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4A-108

1705

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Operations Branch

DATE: 14 June 1950

25X1A

FROM : Acting Chief, Engineering Branch

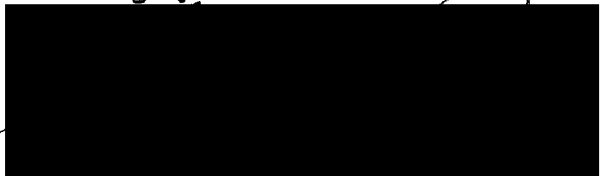
SUBJECT: Building Requirements for Proposed [REDACTED] Station, Project [REDACTED]

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1. The attached floor space requirements are based on a consideration of operational requirements outlined in the informal discussion held between Operations Branch and Engineering Branch personnel on 13 and 14 June 1950.

2. The general nature of construction should be in keeping with local custom as modified to suit the Agency's special requirements. A one story structure having approximately 15 foot ceilings is desirable throughout with the exception of the transmitter room and control room in the Transmitter Building. For these two rooms, an increased ceiling height of 20 to 25 feet will be required to house the antenna feed lines and switching system.

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BUILDING REQUIREMENTS

STATION

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TRANSMITTER SITE

SQ. FT. FLOOR SPACE

Transmitter Building

Transmitter Room	3500
Maintenance Room	600
Control Room	800
Office	300
Living Quarters, 6 Men	750
Kitchen	225
Dining Room	300
Storage	400
Toilets and Showers	225
Generator Room	<u>2000</u>

Total 9100

Garage

400

RECEIVER SITE

Operations Building

Operating Room	2000
Maintenance Room	600
Teletype Room	600
Hand Cipher Room	400
Supervisor's Office (Traffic)	225
Station Chief's Office	225
Operations Office #1	225
Operations Office #2	225
Clerical Office	350
Finance and Administrative Office	225
Storage	400
Operating Supplies	225
Vault	150
Living Quarters, 6 Men	750
Dining Room	400
Kitchen	250
Toilets and Showers	<u>350</u>

Total 7600

Garage and Repair Shop

1000

Generator Building

1500

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TO : Chief, Operations Branch
FROM : Acting Chief, Engineering Branch
SUBJECT: Communications Equipment for Proposed [redacted] Station, Project [redacted]

DATE: 15 June 1950

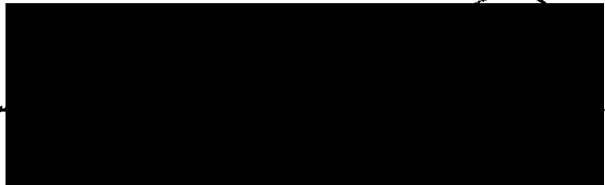
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1. The attached list contains the various items of communications equipment considered necessary to implement the requirements of the proposed [redacted] Station.

2. It should be noted that the list contains only operational equipment in addition to which quantities of installation materials and maintenance equipment will have to be provided. Quantities of such equipment and materials can better be determined after definite information is obtained regarding the station site. The same applies to station vehicles.

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COMMUNICATIONS EQUIPMENT LIST

STATION

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<u>Item</u>	<u>Qty.</u>
15 kw Transmitter (A-1 Emission)	2 each
15 kw Transmitter (A-3 Emission)	1 each
3 kw Transmitter (A-1 Emission)	11 each
400 w Transmitter (A-1 Emission)	14 each
Multiplex Equipment (Transmit and Receive)	4 sets
Volume Keying Heads	8 each
Frequency Shift Keyers	4 each
Frequency Shift Monitors	2 each
Hellschreiber Equipment (Model 17, Transmit and Receive)	2 sets
Dual Diversity Receiving Bays	4 each
Frequency Shift Converters	4 each
Communications Receivers	60 each
Frequency Meters	4 each
Ink Tape Recorders	6 each
Typewriters	35 each
Multicouplers	24 channels
Operating Position Control Units	25 each
940-B Teletype Receiving Table	2 each
910-B Teletype Transmitting Table	1 each
Teletypewriter Set Model 19	4 each
Teletypewriter Set Model 15	6 each
Teletype Subscriber Set 131B2 (complete equipment)	4 each
Wheatstone Perforators	6 each
Radio Frequency Link Equipment	2 stations (with relays as needed)
Transmitting Rhombics Antennas w/Towers	15 each
Receiving Rhombic Antennas w/Towers	15 each
Doublet-Type Transmitting Antennas	12 each
Doublet-Type Receiving Antennas	12 each
Rotary Beams (Transmitting)	2 each
Rotary Beams (Receiving)	2 each
Diesel Generators, 100 kw	5 each
Diesel Generators, 60 kw	2 each

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