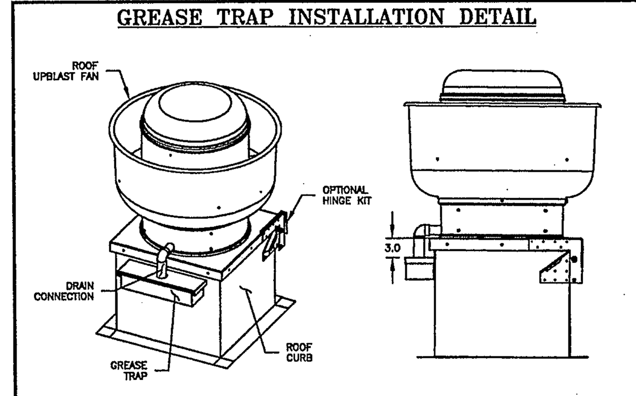
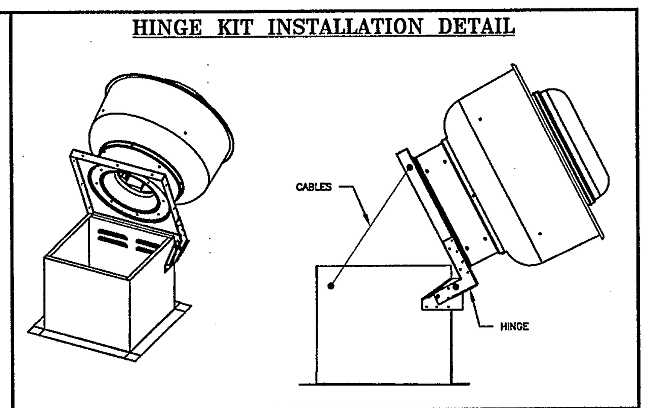


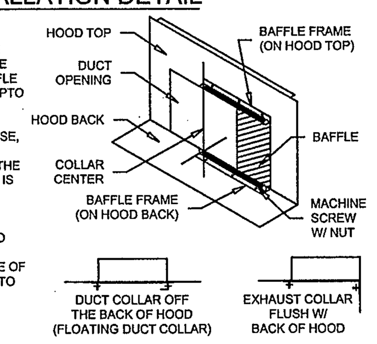


EXHAUST AIR BALANCING BAFFLE (EABB) INSTALLATION DETAIL

NOTES:
THE EABB IS DESIGNED TO BALANCE THE AIR VOLUME BETWEEN MULTIPLE HOODS ON THE SAME FAN. THE BAFFLE HAS THE CAPACITY TO CLOSE OFF UPTO 50% OF THE EXHAUST COLLAR.

IF DUCT COLLARS ARE SHIPPED LOOSE, THE EABB WILL BE SIZED TO THE EXHAUST COLLAR(S) SPECIFIED ON THE HOOD EQUIPMENT SCHEDULE, EABB IS TO BE INSTALLED AFTER THE DUCT COLLAR IS WELDED TO THE HOOD.

ASSEMBLE BOTH BAFFLE FRAMES TO THE BAFFLE IN THE OPEN POSITION. LINE UP EDGE OF BAFFLE WITH EDGE OF OPENING, PLUG WELD THE FRAMES TO THE HOOD TOP OR BACK.



