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| TRANSMITTAL SLIP | | DATE 28 March 66 |
| TO: [Redacted] | | |
| ROOM NO. | BUILDING | <i>70 [unclear] 30 March 66</i> |
| REMARKS: This is a copy of the Discussion Items brought up at the Progress Review Meeting, 7 and 8 February 1966 concerning Contract [Redacted] | | |
| [Redacted] | | |
| FROM: | | |
| ROOM NO. | BUILDING | EXTENSION |

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FORM NO. 241
1 FEB 55

REPLACES FORM 36-8
WHICH MAY BE USED.

☆ GPO : 1957-O-439445 (47)

Declass Review by NGA.

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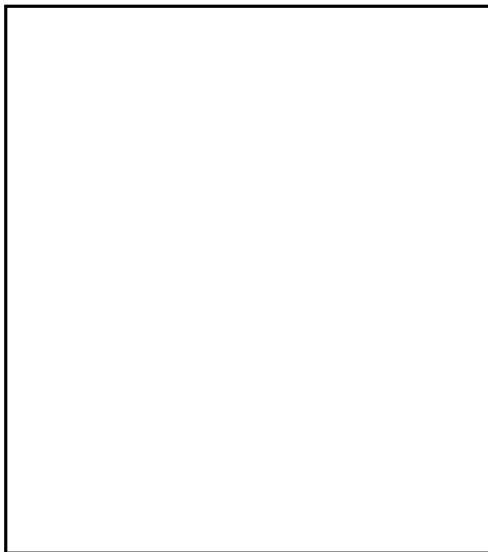
This Document Contains
5 pages.

7 March 66

25X1 SUBJECT: Contract Progress Review Meeting, 7 and 8 Feb 66

1. In accordance with the customer's request, a meeting was held at the contractor's facility on 7 and 8 Feb 66.

PERSONNEL PRESENT



DISCUSSION

4. PAR 214, Roller Transport Processor (12-Inch) -

a. Progress toward a solution to the pinhole problem using polyethylene covered Kralastic rollers was discussed. The bleach rack with epoxy side plates and solid polyethylene rollers was inspected. The presence of particles embedded in the rollers was noted.

b. As soon as possible, polyethylene covered rollers will be fabricated on PAR 214 for the inside positions of all racks. When ready, these rollers will be installed in the processor on site against PAR 238.

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5. PAR 215, Roller Transport Processor (24-Inch)

a. Samples of lead tab techniques checked out on our paper Versamat were inspected. Two methods look promising enough to test on the RT-24. We agreed to prepare samples for []

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[] to run through the machine on 15 Feb 66.

b. Production, in [] has been making use of the RT-24 for the last several weeks with generally good results by taping prints to each other to make a long strip. Sometimes wide prints will mistrack enough to damage the edge.

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c. The order handling method used is the same as that for the tray line. A man picks up a single order from the print room, feeds it into the RT-24, and waits for it to be processed. An order may consist of one to thirty prints, usually of a single size. [] agree that this is not a very efficient way to use the RT-24. Studies by [] indicate that the tray line is three times as fast as the RT-24 when this method is used.

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d. It was suggested that the customer test for pinholing as soon as possible to determine whether they should request new rollers for the RT-24. A longer time will be required for fabrication of the long rollers since special stock will be needed.

6. PAR 233, 6X to 60X Zoom Projection Lens

a. We described to the customer the content of the January progress report, including a revision of the expected system arrangement, and the expectation that the system transmittance will be

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around 2% to 10% for short wavelengths.

b. The expected transmittance is to be reviewed with more current glass data.

c. Guidance from the customer regarding the usefulness of a system with such low transmittance was requested.

7. PAR 242A, Color Demonstration Material - The delay in completion of PAR 242A because of mission activity was discussed. It did not appear that this would cause the customer serious trouble as long as we are able to deliver by 1 Apr 66.

8. PAR 243, Briefing Print Enlarger (Prototype)

a. For exposing Polycontrast paper, the customer will accept an arrangement in which the lamphouse filters can be easily changed and three standard PC (contrast control) filters can be installed. This arrangement is less flexible than the previously discussed two-color sequential exposure system, but development effort is not required to:

- (1) Select suitable filters, and
- (2) Test the sensitometry of Polycontrast paper with the filters.

b. The use of PC filters will require engineering effort only to:

- (1) Adapt the BPE design, and
- (2) Test the image quality of the sample lenses

with Polycontrast paper.

Such effort can be included as a revision to PAR 243 and does not require authorization of development activity as a separate project.

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c. The contractor made test prints of a []

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[] high-contrast test target at 10X and 40X. Exposures were made as exposure series:

- (1) On axis and at about 17° off axis at 10X, and
- (2) On axis at 40X.

These prints were compared and will be compared further with similar prints made on the customer's 10-20-40X Enlarger.

d. The contractor also made a focus series print at 40X for a focus range of ±.0015 inch in .0005 inch steps to explore the effect upon relative line densities in the three line groups. The density difference within each group still looks like a problem related to the targets.

e. The contractor will submit as soon as possible a revision, PAR 243A, which will include:

(1) The requested design changes and additional items, and

(2) A draft of the performance specification for the prototype enlarger requested by [] (A rough listing of items for the performance specification was discussed at the meeting.)

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f. There is continuing interest in a proposal for lenses to extend the magnification range upward to about 150X. We have delayed submitting a proposal until more complete tests can be made of the two 40X to 60X lens samples. We now expect to propose two lenses scaled from the 40X to 60X black-and-white design which will provide magnification capability for black-and-white enlargements only.

g. The content of the January progress report was discussed.

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ACTION ITEMS

9. Contractor:

a. PAR 214, Roller Transport Processor (12-Inch):

Fabricate covered rollers, and install in the processor on the site against PAR 238.

b. PAR 242A, Color Demonstration Material:

Deliver material by 1 Apr 66.

c. PAR 243, Briefing Print Enlarger (Prototype):

- (1) Submit revision, PAR 243A.
- (2) Submit proposal to extend magnification range of BPE.

10. Customer:

a. PAR 215, Roller Transport Processor (24-Inch):

Test for pinhole to determine need for new rollers.

b. PAR 233, 6X to 60X Zoom Projection Lens:

Discuss with contractor usefulness of optical system having 2% to 10% transmittance.

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