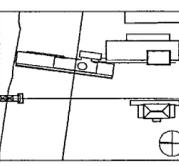


100% Construction Documents	06/27/02
90% Progress Printing	06/30/02
100% Design Development	03/01/02
Issue	Date



Job No. POLSHEK & PARTNERS ARCH 9908
CROMWELL AE 99-114

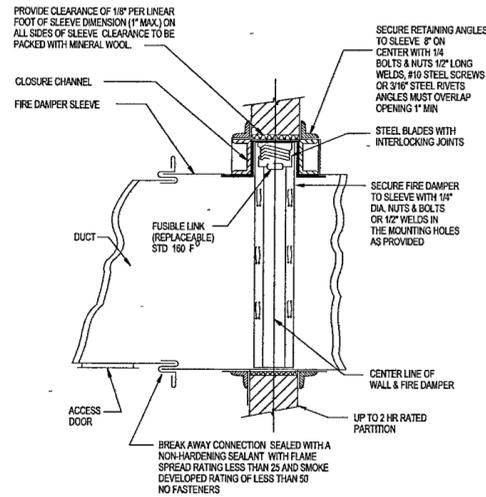
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Date: SEPTEMBER 27, 2002

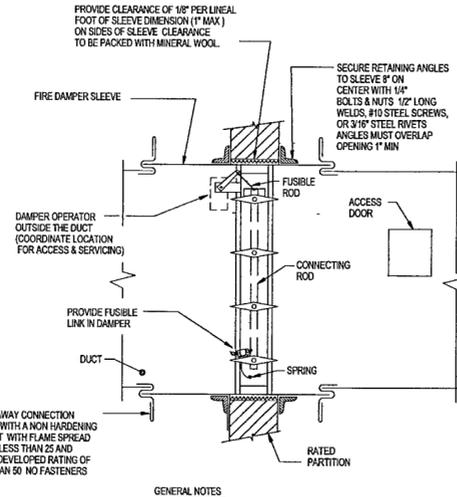
Title: HVAC DETAILS SHEET TWO

Sheet No. M601

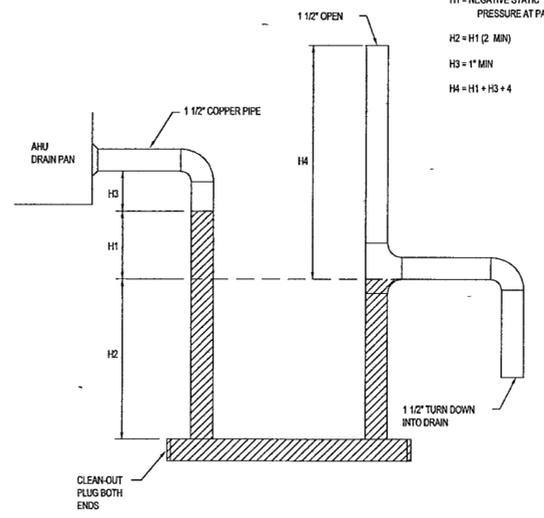
FOR OFFICIAL USE ONLY



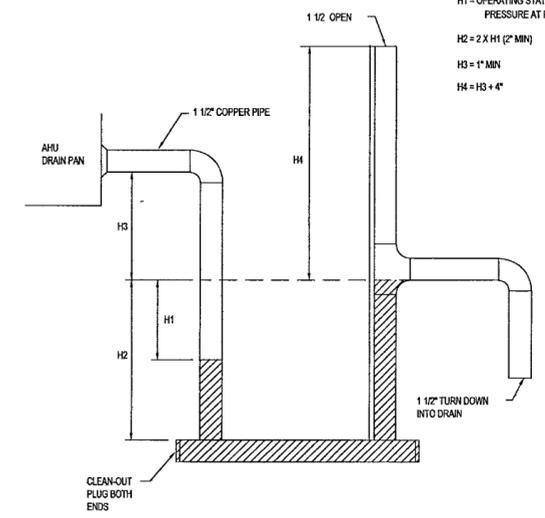
- GENERAL NOTES**
1. DETAILS SHOWN ARE FOR COMBINATION FIRE SMOKE DAMPERS IN HORIZONTAL DUCTWORK. FOR DAMPERS IN VERTICAL DUCTWORK, DETAIL IS SIMILAR.
 2. ACCESS DOOR IS SHOWN IN SIDE OF DUCT.
 3. THIS DETAIL IS FOR GUIDE ONLY. INSTALL DAMPER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S INSTRUCTIONS TO COMPLY WITH UL LISTING.
 4. FIRE DAMPERS TO BE LABELED IN ACCORDANCE WITH UL 555-1995.



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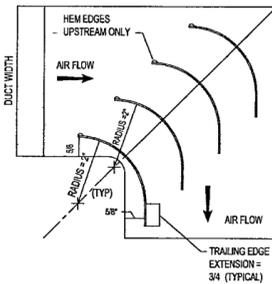


NOTE: ENSURE ALL COOLING COILS ARE SUFFICIENTLY ELEVATED TO PROVIDE FULL TRAP DEPTH ABOVE FINISHED FLOOR SLAB.



