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MEMORANDUM FOR THE RECORD

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SUBJECT: Trip Report, [redacted] OL/RECD - [redacted] and [redacted] 30 March - 11 April 1969

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1. Principal purposes for this trip were as follows:

a. Review the status of design work on the proposed new receiver base station for the Office of Communications' requirements in [redacted] Site of the proposed station is [redacted] 25X1A
[redacted] The present base station is located [redacted] 25X1A
[redacted] Design of this station has repeatedly fallen behind schedule.

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(SUMMARY: Virtually no Architect-Engineer (A&E) effort since November 1968, apparently due to his refusal to do further design until all requirements relayed to him by [redacted] 25X1A
[redacted] appears to have made no effort to encourage the A&E to proceed with a multitude of design tasks for which requirements were already available - particularly in the structural and mechanical design. The A&E has now provided the following schedule for completing his work: (Information not available at this time).

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[redacted] agreed to provide weekly status reports. Following completion of design, one month must be allowed for review by [redacted] and Headquarters, plus two additional months for advertising of the job and consequent award to the successful bidder. Estimated time for beginning construction is thus NA 1969; approximately one year will be required to complete the job.)

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b. Review the status of the new warehouse to be constructed in [redacted] The Office of Communications has no requirement for this facility, but it will be employed for normal Office of Logistics' requirements.

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(SUMMARY: Design has been completed and drawings will be RECD [redacted] to Headquarters in the near future. The [redacted] 25X1A
[redacted] has approved the plans and funding; bids [redacted] are to be solicited immediately. Completion is estimated for [redacted] 25X1A
[redacted] April 1970. In the interim, [redacted] has built a temporary [redacted] 25X1A
[redacted] warehouse for us at [redacted] needed the old [redacted] 25X1A
[redacted] warehouse urgently for expansion. This information was [redacted] 25X1A
[redacted] provided by [redacted] 25X1A.

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- C/Eng [redacted]
- APPROVAL [redacted] 25X1A
- COMMENT [redacted]
- CONCURRENCE [redacted]
- INFORMATION [redacted]
- PREPARE REPLY [redacted]
- RETURN [redacted]
- FILE [redacted]

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SUBJECT: Trip Report, [redacted] OL/RECD - [redacted]
[redacted] 30 March - 11 April 1969

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c. Review the status of construction on the new receiver base station for the Office of Communications' requirements in [redacted]. This station is located at [redacted]. Construction started in December 1968. 25X1A

(SUMMARY: As of 10 April 1969, the job was 12.5% complete; completion date has slipped from 8 December 1969 to 5 January 1970. The general contractor proposes to make up this lost time, but this estimate is unlikely. There are already some indications that the mechanical contractor is the weak link and will probably be responsible for future slippages. The Commo engineers in [redacted] are doing an excellent job of monitoring the construction as well as answering the numerous incidental questions that the contractors ask. An additional \$50,000 funding is required; and FY-68 funds will be sought to meet this.)

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d. Review the scope of work for the proposed new transmitter base station to meet Office of Communications' requirements in [redacted]. This station will continue to be located at [redacted].

(SUMMARY: The review was completed. Proposed sites #5 or #6 are preferred. Funds will be made available to the [redacted] in the near future through normal Office of Logistics correspondence.) 25X1A

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e. Review the status of modifications and repairs to the recently completed housing units at [redacted]. 25X1A

(SUMMARY: Urgent repairs have been completed, although not in a permanent manner. All necessary repairs and modifications will be completed, some at no additional cost and others within available funding. It should be noted that, in response to our "prodding", [redacted] has agreed to \$100,000 being available for withdrawal from the original \$902,000 provided; the only discrepancy in this is that [redacted], advised [redacted] that \$175,800 could be withdrawn. [redacted] will resolve this discrepancy. It is possible that still more funds may become available for withdrawal if repair work can be accomplished for less than the \$50,000 that [redacted] retained for contingencies.) 25X1A
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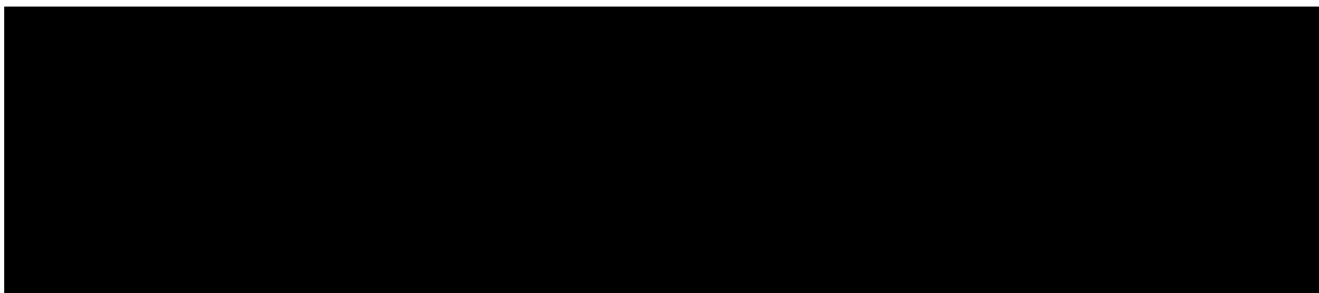
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25X1A SUBJECT: Trip Report, [REDACTED] OL/RECD - [REDACTED] and
25X1A [REDACTED] 30 March - 11 April 1969