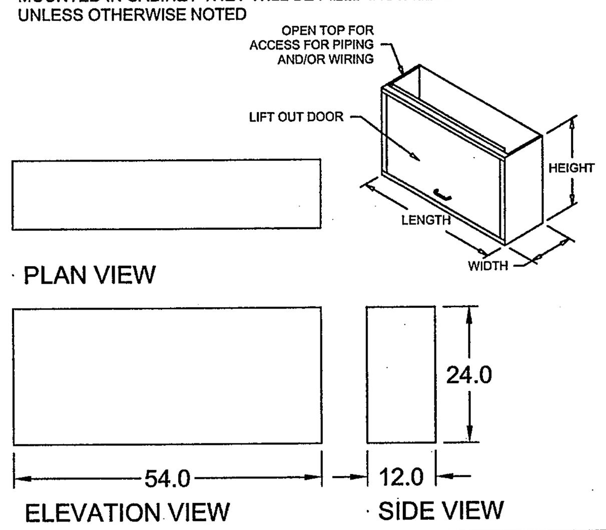
REMOTE MOUNTED UTILITY CABINET DETAIL

NOTES:
UTILITY CABINET SHIPPED LOOSE FOR REMOTE MOUNTING

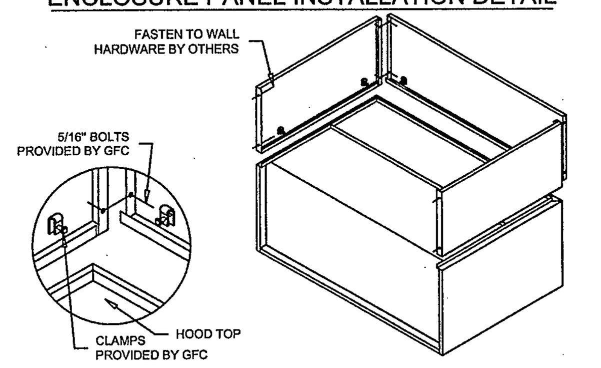
24" REQUIRED FROM CABINET DOOR TO ALLOW ACCESS TO UTILITY CABINET COMPONENTS.

UTILITY CABINET TOP IS OPEN FOR ACCESSABILITY TO POWERSOURCE / COMPONENT CONNNECTIONS FROM THE CEILING

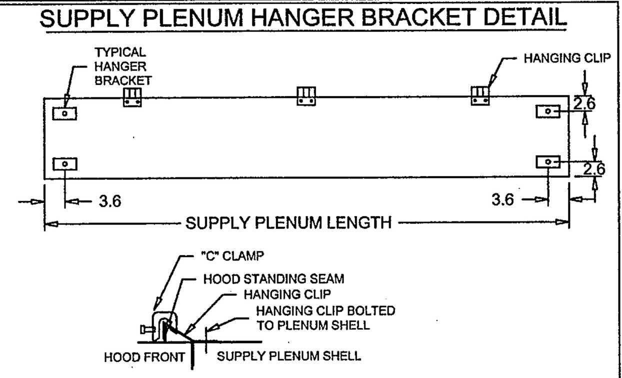
WHEN FIRE SYSTEM COMPONENTS ARE TO BE MOUNTED IN CABINET THEY WILL BE FIELD INSTALLED UNLESS OTHERWISE NOTED



