November 30, 1966

Trip Report

Objective: Engineering Consultation with Lancaster Glass represenatives; View panel bake equipment at GE Industrial Heating Department.

Results: (1) Design parameters for 13" Color bulb glassware were reviewed and adjusted for compatibility with respect to glass forming abilities.
(2) The panel bake oven appears extremely well engineered and should provide adequate performance facilities.

Persons Contacted: R.D. Oldham - Lancaster Chief Engineer
B. Greenlee - Lancaster Sales Manager
W. Zabrieski - Manager Manufacturing Industrial Heating Dept.

Discussion

The visit to GE Industrial Heating Department was made to view the new equipment to be utilized for color panel bakeout. The equipment is in final stages of manufacturing with the initial shipping date of 11-23-66 for completed sections. The equipment is extremely "rugged" in appearance and has design features which should include the desireable function of continuous operation with minimum maintenance needs. The furnace sections appear sufficiently complete to permit minimum erection time at final location. Some indications of possible over-design were noted but nothing that will inhibit the equipment's desired function were evident.

The 13" bulb design drawings were reviewed with Lancaster engineering. Several alterations were suggested which would provide improved conformity with respect to standard glass forming techniques. The important parameters, such as screen boundaries and inside face contours, were not affected. The need for urgency of receipt of glassware samples to permit tube development at Syracuse was stressed. Lancaster's engineering and plant facilities are extremely overloaded but they felt that mold completion and samples by March 1966 was possible. The mold shop utilized by Lancaster is at peak capacity and such "avenues" as overtime to improve delivery times are not available. It is felt that continuous liason with Lancaster should permit realization of samples delivery by March 1966.

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