

SECTION VIEW - MODEL 4218SND-2-PSP-F
HOOD - #1

CUSTOMER APPROVAL TO MANUFACTURE

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____

Date _____

JOB# 27 Congress r1	JOB # 2297378
LOCATION Monmouth, ME.	DRAWN BY BFC-21
DATE 4/13/2015	SCALE 3/8" = 1'-0"
DWG # 2	REV.



EXHAUST FAN INFORMATION - Job#2297978

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	HP.	3HP.	Ø	VOLT	FLA	WEIGHT (LBS.)	SDNES
1		NC414FA	235E	0.550	1152	0.750	0.510	1	115	11.0	143	14.3

MUA FAN INFORMATION - Job#2297978

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	CFM	ESP.	RPM	HP.	3HP.	Ø	VOLT	FLA	WEIGHT (LBS.)	SDNES
2		AI-G10	G100	A1	1247	0.500	674	0.500	0.2410	1	115	6.8	224	11.6

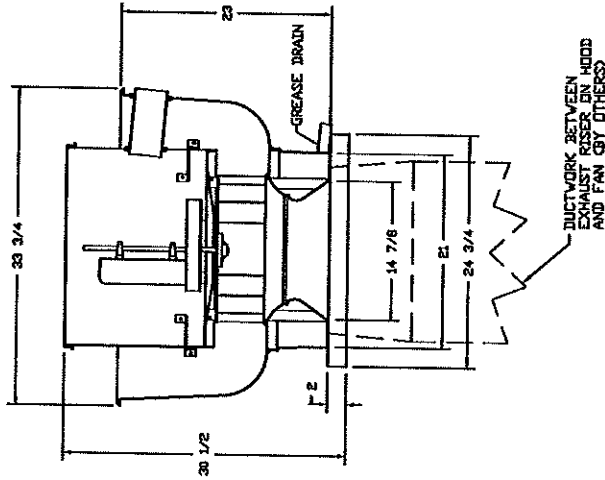
FAN OPTIONS

FAN UNIT NO.	TAG	OPTION QTY. - Descr
1		1 - Grease Box
		1 - Fan Base Ceramic Seal - For Grease Ducts
		1 - Extra Set of Belts
		1 - Hinge Kit - Ships Loose For Curb Supplied by Others
2		1 - Gravity Backdraft Damper For Size 1 Housing

FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST	SUPPLY
1		GRAVITY DAMPER	GRAVITY DAMPER
2		WALL MOUNT	MOTORIZED DAMPER
		YES	YES

FAN #1 NC414FA - EXHAUST FAN



FEATURES:

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- AHCA SOUND AND AIR CERTIFIED
- WORKING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F CLASS C
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F CLASS C UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY VIBRATION OR EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F CLASS C FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS:

- GREASE BOX
- FAN BASE CERAMIC SEAL - FOR GREASE DUCTS
- EXTRA SET OF BELTS
- HINGE KIT - SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS

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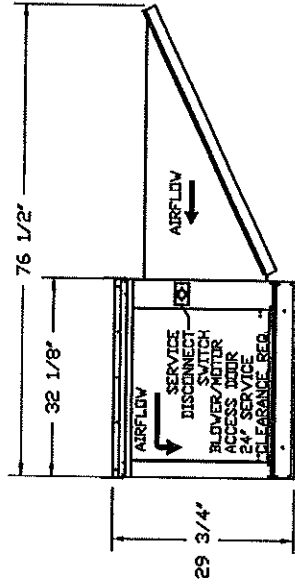
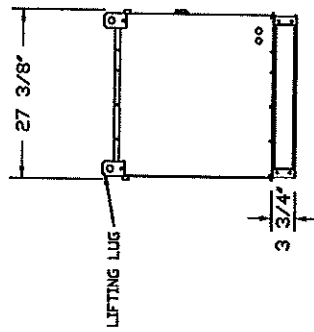
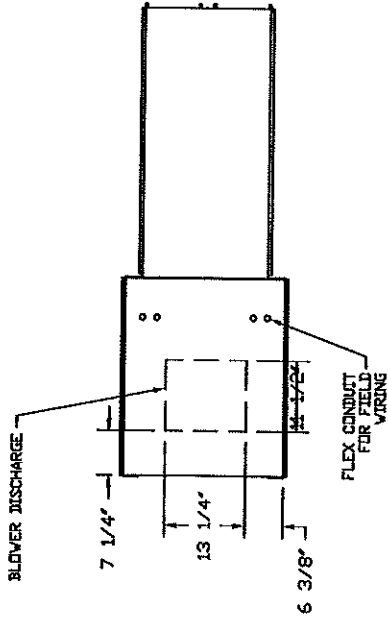
Date _____



