DRAWING INFORMATION		
DATE	DESCRIPTION	BY
08-01-19	FOR CONSTRUCTION	KM

N-C-A
CONSULTANTS/GROUP
4585 140TH AVE. NORTH, SUITE #1001
CLEARWATER, FLORIDA
PHONE: (877) 530-0078
CALL NCA MARKETING FOR PRICING
NCA JOB# 19940

B1931	
DATE	RELEASE
	FOR CONSTRUCTION
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CHECKED BY:	AK
DRAWN BY:	CY

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HOLDINGS, LLC
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SHANE HAMILTON, P.E.
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SOUTH CAROLINA PE LIC #35544

SC HWY: S-781 & SC HWY: 125
BEECH ISLAND, SC 29842

PROJECT: B1931
DATE: 07/22/2019

BURGER KING RESTAURANT
#026-20-03-003

HOOD DETAILS

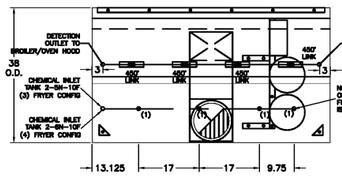
M-5

Order Plans @ WWW.LDline.com

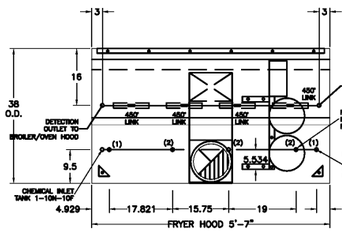
FIRE PROTECTION SYSTEM NOTES
ANSUL R-102-MS

FP-1) LOCATION OF FIRE PROTECTION NOZZLES MUST BE VERIFIED IN RELATION TO THE COOKING EQUIPMENT, PRIOR TO VENTILATOR FABRICATION.
FACTORY PIPED FOR ANSUL SYSTEM, NOT INCLUDING APPLIANCE DROPS, WITH SURFACE MOUNTED DETECTION BRACKETS, BY GAYLORD. ANSUL TANKS, HARDWARE AND OTHER INSTALLATION BY OTHERS.
FACTORY PIPED SYSTEM FOR PRE-PIPED CHEMICAL LINES INCLUDING DUCT AND PLENUM WITH NOZZLES INSTALLED. MAIN MANIFOLD INSTALLED ON TOP OF VENTILATOR WITH APPLIANCE DROPS TERMINATING AT ROOF OF VENTILATOR WITH HOOD PENETRATION FITTING AND CHROME PLATED 3/8" COUPLER. INCLUDES FACTORY PRE-PIPED DETECTION LINES WITH SURFACE MOUNTED DETECTOR BRACKETS. INSTALLATION BY CERTIFIED FACTORY INSTALLERS.

EXCLUDES:
* PLANS AND PERMITS
* UNION LABOR AND PREVAILING WAGE
* PARTS AND INSTALLATION OF CHEMICAL AND
DETECTION LINES FROM TANK(S) TO CONNECTION
POINTS ON HOOD
* TANKS AND INSTALLATION OF TANKS AND ALL
RELATED COMPONENTS
* GAS VALVE(S) AND INSTALLATION OF GAS VALVE(S)
* PARTS FOR AND INSTALLATION OF REMOTE MANUAL
PULL STATION(S)
* ELECTRICAL DISCONNECTS
* PARTS AND LABOR FOR ANY ELECTRICAL INTERCONNECTIONS
* JOB SITE, REPOSITIONING OF TERMINATED APPLIANCE
DROPS IF COOKING EQUIPMENT IS NOT INSTALLED
FOR GAYLORD APPROVED DRAWINGS
* FIRST TEST AND CERTIFICATION
* APPLIANCE PIPE DROPS AND NOZZLES
* CHEMICAL
* DETECTOR CABLE
* FUSIBLE LINKS AND LINKAGE
* MANUAL RESET RELAY(S)
* HANDHELD FIRE EXTINGUISHER(S)
* INSPECTION AND SERVICING