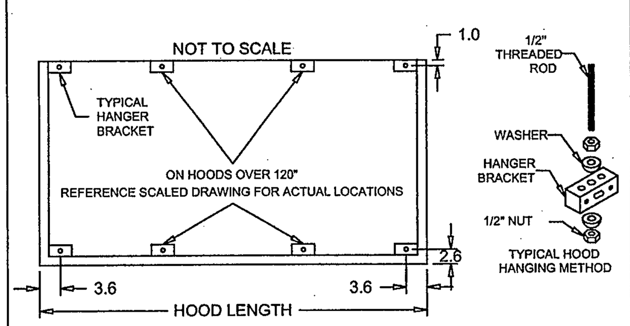
ENCLOSURE PANEL INSTALLATION DETAIL

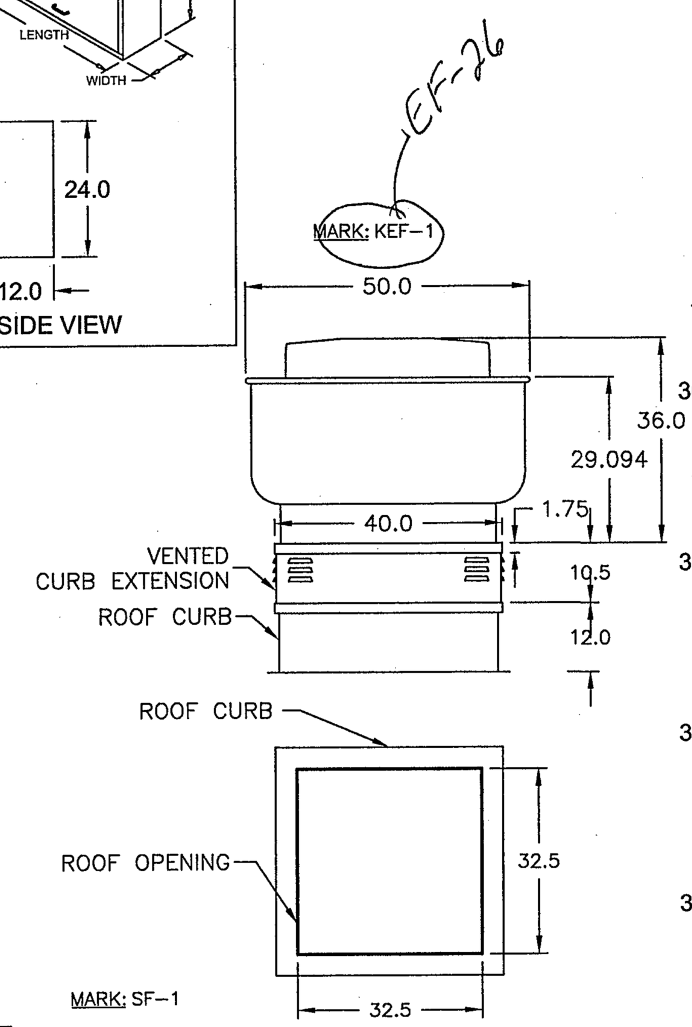


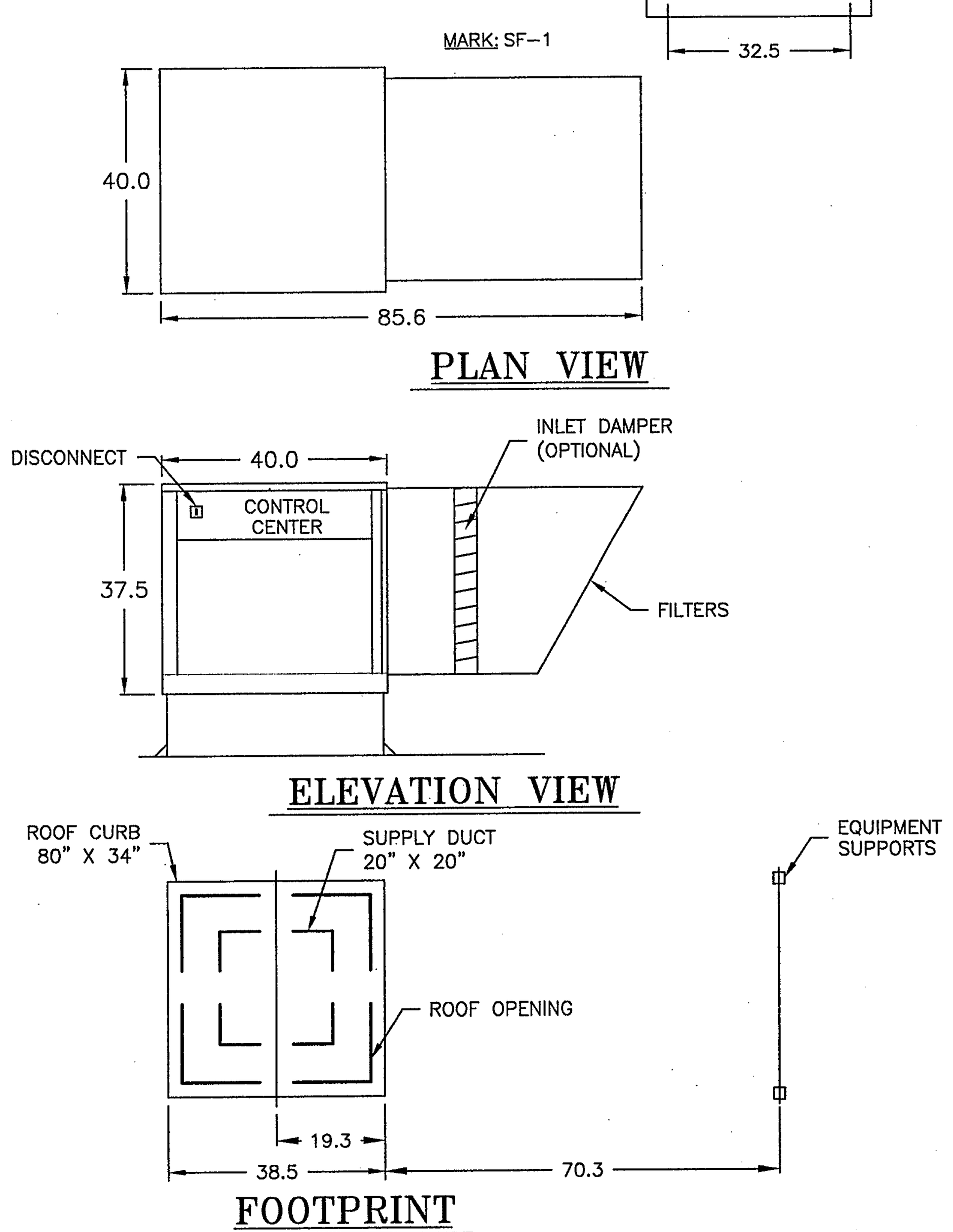
SUPPLY PLENUM HANGER BRACKET DETAIL

