

## Clark County Building Department 4701 West Russell Road, Las Vegas, NV 89118 ~ (702) 455-3000

## **Kitchen Hood Test Data**

James Gerren, P.E., Director Werner Hellmer P.E., Deputy Director  $\hfill \square$  Scott Telford P.E., Deputy Director

	ΓE:						
CON	NTRACTOR NAME:						
T.A.	B. APPROVED AGENCY:						
PER	MIT#:						
JOB	ADDRESS:						
	NAME/TENANT:						
HOOD LOCATION: PLAN SHEET NO.:		TESTING EQUIPMENT TYPE:					
1 LA	IN SHEET NO	1	ESTINGEQUI WENT TIT	L			
1.	TYPE OF HOOD:	ТҮРЕ І	TYPE II				
		LIST ALL EQUIPMENT U	JNDER HOOD:				
2.	ACTUAL HOOD SIZE	):					
2.			FT. =	SQ. FT.			
2.		FT. X(Hood Length)	FT. =	SQ. FT.			
2.		_FT. X(Hood Length)	FT. = <i>(Ho</i>	SQ. FT.			
	(Hood Width)  REQUIRED QUANTIT	_FT. X(Hood Length) <b>IY OF AIR:</b>					
	(Hood Width)  REQUIRED QUANTITY  (Hood Width)	_FT. X(Hood Length)  FY OF AIR: _FT. X(Hood Length)	FT. XFT.definition (Formula)	_=CFM. (Hood Exhaust)			
	(Hood Width)  REQUIRED QUANTITY  (Hood Width)	_FT. X(Hood Length)  FY OF AIR: _FT. X(Hood Length)	FT. XFT.definition (Formula)	_=CFM. (Hood Exhaust)			
<ol> <li>4.</li> </ol>	(Hood Width)  REQUIRED QUANTITY  (Hood Width)  ACTUAL QUANTITY	FT. X(Hood Length)  FY OF AIR:FT. X(Hood Length)  OF AIR AS MEASURED:	FT. X(Formula)  (Actual Volume)	_=CFMCFM.			
3.	(Hood Width)  REQUIRED QUANTITY  (Hood Width)  ACTUAL QUANTITY	FT. X(Hood Length)  FY OF AIR:FT. X(Hood Length)  OF AIR AS MEASURED:  TER AREA:	FT. X(Formula)  (Actual Volume)	_=CFMCFM.			
<ol> <li>4.</li> </ol>	(Hood Width)  REQUIRED QUANTITY  (Hood Width)  ACTUAL QUANTITY  ACTUAL TOTAL FILE	FT. X(Hood Length)  FY OF AIR:FT. X(Hood Length)  OF AIR AS MEASURED:  TER AREA:	FT. XFT. X(Formula)  (Actual Volume)  r Area)	_=CFMCFM.			
<ol> <li>4.</li> <li>5.</li> </ol>	(Hood Width)  REQUIRED QUANTITY  (Hood Width)  ACTUAL QUANTITY  ACTUAL TOTAL FILE  FILTER AIR FLOW R	_FT. X(Hood Length)  FY OF AIR: _FT. X(Hood Length)  OF AIR AS MEASURED:  TER AREA:(Filter AREA PER SQ. FT. OF FILTER AREA	FT. XFT. X(Formula)  (Actual Volume)  r Area)  AREA:	=CFM.  (Hood Exhaust) CFM. SQ. FT.			
<ol> <li>4.</li> <li>5.</li> </ol>	(Hood Width)  REQUIRED QUANTITY  (Hood Width)  ACTUAL QUANTITY  ACTUAL TOTAL FILE  FILTER AIR FLOW R	FT. X(Hood Length)  FY OF AIR:FT. X(Hood Length)  OF AIR AS MEASURED:  TER AREA:(Filte	FT. XFT. X(Formula)  (Actual Volume)  r Area)  AREA:	=CFM.  (Hood Exhaust) CFM. SQ. FT.			
<ol> <li>4.</li> <li>5.</li> </ol>	(Hood Width)  REQUIRED QUANTITY  (Hood Width)  ACTUAL QUANTITY  ACTUAL TOTAL FILT  FILTER AIR FLOW R  (CFM from No. 4)	_FT. X(Hood Length)  FY OF AIR: _FT. X(Hood Length)  OF AIR AS MEASURED:  TER AREA:(Filter AREA PER SQ. FT. OF FILTER AREA	FT. X(Formula)  (Actual Volume)  r Area)  AREA:SQ. FT. =(Eac	=CFM.  (Hood Exhaust) CFM. SQ. FT.			

