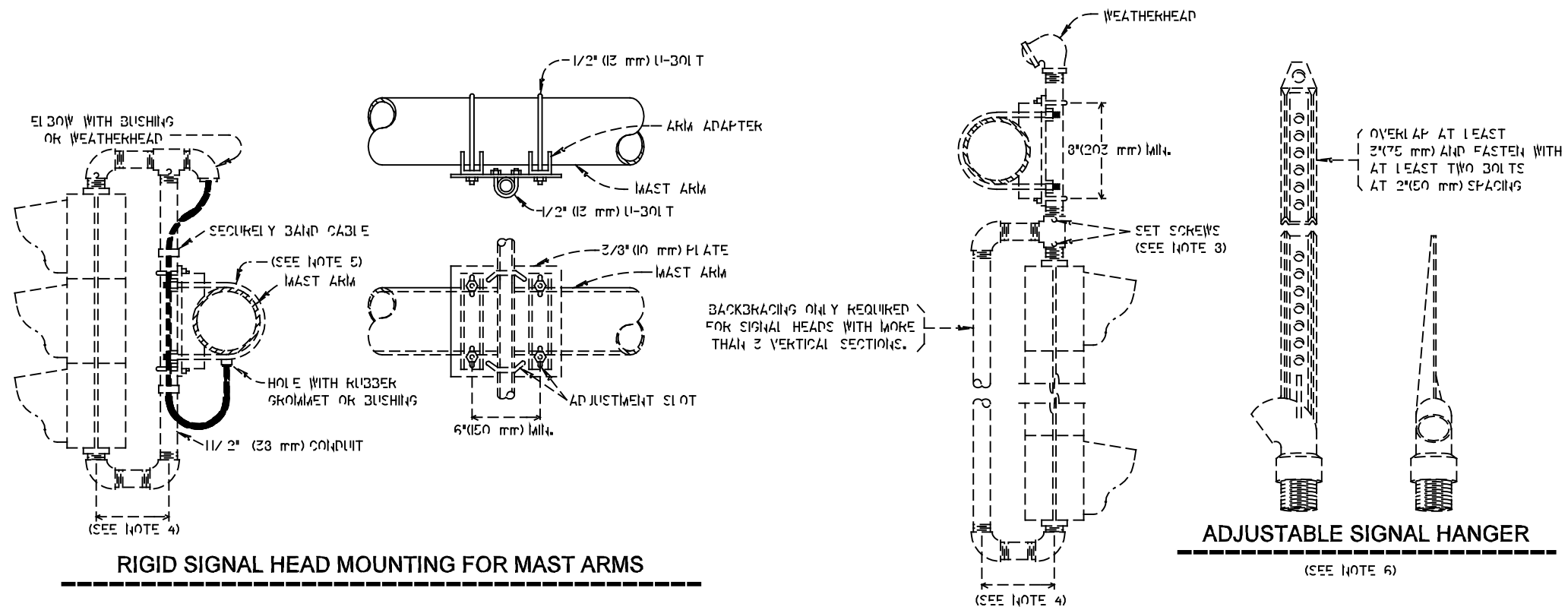


SIGNAL HEAD SUSPENSION



RIGID SIGNAL HEAD MOUNTING FOR MAST ARMS

ADJUSTABLE SIGNAL HANGER

(SEE NOTE 6)

NOTES

1. Signalhead conduit brackets and conduit fittings shall be aluminum and painted to match the body of the signalhead.
2. All signalhead assemblies shall be installed in a plumb position and perpendicular to the approach lane. Balance adjustors shall be used.
3. The contractor shall mount mast arm signals using ASTRO BRAC mounting hardware.
4. A minimum of 17 in. (430 mm) is required for optically programmed signalheads and a minimum of 6 in. (150 mm) for standard signalheads.
5. Rigid signalhead mounting devices for mast arms shall be used.
6. Signalheads shall be installed with a clearance above pavement elevation at the center of the roadway of 16 ft. (4.9 m) minimum, 13 ft. (5.5 m) maximum. It is intended that this clearance be obtained without the use of drop pipes, but rather by the careful selection of foundation heights, attachment heights, arm rise, span wire sag and other factors during the construction of the installation. If the installation cannot be adjusted to the proper clearance the Contractor shall advise the Engineer of all signals which exceed the maximum. The Engineer will, in consultation with the maintaining agency, direct the use of drop pipes or waive the maximum clearance requirement for each head. If drop pipes are necessary, adjustable signalhangers as detailed may be used.
7. Cable entrance openings on disconnect hangers shall rigidly clamp cable to prevent movement of the cable within the enclosure.
8. Signalhead rotation shall be prevented by the use of serrated rings, set screws or other positive devices incorporated in the signal housing and at critical locations in the supporting hardware.
9. All conductors shall have adequate clearance between hangers, thimbles, bullrings, etc. in order to avoid damage from rubbing.