FD-340 REV. (6-14-77)

Field File No. 89-43-11374

OO and File No.

Date Received 9/30/80

From
(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

(CITY AND

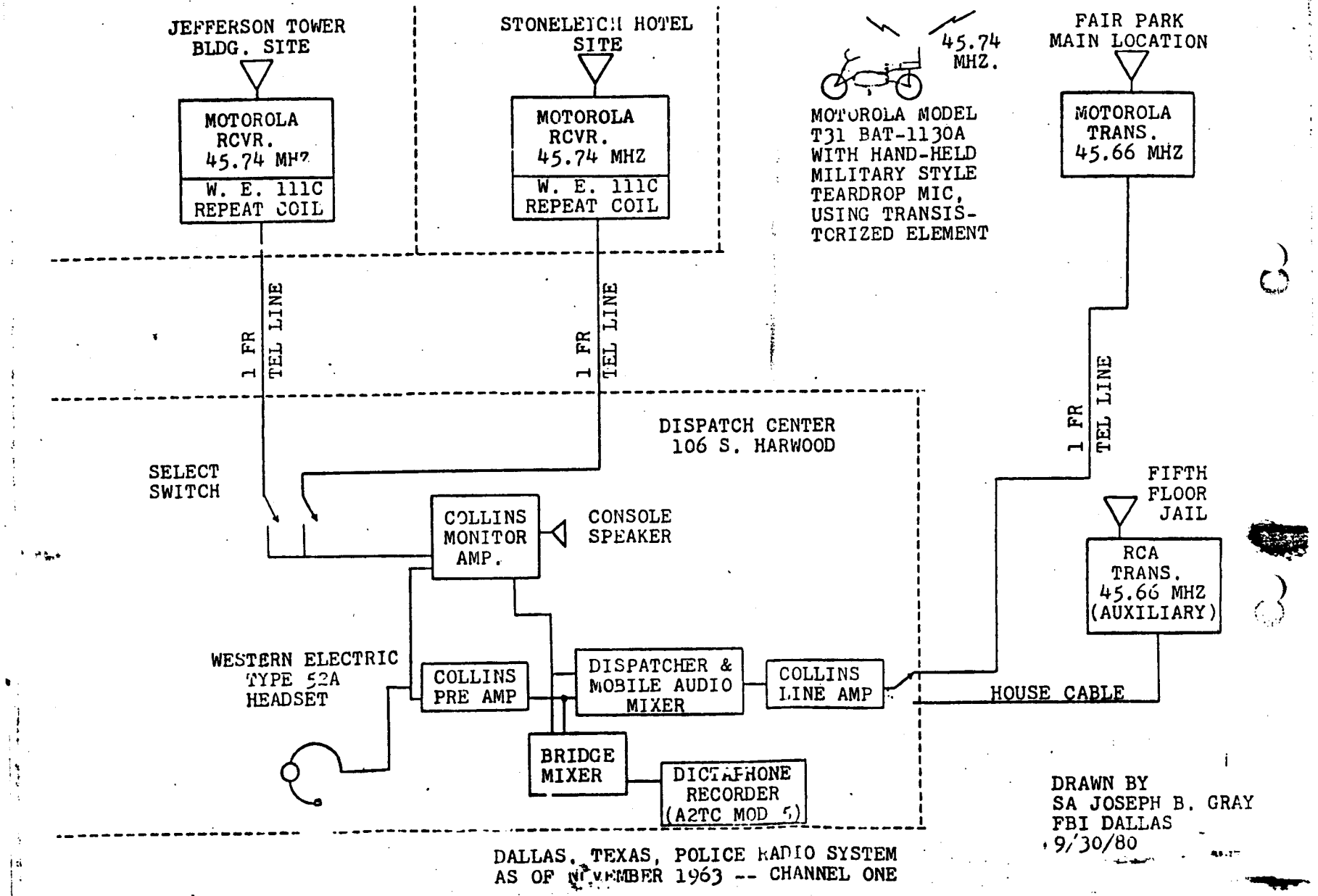
By SA [redacted]
(NAME OF SPECIAL AGENT)