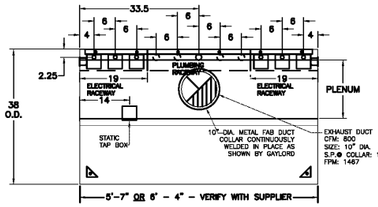


PLAN VIEW – (OPTIONAL)
ANSUL FIRE SYSTEM PIPING LOCATIONS

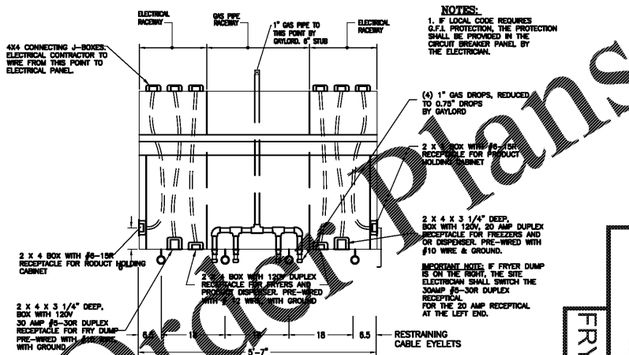


'PLAN VIEW – AMEREX FIRE SYSTEM PIPING LOCATIONS

NOTE: PROVIDE WITH 10"ø-TO-10X10 SQUARE-TO-ROUND AT DISCHARGE COLLAR

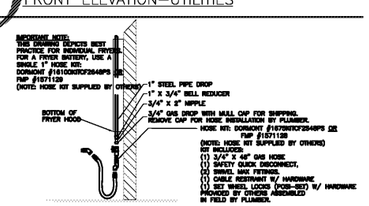


PLAN VIEW UTILITIES

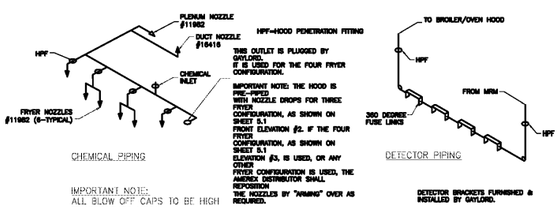


NOTES:
1. IF LOCAL CODE REQUIRES G.F.I. PROTECTION, THE PROTECTION SHALL BE PROVIDED IN THE CIRCUIT BREAKER PANEL BY THE ELECTRICIAN.

FRONT ELEVATION—UTILITIES



TYPICAL GAS APPLIANCE CONNECTION



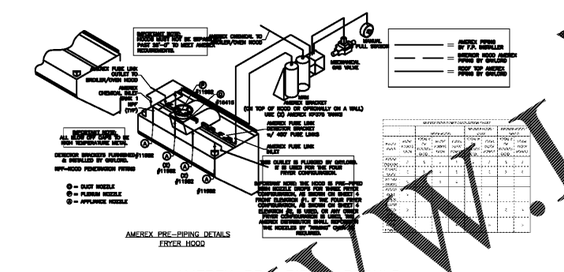
CHEMICAL PIPING

IMPORTANT NOTE:
ALL BLOW OFF CAPS TO BE HIGH TEMPERATURE METAL

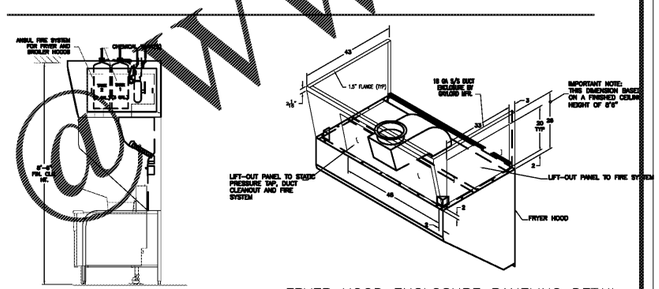
DETECTOR PIPING

DETECTOR BRACKETS FURNISHED & INSTALLED BY GAYLORD.