1 SHUTTER TYPE SPRING LOADED FIRE DAMPER (1-1/2 HOUR RATING)

M-601 | M-601 NO SCALE

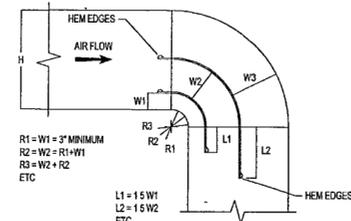


- NOTES**
1. ALL TURNING VANES TO BE MADE OF 18 GAUGE GALV. SHEET METAL. 2\"/>
 2. EDGES OF VANES SHALL BE CLEANLY SHEARED WITH NO BURRS. ETC.
 3. VANES SHALL BE SECURELY ATTACHED TO RUNNERS. AND RUNNERS TO DUCT SIDES, AS SHOWN FOR DOUBLE THICKNESS VANES IN SMACNA HIGH VELOCITY MANUAL.

TURNING VANES FOR SQUARE ELBOWS IN HIGH VELOCITY DUCTWORK OF MAXIMUM 36\"/>

2 COMBINATION FIRE AND SMOKE DAMPER WITH FUSIBLE LINK

M-601 | M-601 NO SCALE

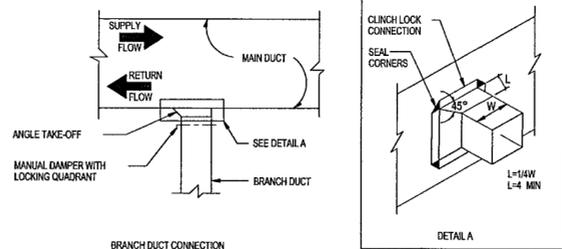
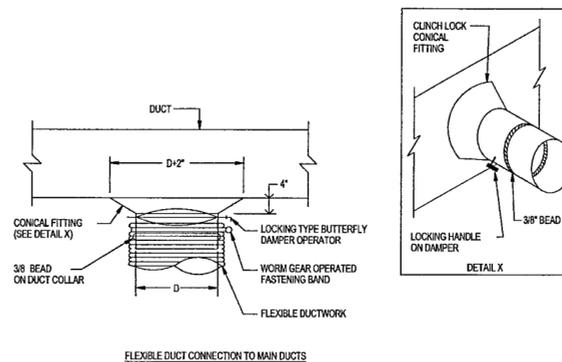


- NOTES**
1. RADIUS ELBOWS, WHERE POSSIBLE SHOULD HAVE THROAT RADIUS AT LEAST EQUAL TO DUCT WIDTH W.
 2. ALL RADIUS ELBOWS WITH A THROAT RADIUS LESS THAN THE DUCT WIDTH ARE TO BE FABRICATED WITH SPLITTERS AS SHOWN IN THIS DRAWING WHEN THROAT IS SQUARE, W1 IS TO BE 3 INCHES, W2 THEN 6\"/>
 3. WHERE VANE ELBOWS ARE REQUIRED FOR HIGH VELOCITY (>2000 FPM) SYSTEMS DUE TO SPACE CONDITIONS THIS IS ONE APPROVED TYPE OF ELBOW. DO NOT USE DOUBLE THICKNESS TURNING VANES FOR THIS APPLICATION.
 4. NUMBER OF SPLITTERS TO SUIT TOTAL DUCT WIDTH.

ELBOWS TO BE USED FOR HIGH VELOCITY DUCTWORK ABOVE 36\"/>

3 DRAW-THROUGH UNIT DRAIN TRAP

M-601 | M-601 NO SCALE

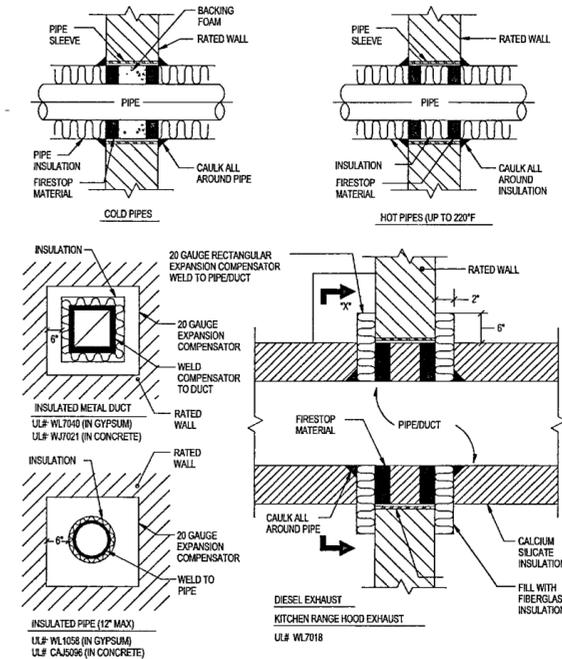


7 LOW PRESSURE BRANCH DUCT CONNECTIONS

M-601 | M-601 NO SCALE

4 BLOW-THROUGH UNIT DRAIN TRAP

M-601 | M-601 NO SCALE



8 PENETRATIONS THRU RATED WALLS

M-601 | M-601 NO SCALE