CAPTIVEAIRE

JOB# 2297978	LOCATION Monmouth, ME.
DATE 4/13/2015	JOB # 2297378
DWG # 3	DRAWN BY BFC-EI
REV.	SCALE 3/8" = 1'-0"

- FAN #2 A1-G10 - SUPPLY FAN
 1. DIRECT DRIVE DIRECT DRIVE UNTEMPERED SUPPLY UNIT WITH 10" BLOWER IN SIZE #1 HOUSING WITH SPEED CONTROL,
 DISCONNECT SWITCH,
 2. INTAKE HOOD WITH EZ FILTERS
 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
 4. GRAVITY BACK DRAFT DAMPER, 16" WIDE X 18" HIGH, STANDARD GALVANIZED CONSTRUCTION, 1 1/4" REAR FLANGE, FOR SIZE
 1 UNTEMPERED FAN HOUSING (S181)



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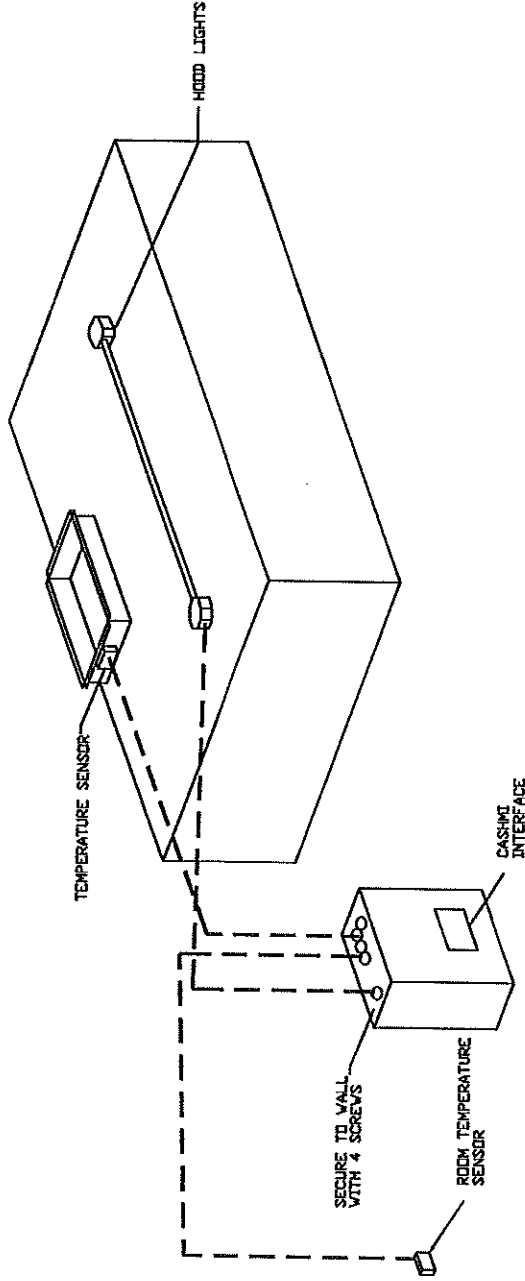


CAPTIVEAIRE

JOB# 27 Congress rd	LOCATION Monmouth, ME	JOB # 2297378
DATE 4/13/2015	DWG # 4	DRAWN BY BFC-21
	REV.	SCALE 3/8" = 1'-0"

ELECTRICAL PACKAGES -- Job#2297378

ND	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	#	HP.	VOLT	FLA
1		SC-1110FP	Wall Mount In SS Box	SS Wall Mount Box	1 Light	Smart Controls Thermostatic Control	Exhaust	1	0.750	115	11.0
					1 Fan		Supply	1	0.500	115	6.8



