

REV	DESCRIPTION	DATE	APPROVED
A	REF ECH 02/244	WC 8/20/02	DH 8/20/02
B	REF ECH 02/240	WC 8/20/02	WS 8/20/02
C	REF ECH 02/344	WC 12/10/02	DH 12/10/02
D	REF ECH 04/226	HN 10/01/04	JF 10/01/04
E	REF ECH 06/075	MN 11/19/08	DH 11/19/08
F	REF ECH 15/035	MN 05/04/15	DH 05/04/15
G	REF ECH 19/689	RM 8/27/19	DH 8/27/19
H	REF ECH 20/688	RM 1/30/20	DH 10/20/20

**NOTES:**

**1. GPS SPECIFICATION**

- 1.1. RF CHARACTERISTICS:
  - FREQUENCY 1575.42-3MHz.
  - VSWR 2.0: 1 MAX.
  - POLARIZATION RIGHT-HAND CIRCULAR
  - RADIATION PATTERN 120°
  - POWER RATING 50 WATTS OUTPUT
  - IMPEDANCE 50 OHMS
  - GAIN 5 dB (NOM) ZENITH.

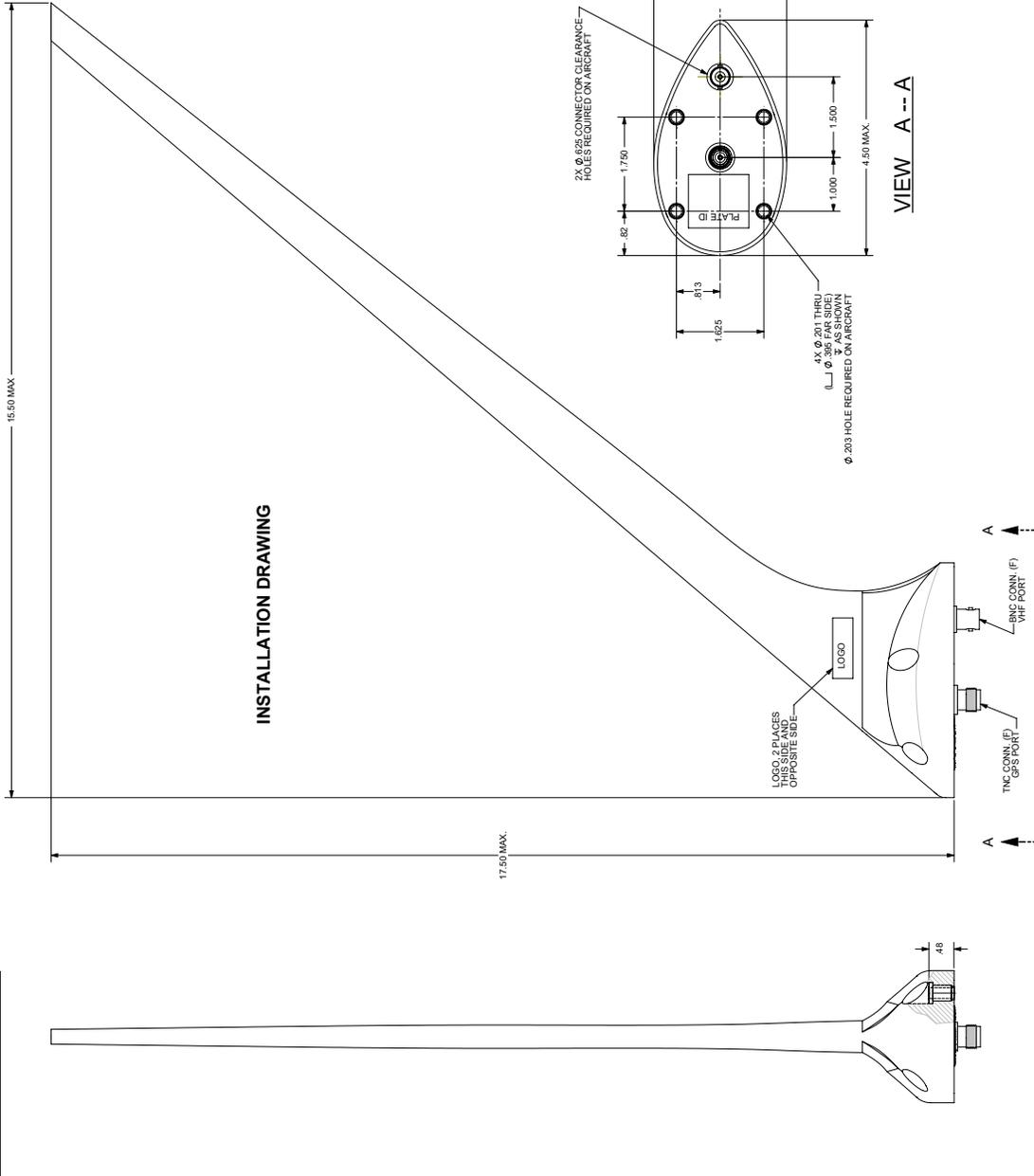
**1.2. AMPLIFIER CHARACTERISTICS:**

- GAIN (NOMINAL) 17.5 dB
- D.C. VOLTAGE +5.0-40.0 V
- D.C. CURRENT 20 mA MAX.
- NOISE FIGURE 3.0 dB MAX.

**2. VHF SPECIFICATION**

- 2.1. RF CHARACTERISTICS:
  - FREQUENCY 118 - 137 MHz.
  - VSWR 2.5: 1 MAX.
  - RADIATION PATTERN OMNI DIRECTIONAL.
  - POWER RATING 50 WATTS.
  - IMPEDANCE 50 OHMS.

- 3. WEIGHT: 0.6 LB.
- 4. TSO C370, C380, C129; RTCA DO-160D
- 5. ENCL CAT. 1: 1575.42-3MHz (GPS) CLASS 1
- 6. FINISH: GLOSSY WHITE POLYURETHANE PAINT.
- 7. SPEED RATING: 350 KNOTS T.A.S.
- 8. MOUNTING SURFACE, CONNECTORS AND MOUNTING HOLES ARE FREE OF PAINT.
- 9. HOLE DIMENSION: 0.010/0.020
- 10. DELETED
