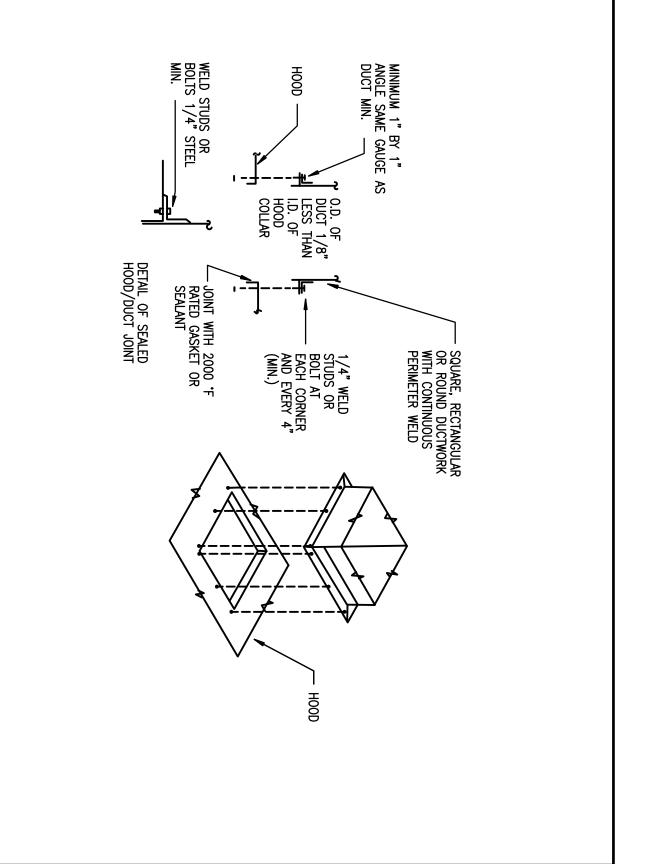
NOTES:

(1) EF-1 CONTROLS SHALL BE INTERLOCKED WITH MUA-1
(2) PROVIDE EXHAUST FANS WITH HINGE BASE KIT FOR M
(3) EXHAUST FANS MUST BE UL 762 APPROVED.
(4) UNIT SHALL BE PROVIDED WITH 20" VENTED ROOF CU
(5) EXHAUST FANS SHALL BE PROVIDED WITH DISCONNECT NOTES:

(1) MUA-1
(2) UNIT SH MUA-1 No. EF-1 SHALL BE ROOF SIZE 6x4 10x4 16x4 24x4 6x5 10x5 16x5 24x5 6x6 10x6 10x6 16x6 16x6 24x6 8x8 16x8 24x8 16x8 24x8 SHALL BE PROVIDED WITH DISCONNECT PROVIDED 1950 CFM INTERLOCKED ALTERNATE LOCATION SP (INCHES) 0.75" MISC. STEEL FRAMED OPENING BY G.C. -HTIM 20" 11.5x5.5 17.5x5.5 25.5x5.5 25.5x5.5 11.5x6.5 17.5x6.5 17.5x7.5 17.5x7.5 9.5x9.5 17.5x9.5 17.5x11.5 25.5x11.5 WITH EF-1. OUTSIDE AIR 지 지 문 문 BELT 1950 ROOF RECTANGULAR BRANCH DUCT CURB. 1.5 2438 CFM Ŧ. FOR MAINTENANCE ROOF-MOUNTED ⋚ ESP IN. WG. VOLTS MAKE-UP AIR UNIT PREFERRED
RECTANGULAR
BELLMOUTH
FITTING MODEL
RBMD PREFERRED E-OFF FITTING 208 . ₩ (MAX.) 1392 ELECTRICAL DATA EXHAUST FAN SCHEDULE NEOPRENE GASKET TO MINIMIZE AIR LEAKAGE.
 PRE-DRILLED HOLES FOR QUICK MOUNTING.
 CONSTRUCTED OF HEAVY DUTY GALVANIZED STEEL ALL ROUND AND RECTANGULAR BELLMOUTH FITTINGS SHALL BE INCLUDED WITH THE FOL-LOWING STANDARD FEATURES: NOTES: ZΗ 60 KITCHEN SCHEDULE BLOCK CURB AS REQUIRED TO LEVEL FAN FLA 4.7 ⋚ <u>ALTERNATE</u> TAKE-OFF FITTING 60 ALTERNATE 45° RECTANGULAR TAKE-OFF **EXHAUST** TAKE-OFF INPUT 4.7 150 HEATING OPER. (LBS.) 190 26 GUAGE GALVANIZED
QUANDRANT VOLUME DAMPER
WITH TIGHT FITTING GASKETING
TO MINIMIZE LEAKAGE AT
DAMPER PIVOT POINTS.
 HEAVY DUTY HARDWARE IS
AVAILABLE FOR APPLICATIONS
WITH INCREASED STATIC
PRESSURE. OPTIONAL FEATURES SHALL INCLUDE THE FOLLOWING: - INSULATED
CURB W/COUNTER
FLASHING VERTICAL DISCHARGE KITCHEN HOOD RATED FAN (MBH) 18" MIN. WELDED DUCTWORK ABOVE ROOF OUTPUT WELD STEEL DUCT TO ANGLE IRON SPECIFIED INSULATION TO END OF DUCT RUN. FAN 120 DETAIL MANUFACTURER MODEL NUMBER NOTE:
MECHANICAL CONTRACTOR
SHALL BE RESPONSIBLE FOR
COORDINATION OF ROOF.
OPENING SIZES & PLACEMENT
FOR G.C. WEIGHT (LBS) 595 12345 SIN SIN 1)2) BOLT ANGLE ———/
TO SLEEVE & FLOOR STAINLESS STEEL NAGATOR CLOSURE SPRING <u>PREFERRED</u> TAKE-OFF FITTING TOP OF FLOOR SLAB BELLMOUTH FITTING MODEL BMD (1) FINISH TO BE APPROVED BY ARCHITECT. DUCT SIZE SYMBOL SD-2 SD-5 SD-4 SD-3 SD-1 TYPICAL FIRE DAMPER DETAIL FOR VERTICAL AIR FLOW STANDARD REPLACEABLE FUSIBLE LINK 160° F (71.1°C) ALTERNATE \* ALTERNATE FITTINGS TO BE USED WHEN DUCT HEIGHT DOES NOT PERMIT THE USE OF THE FULL SIZE BELLMOUTH. BLADE & LINK CLINCH SEE DWG'S SEE DWG'S SEE DWG'S <u>ALTERNATE</u> \*
TAKE-OFF FITTING MINIMUM
DUCT
HEIGHT
10"
11"
12"
13"
14"
16"
18"
20" BRANCH 4 ROUND SEE DWG'S SEE DWG'S SEE DWG'S SELECTION RANGE (CFM) SEE DWG'S DIFFUSER, GRILLE & REGISTER SCHEDULE BLADE LOCK - ACCESS DOOR (BOTH SIDES OF FLOOR) BRANCH DUCT TAKE-OFF 1-WAY BLOW 11100007 6142700007 DUCT SIZE 2-WAY MINI-BELLMOUTH CONNECTION MODEL MBMD 4-WAY ALTERNATE \*
TAKE-OFF FITTING 1 1 1 9 1 7 1 SIZE MOUNTING "S" JOINT-COLLAR
TO DUCT (TYP.) T-BAR T-BAR T-BAR T-BAR 11, 13, 11, 19, 1 OPPOSED BLADE DAMPER YES YES YES YES YES DUCT MATERIAL DUCT SIZE STEEL STEEL STEEL STEEL STEEL STEEL -1 1/2"X1 1/2"X10 GA OR HEAVIER ANGLES SNUG TO FLOOR & COLLAR ALL AROUND STANDARD 45° RECTANGULAR TO ROUND BOOT CONNECTION MODEL 3300D ALTERNATE \*
TAKE-OFF FITTING DETAIL GALV. STEEL BLADES W/INTERLOCKING JOINTS 0.5"×12" 0.5"×12" 0.5"×12" 0.5"×12" 0.5"×12" 0.5"×12" 10 GA. STEEL FIRE DAMPER SLEEVE 4 SIDES (TYP.) SIZE 1" TYP. MIN ALL AROUND - 1/4" CLEARENCE ALL AROUND TITUS - TDC TITUS - TDC TITUS - TDC MANUFACTURER MODEL NO. (AS STANDARD) TITUS - PAR MINIMUM DUCT HEIGHT 7" 8" 8.5" 8.5" 8.5" 12" 10.5" TOP BLADE RIVETED TO FRAME SIN SIN  $|\Theta|$ REMARKS

