

C E R T I F I E D

16 May 1966

25X1

[Redacted]

25X1

Subject: [Redacted] Progress Report - April 1966  
Project [Redacted]

25X1

25X1

Gentlemen:

Enclosed is a copy of [Redacted] Progress Report  
on Project [Redacted] for the period covered April 1966.  
Also included is a copy of our Financial Report for this  
period.

25X1

25X1

Very truly yours,

[Redacted Signature]

25X1

LHB:rf  
Enc: (1) P.R.  
(2) F.R.

[Redacted]

25X1

Declass Review by NIMA / DoD

25X1

25X1


C E R T I F I E D

16 May 1966


25X1



25X1


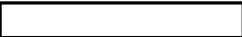
Subject:  Progress Report - April 1966

25X1

Project 

Gentlemen:

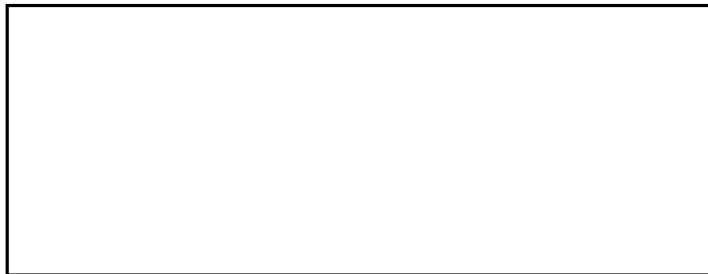
25X1

Enclosed is a copy of  Progress Report  
on Project  for the period covered April 1966.  
Also included is a copy of our Financial Report for this  
period.

25X1

Very truly yours,

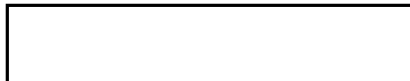
25X1



LHB:rf

Enc: (1) P.R.  
(2) F.R.

25X1



25X1

25X1



PROGRESS REPORT

Period Covered: April 1966

25X1

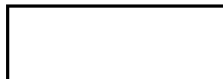
Document No.:



Dated: 11 May 1966

PRESENT STATUS

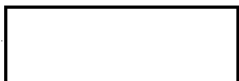
25X1



Mechanical and electrical assembly is completed and equipment is ready for delivery.

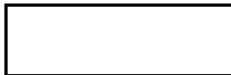
A center shade to mask out the illuminated strip between adjacent films has been installed, servo performance improved, audible noise reduced, solenoid covers installed and other problems existing at the customer's visit on April 11 have been resolved.

25X1



Fabrication of parts is completed and mechanical assembly 50% finished.

25X1



Fabrication of parts 95% complete with the few parts required for the high intensity light source and the main casting being the major unfinished areas. Assembly of main gear box is approximately 20% complete.

25X1 PROBLEM AREAS

25X1 [redacted]

In an attempt to reduce the 60 cycle hum emanating from the light source, the lamp was disassembled and a silicone rubber compound was placed between the tube grid and the supporting pan. This was effective in reducing the audible noise, but required the raising of the tube grid about 1/16 of an inch closer to the diffusor. Subsequent measurements of light intensity variation revealed that the uniformity had been degraded to a 15% variation over the 11 x 18 inch format.

25X1 [redacted]

The fabrication of this unit has been held up considerably due to delays in obtaining the main casting and problems encountered in the sub-contract machining operations. It is estimated that the [redacted] mechanical assembly will be completed on 5/18/66; electrical completed 5/25/66, and equipment ready for inspection the week of June 6, and [redacted] about two weeks later. 25X1

PROJECTED WORK FOR MAY

25X1 [redacted]

25X1 [redacted] Unit will be ready for demonstration [redacted] 25X1  
[redacted] any small changes suggested by the customer's representative will be incorporated and the unit will be delivered.

25X1 [redacted]

Mechanical and electrical assembly will be completed and final checkout begun.

25X1 [redacted]

Mechanical assembly will be 80% completed.

25X1

SUMMARY OF CORRESPONDENCE

Meeting April 11, 1966

25X1

25X1

During the above referenced visit, [ ] was displayed and operated, and the customer's representative [ ] had the following comments.

25X1

25X1

A) Noise

Customer's representative felt that the noise produced by the light source and the tensioning solenoids was objectionable. [ ] agreed to investigate to see what could be done.

25X1

B) Mask Between Films

Customer's representative said he would like to have a mask to block out the strip of light between films when the equipment was used with two 5 inch or 70mm films [ ] indicated that this was a new requirement not specified in the customer's Design Objectives, nor in [ ] proposal. [ ] indicated that the problem would be investigated to see what was technically feasible at this stage of the development. This request was also applicable to the [ ] designs.

25X1

25X1

25X1

25X1

C) Customer's representative wanted a cover plate over the electronics on the tilting base [ ] said this would be done.

25X1

D) The customer's representative wanted a cover over the rotary tensioning solenoids to prevent the operator's hand or arm from accidentally contacting the hot solenoids [ ] agreed that this would be done.

25X1

25X1 E) The customer's representative requested that something be done to prevent the handwheels from spinning when operating in the automatic slew mode [ ] indicated this was due to the friction between the handwheels and their shafts and that a certain amount of this was unavoidable because the detent device must apply enough pressure to keep the handwheels in the engaged position when the unit was tilted forward 45 degrees. 25X1

25X1 [ ] said that we would try to adjust the handwheels to minimize this tendency.

25X1 F) The customer's representative requested labelling of all switch and controls and addition of index marks on the automatic slew controls to indicate the center or non-driving position [ ] agreed that this would be done.

In addition, there were various mechanical and operational problems which were present due to the hasty preparation of the equipment for demonstration [ ] indicated that all these problems and interferences would be remedied immediately. 25X1

Telephone Conversation [ ] on April 14, 1966 25X1

25X1 [ ] indicated that there appeared to be no practical way of adding a center shade except to supply a removeable shade which would clip on the tensioning rollers. [ ] indicated that anything more than this would really represent a change in scope of the development. [ ] did not like the idea of a separate clip-on center mask and that something better should be found which could be included in the design without necessitating a change in scope. [ ] indicated that the inclusion of such a feature in the design would be a considerable improvement in the instrument and would enhance the usefulness of the light table. 25X1

25X1 [ ] said we would investigate further.

Telephone Conversation [redacted]

on April 15, 1966

[redacted] reported that the only practical solution to the problem of adding a center mask would be to use a half opaque - half transparent continuous Mylar film which could be mounted under the glass and around the light box so that either the clear or opaque section could be positioned over the illuminated area. The clear would be used when a 9 1/2 inch film was being viewed, and the opaque when two films were used [redacted] indicated that the most transparent Mylar film available would be used, but that it would still be visible on the illuminated area.

25X1

25X1

[redacted] indicated the cost of this addition [redacted] would be about [redacted] but that it appeared that this addition would not cause us to exceed the contract target cost. It was agreed that, this being the apparent situation, that the shade would be incorporated without requesting a change in contract scope.

[redacted] indicated that similar shades could be installed on the [redacted] designs but this would require further investigation.

Telephone Conversation [redacted]

April 21, 1966

During the above referenced telecon, whose primary purpose was to discuss when [redacted] would be ready for a second demonstration, [redacted] indicated that shades similar to that being assembled [redacted] were being designed [redacted] It was also indicated that the cost of these changes would not cause our exceeding the contract target cost and, therefore, it would be done without seeking a change in scope.

Financial Report

The Financial Report for the month of March is included.

