AIR CURTAIN SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL	WEIGHT (LBS)	FAN MOTORS HP	VOLTS	PH	ELECTRICAL DATA FLA	MCA	MOCP	NOTES
INSTALL AIR CURTAIN	GSP	BERNER POWERED AIRE	CHD10-1046A ETA 1-48	154	0.75	120	1	8.0	10.0	15	A, H, I

GENERAL INFORMATION (ALL DEVICES):
1. AIR CURTAINS FURNISHED AND INSTALLED BY CONTRACTOR.
2. INSTALL BOTTOM OF WALL MOUNTED AIR CURTAIN AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
3. PROVIDE A DEDICATED ELECTRICAL CIRCUIT FOR EACH AIR CURTAIN WHEN MULTIPLE AIR CURTAINS ARE INSTALLED AT A SINGLE OPENING.

NOTES:

A. FURNISHED WITH FACTORY MOUNTED NON-FUSED TOGGLE DISCONNECT SWITCH LOCATED ON TOP OF AIR CURTAIN.
B. FURNISHED WITH MANUFACTURER'S 120V PHOTOELECTRIC SENSOR SWITCH. SENSOR REFLECTOR, AND REQUIRED ACCESSORIES TO ENERGIZE ALL AIR CURTAINS AT EACH DOOR ON HIGH SPEED WHEN DOOR OPENS AND DE-ENERGIZE AIR CURTAINS WHEN DOOR CLOSES.
C. UNIT SHALL BE TOP MOUNTED. FOR CURTAIN INSTALLATIONS NOT DETAILED ON ARCHITECTURAL DRAWINGS, SUSPEND CURTAINS FROM UNISTRUT INSTALLED BELOW DOOR TRACK AND SPANNING ENTIRE DOOR OPENING AS REQUIRED. SUPPORT UNISTRUT FROM STRUCTURE.
D. AS REQUIRED, ALL OPENINGS WITH TWO AIR CURTAINS TO BE FURNISHED WITH A FIELD MOUNTED AND WIRED RELAY TO ALLOW FOR ONE SWITCH TO ACTIVATE TWO AIR CURTAINS.
E. BERNER SHALL BE FURNISHED WITH FACTORY INSTALLED SINGLE PHASE CONTROL PANEL, LEFT END.
F. BERNER UNIT SHALL BE FURNISHED WITH TANDEM PERFORMANCE KITS.
G. BERNER UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED INTELLISWITCH DIGITAL CONTROLLER.
H. UNIT SHALL BE FURNISHED WITH A FIELD MOUNTED AND WIRED 24V MAGNETIC LIMIT DOOR SWITCH AND TIME DELAY TO ENERGIZE AIR CURTAIN WHEN DOOR OPENS AND CONTINUE OPERATION FOR 60 SECONDS AFTER DOOR CLOSES.
I. FURNISHED WITH WALL MOUNT BRACKETS FOR AIR CURTAIN MOUNTING AT 10 INCHES ABOVE DOOR OPENING TO AVOID DOOR HARDWARE AND ACCESSORIES. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
J. INSTALL BOTTOM OF AIR CURTAIN NO HIGHER THAN 8'-0" AFF. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
K. AIR CURTAIN SHALL BE TESTED IN ACCORDANCE WITH ANSI/AMCA 220.
L. UNITS SHALL BE BLACK IN COLOR.
M. BERNER FURNISHED WITH FACTORY INSTALLED FAN SPEED CONTROL WITH TAMPER PROOF COVER.

AIR DEVICE SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	STYLE	FRAME TYPE	FACE SIZE	NOTES
RAW	RETURN AIR	TUTTLE & BAILEY E.H.PRICE CARNES	T7S 510Z RSRBH	FIXED BLADE WALL GRILLE	SURFACE MOUNT	REFER TO DRAWINGS	B, E, I
SAG	SUPPLY AIR	TUTTLE & BAILEY E.H.PRICE CARNES	S1200 SCD SFTB	FIXED BLADE SQUARE NECK CEILING DIFFUSER	LAY-IN	24"x24"	B, D, E, M
SAW	SUPPLY AIR	TUTTLE & BAILEY E.H.PRICE, CARNES	T64 520D8 RTDBV	LOUVERED FACE REGISTER	SURFACE MOUNT	REFER TO DRAWINGS	B, E, F, H

VOLUME / BALANCE DAMPER SCHEDULE

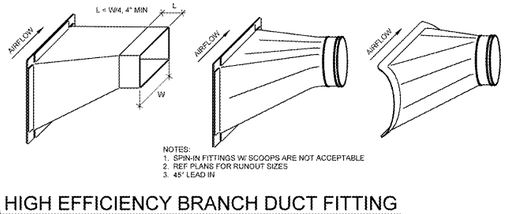
TYPE	MANUFACTURER / MODEL
ROUND	AES / VMVCD RUSKIN / VMMS25
RECTANGULAR	AES / AMD4 RUSKIN / VMD25