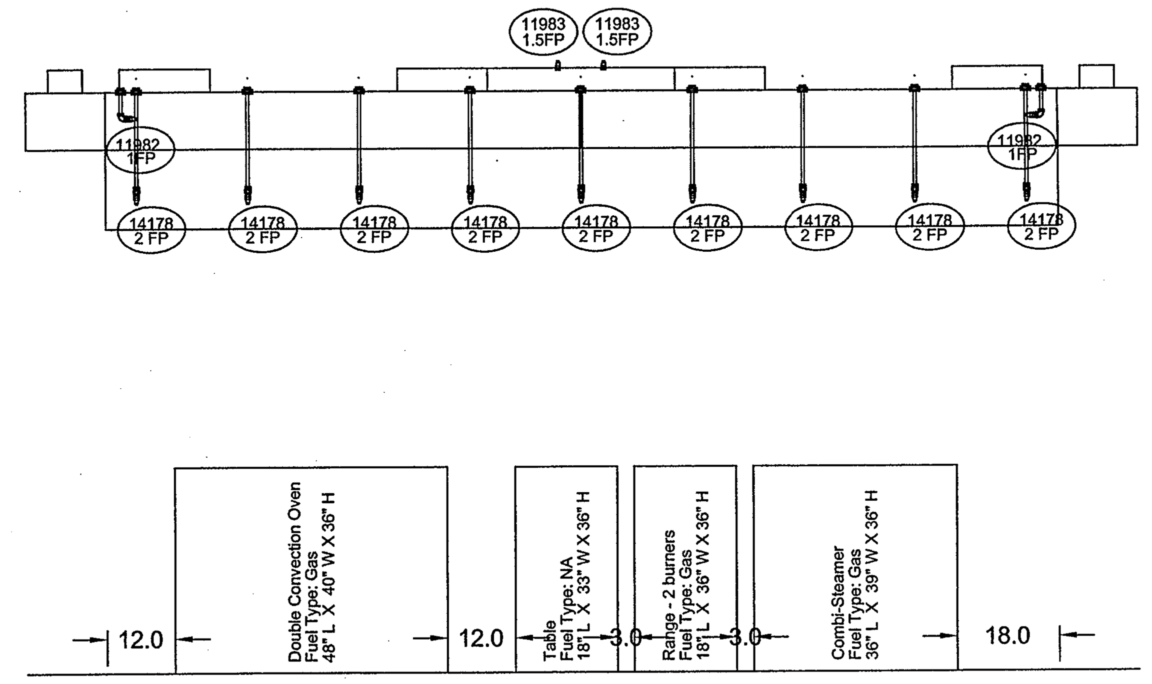


HOOD HANGER BRACKET DETAIL



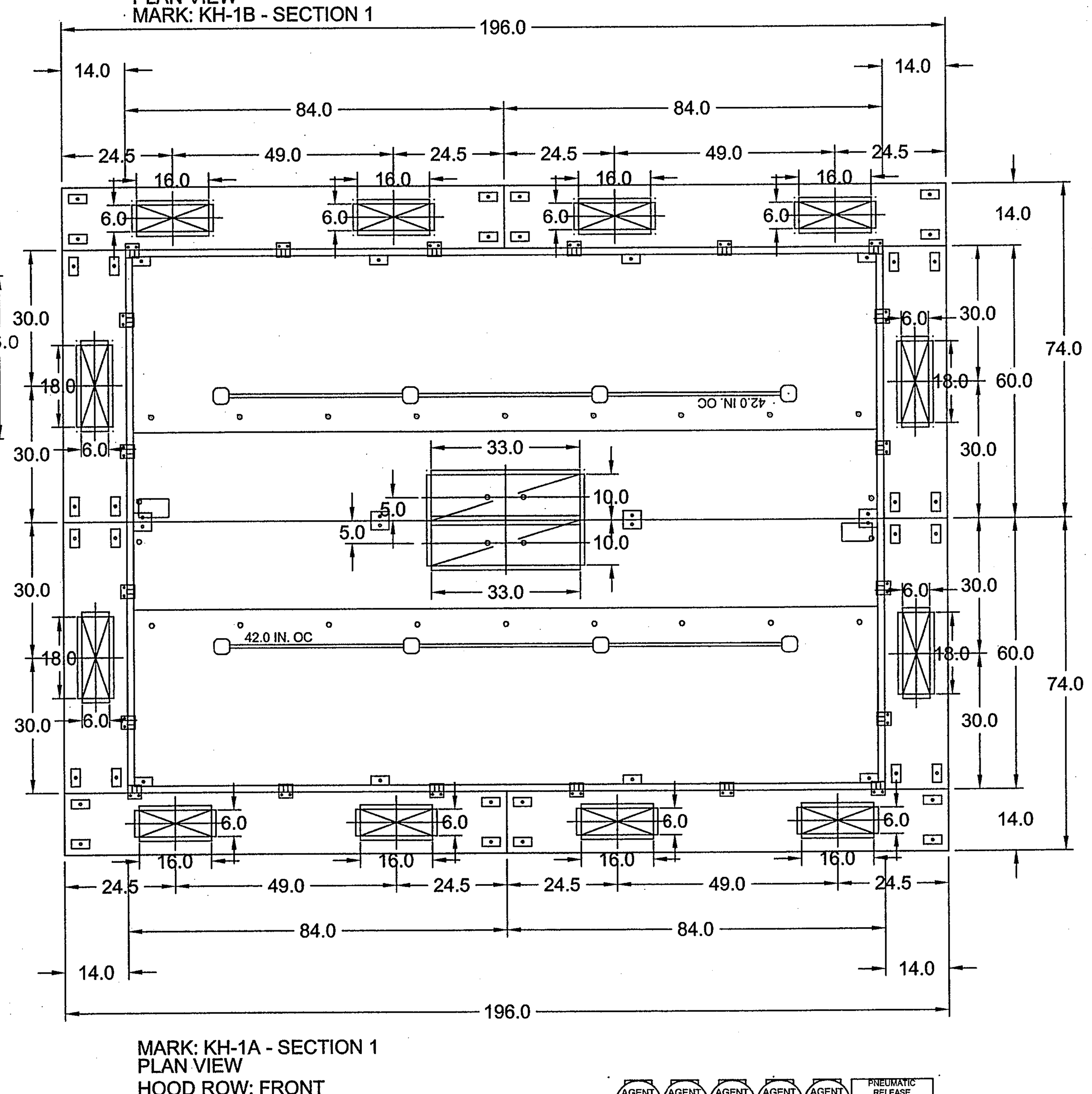




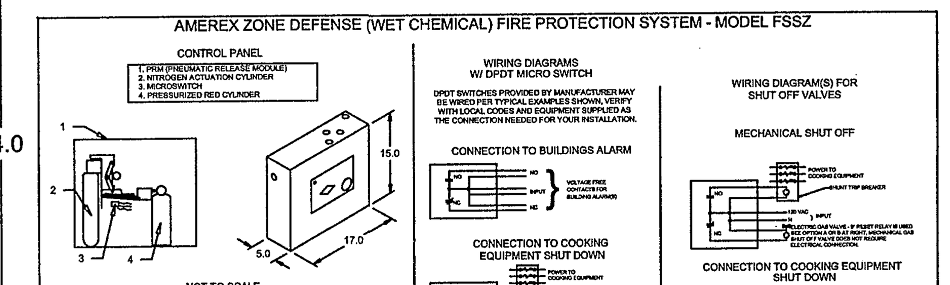


MARK: KH-1B - SECTION 1
