



**VENTILATION PER F.B.C. 4.03.3**

VENTILATION PER TABLE 4.03.3  
 OCCUPANCY: WAREHOUSE  
 # OF PEOPLE: 1  
 CFM/PERSON: - CFM  
 O/A REQUIRED: - CFM  
 S.F. AREA: 780.0 SF  
 O/A REQUIRED: 780 X 0.05 = 44.16 CFM  
 TOTAL O/A REQUIRED: 44.16 CFM

**A/C LEGEND**

- SQUARE DRAFTER
- (R A) RETURN AIR GRILLE
- TRANSITION
- MANUAL VOLUME DAMPER (M V D)
- FIRE DAMPER (F D)
- TEMPERATURE & HUMIDITY CONTROL
- SMOKE DUCT DETECTOR
- DEFUSER TYPE
- BACK DRAFT DAMPER
- TRANSITION BOX
- L/S LIQUID/SUCTION LINE

ABBREVIATIONS:  
 R.A. RETURN AIR  
 R.C. ROOF CAP  
 W.C. WALL CAP  
 U.C. UNDER CUT  
 O/A OUTSIDE AIR  
 S.A.D. SUPPLY AIR DUCT  
 R.A.D. RETURN AIR DUCT  
 R.A.G. RETURN AIR GRILLE  
 E.A.G. EXHAUST AIR GRILLE  
 T.E.D. TOILET EXHAUST DUCT  
 A.V.D. AUTOMATED VOLUME DAMPER  
 R.V.U. ROOF TOP UNIT  
 B.D. BACK DRAFT DAMPER  
 (E) EXISTING TO REMAIN  
 (N) NEW  
 (RE) RELOCATED  
 (R) REMOVED  
 (S) SPLIT  
 (T) TEST STATION  
 (W) WELDED & SOUNDED

NOTE: NOT ALL SYMBOLS USED FOR THIS PROJECT

**EXHAUST FAN DATA**

FAN #	MANUFACTURER	CFM	E.S.P. IN. WG.	RPM	OPERATING WEIGHT	ACCESS	REMARKS
EF-1	BROAN	50	0.100	1200	13.2 LBS	-	X 6" SHEET METAL DUCT PLANS FOR X TIE TO L.T.S.
EF-2	GREENHECK	538	0.100	1200	128 LBS	-	X 4" SHEET METAL DUCT PLANS FOR X TIE TO L.T.S.
EF-3	BROAN	80	0.100	1200	13.2 LBS	-	X 6" SHEET METAL DUCT PLANS FOR X TIE TO L.T.S.

**MECHANICAL PLAN**  
 Scale: 3/16" = 1'-0"

**REVISION: 06/29/15**  
**PERMIT SET: 04/20/15**

NOTE: ANY DESIGN CHANGES TO THE SYSTEM COVERED BY THESE PLANS SHALL BE THE RESPONSIBILITY OF THE ENGINEER WHO REBARED THESE PLANS. ALL CHANGES SHALL BE IN ADDITION TO THE REVISIONS LISTED HEREIN. THE COMPANY ACCEPTS RESPONSIBILITY FOR THE ORIGINAL DESIGN AND ANY CHANGES APPROVED BY THE COMPANY. THESE CHANGES SHALL BE INDICATED BY A REVISION NUMBER AND DATE.

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