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NOTES:

1. TYPE "B" RETORT SECTIONS SHALL BE THE SAME AS SHOWN EXCEPT THAT THE SPIRAL SHALL BEGIN AT A HEIGHT OF FOUR (4) INCHES AND INCREASE UNIFORMLY TO A HEIGHT OF TWENTY EIGHT (28) INCHES OVER THE LENGTH OF THE SECTION. MACHINE RELIEF IN FACE OF 10" SPIRAL ONLY THAT FACE WHICH MATCHES TYPE "B" SECTION TO TYPE "C" SECTION.

2. TYPE "C" LEAD OF SPIRALS IS 30' UNIFORMLY ON THEIR PERIPHERY. A TRANSITION FROM 9" TO 10" IN HEIGHT IS MADE IN THE FIRST 30' TO WAIVE WITH OTHER INDEEDS. PERFORM THIS TRANSITION ON ONE END ONLY. MACHINE RELIEF IN FACE OF SPIRAL AT EACH END.

3. PATTERNS, 20396-226-000 AVAILABLE AT TIDELEY ARMY DEPOT.

4. ANY REPAIR OF THE STEEL CASTING THAT MAY BE REQUIRED WILL BE IN ACCORDANCE WITH ASTM A188M-04 OR LATEST EDITION.

ASSEMBLY
BOLT-ON ROOF LIFT OFF WITH CRANE

ALUMINUM SOLENOID ENCLOSURE
NEMA 4, 115V WITH VITON DISC

HEAT SHIELD WALLS

(2) HEADER PIPES, 6' DIA.
W/ PRESSURE GAUGE

ADEQUATE VENTILATION REQUIRED TO MAINTAIN TEMP. AT < 120°F AROUND JET PULSE

(14) 1 1/2" DIAPHRAGM VALVES W/ VITON DIAPHRAGM & GASKET

1 1/2" NPT CPLG (SEE NOTE #5)
1/2" NPT HALF CPLG (4 ports)

#24 BOLT-ON ACCESS DOOR

ACCESS LADDER W/ SAFETY CAGE

PLATTCD MODEL 1015 DOUBLE FLAP VALVE 1/2 HP 208/3/60 (STAINLESS STEEL)

MASTER CONTROL PANEL SEE NOTE #6

SPECIFICATIONS:

1. MODEL: CF-154-HC

2. CONSTRUCTION:
   - DESIGN PRESSURE: <30" W.G.
   - DESIGN TEMPERATURE: 300°F MAX.
   - DESIGN WIND SPEED: 130 MPH
   - VALVES & SUPPORT STEEL: CARBON STEEL
   - EXTRUDED ALUMINUM
   - WALLS: 7 GA. 304 SS
   - TUBE SHEET: 5/16" PL-204 SS
   - BLOD TUBES: STAINLESS STEEL
   - HEADER PIPES: STAINLESS STEEL
   - DIAPHRAGM VALVES: ALUMINUM
   - DIAPHRAGM FELTS: COPPER TUBING
   - SOLENOID VALVES: ALUMINUM

3. PAINT: DELETED

4. CERAMIC FILTER ELEMENTS:
   - QTY: 12 - FILTER AREA: 2240 SQ. FT.
   - MATERIAL: "DURAFIL" CERAMIC FILTER ELEMENT
   - SIZE: 5 3/4" DIA. X 38" L.G.
   - VENTURIS: STAINLESS STEEL

5. COMP. AIR READ: DELETED

6. MASTER CONTROL PANEL:
   - NEMA 4 ENCLOSURE MOUNTED TO SUPPORT LEG
   - ADJUSTABLE PULSE TIMERS, 115 VAC
   - DISCONNECT SWITCH
   - 230V MOTOR STARTER, FOR DOUBLE FLAP VALVE
   - START STOP SWITCHES W/ LIGHTS FOR DOUBLE FLAP VALVE AND PULSE CONTROL
   - PULSE CONTROL AND DOUBLE FLAP VALVE FACTORY WIRED

7. APPLICATION:
   - PROCESS INCINERATION
   - MATERIAL ABNORMITY
   - LOCATION OUTDOORS
   - AIR VOLUME 10,000 CFM @ 1000°F
   - AIR/CLAY RATIO: 5/1

8. GROSS WEIGHT: DELETED

9. ITEMS ASSEMBLED FOR SHIPMENT: DELETED

10. ITEMS SHIPPED SEPARATELY: DELETED
STACK EXTENSION
SEE DWG HWI-PERMIT-26

4" ID SAMPLING PORT
OPPOSITE SIDE (CAPPED) SEE DETAIL "A"

4" ID SAMPLING PORT
SEE DETAIL "B"

4" ID SAMPLING PORTS
2 EA, 90° APART (CAPPED) SEE DETAIL "A"

4" ID SAMPLING PORT
OPPOSITE SIDE (CAPPED) SEE DETAIL "A"

4" ID SAMPLING PORT
(CAPPED) SEE DETAIL "A"

CEMS PROBE (FLANGED)
SEE DETAIL "C"

4" ID SAMPLING PORTS
2 EA, 180° APART

GAS VELOCITY METER
(FLANGED)
SEE DETAIL "B"

4" ID SAMPLING PORTS
2 EA, 90° APART (CAPPED) SEE DETAIL "A"

STACK
SEE HWI-PERMIT-25

6" PORT (CAPPED)

FLEXIBLE
CONNECTION

STACK MOUNTING DETAIL

MOUNT STACK TO 18" THICK CONCRETE PAD WITH 3/4"-10UNC-2A ANCHER BOLTS & RECP'D

VIEW "A-A"

DRAFT FAN INLET DUCT

Nipple, 316 SST
1 1/2 NPT x 6 LG MATCH DRILL NIPPLE I.D. INTO DUCT.
**NOTES**

1. Use Teflon tape on pipe threads for temperatures less than 300°F. For service temperatures above 300°F, use jet lube ideal high temperature thread lubricant or Teflon.