

**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"

UNDERWRITERS LABORATORIES, INC.  
TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT". U.L. LISTED UNDER FILE NUMBER MH12867

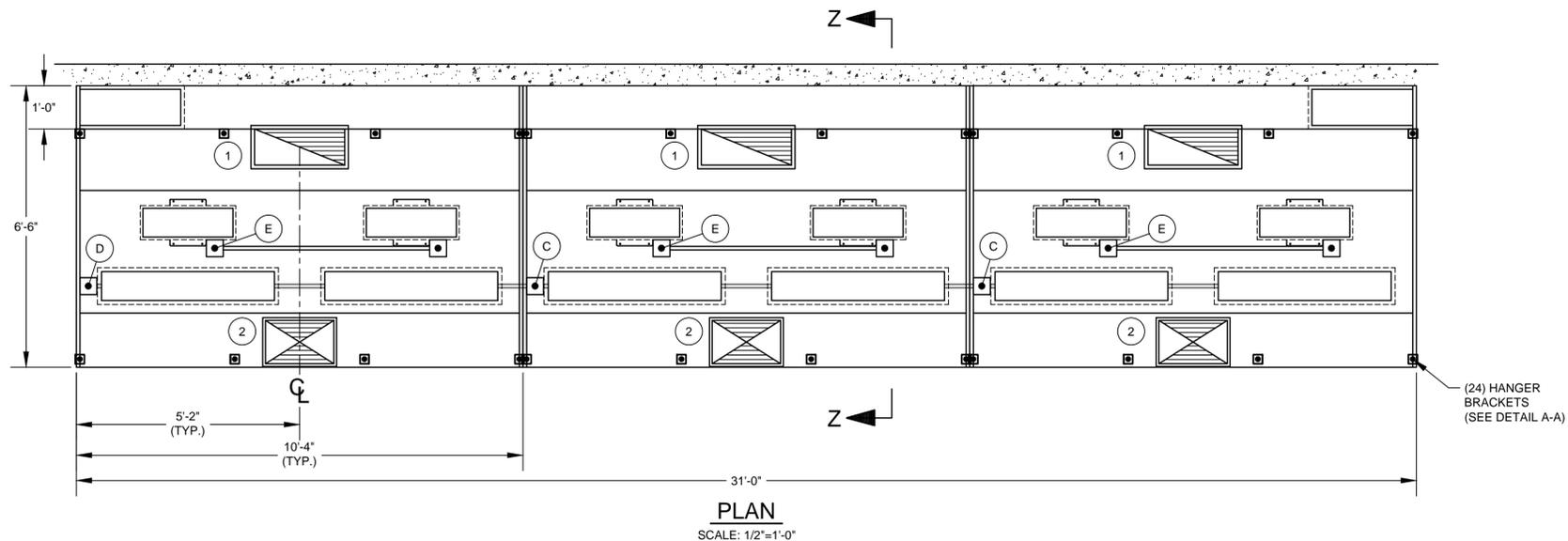
UNIFORM MECHANICAL CODE  
SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN VENTILATION SYSTEMS

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)



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

**ELECTRICAL NOTES:**

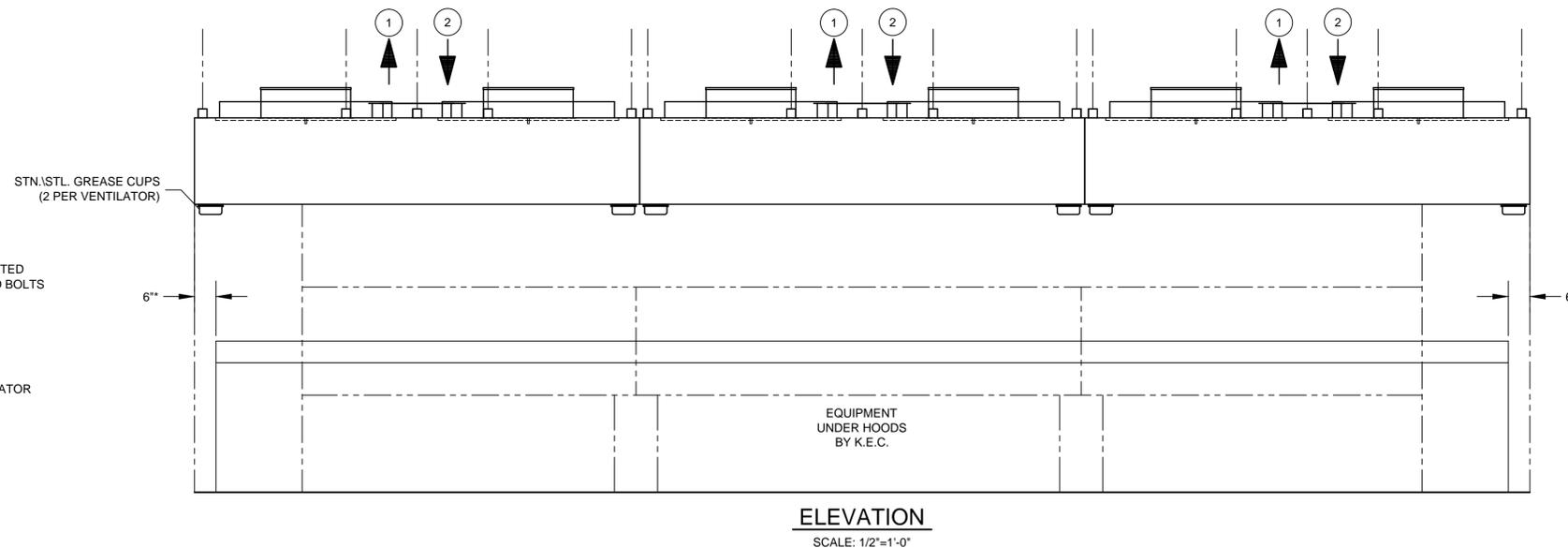
1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (D) BY CADDY. DISCONNECTED FOR SHIPPING AT EACH J-BOX (C). RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY. SWITCH LOCATED IN UDS RISER ITEM # 51.
3. UVC LIGHT CONTROL BOX FURNISHED AND INSTALLED BY CADDY. 120V SUPPLY AND INTERLOCK WIRING TO EACH JUNCTION BOX (E) BY ELECTRICAL CONTRACTOR.

**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:**

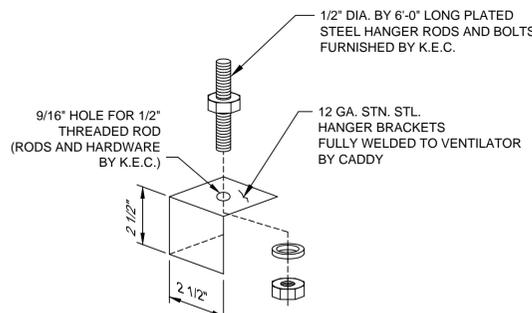
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES



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

TOTAL EXHAUST : 9,300 C.F.M.  
TOTAL SUPPLY : 3,720 C.F.M.