ELEVATION VIEW

HOOD ROW: BACK
PLAN VIEW
MARK: KH-1B - SECTION 1



AMEREX ZONE DEFENSE (WET CHEMICAL) FIRE PROTECTION SYSTEM - MODEL FSSZ



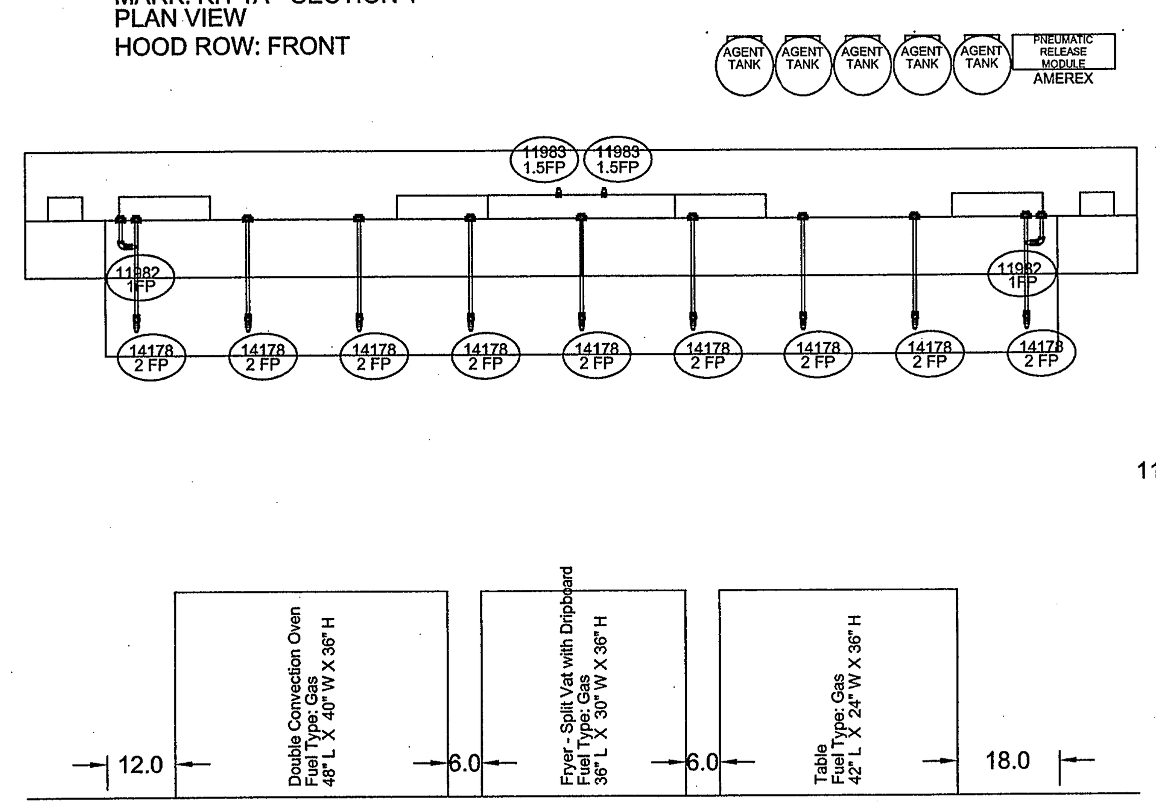
NOTES:

