be divided into lots of six (6) plates maximum (1320 gms. U-235) which will be separated by at least 12" edge-edge from each other. When in storage or transit, plates in each lot will be stacked to form a slab which is .342" thick, to conform with the safe slab thickness of 0.7" for thick water reflection (Ref. TID-7016, Table 4, Page 8). In process storage is done in a locked, caged area under Criticality supervision.

Route cards and process sheets which travel with the material, specify the Criticality Control limits applicable to each operation. The responsibility for adhering to these limits rests with the area supervisor who in turn, is monitored by Criticality

Cyrt. [Signature]

February 13, 1961

U.S. Atomic Energy Commission
Division of Licensing and Regulation
Germantown, Maryland

Control personnel. The dimensions of the tank to be used for pickling of the hot rolled plates are 12" wide by 84" long by 12" high. The volume of solution to be used is 9 gallons.

Shipment of finished pieces to M & C Nuclear Corp. will be made in the same container which is to be used for final shipment. A drawing of the container is enclosed (SK-83). There will be no commingling of uranium during shipment to and from M & C Nuclear.

Should further information be required, do not hesitate to telephone collect. We would appreciate your prompt attention to this request since fabrication and shipment must be completed by March 1961.

Very truly yours,

Norton M. Weiss
Norton M. Weiss
Health & Safety Manager

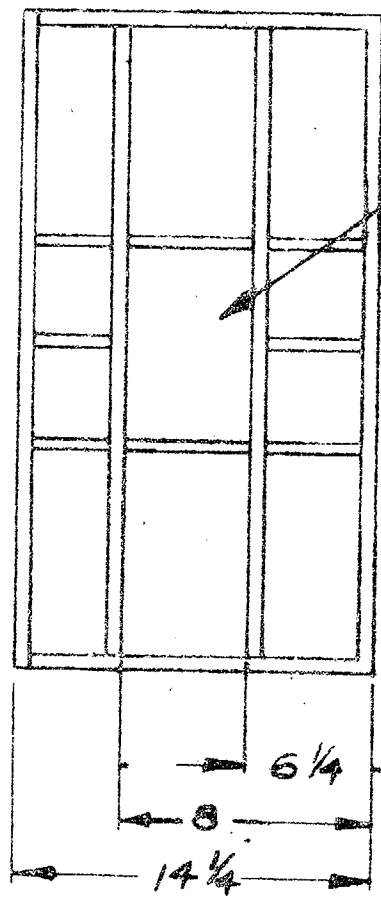
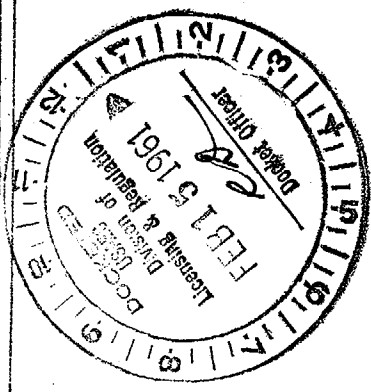
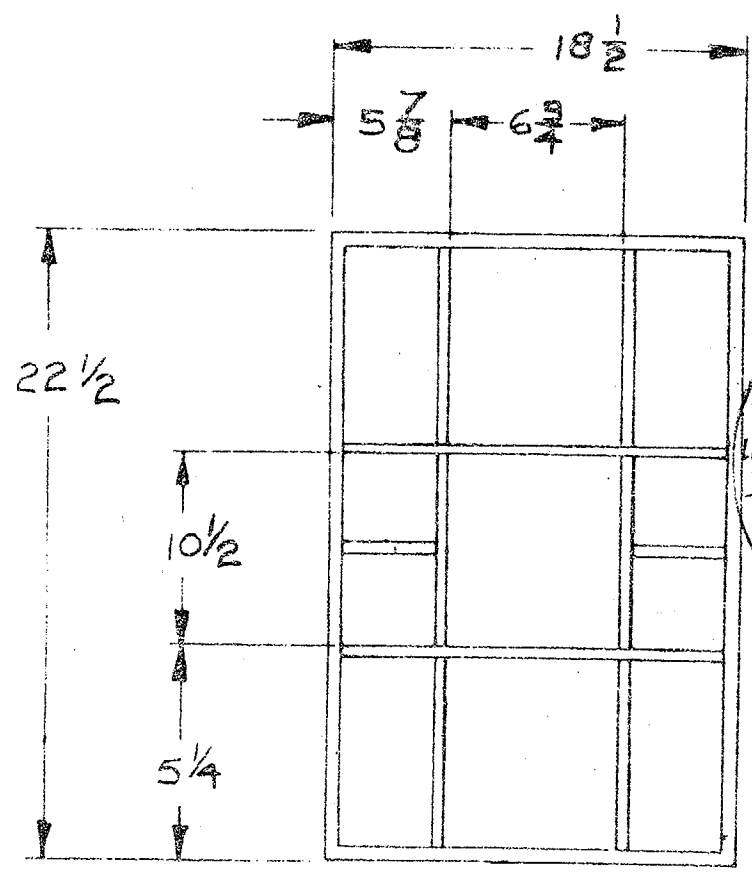
NMW/sl

ENC:

DOCKET NO.

20-1

CHG. LET.	DESCRIPTION	DATE	BY	APP.	CHG. NO.
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OKURA UNITS
INCLOSED IN A 600
SHEET METAL CONT.
WITH BRAZED OR
SOLDERED CONST.
W/ 1/2 SPONGE
RUBBER PROTECTION
FOR UNITS

NOTE
TOP TO BE STRAPPED TO BOX
AFTER ELEMENT IS PACKED
W/ STEEL STRAPPING

G-2	G-1	ITEM NO.	DRAWING NO.	DESCRIPTION	PROJECT NO.	USED ON ASS'Y
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TOLERANCES UNLESS OTHERWISE SPECIFIED
DECIMAL ± .003
FRACTIONAL ± 1/64"
ANGULAR ± 1/2°
BREAK ALL SHARP EDGES
REMOVE ALL BURRS

APPROVED	DATE	FINISH & SPECIFICATION
DRAWN <i>C. E. ...</i>	2/14/61	MATERIAL & SPECIFICATION
CHECKED		PLYWOOD ALL
APPROVED		SCREWED CONST.

TITLE
**SHIPPING CONTAINER
FOR OKURA CONVERTER**

ENGELHARD INDUSTRIES, INC.
D. E. MAKEPEACE DIVISION
ATTLEBORO, MASS.

SCALE	SIZE	DRAWING NO.	REV.
~	A	SK-83	

20-1-39