

**THE CADDY VENTILATOR TESTING, LISTING AND APPROVAL REFERENCES:**

NATIONAL FIRE PROTECTION ASSOCIATION  
IN ACCORDANCE WITH RECOMMENDATION OF NATIONAL FIRE PROTECTION ASSOCIATION'S NFPA NO. 96 "VAPOR REMOVAL FROM COOKING EQUIPMENT"

NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"  
ETL, INTERTEK  
TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT". ETL LISTED UNDER CONTROL # 3177269

UNIFORM MECHANICAL CODE  
SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN VENTILATION SYSTEMS

THE BOCA NATIONAL MECHANICAL CODE

CHAPTER 5 - KITCHEN EXHAUST EQUIPMENT  
STANDARD MECHANICAL CODE (SBCCI)

SECTION 504 - COMMERCIAL HOODS  
UNIFORM BUILDING CODE (ICBO)

INTERNATIONAL MECHANICAL CODE (IMC)

SECTION 507 - COMMERCIAL KITCHEN HOODS  
EXCLUDES CODE #507.2.1.1, CONSULT FACTORY FOR COMPLIANCE OPTIONS.

**NOTE:**

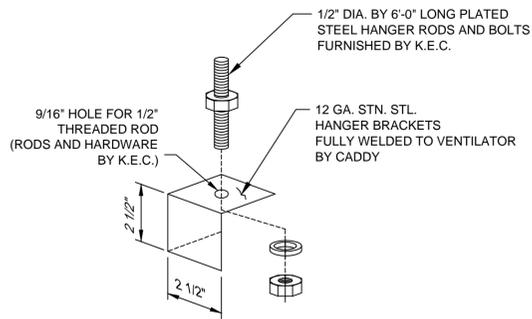
K.E.C. MUST VERIFY THE EXACT DIMENSION OF THE COOKING EQUIPMENT FROM EITHER THE WALL OR FROM THE FRONT OF THE HOOD, SO CADDY MAY PROPERLY LOCATE THE FIRE PROTECTION NOZZLES AT TIME-OF-FABRICATION IN THE FACTORY. IF EQUIPMENT IS NOT LOCATED AS SHOWN AND THE DRAWING IS APPROVED FOR FABRICATION, THEN NOZZLES MUST BE RELOCATED AT THE EXPENSE OF OTHERS.

**CONTRACTOR NOTE:**

ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

**MAKE-UP AIR NOTE:**

AIR TEMPERATURE SHOULD RANGE FROM 60° TO 65°F, BUT MAY BE AS LOW AS 50° F DEPENDING ON AIR VOLUME, DISTRIBUTION, AND INTERNAL HEAT LOAD



**HANGER BRACKET DETAIL A-A**

SCALE: 1/4"=1"

**GENERAL CONTRACT CONDITIONS**

ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INSOFAR AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL CODES THAT ADD OR DEVIATE FROM THE ACCEPTED STANDARDS OF THE ABOVE AGENCIES. ANY FIELD WORK RELATING TO THE MODIFICATION OF ELECTRIC OR PLUMBING SYSTEMS, TO MEET REGIONAL OR LOCAL CODE REQUIREMENTS, IS TO BE DONE BY OTHERS AND WITHOUT BACK CHARGES TO CADDY CORPORATION, UNLESS THESE CONDITIONS WERE PREVIOUSLY BROUGHT TO OUR ATTENTION AND ARE EXPRESSLY INCLUDED IN OUR WRITTEN QUOTATION. ALL WIRING AND PLUMBING AT THE JOB SITE IS THE RESPONSIBILITY OF OTHERS. EQUIPMENT WILL BE CONSTRUCTED IN ACCORDANCE WITH OUR DRAWING(S) WHICH MUST BE APPROVED PRIOR TO FABRICATION. ANY SUBSEQUENT CHANGES REQUIRED MUST BE SUBMITTED TO US IN WRITING AND ACKNOWLEDGED ON OUR STANDARD FORM.

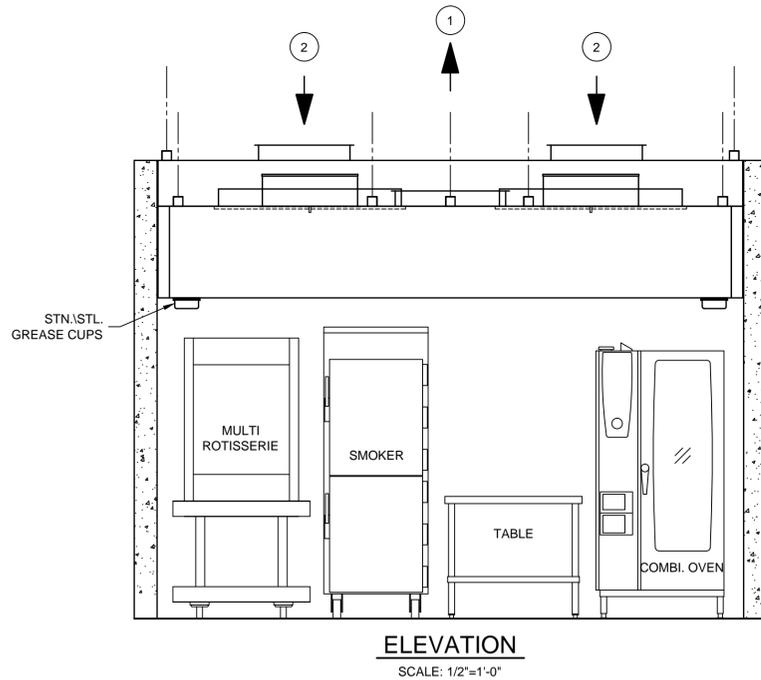
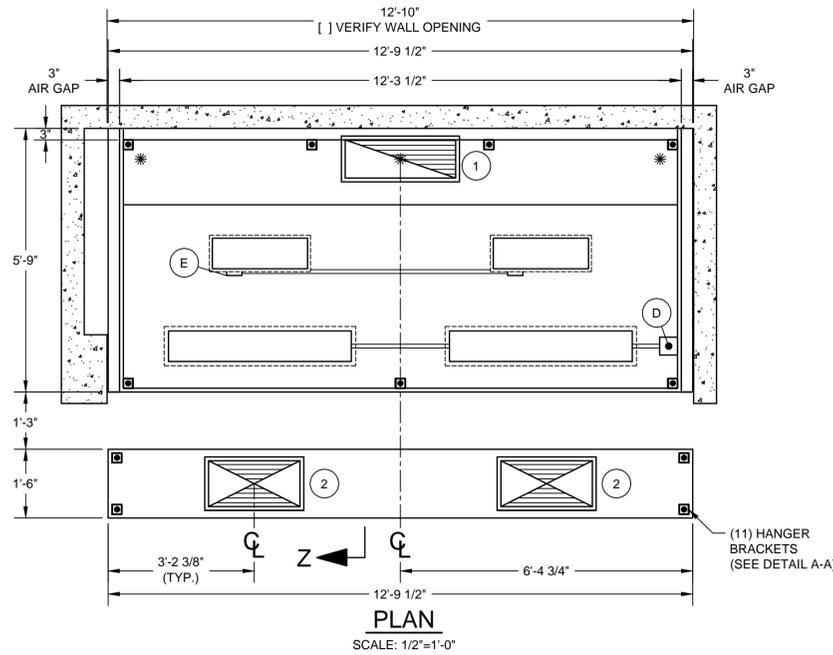
**K.E.C. TO VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT, REVIEW PLAN FOR PROPER LINE-UP PRIOR TO FABRICATION OF VENTILATORS, AND TO NOTIFY CADDY OF ANY CHANGES.**

**\*- MINIMUM OVERHANG FROM EDGE OF COOKING EQUIPMENT TO END OF HOOD MUST BE 6"**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA MAXIMUM VENTILATOR DIMENSIONS 12'-9 1/2" LONG x 5'-9" WIDE x 32 1/2" HIGH ESTIMATED TOTAL HANGING WEIGHT: 1,339 LBS.