25X1A f. Review the status of proposed weatherization design
work for [REDACTED] warehouse at [REDACTED] 25X1A

25X1A (SUMMARY: It is estimated that work will begin in late May
and will be within the \$14,800 funding already provided.
25X1A [REDACTED] provides additional details as to how the
weatherization is to be accomplished; viz., two new doors,
25X1A one of which will be motorized; and some translucent
plastic sheets in the roof, together with miscellaneous
air sealing where necessary.)

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2. A more detailed summary of this trip is attached.



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Attachment

Distribution:

- Orig - OL/RECD Official w/att
- 1 - OL/RECD/EB Chrono w/att
- 1 - OC/SCD w/att
- 1 - OC/CCD w/att
- 1 - D/L w/att
- 1 - OL/RECD Reader File w/att
- 1 - OL/RECD/TFC w/att

25X1A ^{K 4/18/69} OL/RECD/EB, [REDACTED] eac/3023
(16 April 1969)

Approved For Release 2000/06/14 : CIA-RDP78-06505A000300100027-4

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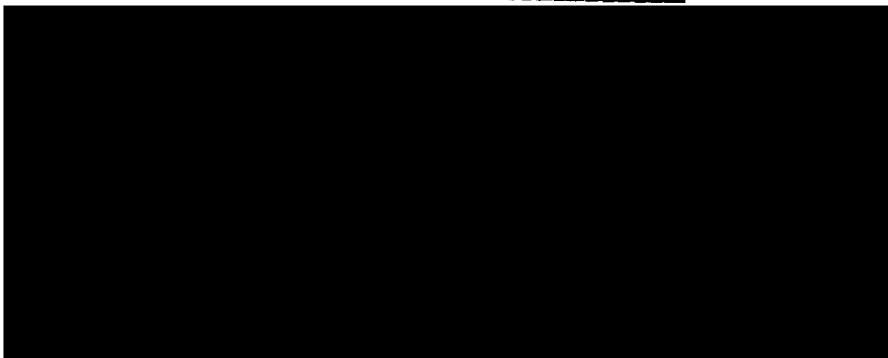
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1. The following detailed notes pertain to [REDACTED] TDY to [REDACTED] during the period 30 March thru 11 April 1969.

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2. PRINCIPAL PERSONNEL CONTACTED DURING TRIP:



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3. MISCELLANEOUS ITEMS PERTAINING TO [REDACTED]

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a. The following information was given to [REDACTED] in order to resolve various details concerning the construction of the [REDACTED] receiver station:

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(1) We will supply and install the balance alarm switches on the exterior doors to Corridors 106 and 116; we will also supply and install the alarm monitor panel for this system; the Contractor will furnish and install the conduit. (ACTION - COMMO)

(2) The Contractor will furnish and install the anchor bolts for the microwave tower. (Note: If the tower supplier is furnishing American threaded nuts for these bolts, we must specify American threads on the anchor bolts and supply the necessary taps and dies) (ACTION - COMMO)

(3) We will furnish and install all components of the paging system, except for the conduit and outlets which are to be furnished and installed by the Contractor. Conduits will be terminated in the Link Equipment Room. (ACTION - COMMO)

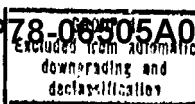
(4) The Contractor shall plug all empty conduits to prevent debris, insects, rodents from entering. Contractor shall install pull wires in all empty conduits.

(5) The Contractor shall provide bushings on both ends of conduits thru which the coaxial cables will enter the building.