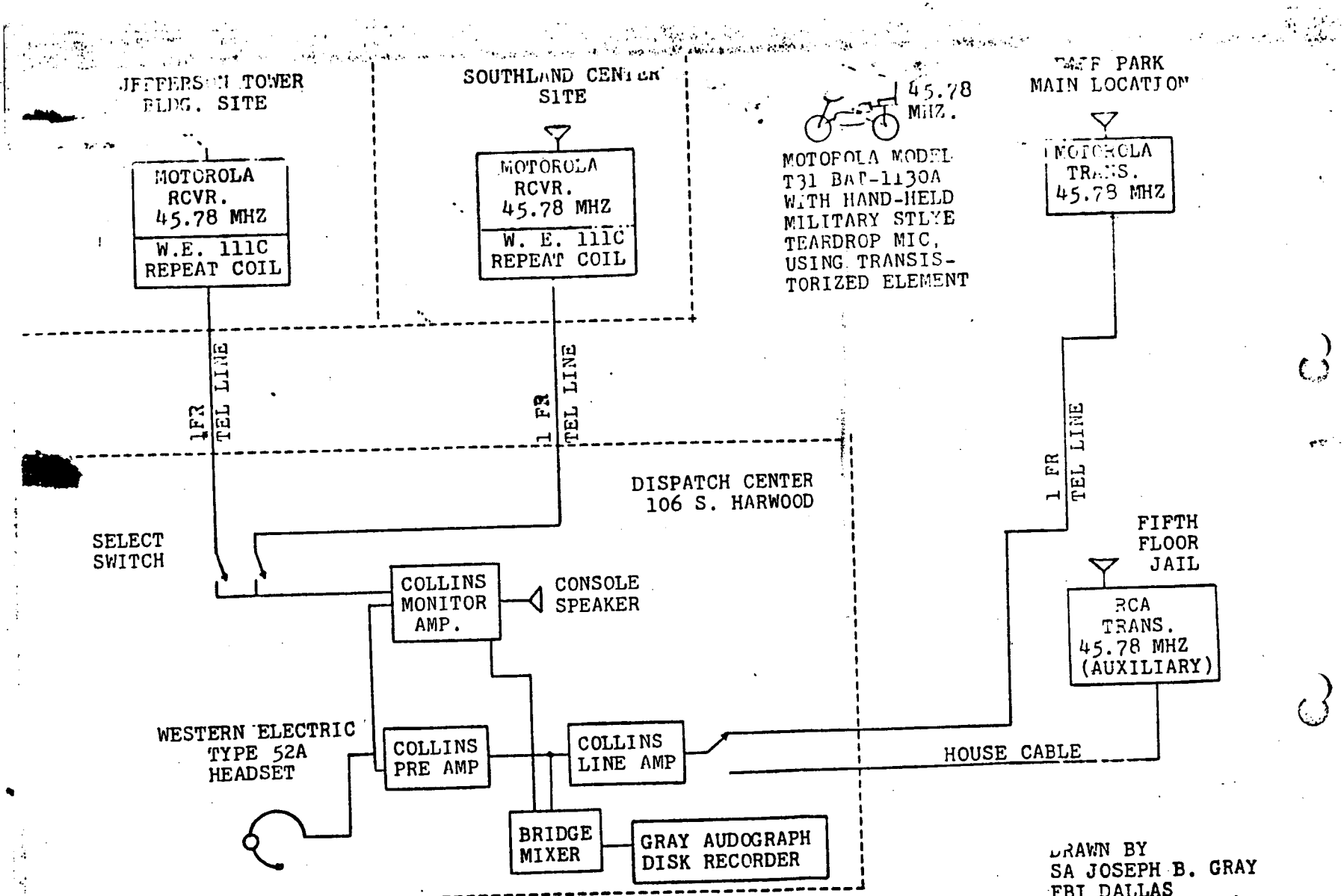
To Be Returned ☐ Yes ☒ No

Receipt Given ☐ Yes ☒ No

Description:

Copy of two charts prepared by SA [redacted] re Channel one and Channel two, Dallas PD, November 22, 1963.


JEFFERSON TOWER BLDG. SITE
MOTOROLA RCVR. 45.74 MHZ
W. E. 111C REPEAT COIL
STONELEIGH HOTEL SITE
MOTOROLA RCVR. 45.74 MHZ
W. E. 111C REPEAT COIL
45.74 MHZ.
MOTOROLA MODEL T31 BAT-1130A WITH HAND-HELD MILITARY STYLE TEARDROP MIC, USING TRANSISTORIZED ELEMENT
FAIR PARK MAIN LOCATION
MOTOROLA TRANS. 45.66 MHZ
1 FR TEL LINE
1 FR TEL LINE
1 FR TEL LINE
DISPATCH CENTER 106 S. HARWOOD
SELECT SWITCH
COLLINS MONITOR AMP.
CONSOLE SPEAKER
FIFTH FLOOR JAIL
RCA TRANS. 45.66 MHZ (AUXILIARY)
WESTERN ELECTRIC TYPE 52A HEADSET
COLLINS PRE AMP
DISPATCHER & MOBILE AUDIO MIXER
COLLINS LINE AMP
HOUSE CABLE
BRIDGE MIXER
DICTAPHONE RECORDER (A2TC MOD 5)
DRAWN BY SA JOSEPH B. GRAY FBI DALLAS 9/30/80
DALLAS, TEXAS, POLICE RADIO SYSTEM AS OF NOVEMBER 1963 -- CHANNEL ONE



DRAWN BY
SA JOSEPH B. GRAY
FBI DALLAS
9/30/80

DALLAS, TEXAS, POLICE RADIO SYSTEM
AS OF NOVEMBER 1963 -- CHANNEL TWO

FD-340 REV. (6-14-77)

Field File No. 89-43-11375

00 and File No.

Date Received 8/27/80 & 9/15/80

From

(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

By SA [redacted]
SPECIAL AGENT

To Be Returned ☐ Yes ☒ No

Receipt Given ☐ Yes ☒ No

Description:

Notes re interview with Capt. James C. Bowles, Dallas PD.