WALL MOUNTED CONTROL CENTER

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CAPTIVEAIRE

JOB# 2297378	CONGRESS P-1
DATE 4/13/2015	LOCATION Monmouth, ME.
DWG # 7	
REV.	
SCALE 3/8" = 1'-0"	

AirHandler Wiring

JOB 2297378 - 727 Congress rd

DRAWING NUMBER A2297378-2

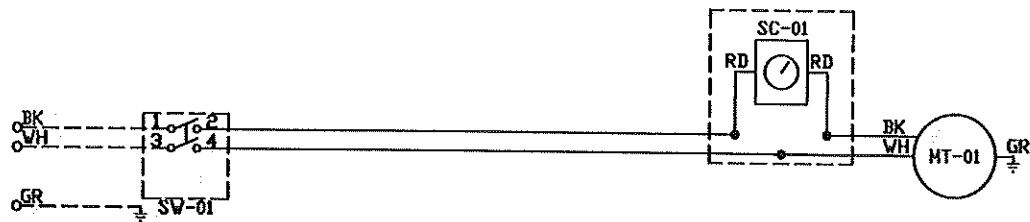
SHIP DATE 4/13/2015

MODEL A1-G10

ATTENTION ELECTRICIAN
DROP FOR DISCONNECT CONNECTION
IS FACTORY SUPPLIED
CONNECT POWER TO THE DROP

Installed Options

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23



Component Identification		
Label	Description	Location
MT-01	Supply motor	E2
SC-01	Speed Control	E1
SW-01	Main disconnect switch	E2

SUPPLY MOTOR INFO
0.5HP-115V-3P-6.8FLA

ELECTRICAL INFORMATION
MOTOR/CTRL CIRCUIT MCA: 8.5A
MOTOR/CTRL CIRCUIT MOP: 15A

NOTES
 - - - - DENOTES FIELD WIRING
 _____ DENOTES INTERNAL WIRING

WIRE COLOR
 BK - BLACK YV - YELLOW
 BL - BLUE GR - GREEN
 BR - BROWN GY - GRAY
 DR - DRANGE PR - PURPLE
 RD - RED PK - PINK
 WH - WHITE

FACTORY WIRING SCHEMATIC CIRCUIT BOARDS EOPM03 Rev. 1.34 HMI Rev. 1.06

COMPONENT LABEL	DESCRIPTION
ST-X	Switch
DU-X	Overload
C-X	Contactor
PS-1	Power Supply
RA-X	Relay
RD-X	24VDC Light Relay

COMPONENT LABEL	DESCRIPTION
NO 1	Normally Open
NC 2	Normally Closed
COM 3	Common

COMPONENT LABEL	DESCRIPTION
NO 1	Normally Open
NC 2	Normally Closed
COM 3	Common

LEGEND

FIELD WIRING

FACTORY WIRING

BK- BLACK YL- YELLOW
 BL- BLUE GR- GREY
 BR- BROWN PR- PURPLE
 OR- ORANGE RD- RED
 WH- WHITE

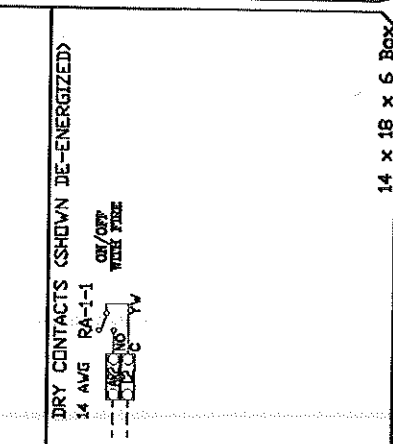
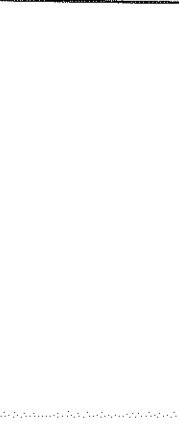
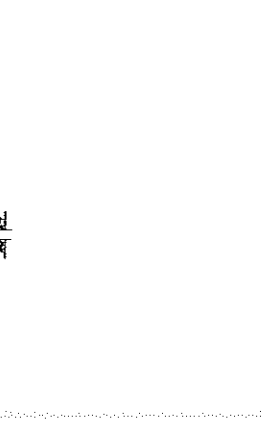
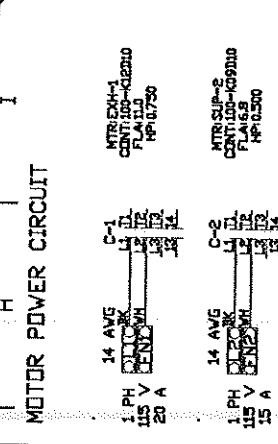
DN/BL- DN/BL STRIPE
 BU/BL- BU/BL STRIPE
 BU/GR- BU/GR STRIPE
 BU/WH- BU/WH STRIPE
 BU/BL- BU/BL STRIPE