- 11. A248084 INSTALLATION INSTRUCTIONS SUPPLIED WITH ANTENNA.



ASSY DWG NO. D248020

REV	TRF	REC'D	DATE	DESCRIPTION	MATERIAL / SPECIFICATIONS
<b>PARTS LIST</b>					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS XX.XX ±.03 XXX.X ±.014					
TOLERANCES ON DIMENSIONS ARE: FRACTIONS 1/32, 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1 1/4, 1 1/2, 2, 3, 4, 6, 8, 12, 18, 24, 36, 48, 60, 72, 96, 120, 144, 180, 216, 240, 300, 360, 480, 600, 720, 900, 1080, 1440, 1800, 2160, 2880, 3600, 4320, 5400, 7200, 9000, 10800, 14400, 18000, 21600, 28800, 36000, 43200, 54000, 72000, 90000, 108000, 144000, 180000, 216000, 288000, 360000, 432000, 540000, 720000, 900000, 1080000, 1440000, 1800000, 2160000, 2880000, 3600000, 4320000, 5400000, 7200000, 9000000, 10800000, 14400000, 18000000, 21600000, 28800000, 36000000, 43200000, 54000000, 72000000, 90000000, 108000000, 144000000, 180000000, 216000000, 288000000, 360000000, 432000000, 540000000, 720000000, 900000000, 1080000000, 1440000000, 1800000000, 2160000000, 2880000000, 3600000000, 4320000000, 5400000000, 7200000000, 9000000000, 10800000000, 14400000000, 18000000000, 21600000000, 28800000000, 36000000000, 43200000000, 54000000000, 72000000000, 90000000000, 108000000000, 144000000000, 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