SAMPLE SPECIFICATION
INSTRUMENT SUPPORTS

1.0 Instrument supports shall be constructed with fully modular design to allow field modification without cutting or welding.

2.0 The supports shall have an exterior finish with a minimum of 9 mils of metallized zinc coating. Zinc shall be arc sprayed directly onto shot blasted base steel to provide a bonded coating resistant to chipping, corrosion, and high temperature. Hot dipped or plated zinc finishes are not acceptable.

3.0 Components shall be fabricated from minimum 6mm (1/4") carbon steel plate, schedule 40 structural pipe and / or 4.75mm (0.188") wall formed tubing.

4.0 All mounting plates shall have slots for mounting. Drilled / punched holes are not acceptable.

5.0 All floor mounts shall have a 6mm (1/4") thick steel 250mm x 250mm (10" x 10") base plate with 16mm (5/8") wide slots to accept 150mm x 200mm (6" to 8") mounting bolt centers and two 200mm (8") high gussets for increased structural strength.

6.0 All components with extensions longer than 75mm (3") shall be welded closed with no weep holes.

7.0 All set screws shall be reversed knurled cup point.

8.0 Hand rail mounts to be installed without field drilling or welding.

9.0 Cable mounts are preferred for all lines 3" NB and larger in diameter. Cable mounts shall incorporate calibrated compression washers to allow for expansion and compression caused by temperature fluctuation. Cable mounts capable of mounting to NB process lines from 3" to 16" or alternately 3" to 36".

10.0 U-Bolt mounts are preferred for NB line sizes up to 2-1/2" diameter.

11.0 Modular supports must be fully tested and documented by the manufacturer providing model numbers and load ratings.

12.0 Components shall be O'Brien SADDLEPAK modular support system.