727 COMPRESSOR

DESCRIPTION OF OPERATION

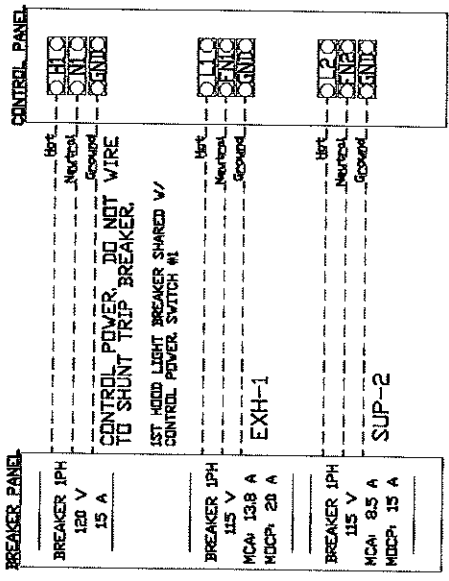
1. Press 1 / 1
 2. Press 2 / 1
 3. Press 3 / 1
 4. Press 4 / 1
 5. Press 5 / 1
 6. Press 6 / 1
 7. Press 7 / 1
 8. Press 8 / 1
 9. Press 9 / 1
 10. Press 10 / 1

DRINK BY DATE: 4/13/2015

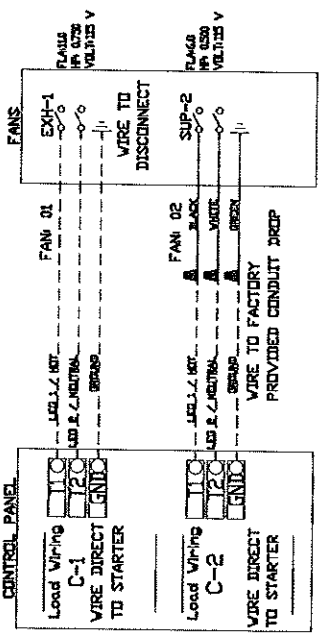


14 x 18 x 6 Box

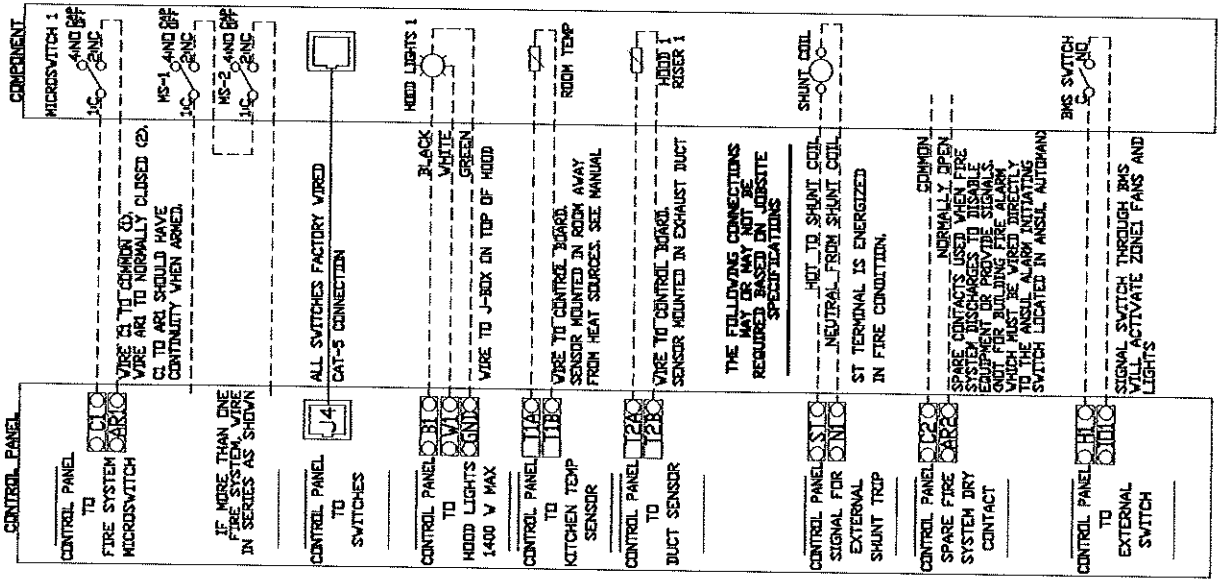
BREAKER PANEL TO CONTROL PANEL
 Responsibility: Electrician
 BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



