

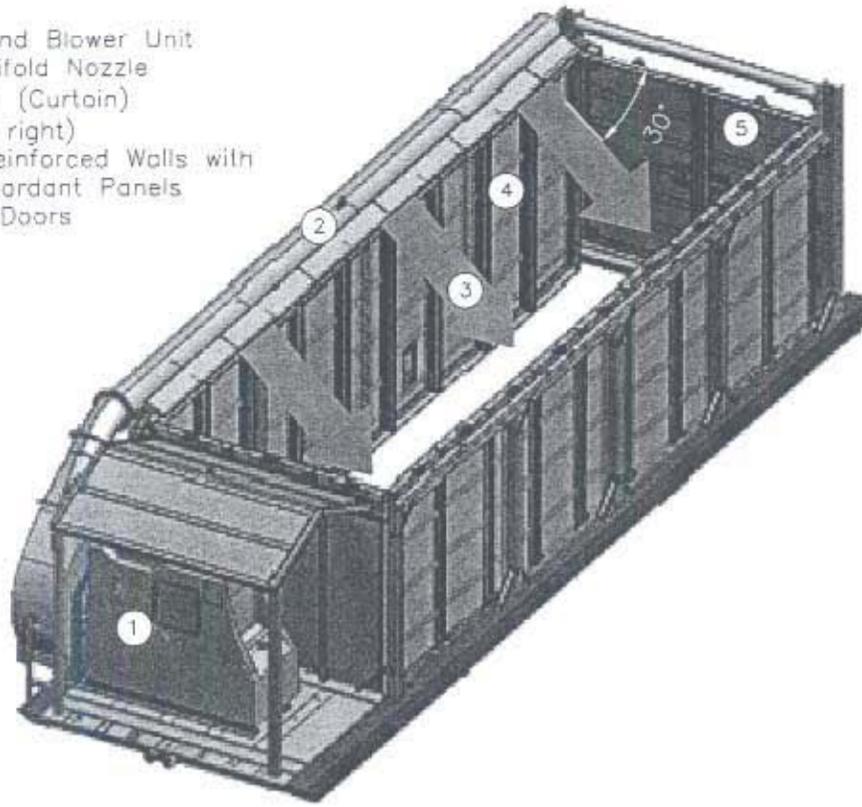
- 1 = Motor and Blower Unit
- 2 = Air Manifold Nozzle
- 3 = Air Flow (Curtain) (left to right)
- 4 = Wood Waste

NOTES:

1. THE PIT LENGTH (L) SHALL EQUAL THE LENGTH OF AIR MANIFOLD NOZZLE. PIT WALLS SHALL BE KEPT AS VERTICAL AS POSSIBLE. POOR SOILS MAY REQUIRE USE OF METAL SHEETING OR SHORING TO PREVENT CAVE INS.
2. LOCATE AIR MANIFOLD NOZZLE AS CLOSE TO GROUND AS POSSIBLE. AIR FLOW SHALL BE DIRECTED ACROSS THE PIT AT 30 DEGREE DOWN ANGLE FROM HORIZONTAL. KEEP AIR NOZZLE OUT OF DIRECT FLAME.
3. WOOD MATERIAL TO BE BURNED SHALL BE DRY. MATERIAL LARGER IN DIAMETER THAN 15" SHALL BE SPLIT PRIOR TO BURNING. MATERIAL IN PIT SHALL NOT EXTEND ABOVE MORE THAN 5' BELOW GROUND LEVEL.
4. BLOWER UNIT SHALL BE OF SUFFICIENT SIZE TO KEEP FIRE TEMPERATURE ABOVE 1800 DEGREES F AT ALL TIMES. EXTREME CAUTION MUST BE EXERCISED IN WORKING AROUND PIT.
5. FIRES SHALL BE KINDLED BY SUBSTANCES HAVING LOW IGNITION POINT. RUBBER, OILS, OR BITUMINOUS MATERIALS SHALL NOT BE USED. START FIRE ALONG FRONT SIDE OF PIT ACROSS FROM AIR MANIFOLD NOZZLE. ENGAGE BLOWER ONLY AFTER FIRE HAS CAUGHT ALONG LENGTH OF PIT.

CHARLES COUNTY GOVERNMENT DEPARTMENT OF PLANNING & GROWTH MANAGEMENT APPROVED: <i>AKW</i> 9-9-09 <small>CHEF OF CODES, PERMITS & INSPECTION SERVICES</small> DATE <i>Mah</i> 9-9-09 <small>DIRECTOR OF ENVIRONMENTAL SERVICES</small> <small>CHARLES COUNTY DEPARTMENT OF HEALTH</small>	STANDARD DETAIL AIR CURTAIN DESTRUCTOR OPEN PIT TRENCH	REVISIONS:	M 8.00
		_____ _____ _____	

- 1 = Motor and Blower Unit
- 2 = Air Manifold Nozzle
- 3 = Air Flow (Curtain)
(left to right)
- 4 = Steel Reinforced Walls with
Fire Retardant Panels
- 5 = Access Doors



NOTES:

1. THE BOX LENGTH (L) SHALL EQUAL THE LENGTH OF AIR MANIFOLD NOZZLE. BOX WALLS SHALL BE FIRE RESISTANT AT TEMPERATURES IN EXCESS OF 1800 DEGRESS F.
2. LOCATE AIR MANIFOLD NOZZLE AT TOP EDGE OF BOX. AIR FLOW SHALL BE DIRECTED ACROSS THE BOX AT 30 DEGREE DOWN ANGLE FROM HORIZONTAL. KEEP AIR NOZZLE OUT OF DIRECT FLAME.
3. WOOD MATERIAL TO BE BURNED SHALL BE DRY. MATERIAL LARGER IN DIAMETER THAN 15" SHALL BE SPLIT PRIOR TO BURNING. MATERIAL IN BOX SHALL NOT EXTEND ABOVE MORE THAN 5' BELOW THE BOX TOP.
4. BLOWER UNIT SHALL BE OF SUFFICIENT SIZE TO KEEP FIRE TEMPERATURE ABOVE 1800 DEGREES F AT ALL TIMES. EXTREME CAUTION MUST BE EXERCISED IN WORKING AROUND BOX.
5. FIRES SHALL BE KINDLED BY SUBSTANCES HAVING LOW IGNITION POINT. RUBBER, OILS, OR BITUMINOUS MATERIALS SHALL NOT BE USED. START FIRE ALONG FRONT SIDE OF BOX ACROSS FROM AIR MANIFOLD NOZZLE. ENGAGE BLOWER ONLY AFTER FIRE HAS CAUGHT ALONG LENGTH OF BOX.

<p>CHARLES COUNTY GOVERNMENT DEPARTMENT OF PLANNING & GROWTH MANAGEMENT</p> <p>APPROVED: <i>[Signature]</i> 9.9.09 CHIEF OF CODES, PERMITS, & INSPECTION SERVICES DATE</p> <p><i>[Signature]</i> 25.9.9.09 DIRECTOR OF ENVIRONMENTAL SERVICES CHARLES COUNTY DEPARTMENT OF HEALTH DATE</p>	<p>STANDARD DETAIL</p> <p>AIR CURTAIN DESTRUCTOR FIRE BOX</p>	<p>REVISIONS:</p>	<p>M 8.01</p>
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