		FT. X		FT. =		SO. FT.
	(Front Width)		(Side Width)		Duct Size) (rectangular a	luct)
			OR			
	0.79 x(Duct Diameter)	FT. =		SQ. FT.		
	(Duct Diameter)		(Duct Size) (round duc	t)		
9.	ACTUAL GREASE DU	CTAIR V	ELOCITY:			
		CFM -		SQ. FT. =	:	FPM
	(CFM from No. 4)		(Duct Size from No. 8	3)	(Duct Velocity)	
10.	REQUIRED DUCT SYS	STEM AII	R VELOCITY FOR SH	OP MADE H	OODS:	
	1500 FPM (minimun	n)				
	2500 FPM (maximun	,	OR			
			OK			
	MANUFACTURERS	S STATED	VELOCITY FOR LIST	ED HOODS:		
		FPM (r	minimum)			
		FPM (r	naximum)			
11.	MAKEUP AIR SOURC	E AND SI	ZE:			
11.	MAKEUP AIR SOURC	EE AND SI	ZE:		ce in Total CFM)	
11.				(Size of Source	ee in Total CFM)	
11.				(Size of Source)		
11.			P AIR SYSTEMS SHAI	(Size of Source)	ee in Total CFM)	
11.	THE EXHAUST AND	MAKEUP	P AIR SYSTEMS SHAI	(Size of Source CL BE CONN TITCH.	ce in Total CFM)  ECTED BY AN ELECT	
11.		MAKEUP	P AIR SYSTEMS SHAI	(Size of Source CL BE CONN TITCH.	ee in Total CFM)	
11.	THE EXHAUST AND PERSON PERFORMING	<b>MAKEUP</b> G TEST	P AIR SYSTEMS SHAI	(Size of Source CL BE CONN TITCH.	ce in Total CFM)  ECTED BY AN ELECT	
11.	THE EXHAUST AND	<b>MAKEUP</b> G TEST	P AIR SYSTEMS SHAI	(Size of Source CL BE CONN TITCH.	ce in Total CFM)  ECTED BY AN ELECT	
11.	PERSON PERFORMING	MAKEUP G TEST	P AIR SYSTEMS SHAI INTERLOCK SW	(Size of Source LL BE CONN /ITCH.	ce in Total CFM)  ECTED BY AN ELECT	RICAL
	PERSON PERFORMING	MAKEUP  G TEST  OR SIZING	P AIR SYSTEMS SHAI INTERLOCK SW ————————————————————————————————————	(Size of Source LL BE CONN /ITCH. D D D D D D D D D D D D D D D D D D D	ee in Total CFM)  ECTED BY AN ELECT  OATE OF TEST  NING AIR VELOCITY	RICAL
US	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FOR THE FOLLOWING FOR MINIMUM SIZE ALLOWING FOR MINIMUM SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	G TEST  OR SIZING  OWABLE	G GREASE DUCT AND DUCT OR THE MAXI	(Size of Source LL BE CONN /ITCH.  D  D  D  D  D  D  D  D  D  D  D  D  D	ee in Total CFM)  ECTED BY AN ELECT  ATE OF TEST  NING AIR VELOCITY  E DUCT CAN BE REAII LLOWABLE DUCT MA	CRICAL  OLY FOUND.  AY ALSO BE
US TH DE	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FORMU	G TEST  OR SIZING  OWABLE	G GREASE DUCT AND DUCT OR THE MAXI	(Size of Source LL BE CONN /ITCH.  D  D  D  D  D  D  D  D  D  D  D  D  D	ee in Total CFM)  ECTED BY AN ELECT  ATE OF TEST  NING AIR VELOCITY  E DUCT CAN BE REAII LLOWABLE DUCT MA	CRICAL  OLY FOUND.  AY ALSO BE
US TH DE	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FO  ING THE FOLLOWING F E MINIMUM SIZE ALLO  TERMINED. BY USE OF	MAKEUP  G TEST  OR SIZING  ORMULA  OWABLE  MAXIMU	G GREASE DUCT AND DUCT OR THE MAXIDUM VELOCITIES, SHA	(Size of Source LL BE CONN /ITCH.  D  D  D  D  D  D  D  D  D  D  D  D  D	ee in Total CFM)  ECTED BY AN ELECT  ATE OF TEST  NING AIR VELOCITY  E DUCT CAN BE REAII LLOWABLE DUCT MA	CRICAL  OLY FOUND.  AY ALSO BE