CONTROL PANEL TO FANS
 Responsibility: Electrician



CONTROL PANEL TO ACCESSORY ITEMS
 Responsibility: Electrician



THE FOLLOWING CONNECTIONS MAY OR MAY NOT BE REQUIRED BASED ON JOBSITE SPECIFICATIONS

NORMALLY OPEN SPARE CONTACTS USED WHEN FIRE SYSTEM DISCHARGES TO DISABLE EQUIPMENT OR PROVIDE SIGNALS OUT FOR BUILDING FIRE ALARM CONTROL PANELS TO BE WIRING DIRECTLY TO THE ANSUL ALARMING SWITCH LOCATED IN ANSUL AUTOHAND

SIGNAL SWITCH THROUGH BMS WILL ACTIVATE ZONE1 FANS AND LIGHTS

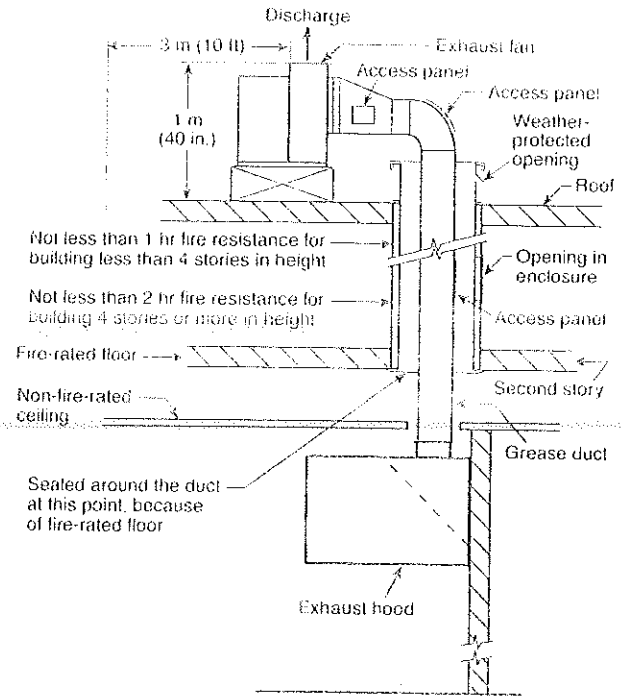


FIGURE A.4.2(c) Typical Section View for Building with Two Stories or More with Non-Fire-Rated Ceiling and Fire-Rated Floor. (Clearances given in Figure A.4.2(a) apply also to this drawing.)

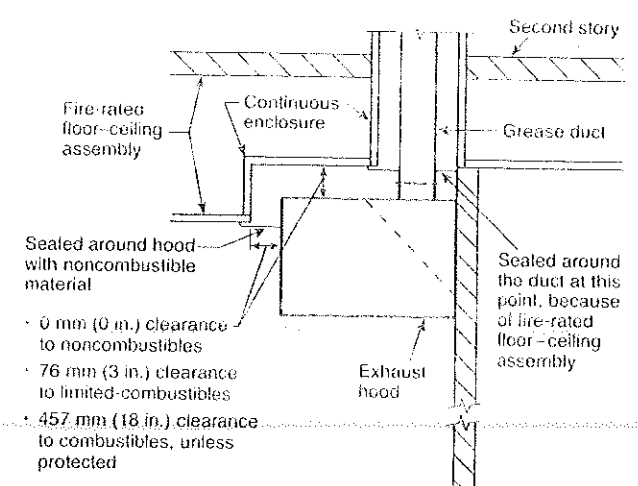


FIGURE A.4.2(d) Typical Section View for One-Story Building Without Fire-Rated Roof-Ceiling Assembly.