Wet chemical fire protection system to be Amerex Zone Defense, designed in compliance with UL 300 requirements.
-Verification of all cooking equipment make, model and location required for all fire protection systems.
-All fire system piping is standardly to the right end of the hood unless a wall is located on the right end.
-Amerex MRM/PRM to be located within 60" of hood.

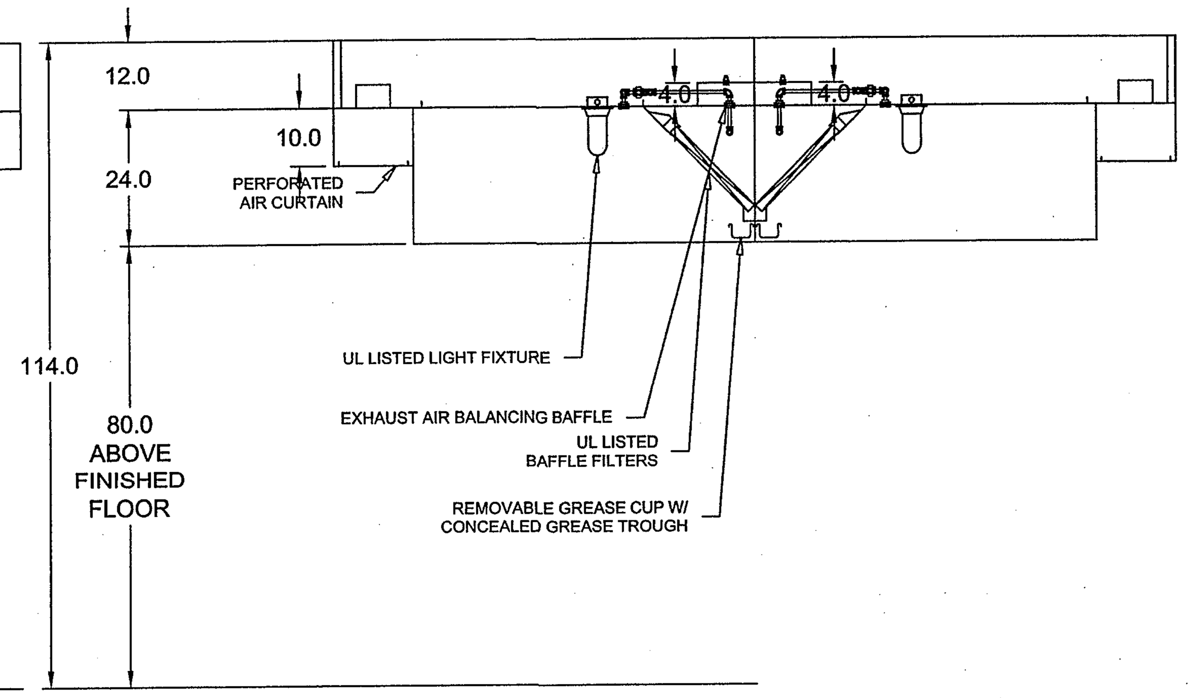
The basic fire system will include the following:
-Gas shut-off valve, if required, to be supplied by Manufacturer (up to 2" diameter as standard), and installed by a licensed plumber.
-Micro switch to be supplied by Manufacturer for connection to, but not limited to, building alarm system(s), exhaust and supply fans and electrical power shut down. Field wiring and connections to be performed by a licensed electrician.
-The first 6 months service.
-Four trips to the jobsite
-Any state or local installation permits.

