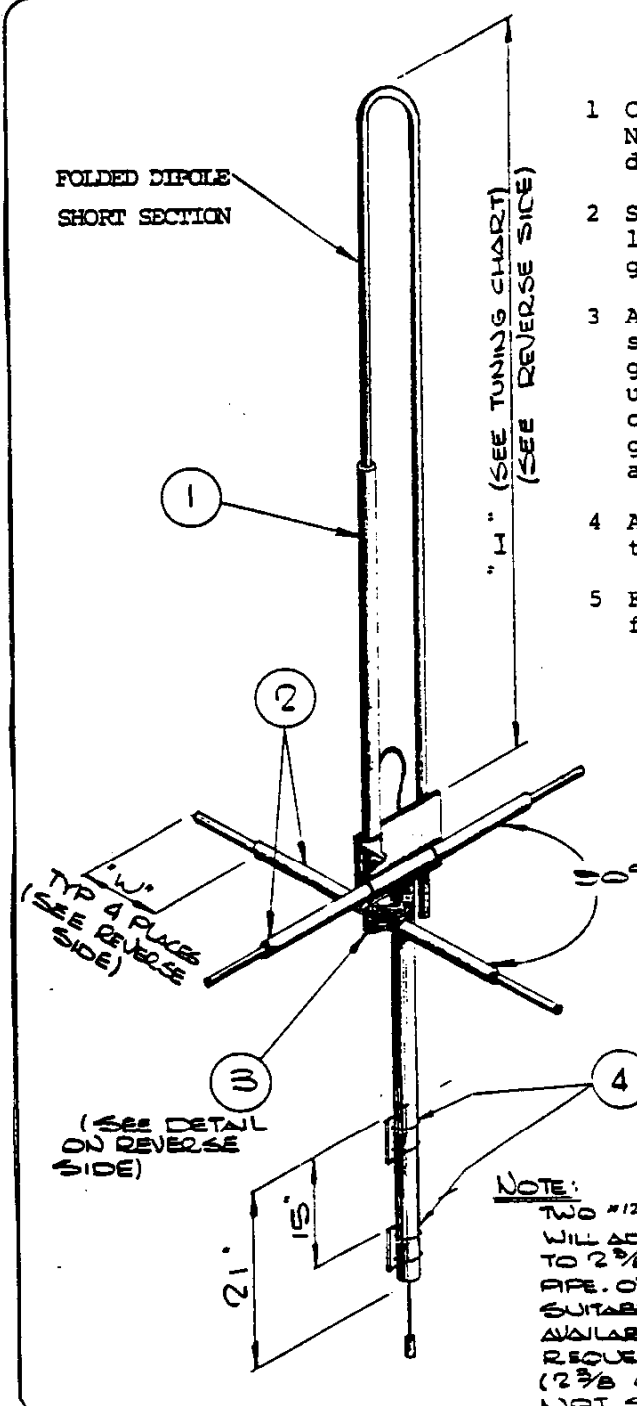




# ANTENNA ASSEMBLY

|              |       |
|--------------|-------|
| MODEL        | 101A  |
| FREQ. (MHz.) | 30-50 |



### ASSEMBLY PROCEDURE

- 1 Check qty. of parts against parts list. Notify carrier immediately if shortage or damage is evident.
- 2 Slide upper ground rod ass'y through two 1" I.D. U-Bolts on mounting plate. Center ground rod and tighten in position.
- 3 Assemble #11 clamp (center and bottom sections) on mounting pipe. Slide lower ground rod ass'y through clamp. Butt clamp up against bottom of mounting plate and center ground rod. Rotate clamp until ground rods are at 90° to one another and tighten clamp in position. (see detail.)
- 4 Adjust radiating element and ground rods to desired freq. as per "Tuning Chart".
- 5 For frequencies above 48 MHz cut short folded dipole section as follows:

48 MHz Cut off 1 1/2"  
 49 " " 2 1/2"  
 50 " " 3 1/2"

**NOTE:**  
 TWO #120 CLAMPS  
 WILL ADAPT ANT.  
 TO 2 3/8 O.D. STD  
 PIPE. OTHER  
 SUITABLE MOUNTINGS  
 AVAILABLE ON  
 REQUEST.  
 (2 3/8 O.D. PIPE  
 NOT SUPPLIED)

| PARTS LIST |                        |      |
|------------|------------------------|------|
| ITEM       | DESCRIPTION            | QTY. |
| 1          | ANTENNA ASSY           | 1    |
| 2          | GND. ROD ASSY          | 2    |
| 3          | #11 CLAMP (SEE DETAIL) | 1    |
| 4          | #120 CLAMP             | 2    |

| ISSUE | ECN  | DATE     | CHECKED | APP |
|-------|------|----------|---------|-----|
| 2     | 6315 | 12-11-56 |         | RJL |
| 3     | 6383 | 10-1-82  | E.G.    | RV  |