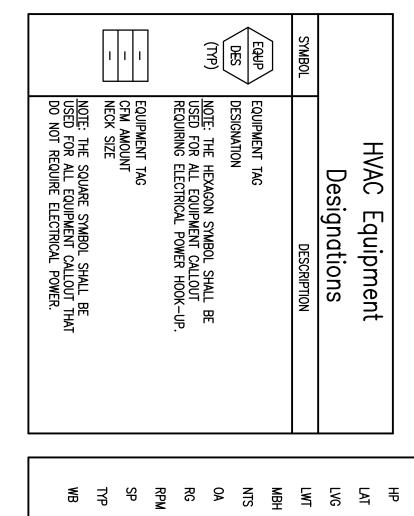


**EXHAUST** 

DUCT

CONNECTION TO KITCHEN HOOD

SIN



l	SP	RPM	RG	O <sub>A</sub>	NTS	MBH	LWT	LVG	Ą	<del></del>		FPM	FLR	FLA	EXH	EWT	EG	D	DB	Ç	8	,
	STATIC PRESSURE (INCHES OF WATER)	REVOLUTIONS PER MINUTE	RETURN GRILLE	OUTSIDE AIR	NOT TO SCALE	THOUSAND BTU PER HOUR	LEAVING WATER TEMPERATURE	LEAVING	LEAVING AIR TEMPERATURE	HEAT PUMP/HORSE POWER	GENERAL CONTRACTOR	FEET PER MINUTE	FLOOR	FULL LOAD AMPS	EXHAUST	ENTERING WATER TEMPERATURE	EXHAUST GRILLE	DOWN	DRY BULB TEMPERATURE 'F	CONDENSATE PUMP	CLEANOUT	
Н	an c									ПГ												-

EYMBOL  SYMBOL  NEW PIPING, DUCTWORK, EQUIPMENT, ETC.  LINE WEIGHT)  SUPPLY/OUTSIDE AIR DUCT UP  RETURN/EXHAUST DUCT UP  SUPPLY DIFFUSER  PED AMPER  CONNECT TO EXISTING  THERMOSTAT  BITU  BRAKE HORSEPOWER  BRAKE HORSEPOWER  CONDENSATE																	
WAC Ductwork Symbols & Abbreviations  DESCRIPTION  NEW PIPING, DUCTWORK, EQUIPMENT, ETC. (LINE WEIGHT)  SUPPLY/OUTSIDE AIR DUCT UP  RETURN/EXHAUST DUCT UP  SUPPLY DIFFUSER  RETURN/EXHAUST REGISTER  MANUAL VOLUME DAMPER  FIRE DAMPER  CONNECT TO EXISTING  THERMOSTAT  SWITCH SERVING FAN  ABOVE FINISHED FLOOR  BRAKE HORSEPOWER  BRITISH THERMAL UNIT  CONDENSATE	CĐ	BTU	BHP	AFF	<u></u>	Θ		L	_ 6		$\boxtimes$		X		SYMBOL		<b>=</b>
	CONDENSATE	BRITISH THERMAL UNIT	BRAKE HORSEPOWER	ABOVE FINISHED FLOOR	SWITCH SERVING FAN	THERMOSTAT	CONNECT TO EXISTING	FIRE DAMPER	MANUAL VOLUME DAMPER	RETURN/EXHAUST REGISTER	SUPPLY DIFFUSER	RETURN/EXHAUST DUCT UP	SUPPLY/OUTSIDE AIR DUCT UP	NEW PIPING, DUCTWORK, EQUIPMENT, ETC. (LINE WEIGHT)	DESCRIPTION	& Abbreviations	VAC Ductwork Symbols

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Mechanical Legend, Details, & Schedules	Issued: 12/11/07	Scale: As Noted	Job No.: 07417	LLOYD A RCHITECT  Two High Cliff, Plymouth MA 02360  TEL: (508) 746-4646  FAX: (508) 746-1236  E-MAIL: info@lloydarch.com

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WET-BULB TEMPERATURE





The Shipyard
Main Terminal - Lower Level
Portland International Jetport
1001 Westbrook Street
Portland, ME 04102

Portland MF 04101	BREWING COMPANY  86 Newbury Street	THE SHIPYARD	

S				

Date