- |   |   |   |   |
|---|---|---|---|
| 1 | 10" X 25" EXHAUST DUCTS<br>3,100 C.F.M. EACH @ 1.60" S.P. | 2 | 12" X 19" SUPPLY DUCTS<br>1240 C.F.M. EACH @ 0.20" S.P. |
|---|---|---|---|



**HANGER BRACKET DETAIL A-A**  
SCALE: 1/4"=1"



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"

**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 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.

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 10'-4" LONG x 6'-6" WIDE x 32" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 3,255 LBS.

VENTILATOR TO BE SHIPPED IN (3) UNITS. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

**ROUGH-IN SCHEDULE**

SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD
E	3	120V, 60HZ, 1PH, 1.44 K.W. CONNECTED LOAD (EACH)

**REVISIONS**

REV	DATE	BY	REMARKS
A	1-10-06	BJW	FABRICATED PER APPROVED DRAWINGS
B	5-9-06	BAH	NO CHANGES TO THIS SHEET

**CADDY AirSystems**  
509 SHARPTOWN ROAD  
P.O. BOX 345 BRIDGEPORT NJ 08014  
Tel:(856) 467-4222 Fax:(856) 467-5511

**EQUIPMENT SCHEDULE**

SHBCU-C-ASI-124-ND-78

CADDY NO. 2850-1 ITEM NO. 50

JOB: REGIONAL SCHOOL DISTRICT # 10  
MIDDLE/HIGH SCHOOL  
LOC: BURLINGTON, CONNECTICUT  
CUST:  
CUST#:

**DWG# D-1-2850**

SHT 1  
OF 7

16926B

**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 1800 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.).
  - 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 K.E.C.
  - CAUTION: SURFACE FIRE PROTECTION SYSTEM INSTALLATION MUST BE COORDINATED WITH CADDY TO PREVENT SYSTEMS INTERFERENCE WITH VENTILATOR'S OPERATION/PERFORMANCE. IMPROPER INSTALLATION MAY VOID U.L. 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

- ELECTRICAL REQUIREMENTS:**
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.

**ELECTRICAL NOTES:**

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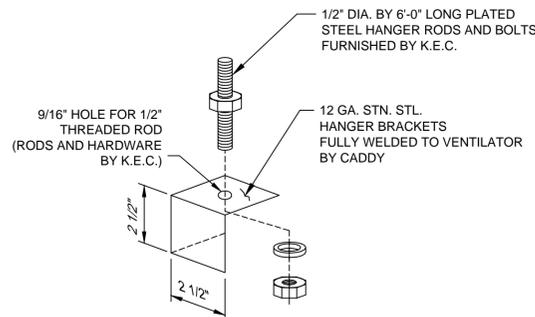
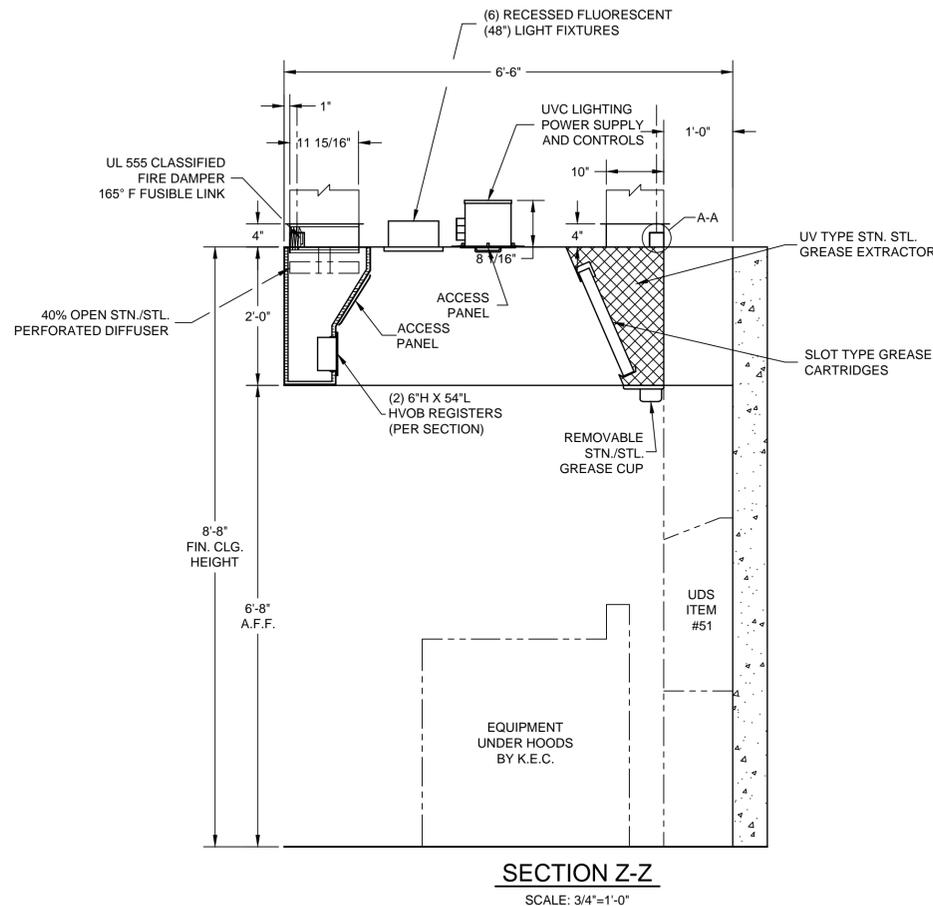
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**HANGER BRACKET DETAIL A-A**  
SCALE: 1/4"=1"