Dictaphone

A2TC Mod 5

30 min belt -

±15 db 300/2500 hertz

Gray Audograph

[redacted]

Phone line capability

200/2800 hertz. ±10%

due to line peculiarity

"Voice grade" circuits

microphones too. speaking

less on low (300/3000)

Not directional in '63

Noise canceling (not fully [illegible]

We used carbon mike like [illegible]

& dynamic mikes. They use

close speaking mikes so they

would give best reception to

voice modulation with 1-2"

mike.

Freq. Response → Rise & Decay

200/3000 Radio they now

8/27/81
8:30 –
1:01

Jim E.

Jim –

J.C. [illegible] — Supervisor
1956 – 1966

Make a model spec [illegible] not

available in [illegible]

a preliminary model

90% probability it was a

Motorola — G.E. poss. & RCA

Sold in the common market but did basis same specs.

certain spec had to be met

noise cancelling [illegible]

[illegible]

mike

1 - 2 inches away from the mike

Dictaphone A 2TC Mod 5

Ch. 1. Belt

Chan 2 Disc

Chan 1 - [illegible]

voice quality only - no fidelity requirements

when received at mike
main transmitter antenna - Fair Park
~~mark~~ sound activated relay
remote repeaters - Jefferson Tower
Office Bldg. 200 block of W. Jefferson
Stoneleigh Hotel
Southland Center ?

? (receiver) remote Telephone Co. land line from transmitter to main transmitter

[illegible]
dispatcher

transmitter - probably motorola

transmission from the [illegible]
have gone to main repeater by landline -

console - to transmitter unit at
[illegible]
(amplifier)
any number of components
subcomponents [illegible]

100 - 150 [illegible]
30 - 35 [illegible]

telephone line - split when it came to HQ telephone wire one to the recorders + one to dispatcher (speakers)

motorcycle going 4-5 mi per hr. -

Doppler effect

McClain -

Dictabelt -

Ch. 1 - 12:00P - 1:57

Gray -

Ch. 2 - 11:37 - 1:33P

should take both together

27 - 30 mi per hour

3 wheel officer - Ch. 1 only had -
Trad. Mont - borrowed motorcycle -
retired - embarrassed [illegible] it -

Doc VIII

1st exposure – 11/22/63 –
March of 1964 FBI tried to transcribe –
~~transc~~ made tapes for the FBI
he has made the transcript

FBI played with the belts trying to transcribe them

bracketed the period as being blank –

first copy would have been reel to reel

used them for ~~max~~ counted hours
played them on dictaphone machine

made transcript from belt

made no effort to write down the number of the belt

expertise deals w/ strictly w/ communications –

wanted to help anyway he could
knows what he is telling is the truth

~~metro~~ Hetrodyne — two transmission collide & makes an sound

thinks they are dimples on the belt that caused the peaks

as close as anyone to the ~~[illegible]~~

procedure expert he is the best evidence

they found impulse patterns

his research started sometime in spring 1978

commission determination be factually disproved.

Back Sep. 8 —

J.C. Bowler (1) w/ Joe Ellis Gray

7C [redacted] -

Motorola - in Miss.
HQ - Beloxi
used to be a radio
technician w/ DL PD

records not kept as
to the exchange of
certain equipment
at a certain time

almost all of the
motorcycle equipment
was Motorola

three wheeler motorcycles
used the same type
of radio equipment as the
automobiles - individual
mike like a two-
wheeler

Frequency - 45. mega
cycles

(2)

repeaters - signal
went to one of
repeaters - then from
a landline transmitter
to main tower
no direct car to
car capability
had a two frequency
system - one to
transmit and one
to receive.

Capt. thinks the
1st generation reel to
reel copy - went to
the Bureau
he has a 2nd gen
of the reel to reel at
home.

replica of liberty
bell - patriotic group
was there - surmised
that someone hit the bell

(3)

Sound-noise activated
Ch.1 - Belt
Ch.2 - Disc.

Gray was worn
pretty well - the wor
gear was pretty much
worn.

4 second delay for
the last transmission
that activated the
equipment
integrated into
piece of equipment
the sound-noise ...

this was on Ch.1 -
the primary channel
for PD operations

Ch.2 - was the
assigned to ...
for the ...

[redacted] was in three wheeler [redacted]

had no steady-lit transmit light.

feels that the equipment was heavily cannibalized.

spec level was the same over a period of time.

200/3000 VOICE quality

[redacted] 7C - Dispatcher on ch. 1

Ch. 2 - was probably a one frequency channel - stand-by channel

Virtually continuous

12:30:55 Approx time of the 1st shot on ch. 1 time

The on-off switch - some wired hot - some not - radio on three wheeler probably was not hot wired - one explanation why the motorcycle was running.

[redacted] 7C, 7D

WRR transmitter communications 670-8747

[redacted] 7C

FD-340 REV. (6-14-77)

Field File No. 87-43 [illegible]

OO and File No.

Date Received 9/19/80

From
(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

C By SA [redacted]
(NA[redacted]

To Be Returned ☐ Yes ☒ No

Receipt Given ☐ Yes ☒ No

Description:

Notes re interview
C with [redacted]
and [redacted]
as well as copy of
charts made available
C by [redacted]