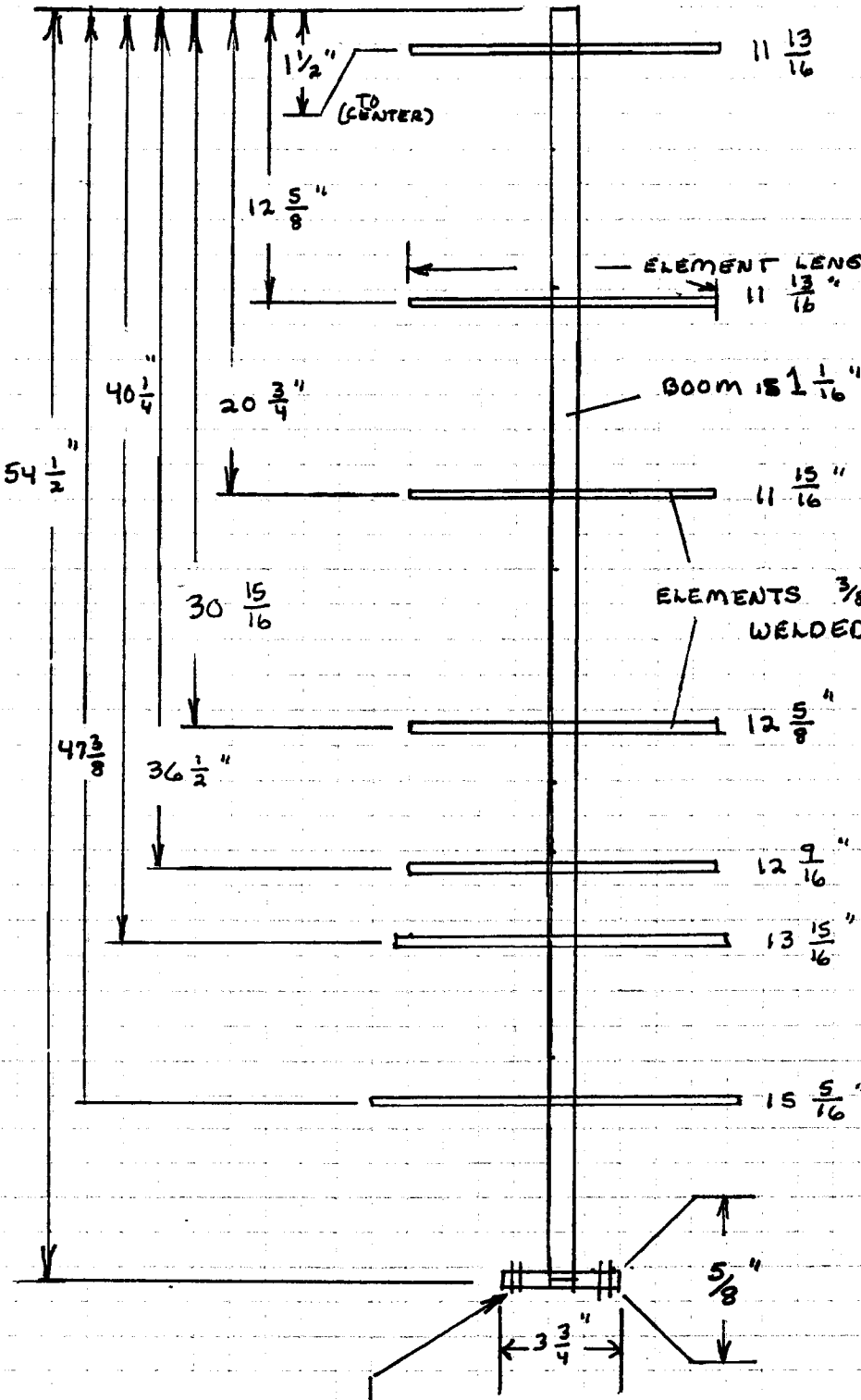


# WELDED - UHF YAGI

422 MHz



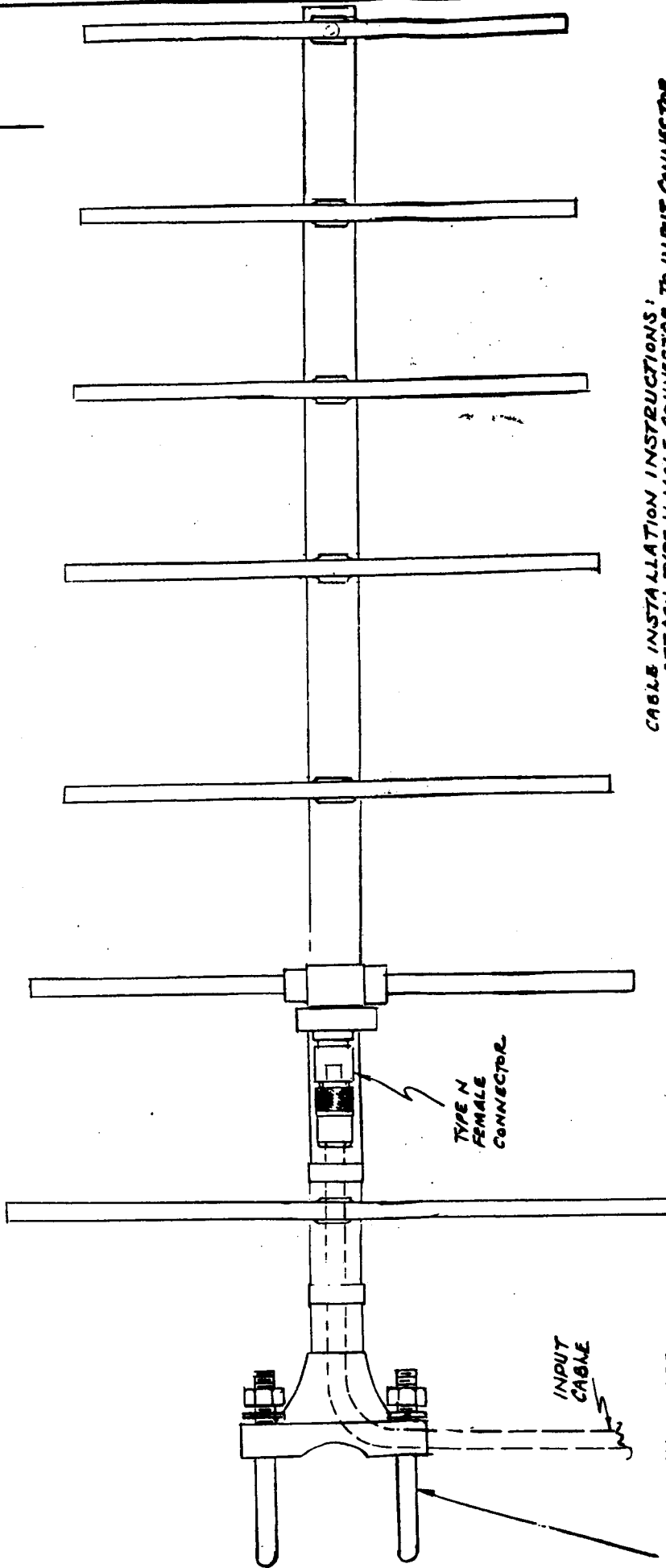
Fc 422 MHz SWR 1:1  
1:1.5 SWR  
F<sub>LOW</sub> 418 MHz  
F<sub>HIGH</sub> 424 MHz

skipp025@yahoo.com  
AUG-05

BOOM IS 1 1/16" DIA TUBE  
(THICK WALL)

ELEMENTS 3/8" SOLID ROD, EACH  
WELDED TO BOOM

HORIZONTAL AND VERTICAL  
MOUNT HOLES DRILLED INTO END-  
MOUNTED BUTT-PLATE.  
(WELDED)



**CABLE INSTALLATION INSTRUCTIONS:**  
 ATTACH TYPE N MALE CONNECTOR TO INPUT CONNECTOR  
 ROUTE CABLE ALONG BOOM AS SHOWN AND ATTACH  
 CABLE TO BOOM SECURELY.

TDE-6090A - 450 - 470 & 486-490  
 6091A - 470-494  
 6092A - 494-512

**MOUNTING HARDWARE  
 SUPPLIED TO FIT  
 1 1/2" AND 2 3/4" O.D.  
 SUPPORT PIPE.**

Unless otherwise specified — All dimensions are in inches and file block tolerances apply. All bearing dimensions, to be met after plating where applicable and are to be grunge checked. Break all sharp edges 0.10 (1/16) after finish machining. All radii are in inches unless otherwise specified.