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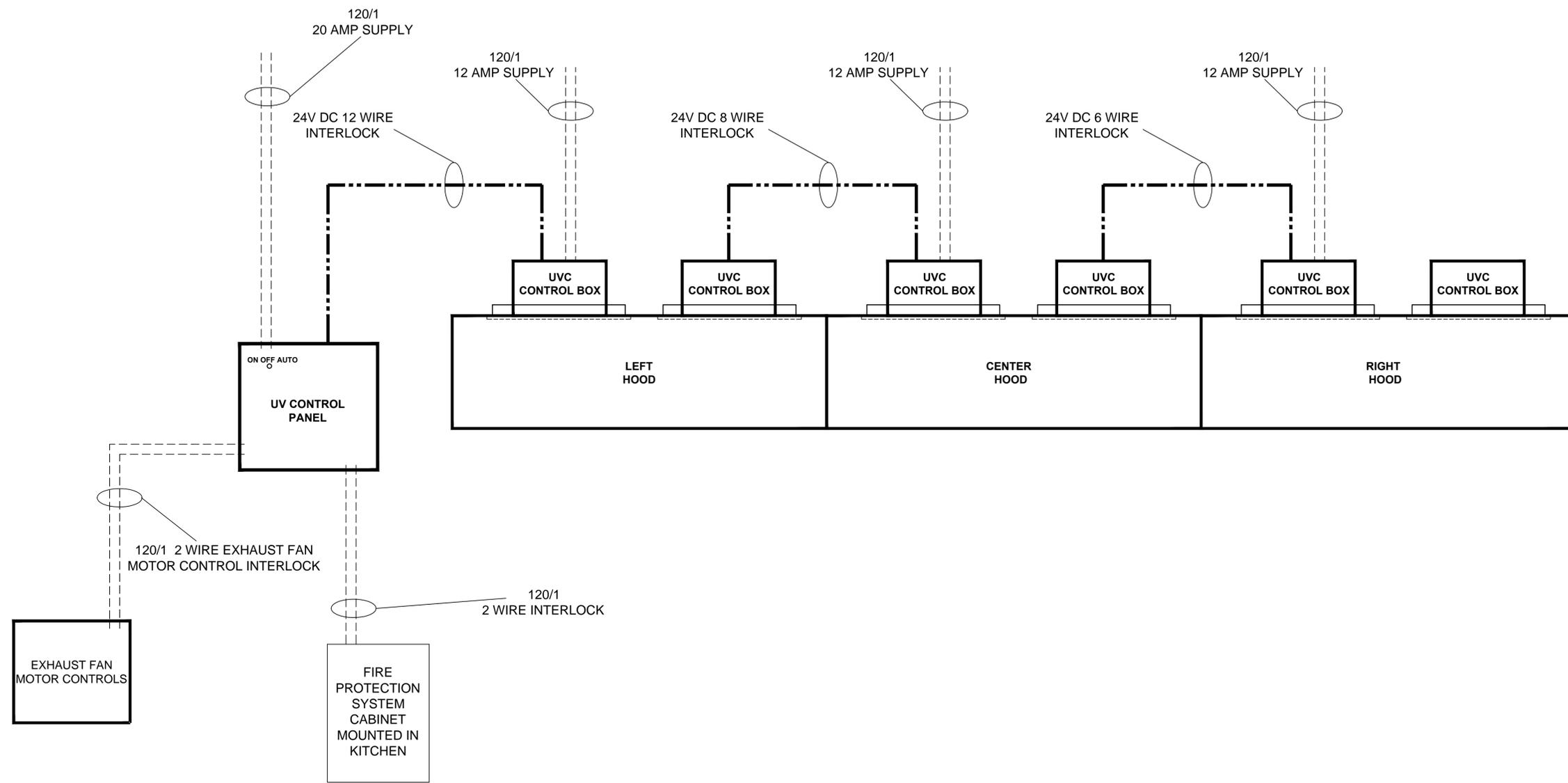
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ROUGH-IN SCHEDULE			REVISIONS			
SYM	QTY	DESCRIPTION	REV	DATE	BY	REMARKS
D	1	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD	A	1-10-06	BJW	FABRICATED PER APPROVED DRAWINGS
E	3	120V, 60HZ, 1PH, 1.44 K.W. CONNECTED LOAD (EACH)	B	5-9-06	BAH	NO CHANGES TO THIS SHEET
			<p><b>CADDY AirSystems</b> 509 SHARPTOWN ROAD P.O. BOX 345 BRIDGEPORT NJ 08014 Tel:(856) 467-4222 Fax:(856) 467-5511</p> <p><b>EQUIPMENT SCHEDULE</b></p> <p>SHBCU-C-ASI-124-ND-78</p> <p>CADDY NO. 2850-1 ITEM NO. 50</p> <p>JOB: REGIONAL SCHOOL DISTRICT # 10 MIDDLE/HIGH SCHOOL LOC: BURLINGTON, CONNECTICUT CUST: CUST#:</p>			
			DATE	10/07/05	SCALE	AS NOTED
			DR BY	DRA	APP'D BY	BJW
			<b>DWG# D-1-2850</b>			SHT 2 OF 7



# CADDY ULTRA SERIES HOOD SYSTEM FIELD WIRING DIAGRAM



120 VOLT SUPPLY AND INTERLOCK  
WIRING BY ELECTRICIAN  
NOTE : • 20 AMP 120/1 SUPPLY TO MAIN UV CONTROL  
• 12 AMP 120/1 SUPPLY TO EACH HOOD SECTION  
• 15 AMP 120/1 SUPPLY TO ONE HOOD SECTION FOR COOKING EQUIPMENT LIGHTS

----- 24 VOLT DC WIRING BY E.C.

LEGEND	
SYMBOL	DESCRIPTION
	FLUORESCENT VENTILATOR LIGHT
	100 WATT DOME INCANDESCENT VENTILATOR LIGHT
	150 WATT RECESSED INCANDESCENT VENTILATOR LIGHT
	BALLAST & CONTROL BOX FOR UVC LIGHT SYSTEM

### INSTALLATION INFORMATION

ALLOW SUFFICIENT AREA TO MOUNT UVC CONTROL BOX ON CLOSEST STRUCTURAL WALL TO VENTILATOR  
MAXIMUM UVC CONTROL BOX DIMENSIONS  
14" LONG x 6 3/8" DEEP x 16" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 30 LBS.

### GENERAL CONTRACT CONDITIONS

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REVISIONS			
REV	DATE	BY	REMARKS
A	1-10-06	BJW	FABRICATED PER APPROVED DRAWINGS
B	5-9-06	BAH	NO CHANGES TO THIS SHEET

**CADDY AirSystems**  
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P.O. BOX 345 BRIDGEPORT NJ 08014  
Tel:(856) 467-4222 Fax:(856) 467-5511

