

MODOT HARRIS TOWER

EXISTING TOWER

AS BUILT DRAWINGS, C. 1969

Only minimal information is available about the existing tower. The following drawings are provided for information purposes only and to the best of our knowledge represent the information we have about the existing radio tower.

PHONE 946-9546

SITE: HARRIS ¹ 4540
AVALON

PHONE 946-9546

160 TOWER 2-DB 224 ANT
30 PSF + $\frac{1}{2} \phi$ ICE DESIGN LOAD

ELEV.'	T #	H #	V #
150	2382	1535	1800
100	2357	1850	1445
50	1587	1470	575
	<u>6,326</u>	<u>4855</u>	<u>3820</u> #

2
7,640[#] Reg'd.

$$\text{Shaft Area} = \frac{6326}{22000} = 0.288 \text{ in}^2 \text{ Req'd.}$$

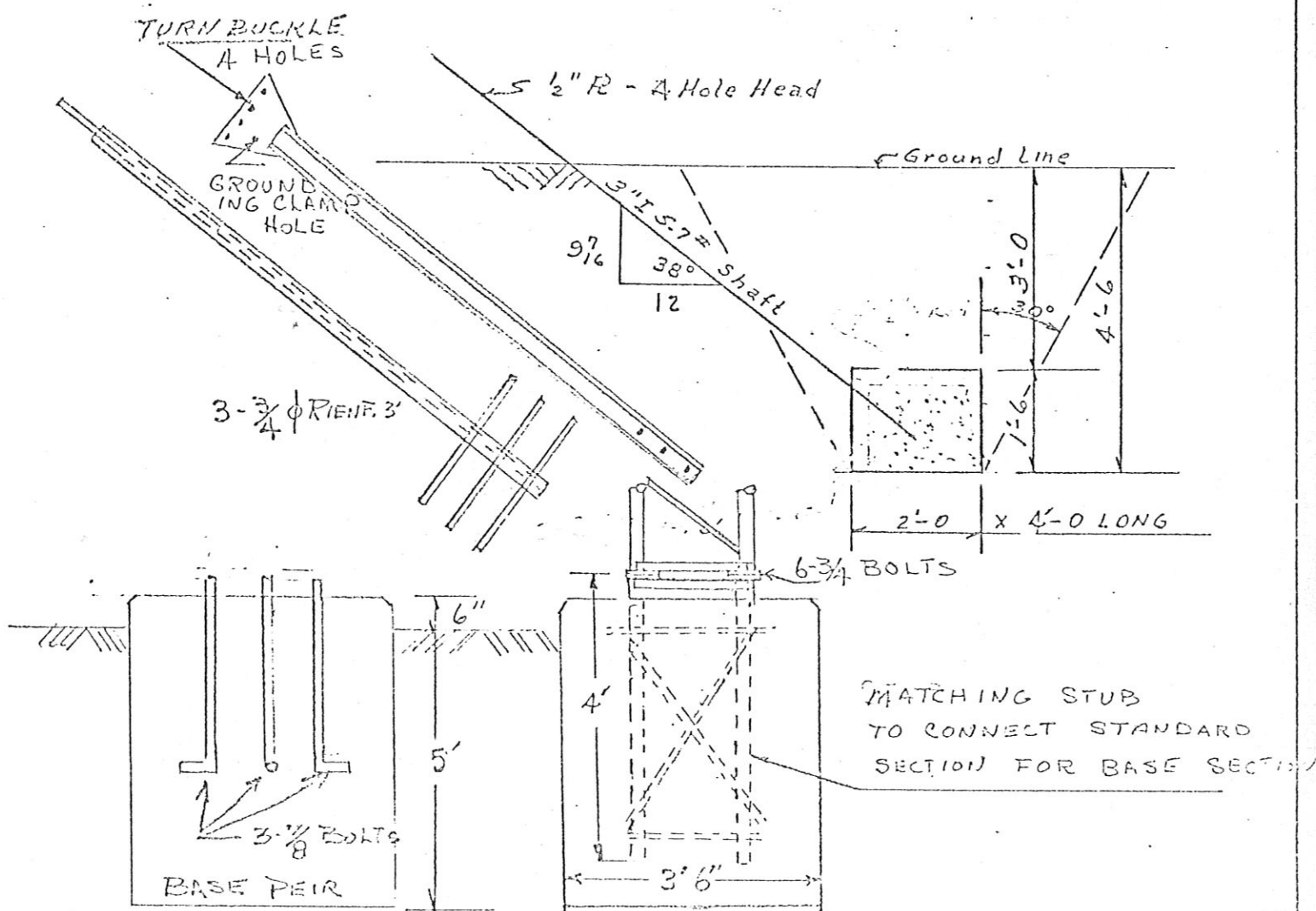
$$3" I 5.7 = 1.64" \therefore O.K.$$

$$\text{Bearing Face Anchor} = \frac{4855}{3000} = 1.62 \text{ " Reg'd.}$$

$$\text{Anchor Vert.} = 100 \frac{4.5}{3} [2 \times 2 + 2.2 \times 7.2 + \sqrt{2 \times 2 \times 7.2 \times 7.2}] + 40 \times 2 \times 2 \times 1.5$$

$$= 10,550 + 240 = \underline{10,790^\#} > \underline{7,640^\#} \text{ Req'd.}$$

Brng. Face = $2 \times 1.5 = 3 \text{ m}' > 1.62 \text{ m}' \text{ Req'd.}$



OPTIONAL TWO TYPES OF BASE CONNECTION

SH 5