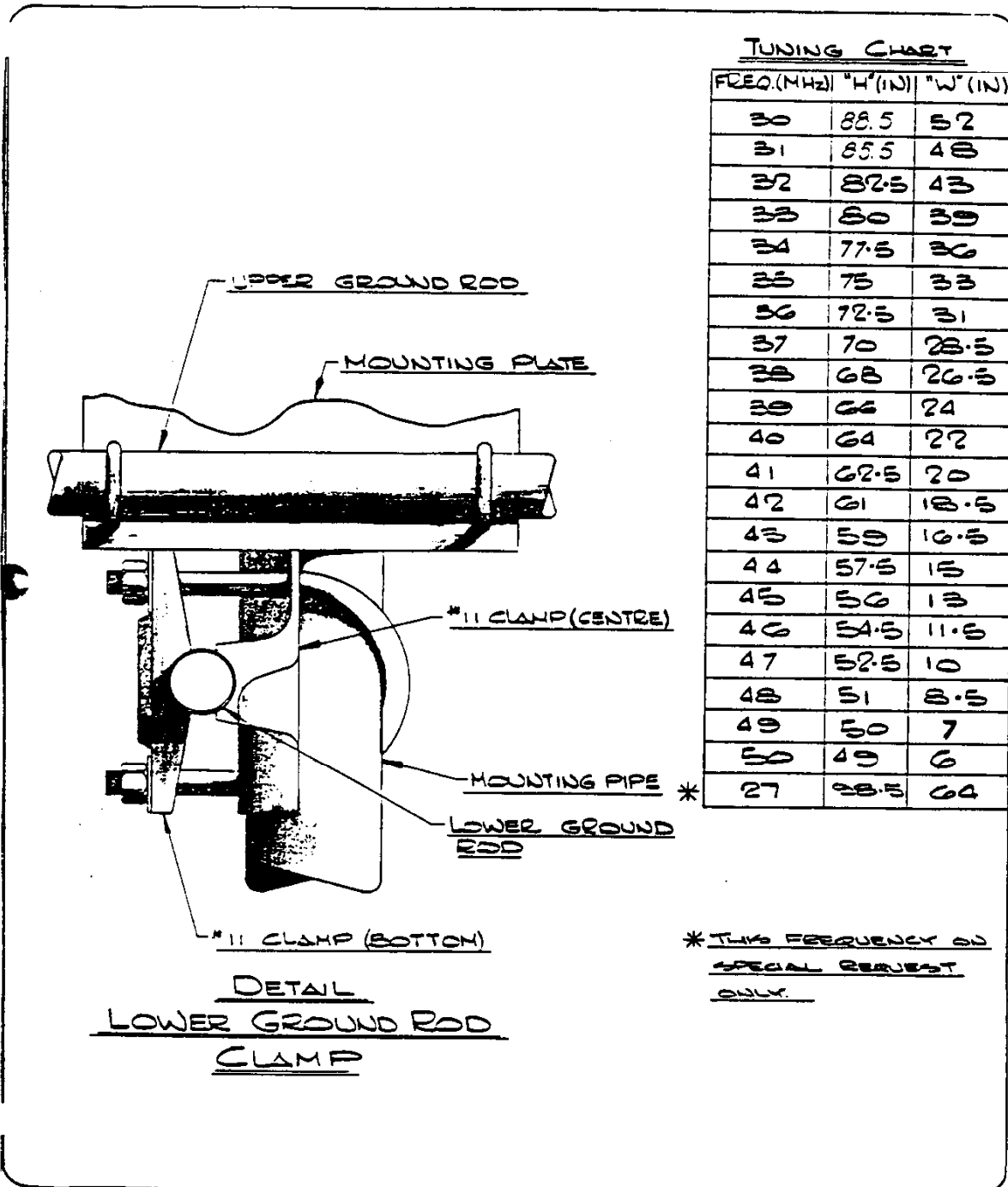
NUMBER  
 A 025108  
 SHEET 1 OF 2



**SINCLAIR** RADIO LABORATORIES INC.

675 Ensminger Road, Tonawanda, New York 14150

TECHNICAL  
 DATA



TUNING CHART

| FREQ.(MHZ) | "H"(IN) | "W"(IN) |
|------------|---------|---------|
| 30         | 88.5    | 52      |
| 31         | 85.5    | 48      |
| 32         | 82.5    | 43      |
| 33         | 80      | 39      |
| 34         | 77.5    | 36      |
| 35         | 75      | 33      |
| 36         | 72.5    | 31      |
| 37         | 70      | 28.5    |
| 38         | 68      | 26.5    |
| 39         | 66      | 24      |
| 40         | 64      | 22      |
| 41         | 62.5    | 20      |
| 42         | 61      | 18.5    |
| 43         | 59      | 16.5    |
| 44         | 57.5    | 15      |
| 45         | 56      | 13      |
| 46         | 54.5    | 11.5    |
| 47         | 52.5    | 10      |
| 48         | 51      | 8.5     |
| 49         | 50      | 7       |
| 50         | 49      | 6       |
| 27         | 98.5    | 64      |

\* THIS FREQUENCY ON  
SPECIAL REQUEST  
ONLY.

A025108 ISSUE  
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