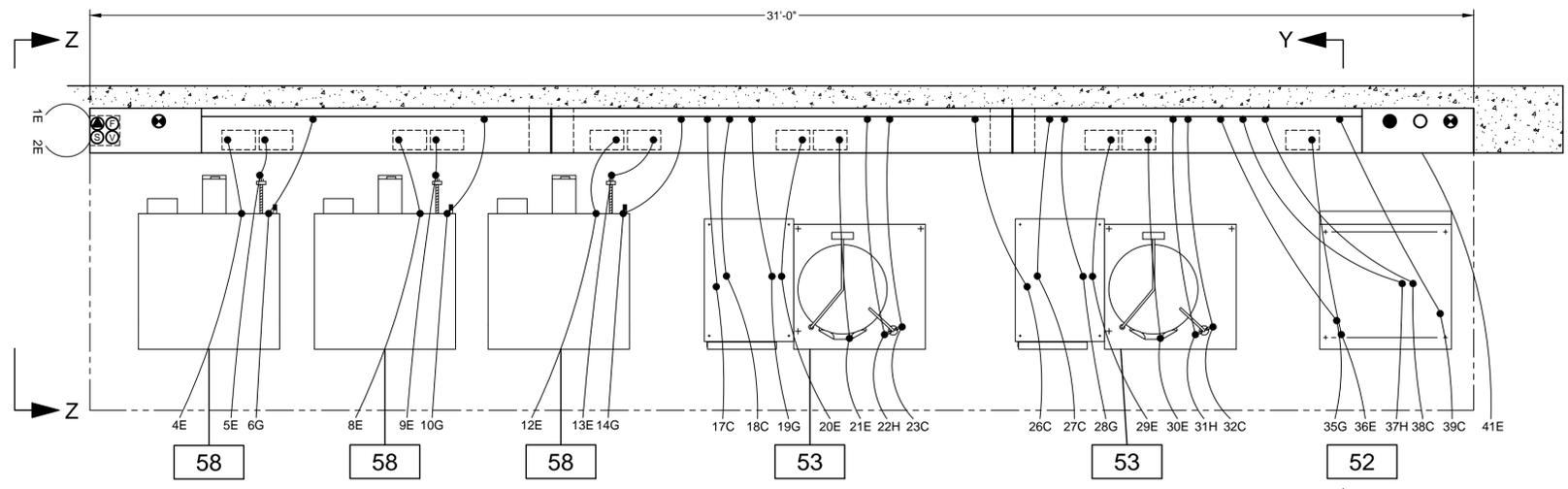
### EQUIPMENT SCHEDULE

FIELD WIRING REQUIREMENTS FOR THE UVC HOOD EQUIPMENT

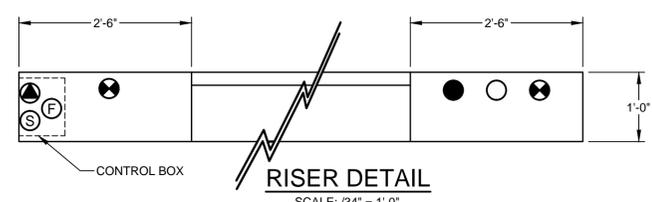
CADDY NO. 2850-2 ITEM NO. 50B

JOB: REGIONAL SCHOOL DISTRICT # 10  
MIDDLE/HIGH SCHOOL  
LOC: BURLINGTON, CONNECTICUT  
CUST:  
CUST#:

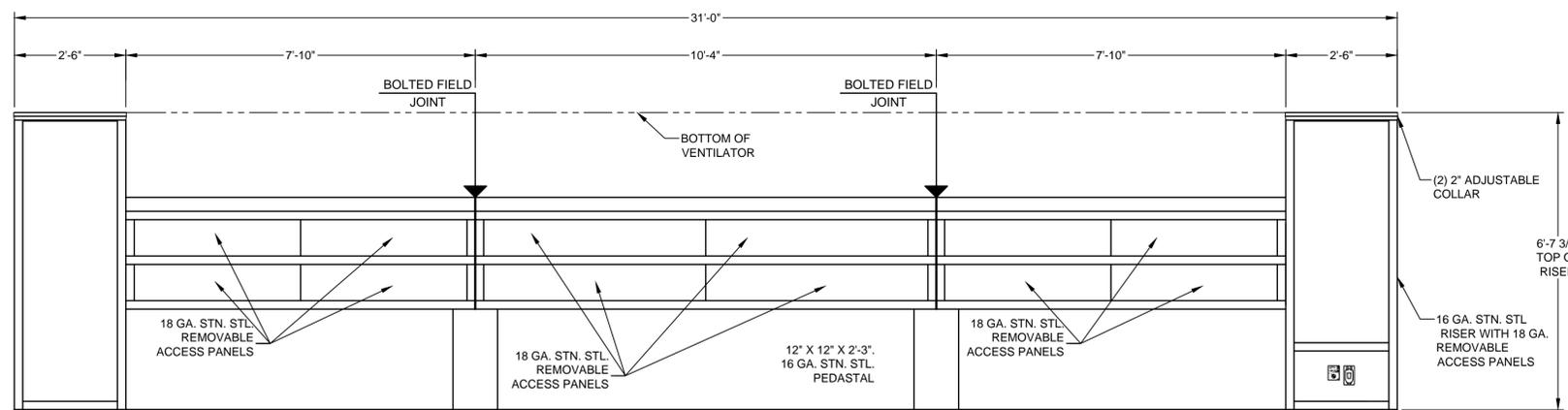




**PLAN VIEW**  
SCALE: 1/2" = 1'-0"

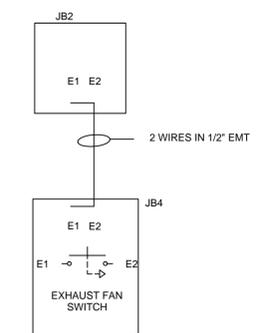


**RISER DETAIL**  
SCALE: 3/4" = 1'-0"

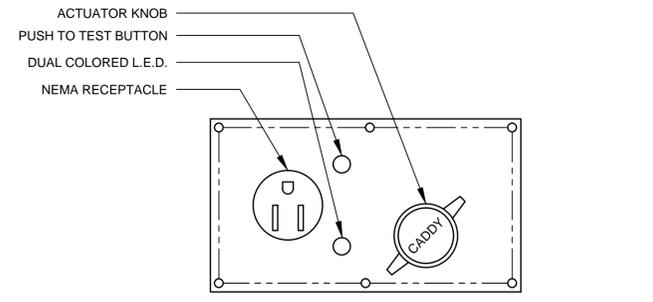


**ELEVATION VIEW**  
SCALE: 1/2" = 1'-0"

**CODE COMPLIANCE**  
THE UTILITY DISTRIBUTION SYSTEM SHALL BE U.L. LISTED UNDER THE CATEGORY "UTILITY DISTRIBUTION SYSTEM" AND MANUFACTURED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATES (NEMA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PAMPHLET NUMBER 96 AND 54, UNIFORM PLUMBING CODE (UPC), AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), NATIONAL SANITATION FOUNDATION (NSF), AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) USING ONLY U.L. LISTED, BUREAU OF MINES RATES, AGA CERTIFIED AND CGA CERTIFIED COMPONENTS.

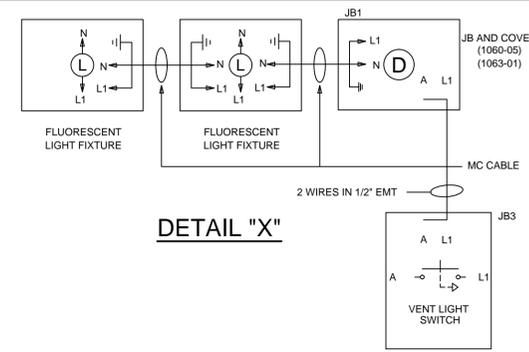


**DETAIL "Y"**

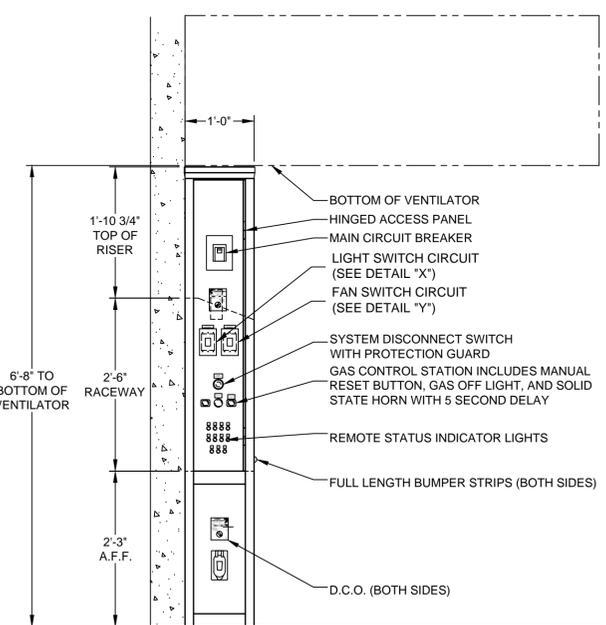


**TYPICAL CADDY CONNECTION PLATE**

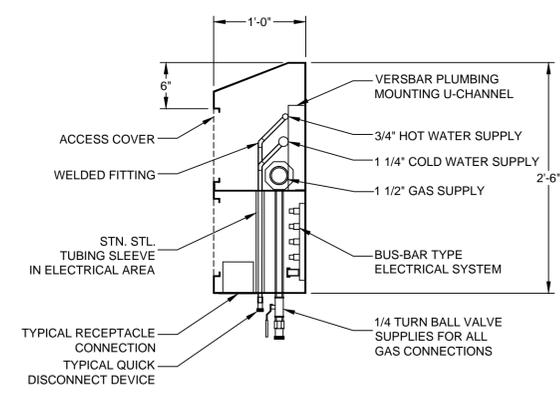
HOUSING POINT OF USE CIRCUIT BREAKER INCLUDES DUAL COLORED L.E.D., ACTUATOR KNOB, NEMA RECEPTACLE AND G.F.C.I. CIRCUIT. SHALL BE 5" x 9" AND MOUNTED AS SHOWN. (RECEPTACLE COVER NOT SHOWN.)