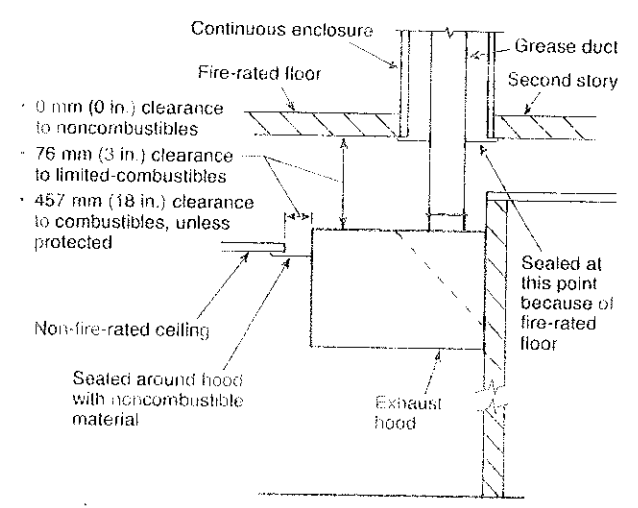
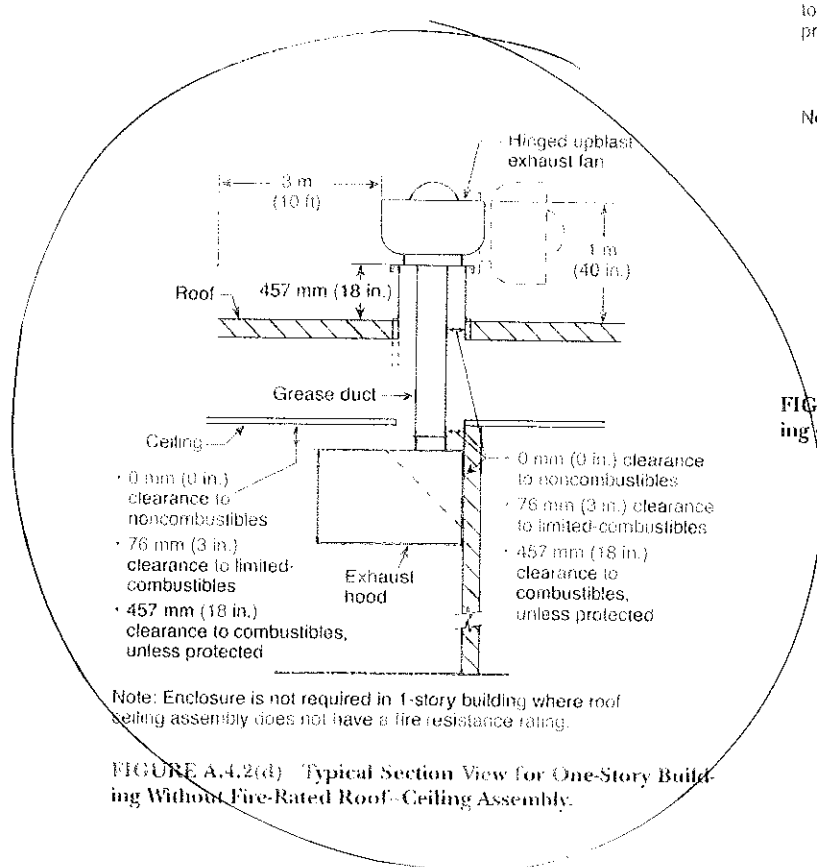


FIGURE A.4.2(e) Detail Drawings Showing Hoods Penetrating Ceilings.



Note: Enclosure is not required in 1-story building where roof ceiling assembly does not have a fire resistance rating.

FIGURE A.4.2(f) Typical Section View for One-Story Building Without Fire-Rated Roof-Ceiling Assembly.