(6) The Contractor shall extend two 2½" conduits from the Link Equipment Room to at least 3' outside the building. This conduit will be for telephone cables.

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(7) The Contractor shall make his own template for installing the anchor bolts for the radome. The supplier of the radome [redacted] furnishes nuts for these anchor bolts; hence it was agreed that we would furnish the anchor bolts in order to assure proper threading. (ACTION - COMMO)

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b. Since some minor damage was noted on the crates containing the new switchgear and load bank, the packing was partially removed in order to make a more thorough inspection. The switchgear was dry and undamaged; the load bank was very wet but undamaged; the NiCad batteries (which were shipped with electrolyte in them, contrary to specs) were wet with electrolyte but apparently undamaged; the battery charger was both wet and damaged (broken meter due to completely inadequate packing). [redacted] requested instructions for storing the NiCad battery bank. (ACTION - COMMO)

c. Inspection of the load bank revealed it to be wired for 220 volt delta contrary to the 380/220 volt wye system to be used. The only available Powercon drawings (16888-D series) confirm this incorrect wiring, although the Bill of Materials specified this particular load bank to be 380/220 volts wye and identifies the load bank drawings as 16888-B. The necessary corrections and revised drawings should be forwarded to [redacted] (ACTION - COMMO)

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d. [redacted] agreed to obtain the maps of the [redacted] area that OC-ES had requested thru [redacted]. The maps will show the correct routing of the [redacted].

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e. Inspection of available drawings indicated that there MAY be a restriction on antenna tower heights at the transmitter site. The restriction was interpreted to be 141'. [redacted] agreed to inquire thru available [redacted] as to the accuracy of this possible restriction. (ACTION - COMMO)

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f. [redacted] has resolved the questions pertaining to availability of the [redacted] construction crew which has been so helpful in the past. This crew will be available for antenna erection work at the [redacted] site.

g. [redacted] advised that they had modified the SY-3 equipment to obtain acceptable performance. [redacted] recalled that the SY-3 prototypes had had a DC supply to the light bulb; the production models in [redacted] have an AC supply. The resultant 50 cycle modulation on the signal created a "gravelly" effect. [redacted] designed and installed a DC supply, and the problem disappeared. It may be possible that a 60 cycle AC supply does not introduce noticeable AC modulation on the signal. (ACTION - COMMO).

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16 APR 1969

Approved For Release 2000/06/14 : CIA-RDP78-06505A000300100027-4

25X1A

h. [redacted] is using one of the TMC 125 KVA generators which were originally shipped for the [redacted] job. I noted that the TMC drawings furnished with the generators are not accurate in regard to wiring details, whereas drawings that OC-SCD recently dispatched to [redacted] do show correct wiring. This discrepancy should be resolved formally. (ACTION - COMMO)

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4. MISCELLANEOUS ITEMS PERTAINING TO [redacted]

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a. The new switchgear is now in use. Some trouble was encountered in activating it, as the controls had been predicated on the use of an UPS which was not furnished. This difficulty was resolved. Another difficulty remains. There appears to be no way of automatically starting the second generator if the preferred unit fails; this problem is significant when commercial power has also failed. (ACTION - COMMO)

b. The commercial ring bus at the transmitter station is scheduled to be converted to 11,000 volts later this year. The present voltage is 3300 volts. [redacted] is thinking of purchasing a 1000 KVA transformer bank which exceeds present maximum demand of 250 KW by an unusually large amount; the 1000 KVA transformer is estimated by [redacted] to cost about \$2,500. A 750 KVA bank would cost approximately \$2,000. At the present time the transformer bank comprises two 150 KVA units. (ACTION - COMMO)

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c. The 1" taps and dies arrived for the radome anchor bolts. Unfortunately, [redacted] had overlooked the fact that some 1-¹/₄" anchor bolts were also to be installed. We agreed to use [redacted] threads, but it should be noted that these will not mate with the manufacturer-supplied American threaded nuts. (ACTION - COMMO)

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d. There have been some construction difficulties due to the fact that the [redacted] seems to have failed to pass the January 1969 set of radome shop details to [redacted]. These are currently being resolved.

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e. The only [redacted] "acoustical" tile that meets [redacted] fireproofing requirements is an "Asbestolux" tile. This appears to be too rigid for preventing excessive reverberation, and it also appears to produce a rather fine dust. Hopefully, painting will reduce the dust problem, but only experience will indicate how satisfactory the acoustical properties may be. [redacted] is using this tile in other jobs, but we could not obtain any reading as to its performance.

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