US TH DE	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FO  ING THE FOLLOWING F E MINIMUM SIZE ALLO  TERMINED. BY USE OF	MAKEUP G TEST OR SIZING OWABLE MAXIMU	G GREASE DUCT AND DUCT OR THE MAXILUM VELOCITIES, SHA	(Size of Source LL BE CONN /ITCH.  D  D  D  D  D  D  D  D  D  D  D  D  D	ECTED BY AN ELECT  NING AIR VELOCITY E DUCT CAN BE REAII LLOWABLE DUCT MACT SIZES MAY BE REE	CRICAL  OLY FOUND.  AY ALSO BE
US TH DE	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FO  ING THE FOLLOWING F E MINIMUM SIZE ALLO  TERMINED. BY USE OF	MAKEUP  G TEST  OR SIZING  OWABLE  F MAXIMU  1 1	G GREASE DUCT AND DUCT OR THE MAXIDUM VELOCITIES, SHA	(Size of Source LL BE CONN /ITCH.  D  D  D  D  D  D  D  D  D  D  D  D  D	ee in Total CFM)  ECTED BY AN ELECT  ATE OF TEST  NING AIR VELOCITY  E DUCT CAN BE REAII LLOWABLE DUCT MA	CRICAL  OLY FOUND.  AY ALSO BE
US TH DE	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FO  ING THE FOLLOWING F E MINIMUM SIZE ALLO  TERMINED. BY USE OF	MAKEUP G TEST OR SIZING OWABLE MAXIMU 1 1 1	G GREASE DUCT AND DUCT OR THE MAXIDUM VELOCITIES, SHA	CSIZE OF SOURCE  LL BE CONNE  /ITCH.  D  D  D  D  D  D  D  D  D  D  D  D  D	ECTED BY AN ELECT  OATE OF TEST  E DUCT CAN BE REALL LLOWABLE DUCT MACT SIZES MAY BE REE  I (max) I (min)	CRICAL  OLY FOUND.  AY ALSO BE
US TH DE	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FO  ING THE FOLLOWING F E MINIMUM SIZE ALLO  TERMINED. BY USE OF	MAKEUP G TEST  OR SIZING OWABLE F MAXIMU  1 1 1	G GREASE DUCT AND AS, THE VELOCITY IN DUCT OR THE MAXIDUM VELOCITIES, SHAWAYAYAYAYAYAYAYAYAYAYAYAYAYAYAYAYAYAYA	O DETERMINATION OF THE PROPERTY OF THE PROPERT	ECTED BY AN ELECT  OATE OF TEST  OATE OF TEST  E DUCT CAN BE REALL LLOWABLE DUCT MACT SIZES MAY BE REELED MAY BE R	CRICAL  OLY FOUNDAY ALSO BE
US TH DE	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FO  ING THE FOLLOWING F E MINIMUM SIZE ALLO  TERMINED. BY USE OF	MAKEUP  G TEST  OR SIZING  ORMULA  OWABLE  MAXIMU  1 1 1	G GREASE DUCT AND AS, THE VELOCITY IN DUCT OR THE MAXIDUM VELOCITIES, SHA  44 x Ah x f divided by A 44 x Ah x f divided by V 44 x Ah x f divided by V Ah = hood area, Ad = duct area, F = exhaust far	OSIZE OF SOURCE  LL BE CONN  /ITCH.  D  D  D  D  D  D  D  D  D  D  D  D  D	ECTED BY AN ELECT  ATE OF TEST  NING AIR VELOCITY E DUCT CAN BE REAII LLOWABLE DUCT MA ECT SIZES MAY BE REE  I (max) I (min)  Es I equipment	CRICAL  OLY FOUNDAY ALSO BE
US TH DE	THE EXHAUST AND  PERSON PERFORMING  TITLE & AFFILIATION  FORMULA FO  ING THE FOLLOWING F E MINIMUM SIZE ALLO  TERMINED. BY USE OF	MAKEUP  G TEST  OR SIZING  ORMULA  OWABLE  MAXIMU  1 1 1	G GREASE DUCT AND AS, THE VELOCITY IN DUCT OR THE MAXIDUM VELOCITIES, SHA  44 x Ah x f divided by A 44 x Ah x f divided by V 44 x Ah x f divided by V Ah = hood area, Ad = duct area, F = exhaust far	O DETERMINATION OF THE PROPERTY OF THE PROPERT	ECTED BY AN ELECT  NING AIR VELOCITY E DUCT CAN BE REALL LLOWABLE DUCT MACT SIZES MAY BE REE  I (max) I (min)  es f equipment r minute	CRICAL  OLY FOUNDAY ALSO BE