VENTILATOR TO BE SHIPPED IN (2) UNITS. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.



**ELEVATION**

SCALE: 1/2"=1'-0"

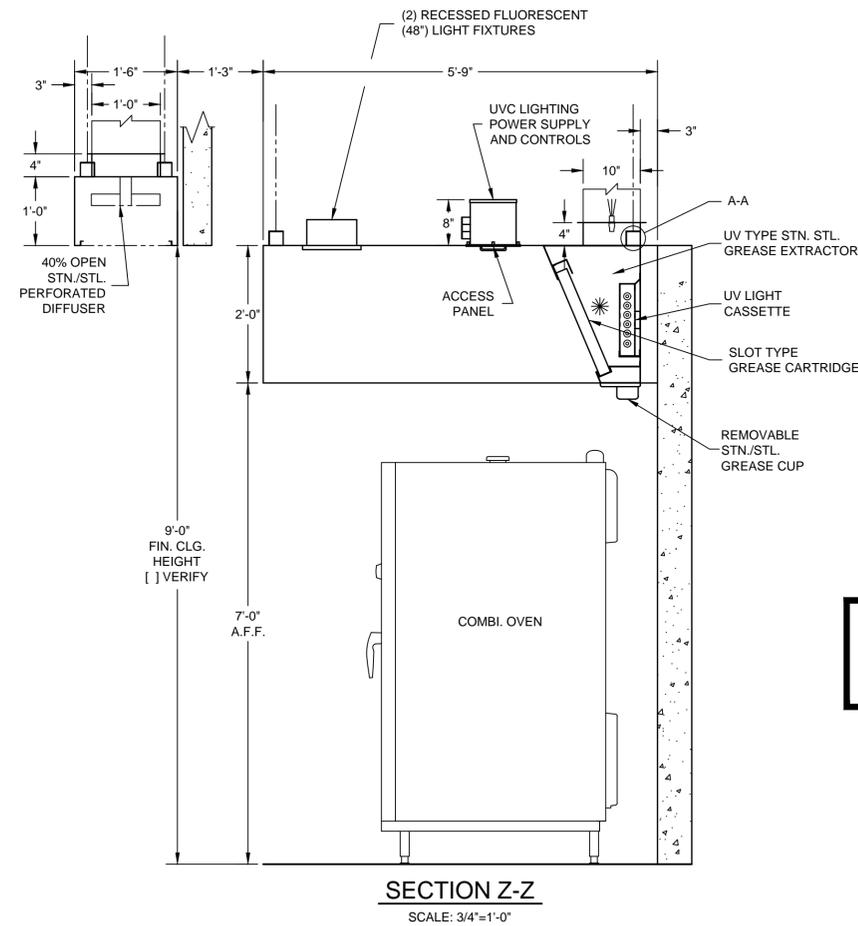
**ELECTRICAL NOTES:**

- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (E) BY CADDY. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY ELECTRICAL CONTRACTOR.
- UVC LIGHT CONTROL BOX FURNISHED AND INSTALLED BY CADDY. 120V SUPPLY AND INTERLOCK WIRING TO EACH JUNCTION BOX (E) BY ELECTRICAL CONTRACTOR.

TOTAL EXHAUST : 3,675 C.F.M.

TOTAL SUPPLY : 2,940 C.F.M.

1	10" X 29" EXHAUST DUCT 3,675 C.F.M. @ 1.60" S.P.	2	12" X 24" SUPPLY DUCTS 1,470 C.F.M. EACH @ 0.20" S.P.
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**SECTION Z-Z**

SCALE: 3/4"=1'-0"

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

- EXHAUST C.F.M. BASED ON 300 C.F.M. PER LINEAR FOOT.
- EXHAUST STATIC PRESSURE IS 1.60" W.G. AT DUCT TAKE-OFF COLLAR. TOTAL DUCT STATIC MUST BE ADDED. STATIC BASED ON OPERATION AT MEAN SEA LEVEL.
- DUCT SIZE BASED ON 1,800 F.P.M.

**EXHAUST FAN REQUIREMENTS:**

- TYPE - INDUCED DRAFT, SQUIRREL CAGE, BACKWARD INCLINED BLADES, EXHAUST FAN DISCHARGE SHOULD BE VERTICAL, AWAY FROM AIR INTAKES. FAN FURNISHED BY OTHERS.
- EXHAUST FAN MUST BE FURNISHED WITH A MAGNETIC STARTER WITH 120 VOLT HOLDING COIL. STARTER FURNISHED BY OTHERS.

**MAKE-UP AIR REQUIREMENTS:**

- AIR EXHAUSTED FROM KITCHEN MUST BE REPLACED - WITH DISTRIBUTION CONTROLLED TO PROVIDE FOR TOTAL KITCHEN VENTILATION AND TO ESTABLISH NECESSARY AIR PATTERNS FOR PROPER PERFORMANCE OF THE VENTILATORS. AIR DISTRIBUTION SYSTEMS SHALL BE IN ACCORDANCE WITH ALL GOVERNING CODES.
- MAKE-UP AIR MUST BE TEMPERED-HEATED OR COOLED-CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

- VENTILATORS TO BE INSTALLED IN ACCORDANCE WITH ALL CODES. CONTRACTORS MUST REVIEW APPLICABLE CODES WITH CODE AUTHORITIES BEFORE APPROVING DRAWINGS FOR FABRICATION. SPECIAL ATTENTION MUST BE GIVEN TO CODE REGULATIONS RELATIVE TO CLEARANCES FROM SURROUNDING COMBUSTIBLE CONSTRUCTION (WALL, CEILINGS, ETC.).
- VENTILATORS ARE NOT TO BE INSTALLED IN AREAS MEANT TO HANDLE ENVIRONMENTAL AIR.
- ALL DUCTWORK BEYOND VENTILATOR DUCT TAKE-OFF COLLAR TO BE PROVIDED AND INSTALLED BY OTHERS, IN ACCORDANCE WITH JURISDICTIONAL CODES. DUCTS MUST BE MECHANICALLY STRONG, GREASE AND WATER TIGHT.
- MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

**CONSTRUCTION:**

- VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
- VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL.

**FIRE PROTECTION:**

- SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY CADDY (ANSUL R-102).
- CAUTION: SURFACE FIRE PROTECTION SYSTEM INSTALLATION MUST BE COORDINATED WITH CADDY TO PREVENT SYSTEMS INTERFERENCE WITH VENTILATOR'S OPERATION/PERFORMANCE. IMPROPER INSTALLATION MAY VOID LISTINGS OF THE EQUIPMENT.
- IMPORTANT NOTE: NFPA 96 REQUIRES THAT ALL GAS AND ELECTRIC COOKING EQUIPMENT THAT IS PROTECTED BY A SURFACE FIRE PROTECTION SYSTEM MUST AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE SYSTEM.

