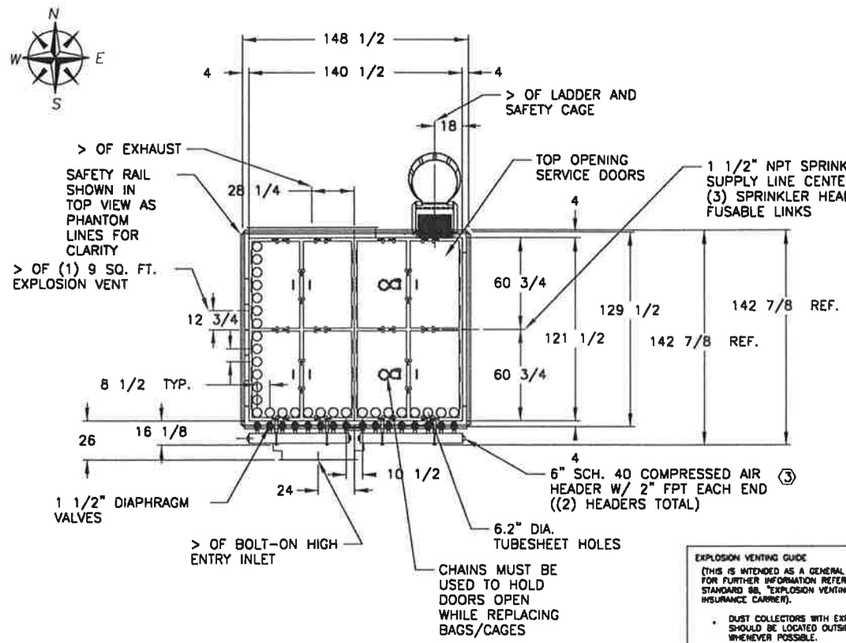
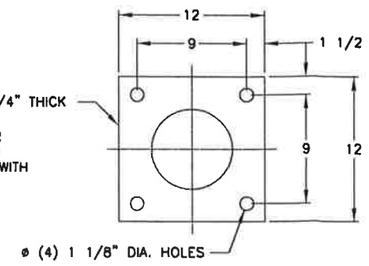
REVISIONS			
LTR.	DESCRIPTION	DATE	BY
C	REVISED & RELEASED FOR CUST INFO	08/01/07	AJB

BARR-ROSIN RECEIVED AUG 0 2 2007

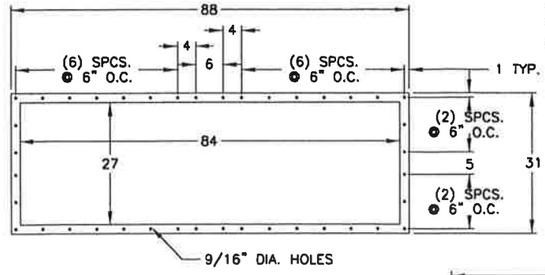




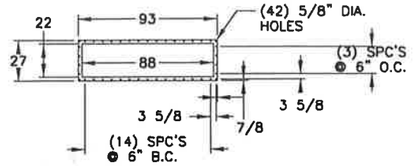
FOOT PAD DETAIL

STAINLESS STEEL TAG INFORMATION

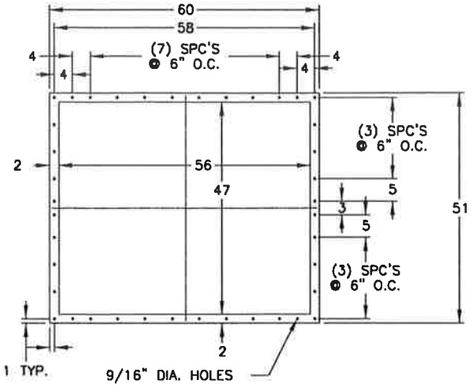
MFG: MAC EQUIPMENT INC.
SABETHA, KS
SERIAL NUMBER: 112578-001-1
MODEL: 120RPT224 FILTER
CUSTOMER P.O. #: 2409/30
PRESSURE RATING: 42" W.C. NEGATIVE
MAXIMUM OPERATING TEMP: 175°F
AIR FLOW RATE: 22,100 CFM
EQUIPMENT [redacted]