GENERAL INFORMATION (ALL DEVICES):
1. INSTALL BOTTOM OF WALL MOUNTED AIR DEVICES AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
2. BALANCE DAMPER CONTACTS:
   AES - (800) 789-0402
   RUSKIN - (816) 781-7476

NOTES:
A. 6-WAY (DB1-DB3) OR 4-WAY (DB4-DB6) THROW UNLESS SHOWN OTHERWISE WITH FLOW ARROWS ON PLAN.
B. ALL STEEL CONSTRUCTION.
C. ALL ALUMINUM CONSTRUCTION.
D. BRANCH DUCT SIZE SHALL BE SAME AS NOTED DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
E. STANDARD WHITE FINISH.
F. PROVIDE NECK FOR DUCT CONNECTION.
G. DROP BOX DIFFUSERS FURNISHED BY OWNER INSTALLED BY CONTRACTOR. REFERENCE SPECIFICATIONS.
H. PROVIDE INTEGRAL OPPOSED BLADE DAMPERS ON ALL DRUM LOUVERS ON DROP BOXES WITH BRANCH DUCTWORK ATTACHED TO THE SUPPLY PLENUM.
I. PROVIDE MANUFACTURER'S OPPOSED BLADE DAMPER ACCESSIBLE THROUGH FACE UNLESS NOTED OTHERWISE.
J. PROVIDE WITH FASTENERS FOR COMPLETE (NON-HINGED) REMOVABILITY OF GRILLE. DO NOT PROVIDE FILTER UNLESS NOTED OTHERWISE.
K. TWO 2" SLOTS WITH MANUFACTURER'S INSULATED PLENUM (TUTTLE & BAILEY LP. PRICE JSPI. CARNES CXPC.)
L. REFER TO PLANS FOR DIRECTIONAL ARROWS INDICATING CFM THROWS FOR PROPER GRILLE SELECTION.
M. PROVIDE ROUND NECK ADAPTER
N. PROVIDE CEILING TRANSITION REGISTER BOX WITH 16" OR 24" PLATE FOR ROUGH-IN.

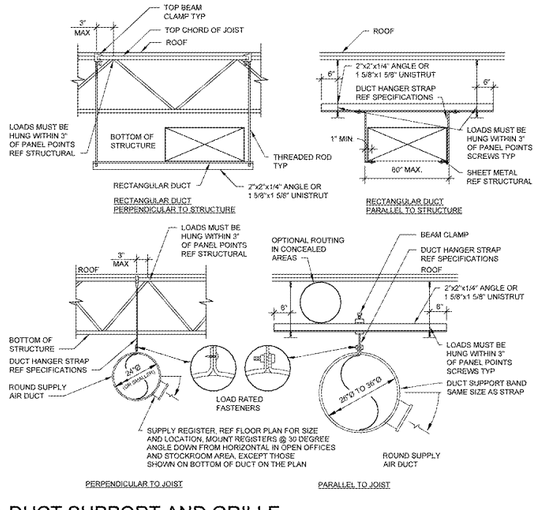
MECHANICAL SYMBOLS

18"x12"	RECTANGULAR DUCT 18" WIDE BY 12" DEEP
12" Ø	12" DIAMETER ROUND DUCT
	SUPPLY DUCT IN SECTION
	RETURN OR EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	TEE WITH TURNING VANES
	ROUND (OR OVAL) ELBOW
	VOLUME/BALANCE DAMPER
	SUPPLY AIR DIFFUSER WITH ROUND SUPPLY DUCT
	RETURN OR EXHAUST AIR DIFFUSER WITH ROUND DUCT
450	BRANCH DUCT AND/OR NECK SIZE. DIFFUSER OR GRILLE TYPE CFM
T	THERMOSTAT
S	TIMER
S-X	TEMP SENSOR
	CONNECT TO EXISTING
ETR	EXISTING TO REMAIN
FD	FIRE DAMPER



NOTES:
1. SPIN-IN FITTINGS W/ SCOOPS ARE NOT ACCEPTABLE
2. REF. PLANS FOR RUNOUT SIZES
3. 45° LEAD IN

2 HIGH EFFICIENCY BRANCH DUCT FITTING
NTS



1 DUCT SUPPORT AND GRILLE
NTS

Order Plans @ WWW.LDILine.com

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DOCUMENT DATE:	02/24/20

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MECHANICAL DETAILS AND SCHEDULES

SHEET:
M2

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ANTHONY R. WELTER