**ELECTRICAL REQUIREMENTS:**

- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.

**VISIBLE EXTERIOR OF HOOD TO BE WRAPPED IN RIMEX LEATHER GRAIN BY CADDY**



ROUGH-IN SCHEDULE			REVISIONS				CADDY CORPORATION	
SYM	QTY	DESCRIPTION	REV	DATE	BY	REMARKS	509 Sharpstown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 internet: www.caddycorp.com	
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD					P.O. Box 345	
E	1	120V, 60HZ, 1PH, 1.44 K.W. CONNECTED LOAD					Fax: 856-467-5511	
							<b>EQUIPMENT SCHEDULE</b>	
							SHBCU-C-W-147.5-ND-69 W/ CEILING SUPPLY PLENUM	
			CADDY NO.		ITEM NO.			
			JOB:		LOC:			
			CUST:		CUST#:			
			DATE: 5-28-13		SCALE: AS NOTED		SHT 1	
			DR BY: DRA		APP'D BY: <i>BPM</i>		DWG#	
							OF 5	

**THE CADDY VENTILATOR TESTING,  
LISTING AND APPROVAL REFERENCES:**

NATIONAL FIRE PROTECTION ASSOCIATION  
IN ACCORDANCE WITH RECOMMENDATION OF NATIONAL FIRE  
PROTECTION ASSOCIATION'S NFPA NO. 96 "VAPOR REMOVAL FROM  
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NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"  
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TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR  
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UNIFORM MECHANICAL CODE

SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN  
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STANDARD MECHANICAL CODE (SBCCI)

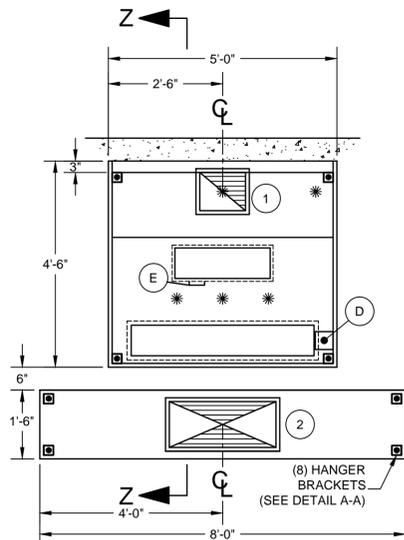
SECTION 504 - COMMERCIAL HOODS

UNIFORM BUILDING CODE (UBCO)

INTERNATIONAL MECHANICAL CODE (IMC)

SECTION 507 - COMMERCIAL KITCHEN HOODS

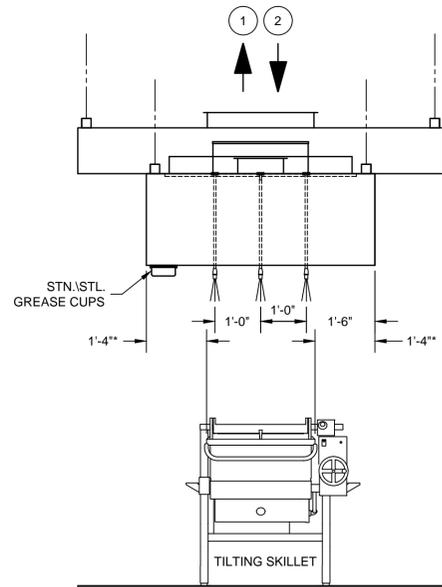
EXCLUDES CODE #507.2.1.1, CONSULT FACTORY  
FOR COMPLIANCE OPTIONS.



**PLAN**

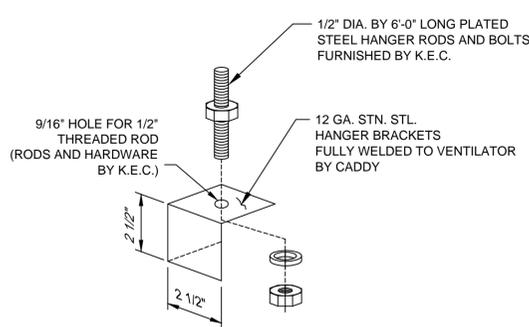
SCALE: 1/2"=1'-0"

TOTAL EXHAUST : 1,500 C.F.M.  
TOTAL SUPPLY : 2,000 C.F.M.



**ELEVATION**

SCALE: 1/2"=1'-0"



**HANGER BRACKET DETAIL A-A**

SCALE: 1/4"=1"

**GENERAL CONTRACT CONDITIONS**

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**K.E.C. TO VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT, REVIEW PLAN FOR PROPER LINE-UP PRIOR TO FABRICATION OF VENTILATORS, AND TO NOTIFY CADDY OF ANY CHANGES.**

**\*- MINIMUM OVERHANG FROM EDGE OF COOKING EQUIPMENT TO END OF HOOD MUST BE 6"**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA MAXIMUM VENTILATOR DIMENSIONS 8'-0" LONG x 4'-6" WIDE x 32 1/2" HIGH ESTIMATED TOTAL HANGING WEIGHT: 570 LBS.

VENTILATOR TO BE SHIPPED IN (2) UNITS. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (E) BY CADDY. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY ELECTRICAL CONTRACTOR.
3. UVC LIGHT CONTROL BOX FURNISHED AND INSTALLED BY CADDY. 120V SUPPLY AND INTERLOCK WIRING TO EACH JUNCTION BOX (E) BY ELECTRICAL CONTRACTOR.

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

1. EXHAUST C.F.M. BASED ON 300 C.F.M. PER LINEAR FOOT.
2. EXHAUST STATIC PRESSURE IS 1.60" W.G. AT DUCT TAKE-OFF COLLAR. TOTAL DUCT STATIC MUST BE ADDED. STATIC BASED ON OPERATION AT MEAN SEA LEVEL.
3. DUCT SIZE BASED ON 1,800 F.P.M.

**EXHAUST FAN REQUIREMENTS:**

1. TYPE - INDUCED DRAFT, SQUIRREL CAGE, BACKWARD INCLINED BLADES, EXHAUST FAN DISCHARGE SHOULD BE VERTICAL, AWAY FROM AIR INTAKES. FAN FURNISHED BY OTHERS.
2. EXHAUST FAN MUST BE FURNISHED WITH A MAGNETIC STARTER WITH 120 VOLT HOLDING COIL. STARTER FURNISHED BY OTHERS.

