

## **TWO PIECE PULSE JET FILTER BAG CAGE**

### **I. GENERAL:**

This standard is intended to provide specifications for the procurement of the Two Piece Pulse Jet Filter Bag Cages used in the North Side Generation Station Units 1 & 2 Circulating Fluidized Bed Boiler, AQCS Bag House. This Bag House is utilized to meet EPA emission requirements and these cages are designed specifically to fit in the NSGS AQCS Bag House. No design deviations what so ever shall be accepted for this cage.

### **II. DESCRIPTION OF PULSE JET FILTER BAG CAGES:**

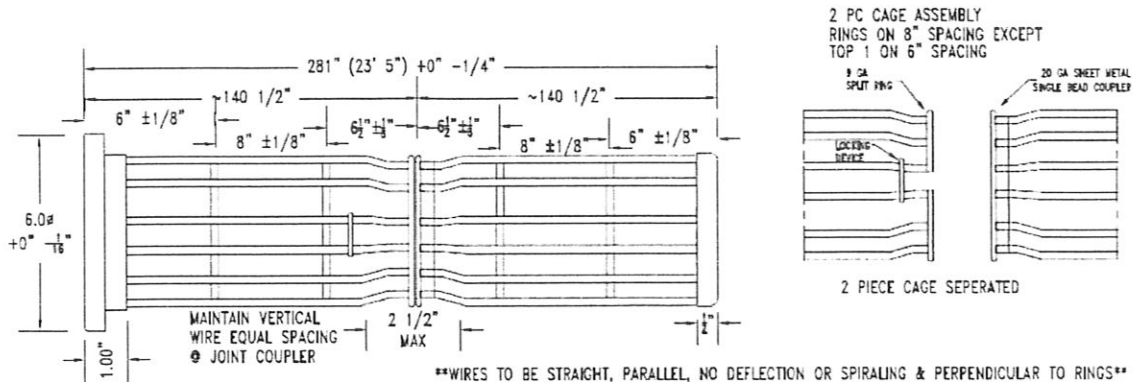
The following shall be provided:

II.1. CAGE: 2 PIECE, BEADED COLLAR CONNECTION DESIGN WITH SLIDE LOCKING PLATE, TURNED DOWN FLANGED TOP AND A BOTTOM PAN.

- II.1.1. Cage Diameter: .....5 inches
- II.1.2. Cage Length:.....281" Long
- II.1.3. Wire Material / Gauge..... Carbon Steel, 9 Ga
- II.1.4. Number of Vertical Stringers: 12 on 8 spacings
- II.1.5. Distance Between Spacer Rings.....8 inches
- II.1.6. Type of Construction: ..... 2 Piece
- II.1.7. Top Design:.....6 inch Diameter Cap
- II.1.8. Top Material.....18 Ga.
- II.1.9. Venturi Length.....No Venturi Required

### **III. GENERAL MANUFACTURING REQUIREMENTS:**

- III.1.1. All wires shall be straight and parallel with no deflections or spiraling and perpendicular to the rings.
- III.1.2. All outside edges shall be smooth with no burrs allowed
- III.1.3. All 12 vertical wires shall be equally spaced.
- III.1.4. All vertical wires shall be equally spaced at joint coupler
- III.1.5. All vertical wires shall be welded 3/8" into the flange and 1/8" from the top of the Turn down Flange.



ALL OUTSIDE EDGES TO BE SMOOTH - NO BURRS ALLOWED

\*\*WIRES TO BE STRAIGHT, PARALLEL, NO DEFLECTION OR SPIRALING & PERPENDICULAR TO RINGS\*\*  
\*\*MAKE SURE ALL RINGS, TOP FLANGE AND BOTTOM PAN ARE WELDED TO ALL WIRES\*\*

\*VERTICAL WIRES WELDED 3/8" INTO FLANGE  
& 1/8" FROM TOP OF TDF\*