The basic fire system does NOT include the following:
-Full dump test to satisfy a state or local permit.
-More then four trips to the jobsite or special transportation or overnight lodging requirements in remote areas.
-Installation of gas shut-off valve.
-Special drawings required to satisfy state or local code.
-Union labor, Government labor, or Prevailing wages required for final field hook-up.
-Any and all electrical components/connections required to shut down fans, shut off device for electric cooking equipment (shunt trip breaker), or activate an alarm system, etc.
-Any dismantling or reassembly required to gain access to the fire suppression piping located on the top of the hood.
-Plan examination fees, PE or FPS approval stamp.
-Rough-in conduit for remote pull station or gas valve (For flush mounted pull station).
-Additional remote pull stations.
-Parts or labor required to correct piping due to cooking equipment changes or deviation from plans.
-Any charges for missing or additional parts other then those indicated on the Fire Suppression Detail.

NOTES:
1. DENOTES FIELD INSTALLATION.
2. DENOTES FACTORY INSTALLATION.



MARK: KH-1A - SECTION 1
ELEVATION VIEW



MARK: KH-1A/B
SECTION VIEW

EQUIPMENT SCHEDULE

TYPE 1 KITCHEN HOOD — MARK: KH-1A

HOOD NO.	GREENHECK MODEL STYLE / CONFIGURATION	HOOD DIMENSIONS: SECTION LENGTH	WIDTH	HEIGHT	GREASE CUP OR DRAIN	HOOD TEMP. RATING	TOTAL WEIGHT	SECTION LOCATION
1	GHEW-14-S SINGLE WALL EXHAUST CANOPY	168.0 IN.	60 IN.	24 IN.	RIGHT	600 DEG F	560.0 LBS.	SINGLE

HOOD NO.	ILLUMINATION DETAILS: FIXTURE TYPE BULB / LAMP INFO	QTY	INTENSITY FT CANDLES	GREASE FILTRATION DETAILS: TYPE / MODEL MATERIAL	QTY	LENGTH	HEIGHT
1	INCANDESCENT (GLOBE) 100W A19 (BULB NOT INCL)	4	25.90 / 42.000 IN. OC	GH - BAFFLE ALUMINUM	8 2	16 IN. 20 IN.	20 IN.

HOOD SECTION # COLLAR #	EXHAUST PLENUM COLLARS: DISTANCE TO END (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / 1	84	10	33	NA	3500	0.439	1527
TOTAL EXHAUST CFM - SECTION 1					3500.0	250.0 CFM / FT	

HOOD SECTION # PLENUM LOCATION COLLAR #	EXTERNAL SUPPLY PLENUM COLLARS: DISTANCE TO END (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / LEFT / 1	30	6.00	18.00	NA	550	0.0545	733
TOTAL SUPPLY CFM - SECTION 1 - LEFT AIR CURTAIN SUPPLY (ASP) PLENUM					550	110 CFM / FT	
1 / RIGHT / 1	30	6.00	18.00	NA	550	0.0545	733
TOTAL SUPPLY CFM - SECTION 1 - RIGHT AIR CURTAIN SUPPLY (ASP) PLENUM					550	110 CFM / FT	
1 / FRONT / 1	24.5	6.00	16.00	NA	425	0.0487	638
1 / FRONT / 2	73.5	6.00	16.00	NA	425	0.0487	638
TOTAL SUPPLY CFM - SECTION 1 - FRONT AIR CURTAIN SUPPLY (ASP) PLENUM					850	104 CFM / FT	
1 / FRONT / 1	24.5	6.00	16.00	NA	425	0.0487	638
1 / FRONT / 2	73.5	6.00	16.00	NA	425	0.0487	638
TOTAL SUPPLY CFM - SECTION 1 - FRONT AIR CURTAIN SUPPLY (ASP) PLENUM					850	104 CFM / FT	

OPTIONS AND ACCESSORIES
430 STAINLESS STEEL WHERE EXPOSED
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #MH11726
12 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT
FACTORY MOUNTED EXHAUST COLLAR(S)
EXHAUST AIR BALANCING BAFFLE(S) - (EABB)
FACTORY MOUNTED SUPPLY COLLAR(S)
WALL UTILITY CABINET - 24 IN HIGH 60 IN LONG 12 IN WIDE
HOOD ROW IS FRONT SIDE OF DOUBLE ISLAND CONFIGURATION
INCLUDES PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