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1. AIR EXHAUSTED FROM KITCHEN MUST BE REPLACED - WITH DISTRIBUTION CONTROLLED TO PROVIDE FOR TOTAL KITCHEN VENTILATION AND TO ESTABLISH NECESSARY AIR PATTERNS FOR PROPER PERFORMANCE OF THE VENTILATORS. AIR DISTRIBUTION SYSTEMS SHALL BE IN ACCORDANCE WITH ALL GOVERNING CODES.
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4. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

**CONSTRUCTION:**

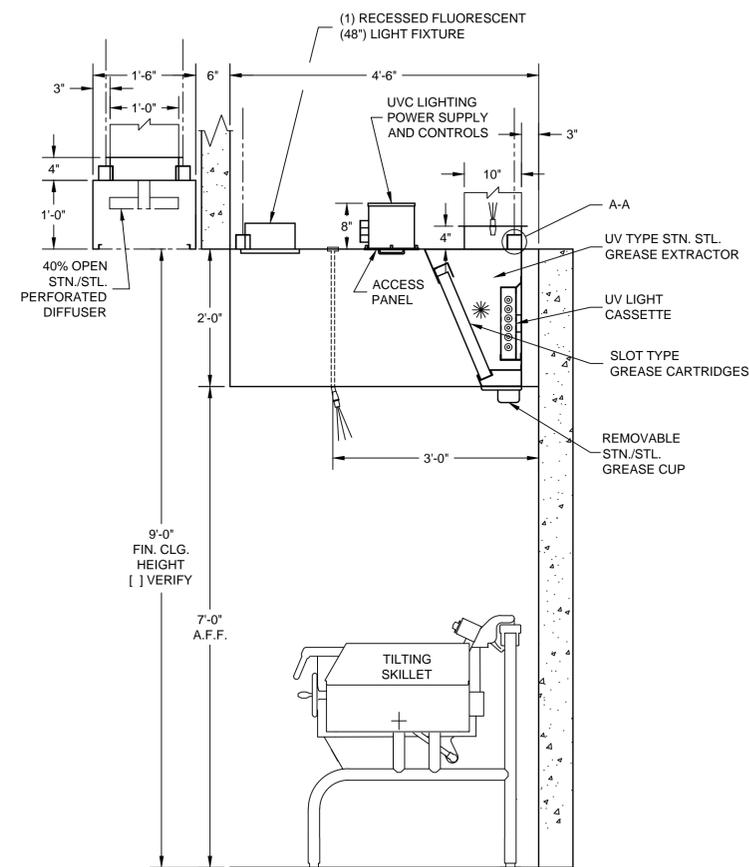
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL.

**FIRE PROTECTION:**

1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY CADDY (ANSUL R-102).
2. CAUTION: SURFACE FIRE PROTECTION SYSTEM INSTALLATION MUST BE COORDINATED WITH CADDY TO PREVENT SYSTEMS INTERFERENCE WITH VENTILATOR'S OPERATION/PERFORMANCE. IMPROPER INSTALLATION MAY VOID LISTINGS OF THE EQUIPMENT.
3. IMPORTANT NOTE: NFPA 96 REQUIRES THAT ALL GAS AND ELECTRIC COOKING EQUIPMENT THAT IS PROTECTED BY A SURFACE FIRE PROTECTION SYSTEM MUST AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE SYSTEM.

**ELECTRICAL REQUIREMENTS:**

1. LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



**SECTION Z-Z**

SCALE: 3/4"=1'-0"

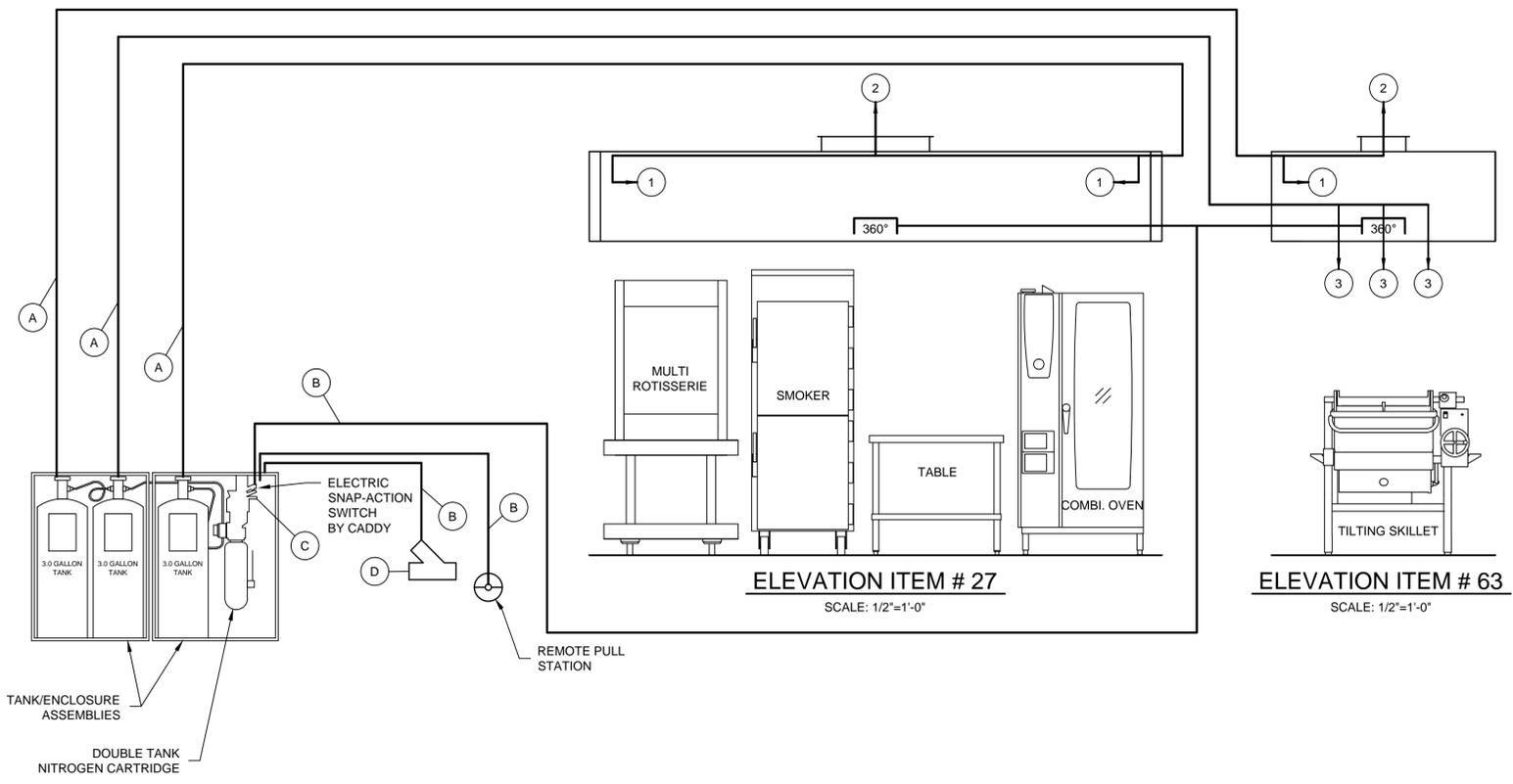
**VISIBLE EXTERIOR OF HOOD TO BE WRAPPED IN RIMEX LEATHER GRAIN BY CADDY**

**THE CEILING SUPPLY PLENUM WAS INCREASED TO PROVIDE 800 CFM SUPPLY AIR FOR THE EXHAUST HOOD OVER THE PICARD OVEN. [ ] VERIFY EXHAUST AMOUNT FOR PICARD HOOD.**



ROUGH-IN SCHEDULE			REVISIONS		<b>CADDY CORPORATION</b> 509 Sharptown Road P.O. Box 345 Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Fax: 856-467-5511 internet: www.caddycorp.com								
SYM	QTY	DESCRIPTION	REV	DATE		BY	REMARKS						
D	1	120V, 60HZ, 1PH, 0.08 K.W. CONNECTED LOAD											
E	1	120V, 60HZ, 1PH, 0.72 K.W. CONNECTED LOAD											
<table border="1"> <tr> <td>DATE</td> <td>5-28-13</td> <td>SCALE</td> <td>AS NOTED</td> </tr> <tr> <td>DR BY</td> <td>DRA</td> <td>APP'D BY</td> <td>BPM</td> </tr> </table>			DATE	5-28-13	SCALE	AS NOTED	DR BY	DRA	APP'D BY	BPM	DWG#		SHT 2 OF 5
DATE	5-28-13	SCALE	AS NOTED										
DR BY	DRA	APP'D BY	BPM										

