

12/18/91 - CONVERSATION W/ BOB SALO AT SQUIRY CONCERNING

E-BEAM WELDING

- ESTIMATE THE USE OF RESURFACED MATERIAL
- 4140 WILL REQUIRE PRE HEATING AS WELL AS POST HT.
- DIFFICULT JOINT TO WELD
- WILL REVIEW SAMPLE WITH INDIVIDUALS AT SQUIRY
- TEL (708) 594-9212

TERENTI SQUARY

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12/19/91 - BOB SALO -

- WELD JOINT DOES NOT LEAD ITSELF TO E-BEAM WELDING
- SHOULD HAVE FILLER MATERIAL APPLIED (E.G. ARC WELD)
- NOT HAVE EFFECT AT BEGINNING OF WELD
- EQUIPMENT COST APPROX \$100K FOR SYSTEM TO PREHEAT AND POST HEAT
- RECOMMEND HARD WELD MACHINE WITH BATCH LOADING
- SUGGESTED INVESTIGATING ARE WELDING OR POSSIBLY LASER WELDING
- LASER WELD ALSO WORK FOR LESS EQUIPMENT COST AND MAY PRODUCE BETTER WELD
- CONT. REFINISHING FOR POSSIBLE LASER ENHANCEMENT