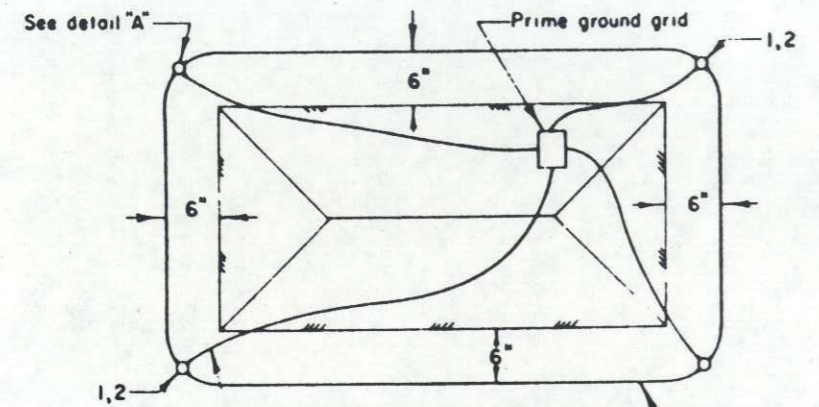
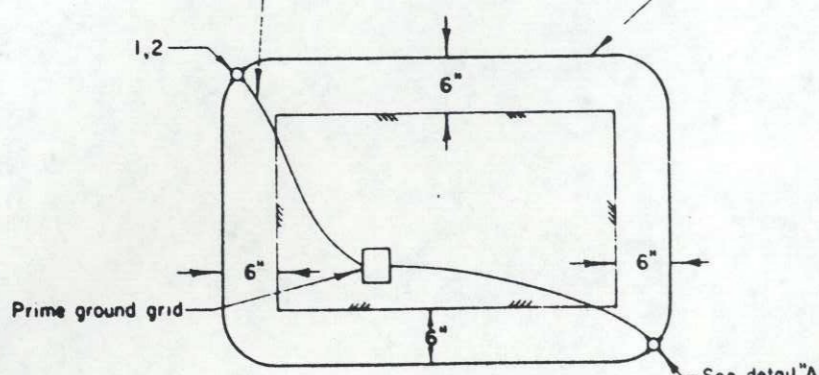


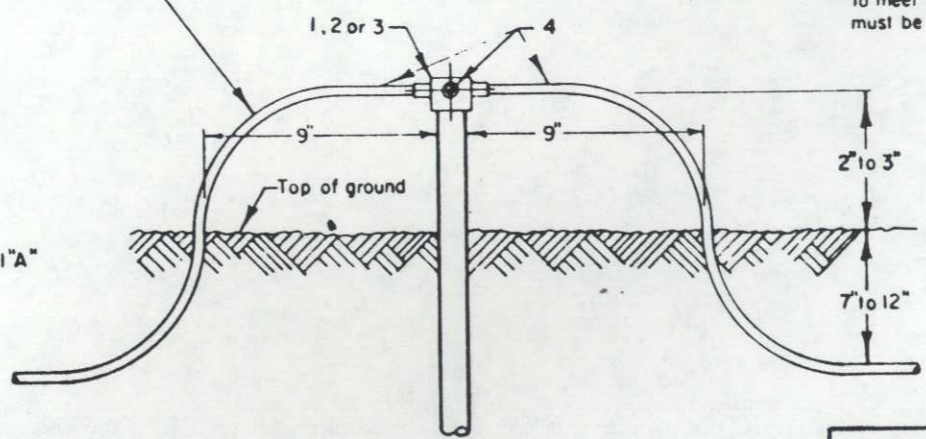
Rev A - 10-25-84 top of ground rod was 6" to 12" below top of ground. Added item 4, wire from prime ground grid to ground was insulated. Added items 5 thru 9.



INSTRUMENT HOUSE



INSTRUMENT CASE



DETAIL "A"

NO	ITEM	PART NO	ACCT REF NO
1	Connection, exo weld, 3 wire	SBNTI-161G	02-742243
2	Rod, copper weld ground, Dia x 8' lg	SB858	02-829263
3	Rod, copper weld ground, threaded		02-829313
4	Wire, No 6 AWG solid, bare, soft		49-779709
5	Mold, ground rod exo weld	PBIOGB-16	
6	Stud, drive for 5/8 ground rod	BI37-16	02-563664
7	Connection, exo weld, 2 wire	SBGTI-161G	02-742227
8	Connection, exo weld, 1 wire	SBGRI-161G	02-742151
9	Coupling, ground rod thread		02-165106

NOTES:

- 1 Make ground wires as short as possible.
- 2 Avoid sharp bends in ground wires. Radius of bends must be more than 6 inches.
- 3 Resistance between prime ground grid and earth not to exceed 5 ohms.
- 4 Ground rod & cable connecting surfaces must be thoroughly cleaned (to bright metal) by sanding or grinding before applying exothermic weld.
- 5 Use drive stud when installing ground rods. Item No 6.
- 6 Use No 6 AWG solid, bare, soft copper wire to connect prime ground grid to ground rods. See item No. 4.
- 7 When 2 or more ground rods must be connected end to end to meet 5 ohm resistance requirement, exothermic welds must be used between rods and couplings. Item No 5.

SHEET 1

CONRAIL  CS-9002-A

STANDARD
INSTRUMENT HOUSE & CASE
GROUNDING APPLICATION

AUG 2, 1982

Approved 
Chief Engineer, CBS

Rev Oct 11, 1984

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