EQUIPMENT SCHEDULE	
SHBCU-C-W-60-ND-54 W/ CEILING SUPPLY PLENUM	
CADDY NO.	ITEM NO.
JOB:	LOC:
CUST:	CUST#:



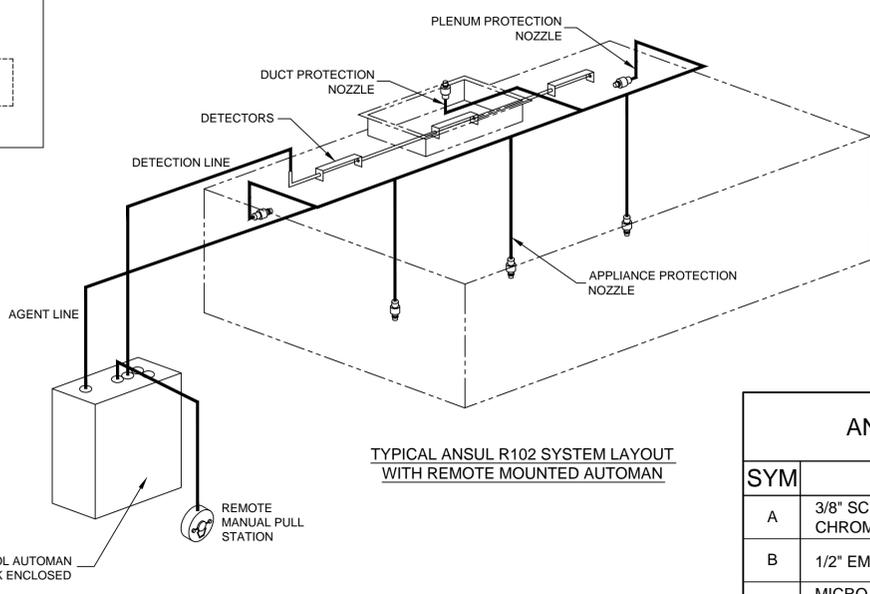
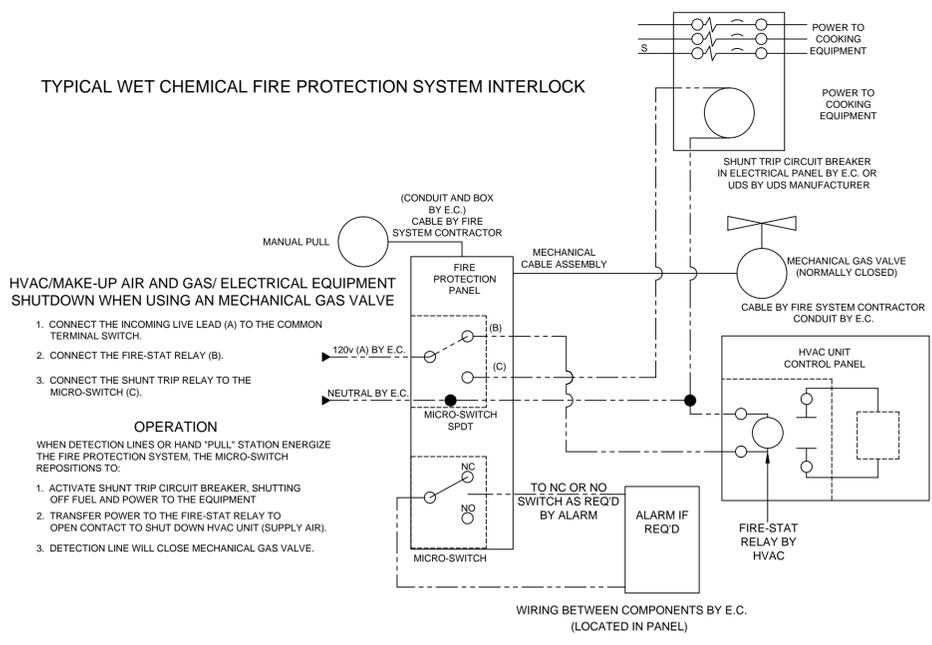
**INSTALLATION INFORMATION**  
 ALLOW SUFFICIENT AREA TO MOUNT ANSUL ON  
 CLOSEST STRUCTURAL WALL TO VENTILATOR  
 MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
 42" LONG x 7 1/2" DEEP x 23 1/2" HIGH  
 ESTIMATED TOTAL HANGING WEIGHT: 125 LBS.  
 ENCLOSURE MOUNTING HEIGHT 7'-0"

**ANSUL R-102 3/3/3 SYSTEM**  
 FOR VENTILATOR ITEMS # 27 & 63

**ANSUL NOZZLE DATA**

SYM	QTY	DESCRIPTION	FLOW POINTS EACH	MIN.-MAX. HEIGHT ABOVE HAZARD
1	3	ANSUL #1N	1	
2	2	ANSUL #2W	2	
3	3	ANSUL #3N	3	21"-34"

**TYPICAL WET CHEMICAL FIRE PROTECTION SYSTEM INTERLOCK**



**ANSUL ROUGH-IN SCHEDULE**

SYM	DESCRIPTION
A	3/8" SCH 40 BLACK IRON PIPE. ALL EXPOSED PIPING TO BE CHROME PLATED OR STN./STL.
B	1/2" EMT CONDUIT
C	MICRO SWITCH FOR ELECTRIC SHUT-DOWN AND/OR ALARM BY CADDY WIRING BY E.C.
D	2" MECHANICAL TYPE GAS VALVE FURNISHED BY CADDY AND INSTALLED BY P.C. ([ ] VERIFY SIZE).

**REVISIONS**

REV	DATE	BY	REMARKS

**CADDY CORPORATION**  
 509 Sharptown Road, P.O. Box 345  
 Bridgeport, NJ 08014-0345  
 Tel: 856-467-4222  
 internet: www.caddycorp.com Fax: 856-467-5511