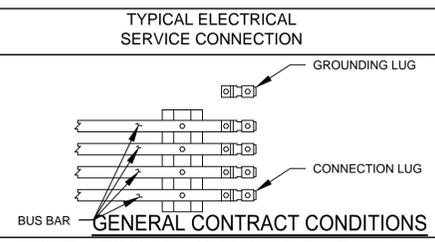
**DETAIL "X"**



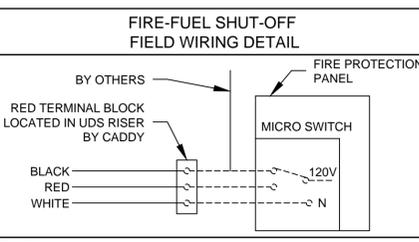
**END VIEW Z-Z**  
SCALE: 3/4" = 1'-0"



**SECTION Y-Y**  
SCALE: 1" = 1'-0"



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**NOTES**

- THIS UNIT IS TO BE SHIPPED IN THREE (3) PIECE(S) AS SHOWN IN PLAN VIEW. [ ] VERIFY FOR ENTRANCE INTO BUILDING AND UNIT AREA.
- [ ] VERIFY ROUGHING SCHEDULE.
- NAT'L SANITATION FOUNDATION-STANDARD #2-"FOOD SERVICE EQUIPMENT". UNIFORM BUILDING CODE (ICBO). UNDERWRITERS LAB INC., U.L. LISTED UNDER FILE #E60695.
- ALL "VERIFIES" ON THIS DRAWING MUST BE CONFIRMED. YOUR FABRICATION APPROVAL SHALL INDICATE YOUR ACCEPTANCE AS SHOWN.
- ELECTRICAL CONTRACTOR MUST ROUGH-IN UP TO THE BUS-BAR CONNECTION LUGS. APPROXIMATE 36" A.F.F.

**ROUGH-IN SCHEDULE**

SYM	QTY	DESCRIPTION	PLEASE SPECIFY		
			CEILING	FLOOR	OTHER
⊕	1	120/208V, 3Ø, 60Hz, .50 AMPS			
⊗	2	2" GAS SUPPLY 1,415 MBH (LOOPED)			
●	1	3/4" HOT WATER SUPPLY			
○	1	1 1/4" COLD WATER SUPPLY			
ⓔ	1	FIRE FUEL SHUT-OFF SEE DETAIL			
Ⓢ	1	VENT. LIGHT SWITCH			
Ⓥ	1	VENT. FAN SWITCH			

**REVISIONS**

REV	DATE	BY	REMARKS
A	1-12-06	BLW	NO CHANGES TO THIS SHEET
B	5-9-06	BAH	REMOVED (3) 3/8" COLD WATER FILTERS FROM UDS. ADDED (3) 1/4" COLD WATER DROPS PER APPROVED DRAWING RECEIVED 5/24/06.

**CADDY Air Systems**  
509 SHARPTOWN ROAD  
P.O. BOX 345 BRIDGEPORT NJ 08014  
Tel:(856) 467-4222 Fax:(856) 467-5511

**EQUIPMENT SCHEDULE**

CA-WL-EGW-031  
LENGTH 31'-0"

CADDY NO. 2850-3 ITEM NO. 51

JOB: REGIONAL SCHOOL DISTRICT # 10  
MIDDLE/HIGH SCHOOL  
LOC: BURLINGTON, CONNECTICUT  
CUST:  
CUST#:

DATE 10/07/05 SCALE AS NOTED  
DR BY DRA APP'D BY *BjW*

**DWG# D-1-2850** SHT 4 OF 7

CONNECTION LEGEND			
E=ELECTRICAL	G=GAS	SS=SUPERSWIVEL	CF=CIMFAST
S=STEAM WATER	R=STEAM RETURN	DS=DOUBLE SUPERSWIVEL	GF=GROUND FAULT
H=HOT WATER	C=COLD WATER	QD=QUICK DISCONNECT	HC=HARD CONN.

# SCHEDULE OF UTILITY CONNECTIONS

CONN. NO.	ITEM NO.	EQUIPMENT DESCRIPTION	ELECTRICAL						GAS		STEAM		WATER		CONNECTIONS			FIRE FUEL SHUT-OFF	ELECTRIC RESISTANT	SERVICE		
			KW	AMPS	VOLTS	Ø	BREAKER AMPS	NEMA NO.	OUTLET NO.	BTU'S PER HOUR	IPS	TRANSITION SIZE	LBS PER HOUR AT 40 PSI	SUPPLY IPS	RETURN IPS	TRANSITION SIZE	HOT				COLD	CONNECTION TYPE
1E	51	U.D.S. DUPLEX CONVENIENCE OUTLET	1.5	12	120	1	15	5-15R	5262									DIRECT		GF	X	
2E	50	VENTILATOR LIGHT SWITCH	1.5	12	120	1	15										DIRECT		GF	X		
3																						
4E	58	SOUTHBEND SLGB22SC CONV. OVEN	.95	7.9	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
5E	58	SOUTHBEND SLGB22SC CONV. OVEN	.95	7.9	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
6G	58	SOUTHBEND SLGB22SC CONV. OVEN								144,000	3/4"						HOSE	5'-0"	QD	X	X	
7																						
8E	58	SOUTHBEND SLGB22SC CONV. OVEN	.95	7.9	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
9E	58	SOUTHBEND SLGB22SC CONV. OVEN	.95	7.9	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
10G	58	SOUTHBEND SLGB22SC CONV. OVEN								144,000	3/4"						HOSE	5'-0"	QD	X	X	
11																						
12E	58	SOUTHBEND SLGB22SC CONV. OVEN	.95	7.9	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
13E	58	SOUTHBEND SLGB22SC CONV. OVEN	.95	7.9	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
14G	58	SOUTHBEND SLGB22SC CONV. OVEN								144,000	3/4"						HOSE	5'-0"	QD	X	X	
15																						
16																						
17C	53	CLEVELAND 24-CGP-10 STEAMER														3/8"	HOSE	5'-0"	QD			
18C	53	CLEVELAND 24-CGP-10 STEAMER														3/8"	HOSE	5'-0"	QD			
19G	53	CLEVELAND 24-CGP-10 STEAMER								240,000	1"	3/4"					HOSE	5'-0"	QD	X	X	
20E	53	CLEVELAND 24-CGP-10 STEAMER	.15	1.25	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
21E	53	CLEVELAND KDM-40-T	0.6	5	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
22H	53	CLEVELAND KDM-40-T													1/2"		HOSE	5'-0"	QD			
23C	53	CLEVELAND KDM-40-T													1/2"		HOSE	5'-0"	QD			
24																						
25																						
26C	53	CLEVELAND 24-CGP-10 STEAMER														3/8"	HOSE	5'-0"	QD			
27C	53	CLEVELAND 24-CGP-10 STEAMER														3/8"	HOSE	5'-0"	QD			
28G	53	CLEVELAND 24-CGP-10 STEAMER								240,000	1"	3/4"					HOSE	5'-0"	QD	X	X	
29E	53	CLEVELAND 24-CGP-10 STEAMER	.15	1.25	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
30E	53	CLEVELAND KDM-40-T	0.6	5	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
31H	53	CLEVELAND KDM-40-T													1/2"		HOSE	5'-0"	QD			
32C	53	CLEVELAND KDM-40-T													1/2"		HOSE	5'-0"	QD			
33																						
34																						
35G	52	CLEVELAND 36-GM-K66-200								220,000	1"	3/4"					HOSE	5'-0"	QD	X	X	
36E	52	CLEVELAND 36-GM-K66-200	.025	.21	120	1	15	5-15	5261								CORD & PLUG	6'-0"	GF	X		
37H	52	CLEVELAND 36-GM-K66-200														1/4"	HOSE	5'-0"	QD			
38C	52	CLEVELAND 36-GM-K66-200														1/4"	HOSE	5'-0"	QD			
39C	52	CLEVELAND 36-GM-K66-200														1/4"	HOSE	5'-0"	QD			
40																						
41E	51	U.D.S. DUPLEX CONVENIENCE OUTLET	1.5	12	120	1	15	5-15R	5262								DIRECT		GF	X		

