

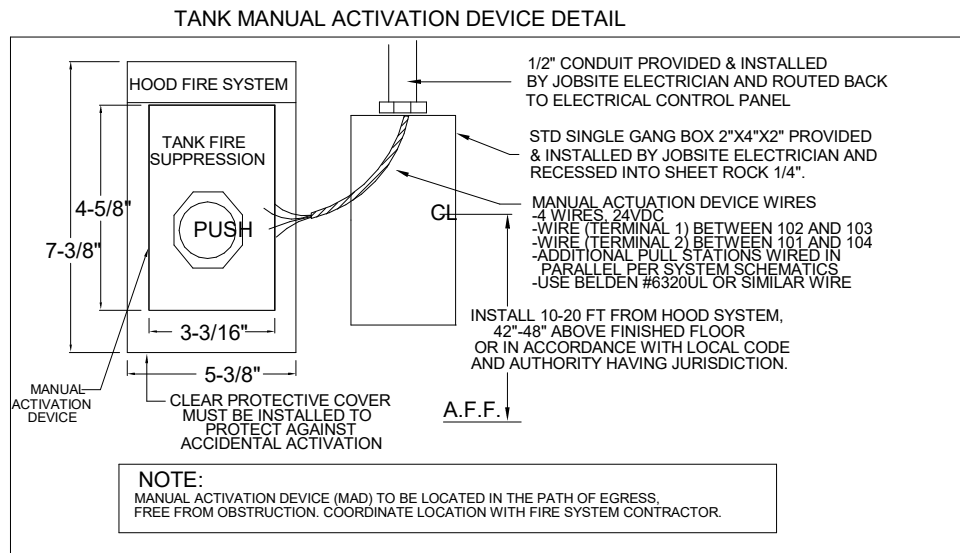
HOOD INFORMATION																				
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL			SP	END TO END	ROW
1	KH-1L	5424 EX-2-PSP-F	ECON-AIR	8' 3"	600 DEG	I	HEAVY	225	1856			4"	14"	1856	1736	-0.988"	1485	430 SS WHERE EXPOSED	LEFT	ALONE
2	KH-1R	5424 EX-2-PSP-F	ECON-AIR	8' 3"	600 DEG	I	HEAVY	225	1856			4"	14"	1856	1736	-0.988"	1485	430 SS WHERE EXPOSED	RIGHT	ALONE

HOOD INFORMATION												FILTER(S)				LIGHT(S)				UTILITY CABINET(S)						FIRE SYSTEM HANGING PIPING	HOOD WEIGHT
HOOD NO	TAG	TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES												
												TYPE	SIZE			MODEL #	QUANTITY										
1	KH-1L	CAPTRATE SOLO FILTER	6	16"	16"	85% SEE FILTER SPEC	5	RECESSED ROUND	NO								YES	577 LBS									
2	KH-1R		6	16"	16"	85% SEE FILTER SPEC	5	RECESSED ROUND	NO								YES	515 LBS									

HOOD OPTIONS												OPTION			
HOOD NO	TAG														
1	KH-1L	FIELD WRAPPER 18.00" HIGH FRONT, LEFT. BACKSPLASH 80.00" HIGH X 199.00" LONG 430 SS VERTICAL. STRUCTURAL FRONT PANEL. LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.													
2	KH-1R	FIELD WRAPPER 18.00" HIGH FRONT. RIGHT SIDESPLASH 80.00" HIGH X 54.00" LONG 430 SS VERTICAL. RIGHT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED. STRUCTURAL FRONT PANEL.													