**EQUIPMENT SCHEDULE**

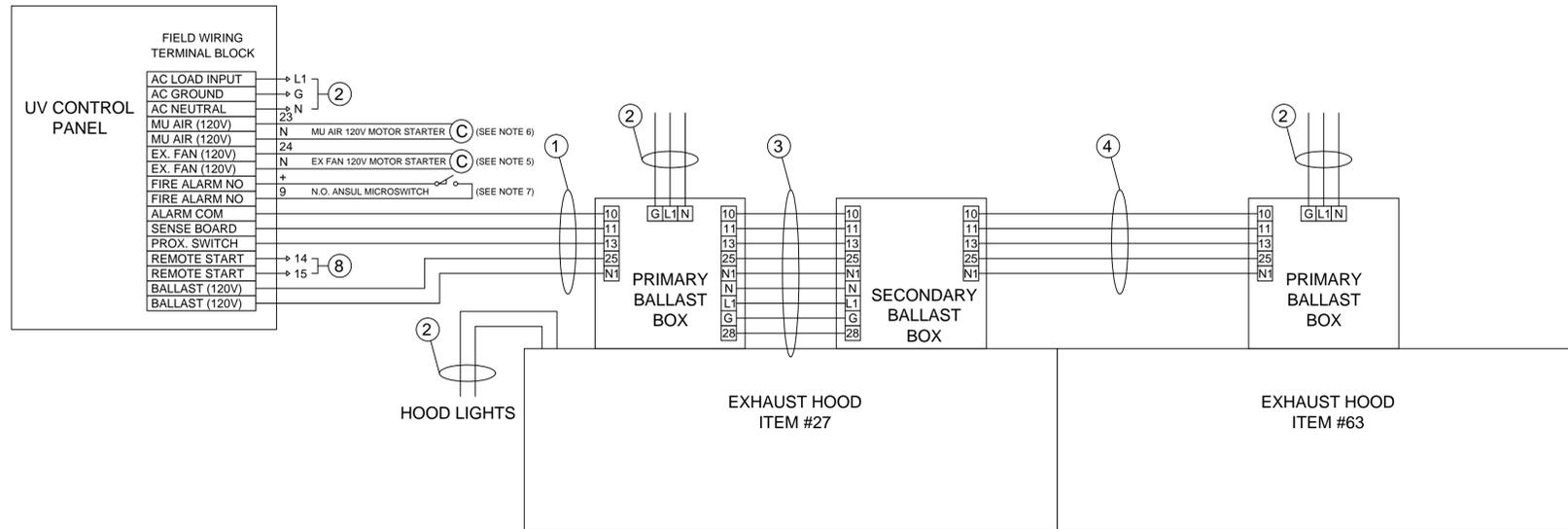
ANSUL R-102 3/3/3

CADDY NO.	ITEM NO.

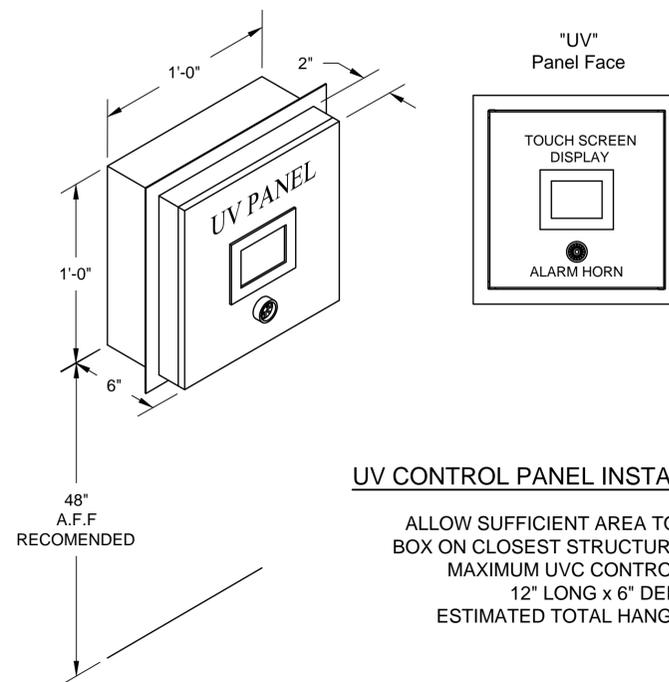
JOB:  
 LOC:  
 CUST:  
 CUST#:

DATE: 5-28-13 SCALE: AS NOTED  
 DR BY: DRA APP'D BY: BJB DWG# SHT 3 OF 5

## CADDY ULTRA SERIES HOOD SYSTEM FIELD WIRING DIAGRAM



1. 5 WIRE INTERLOCK BY ELECTRICAL CONTRACTOR
2. 120/1 15 AMP POWER SUPPLY BY ELECTRICAL CONTRACTOR
3. 9 WIRE INTERLOCK BY CADDY
4. 5 WIRE INTERLOCK, SUPPLIED OR RECONNECTED BY ELECTRICAL CONTRACTOR
5. 2 WIRE 120V INTERLOCK BY ELECTRICAL CONTRACTOR TO ENERGIZE EXHAUST FAN MOTOR COIL WHEN UV SYSTEM IS TURNED ON.
6. 2 WIRE 120V INTERLOCK BY ELECTRICAL CONTRACTOR TO ENERGIZE MAKE-UP AIR FAN MOTOR COIL WHEN UV SYSTEM IS TURNED ON.
7. 2 WIRE 24V LOW VOLTAGE INTERLOCK FROM ANSUL MICROSWITCH BY ELECTRICAL CONTRACTOR.
8. 2 WIRES TO BUILDING AUTOMATION SYSTEM, IF APPLICABLE



### UV CONTROL PANEL INSTALLATION INFORMATION

ALLOW SUFFICIENT AREA TO MOUNT UVC CONTROL BOX ON CLOSEST STRUCTURAL WALL TO VENTILATOR  
 MAXIMUM UVC CONTROL BOX DIMENSIONS  
 12" LONG x 6" DEEP x 12" HIGH  
 ESTIMATED TOTAL HANGING WEIGHT: 30 LBS.

### GENERAL CONTRACT CONDITIONS

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<b>CADDY CORPORATION</b> 509 Sharptown Road P.O. Box 345 Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Fax: 856-467-5511 internet: www.caddycorp.com			
<b>EQUIPMENT SCHEDULE</b>			
CPE-U			
CADDY NO.		ITEM NO.	
JOB: LOC: CUST: CUST#:			
DATE	5-28-13	SCALE	AS NOTED
DR BY	DRA	APP'D BY	<i>BFW</i>
<b>DWG#</b>			SHT 4 OF 5

**GENERAL NOTES**

- GENERAL :**  
 -CABINETS ARE OF WELDED STEEL CONSTRUCTION, PRIMED AND PAINTED.  
 -ECOLOGY UNIT IS U.L. & U.L.C. LISTED.
- INSTALLATION :**  
 -THE EXHAUST DUCT CONNECTION AT THE ENTRANCE TO THE FILTER SECTION MUST BE CONTINUOUSLY WELDED.  
 -ALLOW MINIMUM OF 30" CLEARANCE ON ACCESS SIDE FOR FILTER REMOVAL AND FIELD SERVICING.  
 -EXHAUST DUCT WORK INSTALLED BETWEEN EXHAUST VENTILATOR AND ECOLOGY FILTER SECTION MUST CONFORM TO N.F.P.A. 96  
 -ALL DUCT WORK BETWEEN EXHAUST VENTILATOR(S), ECOLOGY UNIT AND DOWNSTREAM FROM ECOLOGY UNIT SHALL BE SUPPLIED AND INSTALLED BY OTHERS.  
 -ALL DUCT CONNECTIONS TO THE UNITS MUST BE TRANSITIONED TO THE FULL OPENING AT THE UNIT INLET AND OUTLET.  
 -FILTERS MUST BE INSTALLED IN THE PROPER SEQUENCE AND PROPERLY SEATED AGAINST THE FILTER SUPPORT FRAME.  
 -A STRUCTURAL ENGINEER SHALL VERIFY THAT THE STRUCTURE WILL SUPPORT THE ADDITIONAL LOAD.  
 -ALL UNITS SHOULD BE PLUMB AND LEVEL.  
 -THE CONTROL PANEL IS WALL MOUNTED AT THE LOCATION SPECIFIED BY THE MECH. CONSULTANT.
- ELECTRICAL :**  
 -WIRE SIZES TO BE DETERMINED BY THE ELECTRICAL RATINGS ON THE UNIT RATING PLATE AND CONFORM TO ELECTRICAL STANDARDS.
- INTERIOR SUSPENDED UNITS :**  
 -SUSPENDED UNITS TO BE MOUNTED ON PLATFORMS OR SUSPENDED BY HANGING RODS FROM SUPPORT ANGLES WELDED TO THE ECOLOGY UNIT STRUCTURAL FRAME. PLATFORM AND HANGING RODS SUPPLIED AND INSTALLED BY OTHERS.  
 -SUSPENDED UNITS MUST BE PROVIDED WITH A SERVICE PLATFORM ALONG ENTIRE LENGTH OF UNIT BY OTHERS. THE PLATFORM SHOULD BE 30" WIDE TO ENSURE PROPER ACCESS TO ECOLOGY SYSTEM.  
 -SUSPENSION RODS MUST BE INSTALLED IN SUCH A WAY THAT THE ACCESS DOORS ARE NOT OBSTRUCTED AT ALL TIMES.  
 -ALLOW 6" CLEARANCE ABOVE FILTER SECTION FOR ACCESS TO PRESSURE SWITCH PORTS.

