

GAS FURNACE SCHEDULE - BASE DESIGN																
F #	TYPE	INPUT MBH	OUTPUT MBH	CFM	MIN. F.A.	EXT. S.P.	HEAT EXCH. MTL.	BLOWER				PILOT	VENT	FILTER MERV 8 MIN.	MANUFACTURER & MODEL NO.	NOTES
								SIZE	DRIVE	H.P.	ELEC. CHAR.					
1	HORIZ	120	115	-	350	0.6	ALUMINIZED STL	11X11	DIRECT	1	120/1	HOT S	3"	2" TA	YORK TM9V120D20MP12C	1-4

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSION, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

1. PROVIDE CONCENTRIC VENT. INSTALL PER MANUFACTURER INSTRUCTIONS. MAINTAIN MINIMUM CLEARANCES: 36" BETWEEN VENTS, 10'-0" FROM ANY FRESH AIR INTAKE.
2. PROVIDE CO₂ SENSOR, INSTALLATION BY CONTROLS CONTRACTOR. INTERLOCK CO₂ SENSOR WITH MOTORIZED DAMPER IN OUTSIDE AIR DUCT.
3. PROVIDE FURNACE WITH 2 STAGE HEATING.
4. DUCT SMOKE DETECTOR AND REMOTE TEST STATION PROVIDED BY AND INSTALLED BY E.C. REMOTE TEST STATION TO BE LOCATED IN OCCUPIED SPACE AND CONNECTION TO FIRE ALARM SYSTEM BY E.C. COORDINATE WITH E.C.

CONDENSING UNIT SCHEDULE - BASE DESIGN														
CU #	CONDENSING UNIT							EVAPORATOR UNIT						NOTES
	NOMINAL TONNAGE	ELEC. CHAR	MCA	MOCF	S.E.E.R	WEIGHT (LBS)	MANUFACTURER & MODEL NO.	CFM	MAX S.P.	BLOWER MOTOR	ELEC. CHAR	MCA	MANUFACTURER & MODEL NO.	
1	5	240/1	31.4	50	19	295	YORK YXT60B21S	-	0.3	-	SEE FURNACE SCHEDULE	-	YORK XAFD60JBCN1	1-7

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1. E.C. TO PROVIDE AND INSTALL POWER DISCONNECT FOR UNIT. COORDINATE WITH M.C.
2. M.C. TO INCLUDE PRE-CHARGED LINE KIT. INSULATE SUCTION LINE.
3. TWO STAGE COOLING.
4. FOR LINE LENGTH EXCEEDING 50', M.C. MUST PROVIDE FACTORY DESIGNED AND FACTORY OR FIELD FABRICATED REFRIGERANT PIPING.
5. MOUNT UNITS ON CONDENSING UNIT SUPPORTS RE: 10/MS01 FOR MORE INFORMATION.
6. INSULATE SUCTION LINE WITH 5/8" AP ARMAFLEX INSULATION OR EQUAL. SEAL ALL JOINTS WATER TIGHT TO PREVENT CONDENSATE IN THE CEILING.
7. PROVIDE UNIT WITH HAIL GUARD.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE					
PLAN SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NO.	MATERIAL	FINISH	NOISE CRITERIA
CDR-1	SQUARE FACE, ROUND NECK, 4-WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR LAY-IN CEILING INSTALLATION.	PRICE SCD (4C)	STEEL	WHITE	-
CDR-2	SQUARE FACE, ROUND NECK, 4-WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR SURFACE MOUNT INSTALLATION.	PRICE SCD (4C)	STEEL	WHITE	-
RG-1	SQUARE PATTERN GRILLE, FIXED CORE OF 1/2"x1/2"x1/2" FABRICATED ALUMINUM SQUARES, FLAT FRAME WITH 1 1/4" MARGIN, FOR LAY-IN CEILING INSTALLATION.	PRICE 80	ALUMINUM	WHITE	-
EG-1	SQUARE PATTERN GRILLE, FIXED CORE OF 1/2"x1/2"x1/2" FABRICATED ALUMINUM SQUARES, FLAT FRAME WITH 1 1/4" MARGIN, FOR SURFACE MOUNT INSTALLATION.	PRICE 80	ALUMINUM	WHITE	-

NOTES:
SEE PLANS FOR QUANTITY AND SIZES.
M.C. TO FIELD VERIFY CEILING TYPE FOR ALL GRD BEFORE PURCHASING EQUIPMENT. PROVIDE REQUIRED MOUNTING.

DUCTWORK/INSULATION SCHEDULE												
SYSTEM	LOW PRESSURE			MED. PRESS.		HIGH PRESS.		INSULATION				NOTES
	MAX. PRES.	SEAL			MAX PRES.	SEAL A	MAX PRES.	SEAL A	INTERNAL THICKNESS	EXTERNAL THICKNESS	EXTERNAL THICKNESS	
SUPPLY AIR WITHIN 10' OF UNIT	2"	X	-	-	-	-	-	-	YES	1"	NO	-
SUPPLY AIR BEYOND 10' OF UNIT	2"	X	-	-	-	-	-	-	NO	-	YES	2" FSK
RETURN AIR WITHIN 10' OF UNIT	2"	-	X	-	-	-	-	-	YES	1"	NO	-
RETURN AIR BEYOND 10' OF UNIT	2"	-	X	-	-	-	-	-	NO	-	YES	2" FSK
OUTSIDE AIR/MIXED AIR	2"	-	X	-	-	-	-	-	NO	-	YES	3" FSK
EXHAUST AIR	2"	-	X	-	-	-	-	-	NO	-	YES	2" FSK

NOTES:

ROOF HOOD SCHEDULE - BASE DESIGN							
RH #	THROAT SIZE DIMENSION (IN)	THROAT AREA (FT ²)	DAMPER, BOD OR MOD	CONSTRUCTION	MANUFACTURER & MODEL NO.	COMMENTS	NOTES
3	8X24	1.33	MOD	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1-3

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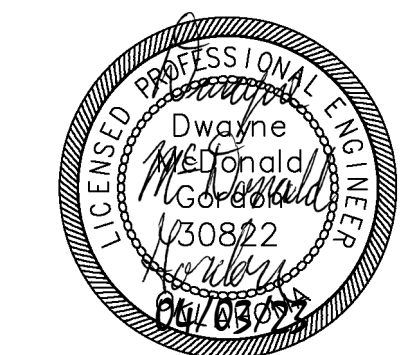
1. M.C. TO PROVIDE ROOF HOOD WITH ALUMINUM BIRDSCREEN.
2. M.C. SHALL PROVIDE ROOF CURB. CURB INSTALLATION BY G.C.
3. M.C. SHALL PROVIDE LOW VOLTAGE MOTORIZED DAMPER.

KFC ENGINEERING

STRUCTURAL

SALAS O'BRIEN

MECHANICAL / ELECTRICAL



RK

drawn by

DMG

checked by

APRIL 2023

date

revisions

MOORE PUBLIC SCHOOLS
BOARD OF EDUCATION
MOORE, OKLAHOMA



OFFICE
ADDITION -
SOUTHGATE
ELEMENTARY SCHOOL

sheet no:

M601



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Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2023
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