AT TIME OF UDS MANUFACTURING, EVERPURE KLEENSTEAM #AR-X 9797-00 TO BE FURNISHED BY K.E.C. AND INSTALLED BY CADDY.

NOTE:  
MAIN CIRCUIT BREAKER FURNISHED AND INSTALLED BY CADDY.

\* - AT TIME OF UDS MANUFACTURING, EVERPURE KLEENSTEAM #AR-X 9797-00 TO BE HARD CONNECTED TO THE U.D.S. BY CADDY.

NOTE:  
PLEASE SPECIFY MAKE, MODEL NUMBER, ELECTRICAL AND PLUMBING CHARACTERISTICS OF ALL ITEMS PLUGGING INTO RACEWAY.

\*\* - AT TIME OF UDS INSTALLATION, CONNECTION FROM EVERPURE KLEENSTEAM #AR-X 9797-00 TO CONVECTION STEAMER WILL BE FULL RESPONSIBILITY OF THE K.E.C. MATERIALS FOR THIS CONNECTION NOT PROVIDED BY CADDY.

## INSTALLATION NOTES:

- GENERAL CONDITIONS:**
- ALL U.D.S. ELECTRIC AND PLUMBING WORK COMPLIES WITH THE FOLLOWING CODES: UNDERWRITERS LABORATORY STANDARDS, NATIONAL ELECTRICAL CODE, NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), NO. 54, AND NO. 96, AMERICAN GAS ASSOCIATION, AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
  - ANY VARIANCES WITH CODES LISTED ABOVE MUST BE MADE KNOWN TO U.D.S. MANUFACTURER PRIOR TO FABRICATION.
  - SIZE OF BUS-BARS ON TOTAL CONNECTED LOAD AS SHOWN IN SCHEDULE, U.D.S. MANUFACTURER MUST BE NOTIFIED, PRIOR TO FABRICATION, IF ADDITIONAL LOADS ARE REQUIRED; IT WILL BE THE OPTION OF THE U.D.S. MANUFACTURER TO ACCEPT OR REJECT THE CHANGES.
  - U.D.S. MANUFACTURER WILL VOID ALL GUARANTEES, AND WILL NOT BE HELD RESPONSIBLE FOR CONTINUED SAFE ELECTRICAL OPERATION, IF FOOD SERVICE EQUIP. CONTRACTOR ADDS ELECTRICAL ASSEMBLIES EXCEEDING BUS-BAR CAPACITY, AFTER UTILITY DISTRIBUTION SYSTEM HAS LEFT THE FACTORY.
  - UTILITY DISTRIBUTION MANUFACTURER IS ONLY RESPONSIBLE FOR WIRING AND PLUMBING FURNISHED AS PART OF THE UTILITY DISTRIBUTION SYSTEM, ANY ADDITIONAL WIRING AND PLUMBING AT THE INSTALLATION SITE IS THE RESPONSIBILITY OF THE FOOD SERVICE EQUIP. CONTRACTOR.
  - THE UTILITY DISTRIBUTION SYSTEMS EXTERNAL ENCLOSURE SHALL BE FABRICATED FROM NO. 16 GAUGE, NO.304 STAINLESS STEEL HAVING A NO. 4 FINISH UNLESS OTHERWISE SPECIFIED.
  - GROUND FAULT INTERRUPTION FOR PERSONNEL PROTECTION TO BE PROVIDED FOR SINGLE AND TWO POLE BREAKERS 120/208-1 PHASE UP TO 30 AMPS. BY U.D.S. MANUFACTURER.
  - PLUMBING TRANSITIONS FROM U.D.S. MANUFACTURER SUPPLIED GAS HOSES TO F.S.E.C. VERIFIED EQUIPMENT SHALL BY INSTALLED ON HOSES AT TIME OF FABRICATION.

## FOOD SERVICE EQUIP. CONTRACTOR:

- VERIFY MAKE MODEL AND UTILITY REQUIREMENTS FOR ALL EQUIPMENT LISTED ON SCHEDULE, ALSO SUBMIT CUT SHEETS.
- INDICATE FIELD JOINT LOCATION(S), IF REQUIRED, TO ACCOMMODATE FOR BUILDING ENTRANCE, AND INSTALLATION AREA.
- VERIFY ALL ROUGH-IN REQUIREMENTS OF UTILITY DISTRIBUTION SYSTEM.
- INDICATE ELECTRICAL REQUIREMENTS FOR VENTILATOR EXHAUST AND SUPPLY BLOWER(S).
- ALL U.D.S. MANUFACTURERS DRAWINGS MUST BE SUBMITTED TO LOCAL ELECTRICAL AND PLUMBING AGENCIES FOR APPROVAL PRIOR TO FABRICATION.
- THE DIMENSIONS SHOWN, UNLESS CORRECTED, SHALL BE DEEMED CORRECT UPON RECEIPT OF APPROVAL DRAWING(S).
- ASSEMBLE AND SET UTILITY DISTRIBUTION SYSTEM.
- REMOVE AND REPLACE ALL ACCESS PANELS AND ENCLOSURES SO FIELD SPLICES AND CONNECTIONS CAN BE MADE BY OTHER TRADES.
- CONNECT GAS OPERATED FOOD SERVICE EQUIPMENT WITH EQUIPMENT RETRAINING DEVICES AS PROVIDED WITH THE UTILITY DISTRIBUTION SYSTEM AND ADJUST HOSE LENGTH SO RETAINERS OPERATE EFFECTIVELY.