AMEREX PRE-PIPING DETAILS
FRYER HOOD

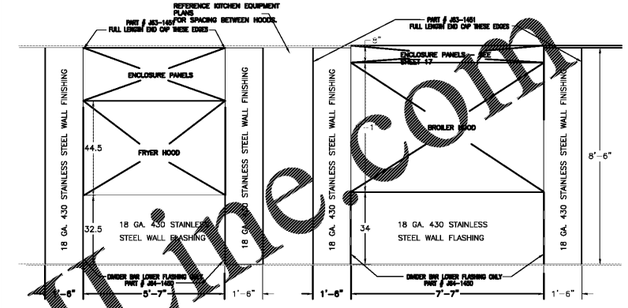


AMEREX PRE-PIPING DETAILS
FRYER HOOD

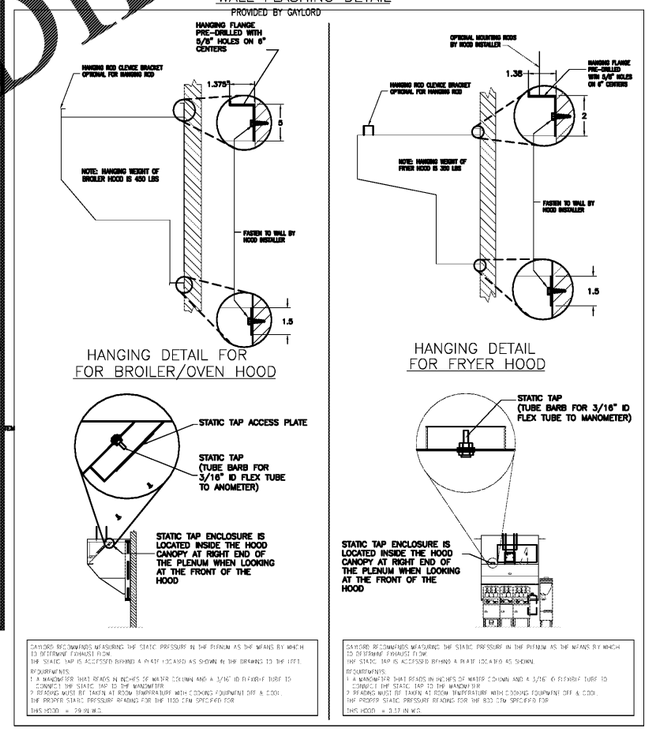


FRYER HOOD HOOD MOUNTED
OPTIONAL ANSUL FIRE SYSTEM DETAIL

FRYER HOOD ENCLOSURE PANELING DETAIL



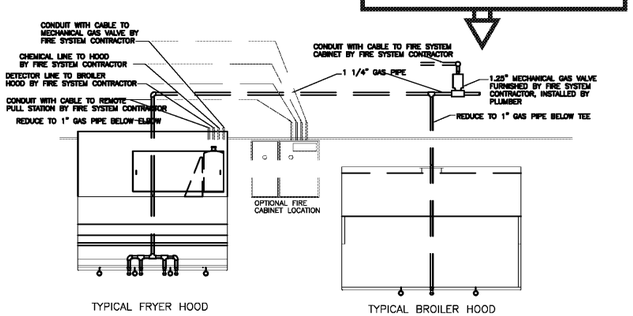
WALL FLASHING DETAIL
PROVIDED BY GAYLORD



HANGING DETAIL FOR
FOR BROILER/OVEN HOOD

HANGING DETAIL
FOR FRYER HOOD

COMMON DETAILS



TYPICAL STANDARD HOOD MOUNTED FIRE SYSTEM ARRANGEMENT
USING ONE SYSTEM TO SERVE BOTH HOODS

PROCEDURE TO CONFIRM HOOD EXHAUST VOLUME

BK ROC Hood / Ex Fan / Fire System / HVAC Control Matrix as of 10-14-09

Action	Reaction: Ex Fan	Electric Pwr to Cooking Equip.	Mech. Gas Valve	HVAC Units	Make up air unit (if applicable)	Comments
Fan sw. turned on	On	On	On	On	On	Note: HVAC Units must be on before ex fan can come on
Fan sw. turned off	Off	Off	On	On	Off	
Fire system discharges	On	Off	Off	Off	Off	
Slipping fan belt	On	Off	On	On	Off	Pwr to cooking equip. off via current sensor
Broken fan belt	On	Off	On	On	Off	Pwr to cooking equip. off via current sensor
Power outage	Off	Off	On	Off	Off	
HVAC system turned off	Off	Off	On	Off	Off	

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