

DRAFT

**NATIONAL RADIO ASTRONOMY OBSERVATORY
Charlottesville, Virginia**

January 12, 1984

TO: VLBA Coordinating Committee
FROM: H. Dill
SUBJECT: VLBA Drawing Number System

The following drawing number system will be used on all drawings pertaining to the VLBA Project. It will consist of a 10 character identifier which includes the project number, and will be used as a part identification for all parts used on VLBA.

$S_1P_1P_2P_3P_4P_5T_1N_1N_2N_3$

<u>S₁ - Size</u>	<u>Designation</u>	<u>Paper Size (in.)</u>
	A	8 1/2 x 11
	B	11 x 17
	C	17 x 22
	D	22 x 34
	E	34 x 44
	F	34 x cut length

P₁-P₅ - First 5 digits of project number.
This number is decided by management to help coordinate fiscal and department planning.

T₁ - Type Designation (1 of 26 letters)

Common Types	B - bill of materials
	A - assembly
	M - mechanical
	N - specification
	Z - sketch
	F - fixtures

Primarily Engineering	Y - control drawing
	C - civil and concrete
	H - heavy equipment
	E - electrical
	T - structural

Primarily Electronics S - schematic
 L - logic
 W - wire list
 P - printed circuit board, mechanical
 Q - printed circuit board, artwork
 I - silkscreen
 D - data list
 K - block diagram

Remaining letters G, J, O, R, U, V, Z still open.

$N_1N_2N_3$ - Number -- A 3 digit number from 0-999.
Assigned in consecutive order as a suffix to an independent combination of the preceding drawing number information (excluding size).

For example:

A XXXXXT 123 are two
C XXXXXM 123 different drawings

Guidelines

1. Drawing numbers must be 10 digits long.
2. Drawings may have more than one sheet.
3. Information about drawings will be stored on a computer listing.
4. Drawings will be stored by size, project #, type, number.
(At first this will be done at a central file for each site and later will be combined into a common file at the VLBA headquarters.)
5. Drawing numbers will be allocated at each site by a single office. Project numbers will be assigned to each office.
(Again, this will all be handled at a central office in the future.)
6. Drawings can have an alternative number system, but all must be filed under this system.

A more detailed memo on drawing type designations, filing systems, and number allocations will follow.