## ELECTRICAL CONTRACTOR:

- PROVIDE AND INSTALL ELECTRICAL SERVICE TO U.D.S. TERMINAL BLOCKS OR CONNECTING LUGS AS INDICATED ON OUR DRAWINGS.
- CONNECT ALL ELECTRICAL FIELD JOINTS (WHICH INCLUDE RECONNECTING QUICK DISCONNECT SNAP PLUG-IN CONNECTORS FOR CONTROL WIRING AND BOLT IN BUS-BAR SPLICES SUPPLIED WITH THE U.D.S. WHEN APPLICABLE).
- CONNECT FROM FIRE EXTINGUISHING SYSTEMS MICRO-SWITCH OR RELAY TO U.D.S. TERMINAL STRIP.
- RECONNECT MAIN FEED WIRE SEALTIGHT AND ENCLOSED WIRES FROM MAIN CIRCUIT BREAKER TO RACEWAY BUS-BAR FOLLOWING WIRING COLOR CODE.
- CONNECT ALL ELECTRICAL ASSEMBLIES TO FOOD SERVICE EQUIPMENT JUNCTION BOXES, AND TO UTILITY DISTRIBUTION SYSTEM.
- INSPECT FOR, AND TIGHTEN ANY LOOSE CONNECTIONS CAUSED BY SHIPPING.
- CONNECT LOAD SIDE OF OPTIONAL MAGNETIC STARTER(S) IN VERTICAL CHASE TO EXHAUST AND SUPPLY FAN MOTOR(S).
- CONNECT VENTILATOR LIGHT SWITCH(ES) IN VERTICAL CHASE TO JUNCTION BOX(ES) ON VENTILATOR.
- ROVIDE FIELD SERVICE ENTRANCE KNOCKOUTS AS REQUIRED.
- PROVIDE PROPER SERVICE FEEDS AND NECESSARY OVER CURRENT PROTECTION DEVICES IN ACCORDANCE WITH APPLICABLE CODES.

- ALL CORDS WITH PLUGS ARE LIMITED BY CODES IN MOST AREAS TO 6'-0" MAXIMUM IN LENGTH. WHERE THIS IS EXCEEDED THE ELECTRICIAN MUST EXTEND THE FEEDS TO ACCOMMODATE THIS CONDITION.

## PLUMBING CONTRACTOR:

- PROVIDE AND INSTALL U.D.S. FLEXIBLE DRAIN LINE(S) FROM VENTILATOR TO FLOOR FUNNEL TYPE DRAIN(S).
- CONNECT ALL INCOMING SERVICE PIPING TO VERTICAL CHASE AS SHOWN ON U.D.S. MANUFACTURERS DRAWINGS.
- CONNECT ALL PLUMBING FIELD JOINTS IN UTILITY DISTRIBUTION SYSTEM.
- CONNECT ALL FLEXIBLE HOSE ASSEMBLIES TO FOOD SERVICE EQUIPMENT, AND TO UTILITY DISTRIBUTION SYSTEM.
- INSPECT FOR, AND TIGHTEN ANY LOOSE PLUMBING CONNECTIONS CAUSED BY SHIPPING.
- PROVIDE ALL NECESSARY FITTINGS AND REDUCERS REQUIRED TO OPERATE EQUIPMENT SERVICED BY UTILITY DISTRIBUTION SYSTEM.
- ALL HOSES ARE LIMITED BY CODE IN MOST AREAS TO 6'-0" MAXIMUM LENGTH. WHERE THIS IS EXCEEDED THE PLUMBER MUST EXTEND THE FEEDS TO ACCOMMODATE THIS CONDITION.
- PLUMBING MATERIAL REQUIRED TO CONNECT FROM THE COOKING EQUIPMENT TO THE U.D.S. HOSES SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR. THE U.D.S. MANUFACTURER IS NOT RESPONSIBLE FOR THIS EXPENSE.
- PRESSURE CHECK ALL PLUMBING LINES AFTER ALL OF THE U.D.S. FIELD JOINTS HAVE BEEN MADE UP. THE U.D.S. MANUFACTURER IS NOT RESPONSIBLE FOR THIS CHECK OUT OR ANY INCURRED EXPENSES.
- CONNECT ALL PLUMBING TRANSITIONS ON U.D.S. MANUFACTURER SUPPLIED HOSES TO F.S.E.C. VERIFIED EQUIPMENT.

## EQUIPMENT NOTES:

- 120/208 3 PHASE POWER MUST BE THE WYE STYLE CONFIGURATION (DELTA CONFIGURATION WOULD NOT APPLY).
- MAIN BREAKER INSIDE U.D.S. IS TO HAVE A SHUNT TRIP OPTION.
- ALL WIRING TO BE THHN.

REVISIONS			
REV	DATE	BY	REMARKS
A	1-12-06	BLJW	NO CHANGES TO THIS SHEET
B	5-9-06	BAH	REMOVED (3) 3/8" COLD WATER FILTERS FROM UDS. ADDED (3) 1/4" COLD WATER DROPS PER APPROVED DRAWING RECEIVED 5/24/06.
DATE	10/07/05	SCALE	AS NOTED
DR BY	DRA	APP'D BY	<i>BJW</i>



509 SHARPTOWN ROAD  
P.O. BOX 345 BRIDGEPORT NJ 08014  
Tel:(856) 467-4222 Fax:(856) 467-5511

**EQUIPMENT SCHEDULE**

CA-WL-EGW-031  
LENGTH 31'-0"

CADDY NO. 2850-3      ITEM NO. 51

JOB: REGIONAL SCHOOL DISTRICT # 10  
MIDDLE/HIGH SCHOOL  
LOC: BURLINGTON, CONNECTICUT  
CUST:  
CUST#:

**DWG#D-1-2850**

SHT 5  
OF 7

**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.

**ALL UTILITIES  
DOWN FROM ABOVE**

**ELECTRICAL CONTRACT REQUIREMENTS**

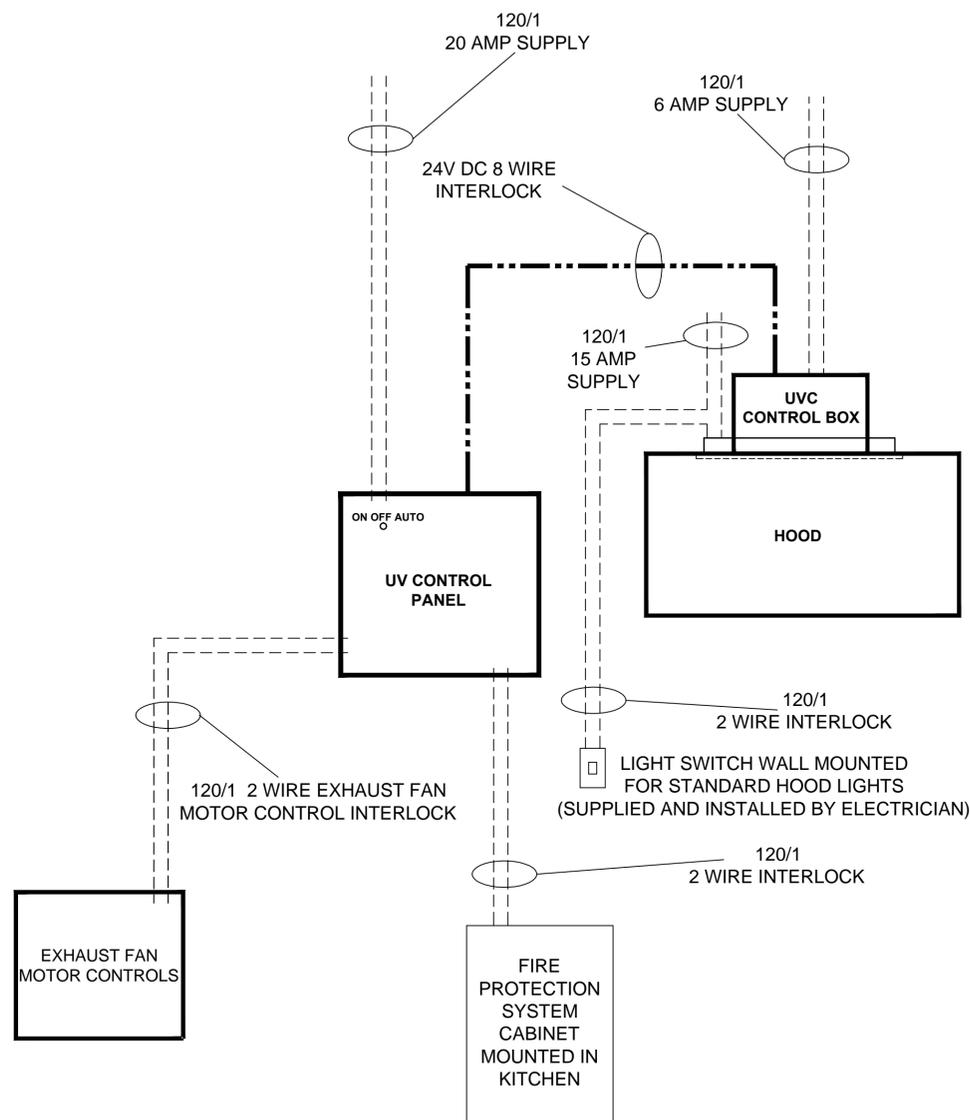
- INSPECT FOR LOOSE CONNECTIONS (CAUSED BY SHIPPING) AND TIGHTEN AS REQUIRED.
- PROVIDE AND INSTALL MAIN SERVICE FEEDER AND OVERCURRENT PROTECTION DEVICES RATED AT A CONTINUOUS OPERATING LOAD FOR EACH ELECTRICAL ROUGHING. SIZES INDICATED HAVE BEEN CALCULATED AT 125% OF THEIR CONTINUOUS LOAD. THIS ALLOWS FOR DERATING PER N.E.C.
- INSTALL ELECTRICAL SERVICE FROM STUB-IN LOCATION (SEE SHEET 1) TO CADDY TERMINALS. PROVIDE CONDUIT AND WIRING.
- PROVIDE AND INSTALL 120V 1PH FIRE-FUEL SHUT-OFF CIRCUIT IN 1/2" CONDUIT FROM FIRE EXTINGUISHING SYSTEM IN BUILDING TO RED TERMINAL BLOCK IN CADDY UTILITY DISTRIBUTION SYSTEM. CIRCUIT POWER AND BREAKER SUPPLIED BY OTHERS EXTERNAL OF RACEWAY.

**PLUMBING CONTRACT REQUIREMENTS**

- PROVIDE AND INSTALL SERVICE SUPPLY PIPES FROM STUB-IN LOCATION TO PIPES IN CADDY ENERGY DISTRIBUTION SYSTEM FOR EACH PLUMBING ROUGHING.
- INSTALL CADDY HOSE ASSEMBLIES FROM CADDY ENERGY DISTRIBUTION SYSTEM TO APPROPRIATE PIECES OF EQUIPMENT PER THIS SUBMISSION DRAWING. PROVIDE AND INSTALL NECESSARY PLUMBING FITTINGS TO PRESENT A NEAT APPEARANCE AND TO INSURE THAT CADDY HOSE ASSEMBLIES DO NOT TOUCH THE FLOOR.
- TEST INTERNAL PIPING SYSTEM FOR LEAKS (CAUSED BY SHIPPING) AND TIGHTEN AS REQUIRED.
- PROVIDE AND INSTALL PRESSURE REGULATORS FOR APPROPRIATE EQUIPMENT, IF NECESSARY.



# CADDY ULTRA SERIES HOOD SYSTEM FIELD WIRING DIAGRAM



120 VOLT SUPPLY AND INTERLOCK WIRING BY ELECTRICIAN  
 --- FLUORESCENT VENTILATOR LIGHT  
 --- 100 WATT DOME INCANDESCENT VENTILATOR LIGHT  
 --- 150 WATT RECESSED INCANDESCENT VENTILATOR LIGHT  
 [UVC CONTROL BOX] BALLAST & CONTROL BOX FOR UVC LIGHT SYSTEM  
 - - - - - 24 VOLT DC WIRING BY E.C.

NOTE : • 20 AMP 120/1 SUPPLY TO MAIN UV CONTROL  
 • 6 AMP 120/1 SUPPLY TO EACH HOOD SECTION  
 • 15 AMP 120/1 SUPPLY TO ONE HOOD SECTION FOR COOKING EQUIPMENT LIGHTS

LEGEND	
SYMBOL	DESCRIPTION
	FLUORESCENT VENTILATOR LIGHT
	100 WATT DOME INCANDESCENT VENTILATOR LIGHT
	150 WATT RECESSED INCANDESCENT VENTILATOR LIGHT
	BALLAST & CONTROL BOX FOR UVC LIGHT SYSTEM

### INSTALLATION INFORMATION

ALLOW SUFFICIENT AREA TO MOUNT UVC CONTROL BOX ON CLOSEST STRUCTURAL WALL TO VENTILATOR  
 MAXIMUM UVC CONTROL BOX DIMENSIONS  
 14" LONG x 6 3/8" DEEP x 16" HIGH  
 ESTIMATED TOTAL HANGING WEIGHT: 30 LBS.

### 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.



REVISIONS			
REV	DATE	BY	REMARKS
A	1-9-06	BJW	FABRICATED PER APPROVED DRAWINGS
B	5-9-06	BAH	NO CHANGES TO THIS SHEET

**CADDY AirSystems**  
 509 SHARPTOWN ROAD  
 P.O. BOX 345 BRIDGEPORT NJ 08014  
 Tel:(856) 467-4222 Fax:(856) 467-5511

**EQUIPMENT SCHEDULE**

FIELD WIRING REQUIREMENTS FOR THE UVC HOOD EQUIPMENT

CADDY NO. 2850-5 ITEM NO. 77B

JOB: REGIONAL SCHOOL DISTRICT # 10  
 MIDDLE/HIGH SCHOOL  
 LOC: BURLINGTON, CONNECTICUT  
 CUST:  
 CUST#:

DATE	10/07/05	SCALE	AS NOTED	DWG# D-1-2850	SHT 7 OF 7
DR BY	DRA	APP'D BY	BJW		