EXHAUST FLANGE DETAIL



HOPPER DISCHARGE FLANGE DETAIL



INLET FLANGE DETAIL

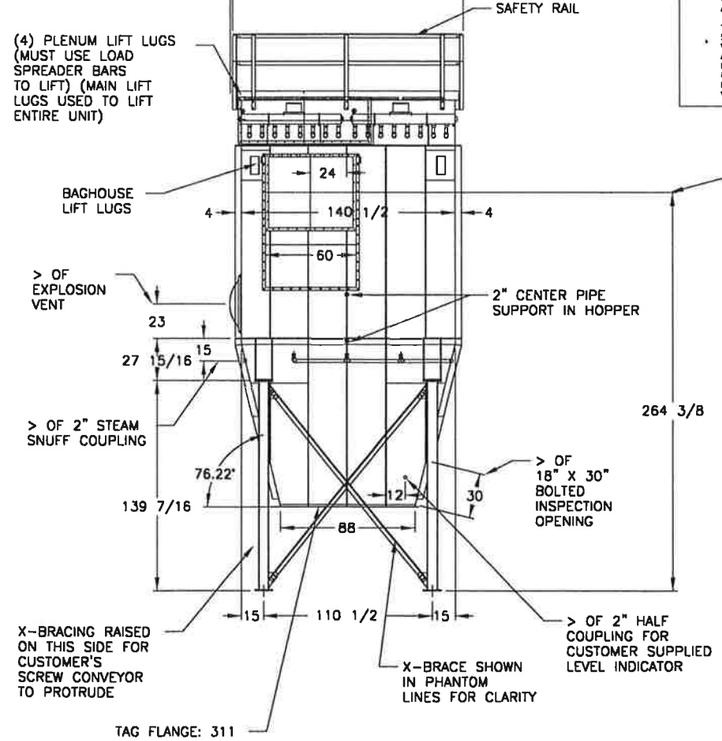
BARR-ROSIN DRAWING NUMBER

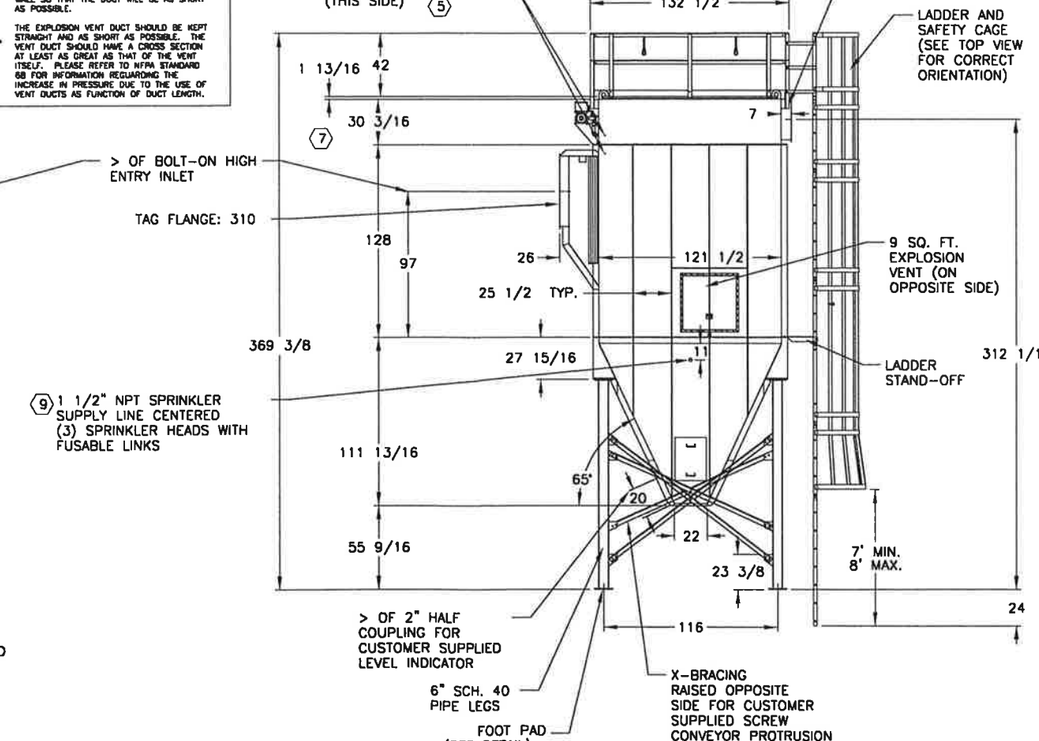
2409 - FBAG - 31 - 01 REV C

EXPLOSION VENTING GUIDE

(THIS IS INTENDED AS A GENERAL GUIDE ONLY. FOR FURTHER INFORMATION REFER TO NFPA STANDARD 68, "EXPLOSION VENTING" AND YOUR INSURANCE CARRIER).