**CONFIRM SEQUENCE OF OPERATION**

- SYSTEM ON MODE:**  
 -SELECTOR SWITCH IN "ON" POSITION  
 -EXHAUST FAN ON  
 -MAKE-UP AIR FAN ON (OPTIONAL)
- SYSTEM OFF MODE:**  
 -SELECTOR SWITCH IN "OFF" POSITION  
 -EXHAUST FAN OFF  
 -MAKE-UP AIR FAN OFF (OPTIONAL)
- FIRE MODE AT HOOD FIRE SYSTEM:**  
 -EXHAUST FAN TURNS ON  
 -MAKE-UP AIR FAN TURNS OFF (OPTIONAL)
- FIRE MODE AT CAS UNIT:**  
 -EXHAUST FAN TURNS OFF  
 -MAKE-UP AIR FAN TURNS OFF (OPTIONAL)

CAS UNIT TO SERVE HOOD ITEM # 27 & 63

FILTER SECTION			
MAXIMUM AIR EXHAUST	8,000 C.F.M.		
DESIGN AIR EXHAUST	6,175 C.F.M.		
FILTER BOX STATIC	1.85" W.G.		
DIRTY FILTER FACTOR	0.50" W.G.		
TOTAL INTERNAL STATIC	2.35" W.G.		
MOUNTING	INDOOR/FLOOR		
WEIGHT	970 LBS		

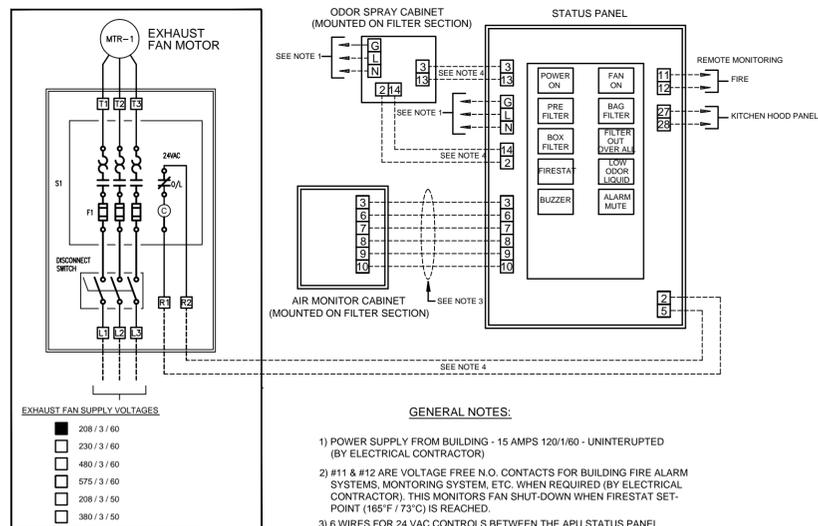
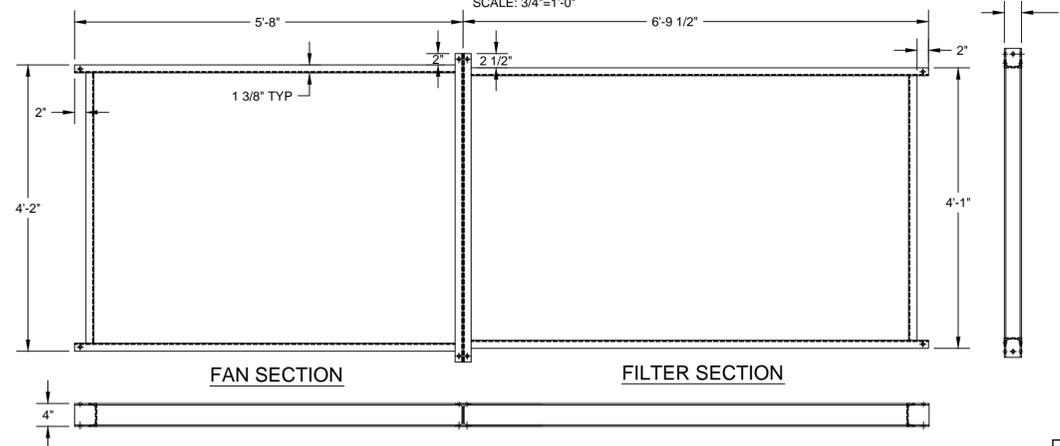
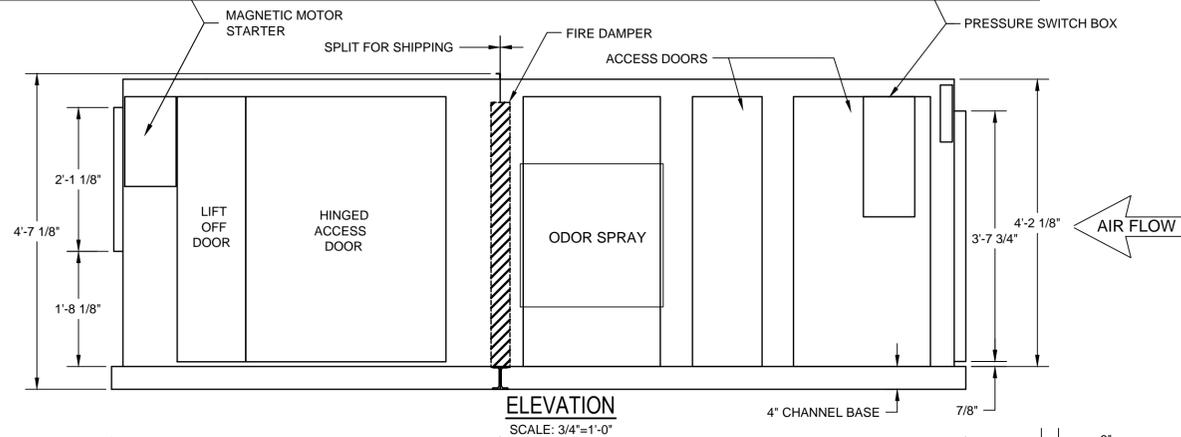
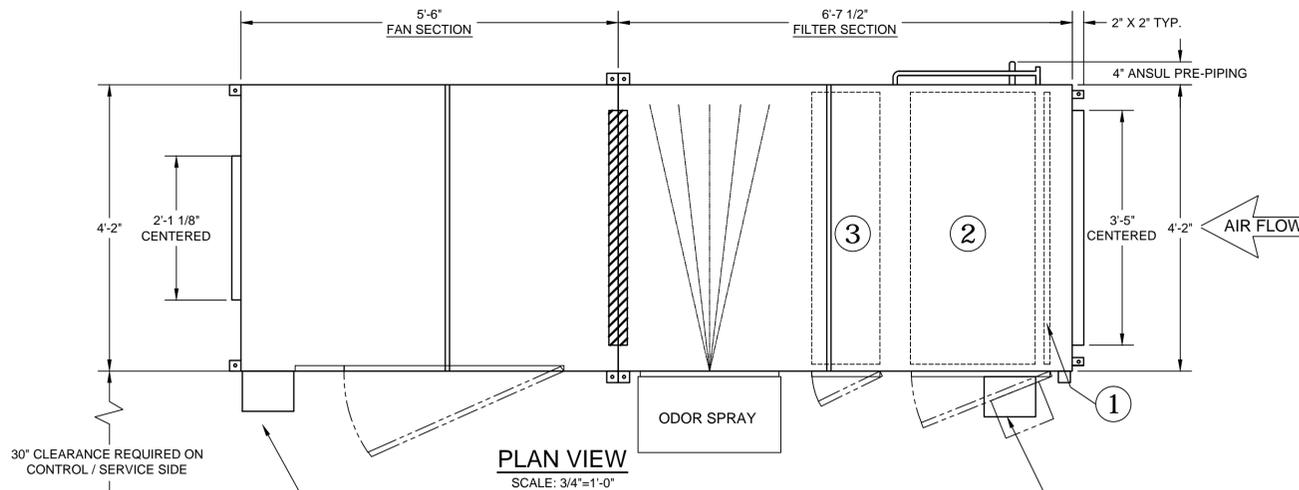
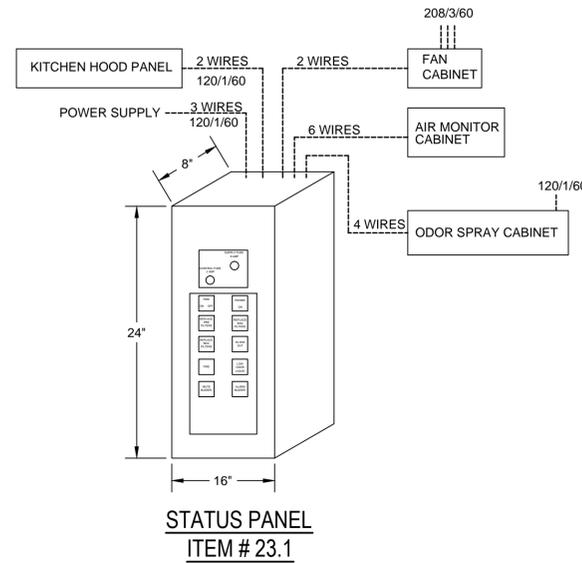
  

