Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 12/08/14

FAN SCHEDULE

	SERVES	MANUFACTURER-MODEL	TYPE	DRIVE	CFM	SP (IN. WC.)	MAX RPM	ELECTRICAL BHP	MOTOR HP	MOTOR SPEED	VFD FURN. BY	STARTER FURN. BY	DISC. SWITCH FURN BY	VOLTS/PH	LWA	WEIGHT (LBS.)	DAMPER	NOTES
EF-1	48" FUME HOOD	COOK CPS 70	UTILITY SET	BELT	485	0.5	2295	.26	.5	N/A	NA	N/A	26	110/1/60	86.0	175	YES	1, 2, 3, 4, 5, 6
EF-2	PREP ROOM	COOK ACRUD 90R15DH	UPBLAST	DIRECT	220	0.5	1368	79 W	0.125	N/A	N/A	N/A	26	110/1/60	5.7 SONES	28	MOD	7

1. BELT DRIVE FANS SHALL BE SELECTED WITH MEDIUM DRIVE LOSS
2. PROVIDE ALUMINUM WHEEL
3. PROVIDE BASE RAILS WITH SPRING ISOLATION
4. PROVIDE HOUSING DRAIN
5. PROVIDE BACKDRAFT DAMPER AT OUTLET
6. PROVIDE WEATHER COVER
7. PROVIDE VARIABLE SPEED CONTROL SWITCH

REGISTERS - GRILLES - DIFFUSERS (RGD) SCHEDULE

TAG	PRICE MODEL	TYPE	NECK SIZE	FACE SIZE	CFM RANGE	MAX TOTAL P.D. (IN.W.C.)	MAX NC LEVEL	BORDER TYPE	BLOW	NOTES
S-1	SCD	SQ. CEILING SUPPLY DIFFUSER	6" DIA	24" X 24"	0-139	0.07"	16	LAY-IN	4-WAY, ADJUSTABLE	
S-2	SCD	SQ. CEILING SUPPLY DIFFUSER	8" DIA	24" X 24"	140-240	0.07"	19	LAY-IN	4-WAY, ADJUSTABLE	
S-3	SCD	SQ. CEILING SUPPLY DIFFUSER	10" DIA	24" X 24"	241-440	0.07"	22	LAY-IN	4-WAY, ADJUSTABLE	
R-1	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	12" X 12"	12" X 12"	0-290	0.05"	27	SURFACE MT.	----------	
R-3	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	24" X 24"	24" X 24"	300-1000	0.05"	22	LAY-IN	----------	

F1 MECHANICAL ~ SCHEDULES
NONE

FLEX DUCT NOTES:

1. FLEX DUCT SHOULD EXTEND STRAIGHT FOR SEVERAL INCHES FROM A CONNECTION BEFORE BENDING.
2. FLEX DUCT SHALL HAVE A MAXIMUM OF 1/2" SAG PER FOOT OF SUPPORT SPACING.
3. CLOSER MAXIMUM INTERVALS MAY BE SPECIFIED AS A CONDITION OF U.L. LISTING, PARTICULARLY IN FIRE RATED FLOOR-CEILING ASSEMBLIES.
4. MINIMUM BEND RADIUS (R) SHALL BE EQUAL TO OR GREATER THAN THE FLEX DUCT DIAMETER (D), TYPICAL.

F1 DETAIL ~ SUPPLY DIFFUSER
NONE

NOTES:

1. JOIST REINFORCEMENT REQUIRED WHEN POINT LOAD EXCEEDS 150 LBS. AT TOP CHORD AND 50 LBS. AT BOTTOM CHORD
2. BENEATH MECH. CURBS, PROVIDE JOIST REINF. AT JOIST PANEL JOINTS. WHEN CURBS ARE OFFSET FROM PANEL BY MORE THAN 2", REINF. JOIST AS SHOWN IN THIS DETAIL.

D1 TRUSS FIELD MODIFICATION FOR POINT LOAD > 200 #
3/4" = 1'-0"

D4 TYPICAL SLEEPER DETAIL
3/4" = 1'-0"

NOTES:

1. VARIATIONS TO PLENUM HEIGHT DUE TO BUILDING STRUCTURE, ETC. SHALL BE APPROVED BY THE ENGINEER/ARCHITECT.
2. PAINT INSIDE OF PLENUM FLAT BLACK.

C8 DETAIL ~ RETURN GRILLE
NONE

A1 MECHANICAL ROOF PART PLAN
1/8" = 1'-0"

C4 TYPICAL GUY WIRE ANCHOR DETAIL
3/4" = 1'-0"

NOTE:

1. SEE ARCHITECTURAL DRAWINGS FOR ROOF CURB FLASHING DETAILS.

A6 DETAIL ~ ROOF TOP EXHAUST FAN
NONE

A8 DETAIL ~ UP BLAST EXHAUST FAN
NONE

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allied Project No: 14-024
CAD File: 14024_M

Minor Interior Renovations at 196 Allen Avenue for Casco Bay High School 196 Allen Avenue, Portland Maine

NORTH

STATE OF MAINE
ANTHONY S. DAVIS
No. 8834
LICENSED
PROFESSIONAL ENGINEER

JOB NO.
14036

DRWN. CHK

SCALE:
As Indicated

ISSUE STATUS
CONSTRUCTION

ISSUE DATE
APRIL 18, 2014

TITLE
MECHANICAL DEMOLITION PLAN & MECHANICAL PLAN

SHEET
MH-500

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