- DUST COLLECTORS WITH EXPLOSION VENTS SHOULD BE LOCATED OUTSIDE OF BUILDINGS WHENEVER POSSIBLE.
- VENTS SHOULD BE ORIENTED WHERE FLAME, GASES, OR FLYING MATERIAL CANNOT INJURE PEOPLE.
- DUST COLLECTORS, WITH EXPLOSION VENTS, THAT ARE LOCATED INSIDE OF A BUILDING SHOULD BE LOCATED NEXT TO AN EXTERIOR WALL SO THAT THE DUCT WILL BE AS SHORT AS POSSIBLE.
- THE EXPLOSION VENT DUCT SHOULD BE KEPT STRAIGHT AND AS SHORT AS POSSIBLE. THE VENT DUCT SHOULD HAVE A CROSS SECTION AT LEAST AS GREAT AS THAT OF THE VENT ITSELF. PLEASE REFER TO NFPA STANDARD 68 FOR INFORMATION REGUARDING THE INCREASE IN PRESSURE DUE TO THE USE OF VENT DUCTS AS FUNCTION OF DUCT LENGTH.





INLET FLANGE DETAIL

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. CONSTRUCTION IS 7 GA. CARBON STEEL. WITH 3/8 X 4 FLAT BAR RIBS. FILTER IS STRESSED FOR 42" W.C.
3. THE FILTER CLEANING MECHANISM REQUIRES 42 SCFM (BASED ON 15 SEC. OFF TIME) OF CLEAN, DRY PLANT AIR AT 90-100 PSIG. (21 SCFM TO EACH HEADER)
4. EACH NEMA 4 TIMER BOARD ENCLOSURE CONTAINS (8) SOLENOID VALVES.
5. 1/8" NPT CONNECTIONS MUST HAVE PIPE PLUGS IF DIFFERENTIAL PRESSURE GAUGE IS NOT USED. MAGNEHELIC DIFFERENTIAL PRESSURE GAUGE KIT IS PROVIDED BUT SHIPPED LOOSE FOR FIELD INSTALLATION.
6. FILTER INCLUDES (224) 16 OZ. POLYESTER SNAP BAND BAGS AND GALVANIZED CAGES WITH 3719 SQ. FT. OF CLOTH AND AN AIR TO MEDIA RATIO OF 5.94:1 @ 22,100 CFM.
7. DIMENSION INCLUDES TUBESHEET THICKNESS.
8. APPROX. WEIGHT: 22,100 LBS. (INCLUDES STRUCTURE, BAGS AND CAGES)
9. UNIT INCLUDES (3) 165°F UPRIGHT SPRINKLERS.
   SPRINKLER SYSTEM REQUIREMENTS
   -PRESSURE: 15 PSI/MIN AT THE FILTER
   -CAPACITY: 31.4 GPM/SPRINKLER @ 15 PSI = 94.2 GPM TOTAL
   -SUPPLY: 90-120 MINUTES
10. SERIAL #: 112578-001-1
11. PAINT SPECIFICATIONS:
    EXTERIOR: SW4000 EPOXY SAFETY BLUE (INCLUDING SUPPORT STRUCTURE)
    INTERIOR: GRAY PRIMER

This print is certified to be dimensionally correct to ± 1/4 inch on all components, ± 1/2 on overall dimensions up to 120 inches and ± 1 1/2 on all dimensions greater than 120.
MAC EQUIPMENT, INC.
BY ANDREW BAUNGARTNER DATE 04/06/07

D56898

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120RPT224 STYLE III FILTER WITH HEI AND TROUGH HOPPER FOR BARR-ROSIN

DRAWN BY	DATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:				JOB NO.	DRAWING NO.	REV.
AJB	03/12/07	DECIMAL X.X ± 1/8	DECIMAL X.XX ± 1/16	DECIMAL X.XXX ± 1/64	ANGULAR ± 1/2°	112578	D56898	C
SCALE 1/48"=1								

8-01-2007 8:47:33 AJB

www.macequipment.com

C:\DOCUME~1\PARADI~1.CAR\LOCALS~1\Temp\notes07EE68\D56898C.dwg, 2007/08/02 8:46:49 AM, Carole Paradis