ECOLOGY FILTER DATA (AT FULL LOAD CAPACITY)				
FLT. NO.	TYPE	SIZE	QTY.	S.P. (IN.WG)
1	40%	24"X12"X4"	0	0.15"
		24"X24"X4"	4	CLEAN
2	95%	24"X12"X22"	0	0.70"
		24"X24"X22"	4	CLEAN
3	99%	24"X12"X12"	0	1.00"
		24"X24"X12"	4	CLEAN

FAN SECTION	
MAX. EXHAUST AIR	8,000 CFM
TOTAL INTERNAL S.P.	2.35 W.G.
HOOD STATIC	1.60" W.G.
+ DUCT LOSS	ADVISE W.G.
= TOTAL EXTERNAL S.P.	T.B.A. W.G.
TOTAL SYSTEM S.P.	T.B.A. W.G.
MOTOR RPM	1,750 W.G.
MOTOR	20 HP
POWER	15.87 BHP
FULL LOAD AMPS	59.4 AMPS
VOLTAGE	208/3/60
FAN RPM	3,543
MOUNTING	INDOOR/FLOOR
WEIGHT	1,265 LBS

NOTES:  
 ----- FIELD WIRING (BY E.C.)  
 FOR CONTROL CIRCUITS USE 24V,  
 UNLESS OTHERWISE STATED



- GENERAL NOTES:**
- 1) POWER SUPPLY FROM BUILDING - 15 AMPS 120/1/60 - UNINTERRUPTED (BY ELECTRICAL CONTRACTOR)
  - 2) #11 & #12 ARE VOLTAGE FREE N.O. CONTACTS FOR BUILDING FIRE ALARM SYSTEMS, MONITORING SYSTEM, ETC. WHEN REQUIRED (BY ELECTRICAL CONTRACTOR); THIS MONITORS FAN SHUT-DOWN WHEN FIRESTAT-POINT (165°F / 73°C) IS REACHED.
  - 3) 6 WIRES FOR 24 VAC CONTROLS BETWEEN THE APU STATUS PANEL TERMINALS AND THE AIR MONITOR CABINET TERMINALS. (BY ELECTRICAL CONTRACTOR)
  - 4) ALL EXTERNAL CONTROL WIRING SHALL BE 12GA. MINIMUM OR AS PER APPLICABLE CODES.

**GENERAL CONTRACT CONDITIONS**

ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITERS LABORATORIES, INC. INSOFAR AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL CODES THAT ADD OR DEVIATED FROM THE ACCEPTED STANDARDS OF THE ABOVE AGENCIES. ANY FIELD WORK RELATING TO THE MODIFICATION OF ELECTRIC OR PLUMBING SYSTEMS, TO MEET REGIONAL OR LOCAL CODE REQUIREMENTS, IS TO BE DONE BY OTHERS AND WITHOUT BACK CHARGES TO CADDY CORPORATION, UNLESS THESE CONDITIONS WERE PREVIOUSLY BROUGHT TO OUR ATTENTION AND ARE EXPRESSLY INCLUDED IN OUR WRITTEN QUOTATION. ALL WIRING AND PLUMBING AT THE JOB SITE IS THE RESPONSIBILITY OF OTHERS. EQUIPMENT WILL BE CONSTRUCTED IN ACCORDANCE WITH OUR DRAWING(S) WHICH MUST BE APPROVED PRIOR TO FABRICATION. ANY SUBSEQUENT CHANGES REQUIRED MUST BE SUBMITTED TO US IN WRITING AND ACKNOWLEDGED ON OUR STANDARD FORM.

**CAS UNIT WILL AUTOMATICALLY TURN ON WHEN ANSUL IS IN FIRE MODE**

**NOTE:**  
 FAN C/W ACOUSTIC INSULATION PACKAGE TO REDUCE SOUND

**SHOP NOTE:**  
 BUILD PER U.L. CONSTRUCTION METHODS

**NOTE:**  
 CONFIRM RIGHT HAND ACCESS [ ]  
 CONFIRM DATA CHART [ ]

REVISIONS			
REV	DATE	BY	REMARKS

509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 internet: www.caddycorp.com		P.O. Box 345 Fax: 856-467-5511
<b>EQUIPMENT SCHEDULE</b>		
8000 CASKEF		
CADDY NO.	ITEM NO.	
JOB:	LOC:	
CUST:	CUST#:	

DATE	5-28-13	SCALE	AS NOTED	SHT 5
DR BY	DRA	APP'D BY	<i>BGM</i>	

**DWG#**