EQUIPMENT SCHEDULE

TYPE 1 KITCHEN HOOD — MARK: KH-1B

HOOD NO.	GREENHECK MODEL STYLE / CONFIGURATION	HOOD DIMENSIONS: SECTION LENGTH	WIDTH	HEIGHT	GREASE CUP OR DRAIN	HOOD TEMP. RATING	TOTAL WEIGHT	SECTION LOCATION
1	GHEW-14-S SINGLE WALL EXHAUST CANOPY	168.0 IN.	60 IN.	24 IN.	RIGHT	600 DEG F	560.0 LBS.	SINGLE

HOOD NO.	ILLUMINATION DETAILS: FIXTURE TYPE BULB / LAMP INFO	QTY	INTENSITY FT CANDLES	GREASE FILTRATION DETAILS: TYPE / MODEL MATERIAL	QTY	LENGTH	HEIGHT
1	INCANDESCENT (GLOBE) 100W A19 (BULB NOT INCL)	4	25.90 / 42.000 IN. OC	GH - BAFFLE ALUMINUM	8 2	16 IN. 20 IN.	20 IN.

HOOD SECTION # COLLAR #	EXHAUST PLENUM COLLARS: DISTANCE TO END (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / 1	84	10	33	NA	3500	0.439	1527
TOTAL EXHAUST CFM - SECTION 1					3500.0	250.0 CFM / FT	

HOOD SECTION # PLENUM LOCATION COLLAR #	EXTERNAL SUPPLY PLENUM COLLARS: DISTANCE TO END (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / LEFT / 1	30	6.00	18.00	NA	550	0.0545	733
TOTAL SUPPLY CFM - SECTION 1 - LEFT AIR CURTAIN SUPPLY (ASP) PLENUM					550	110 CFM / FT	
1 / RIGHT / 1	30	6.00	18.00	NA	550	0.0545	733
TOTAL SUPPLY CFM - SECTION 1 - RIGHT AIR CURTAIN SUPPLY (ASP) PLENUM					550	110 CFM / FT	
1 / FRONT / 1	24.5	6.00	16.00	NA	425	0.0487	638
1 / FRONT / 2	73.5	6.00	16.00	NA	425	0.0487	638
TOTAL SUPPLY CFM - SECTION 1 - FRONT AIR CURTAIN SUPPLY (ASP) PLENUM					850	104 CFM / FT	
1 / FRONT / 1	24.5	6.00	16.00	NA	425	0.0487	638
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OPTIONS AND ACCESSORIES
430 STAINLESS STEEL WHERE EXPOSED
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #MH11726
FACTORY MOUNTED EXHAUST COLLAR(S)
EXHAUST AIR BALANCING BAFFLE(S) - (EABB)
FACTORY MOUNTED SUPPLY COLLAR(S)
WALL UTILITY CABINET - 24 IN HIGH 60 IN LONG 12 IN WIDE
HOOD ROW IS BACK SIDE OF DOUBLE ISLAND CONFIGURATION
INCLUDES PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

FIRE SUPPRESSION SYSTEM — MARK: FSKH-1A&B

MANUFACTURER / MODEL SUPPRESSANT TYPE	FLOW POINTS	SUPPLY LINE	DETECTION	MOUNTING
AMEREX ZONE DEFENSE WET CHEMICAL	46 UTILIZED 55 AVAILABLE	SPLIT	PNEUMATIC TUBING	RIGHT END WALL MOUNT

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
OVERLAPPING PROTECTION TYPE - FULL HOOD
SUPPRESSION AGENT - INCLUDED - 18.75 GAL. - [(5) 3.75 TANK(S)]
GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 1.50" (AMEREX) - PART# 12793
FIRE SYSTEM PERMIT - REQUIRED - FEE INCLUDED

PROTECTED HOODS (UL-300) (MARK NAME / SECTION#)
KH-1A SECTION 1 - (LENGTH 168.0 IN.)
KH-1B SECTION 1 - (LENGTH 168.0 IN.)

1 KITCHEN HOOD DETAILS
NO SCALE

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BRET GASAWAY, ARCHITECT, AIA, NCARB
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MADISONVILLE, LOUISIANA
STPSB PROJECT #0825

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STATE OF LOUISIANA
HENRY C. EYRE, JR.
REG. NO. 19602
REGISTERED PROFESSIONAL ENGINEER IN MECHANICAL ENGINEERING

SHEET NO. M502

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