DIMENSIONAL TOLERANCES	FINISH	
	FEEL	TO USE
BASIC	200 MICRONS	100 MICRONS
0.1 - 0.250	± 0.010	± 0.005
0.250 - 0.500	± 0.005	± 0.003
0.500 - 1.000	± 0.003	± 0.002
1.000 - 2.000	± 0.002	± 0.001
2.000 - 5.000	± 0.001	± 0.0005
5.000 - 10.000	± 0.0005	± 0.0003
10.000 - 25.000	± 0.0003	± 0.0002
25.000 - 50.000	± 0.0002	± 0.0001
50.000 - 100.000	± 0.0001	± 0.00005

ALL ANGLES 45°

**TITLE OUTLINE OF  
 TDE ANTENNAS  
 (10 00 YAGS)**

**DRAWN BY SLP H 18 68**

**APPROVED BY [Signature]**

**DRAWING NO.**

**M-27287A**

**CELWAVE**

Sheet 19 of 20  
 Revision 1  
 Date: 11/18/68

REVISION	DATE	BY
ADDED 400-420 Mhz	6-17-71	[Signature]
ADDED 5000 S.F. LOSS	8-19-72	[Signature]
REWORK 400-420	9-7-72	[Signature]
ADDED 60	9-7-72	[Signature]
6 LINES - 1/2	9-7-72	[Signature]
WROTE	9-7-72	[Signature]
4		