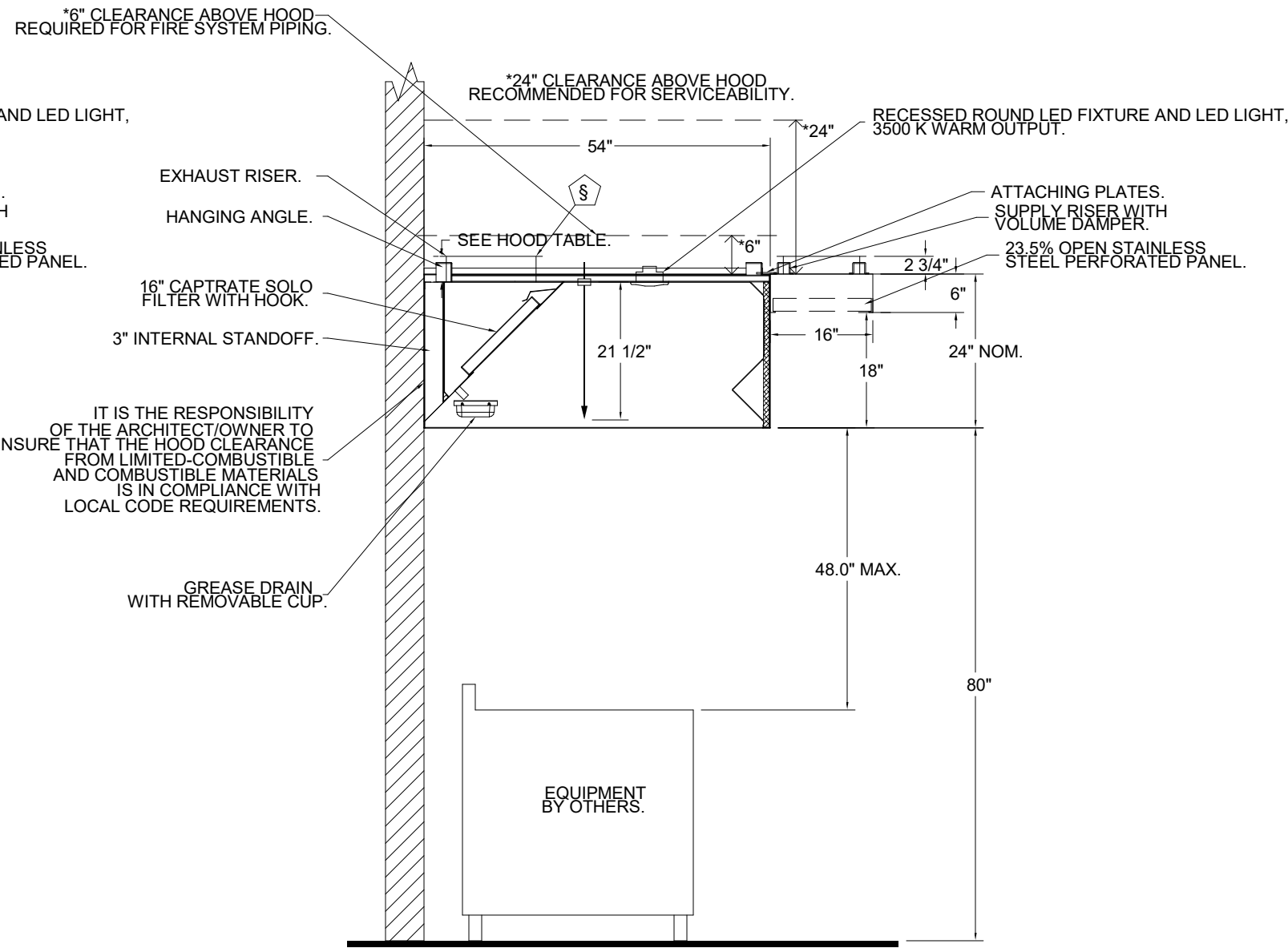
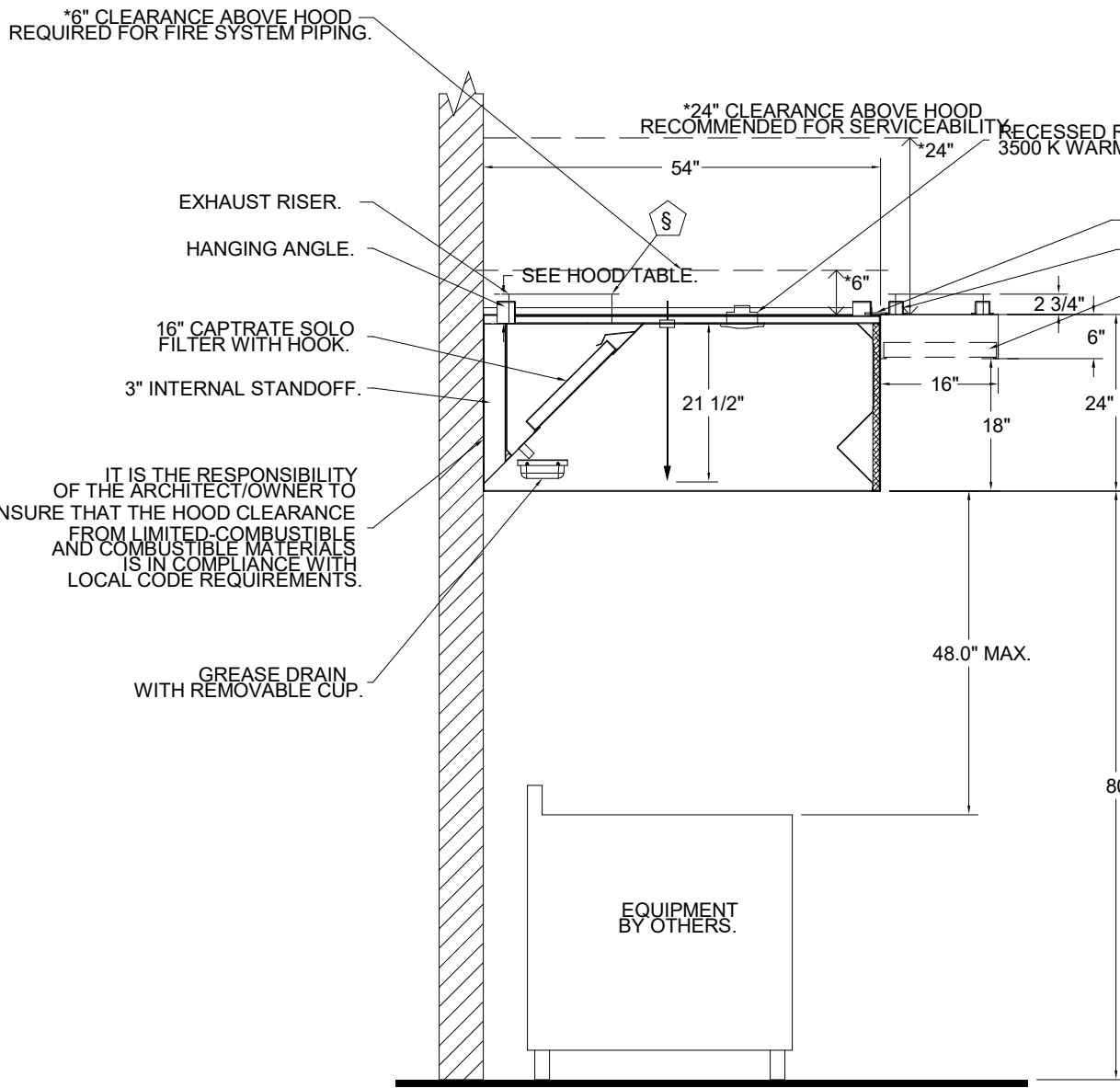
PERFORATED SUPPLY PLENUM(S)												RISER(S)			
HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENG	DIA	CFM	SP				
1	KH-1L	Front	99"	16"	6"	MUA	12"	28"		742	0.207"				
						MUA	12"	28"		742	0.207"				
2	KH-1R	Front	100"	16"	6"	MUA	12"	28"		742	0.207"				
						MUA	12"	28"		742	0.207"				

FIRE SYSTEM INFORMATION												INSTALLATION			
FIRE SYSTEM NO	TAG	TYPE		SIZE		MAX FP	DESIGN FP	SYSTEM		LOCATION ON HOOD					
1		TANK FS		4.0/4.0/4.0		60	56	WALL UTILITY CABINET LEFT		N/A					
2		PCU TANK		4.0/4.0		24	19	PCU UTILITY CABINET		N/A					



- NOTES
- FIELD PIPE DROPS AS SHOWN.
 - PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
 - FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
 - SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED.
 - SHIPPED LOOSE TO BE FIELD-INSTALLED.
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
 - OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
 - IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.
 - OLF NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS
 - JOB #: 7962175
 - JOB NAME: LSUA CAFE.
 - SYSTEM SIZE: TANK-SP-3-WC DESIGN FP: 56, MAXIMUM FP: 60
 - HOOD # 1: 8' 3.00" LONG X 54" WIDE X 24" HIGH
 - RISER # 1 SIZE: 14" DIA.
 - HOOD # 1 METAL BLOW-OFF CAPS INCLUDED
 - HOOD # 2: 8' 3.00" LONG X 54" WIDE X 24" HIGH
 - RISER # 1 SIZE: 14" DIA.
 - HOOD # 2 METAL BLOW-OFF CAPS INCLUDED
 - HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTRET IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
 - MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10



GAS VALVES AND STRAINERS											
GAS VALVE SIZING						GAS VALVE DIMENSIONS					
TYPE	SIZE	VOLTAGE	MAX. INLET PRESSURE	MAX. INLET FLOW @ 1 IN. W.C. PRESSURE	MAX. INLET FLOW @ 1 IN. W.C. PRESSURE	MAX. INLET FLOW @ 1 IN. W.C. PRESSURE	MAX. INLET FLOW @ 1 IN. W.C. PRESSURE	MAX. INLET FLOW @ 1 IN. W.C. PRESSURE	MAX. INLET FLOW @ 1 IN. W.C. PRESSURE	MAX. INLET FLOW @ 1 IN. W.C. PRESSURE	MAX. INLET FLOW @ 1 IN. W.C. PRESSURE
ELECTRICAL	2"	120 VAC	100 W.C.	100 W.C.	100 W.C.	100 W.C.	100 W.C.	100 W.C.	100 W.C.	100 W.C.	100 W.C.

INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY. IN THE LOCATION NOTED ABOVE. TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST. ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES). ONE MECHANICAL OR ELECTRICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE 2 1/2" PERMIT AND SYSTEM TEST.

EXCLUSIONS: UNION TIGHTENING & PRE-INSTALLING WAVE LABORS & WAGES WILL BE ADDED IF APPLICABLE. GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, MAKING OF FIRE CABINET SHUT TRIP, HANGING EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

ELECTRIC GAS VALVES ONLY: SOLENOID ORIENTATION

SOLENOID ORIENTATION: THE SOLENOID SHALL BE ORIENTED WITH THE SOLENOID VERTICAL AND UPRIGHT.

2 1/2" GAS VALVES: GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.

ALL GAS VALVES/STRAINERS

PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS. A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER. STRAINERS MUST BE VERIFIED TO BE 1/2" MINIMUM CLEARANCE FROM THE BASE OF THE STRAINER. STRAINERS MUST BE VERIFIED TO BE 1/2" MINIMUM CLEARANCE FROM THE BASE OF THE STRAINER.

NEW BTUHR = (BTUHR AT 1 IN. W.C. PRESSURE DROP) X NEW PRESSURE DROP 0.5

TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN. W.C. PRESSURE DROP

NEW BTUHR = (BTUHR AT 1 IN. W.C. PRESSURE DROP) X NEW PRESSURE DROP 0.5

TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY

NEW BTUHR = (BTUHR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY) 0.5

