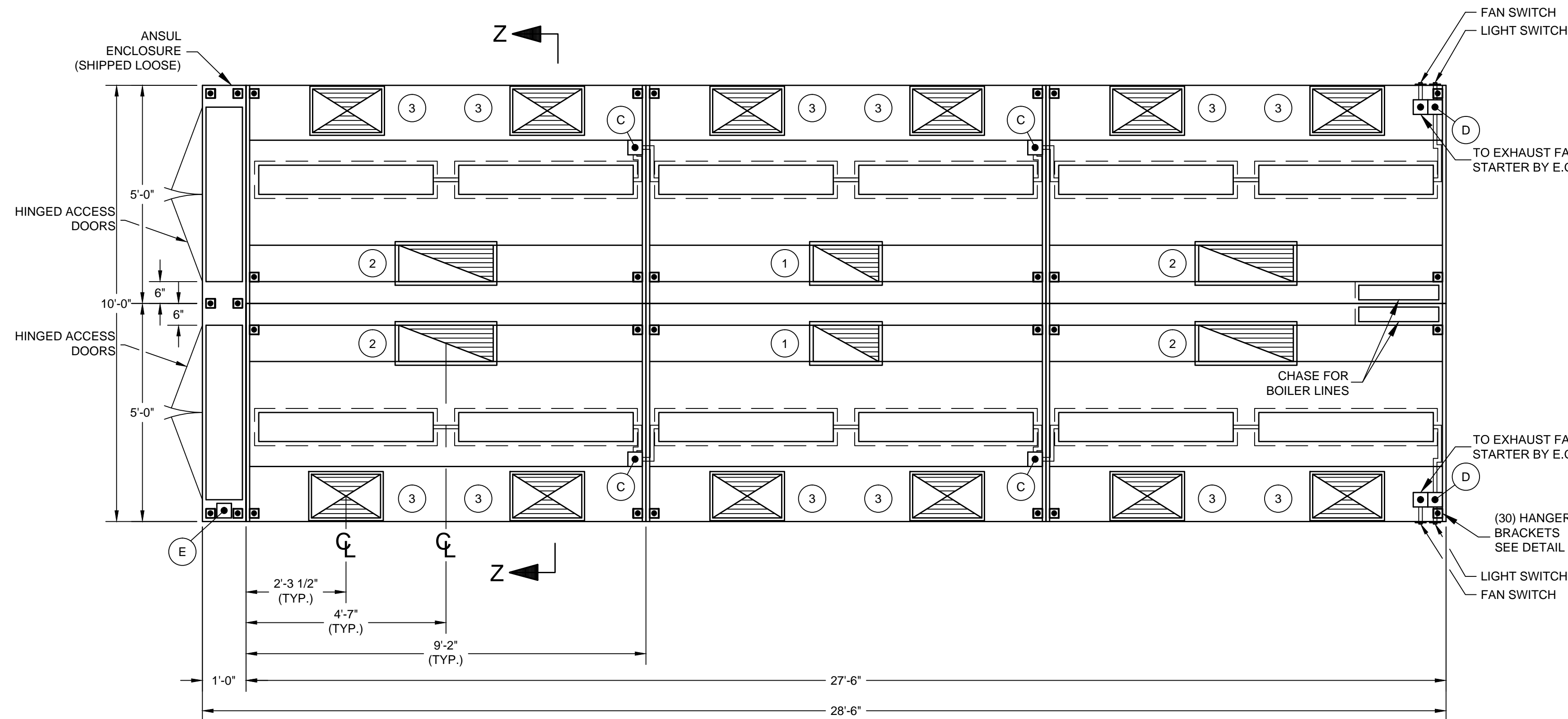


**CONTRACTOR NOTE:**

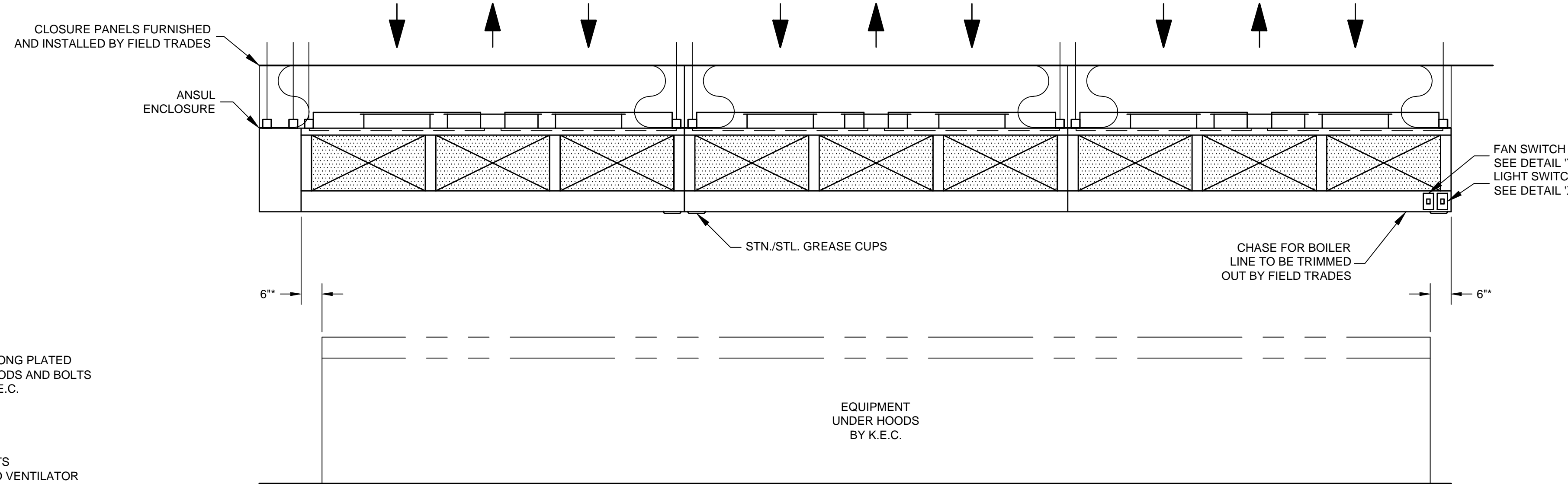
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

**MAKE-UP AIR NOTE:**

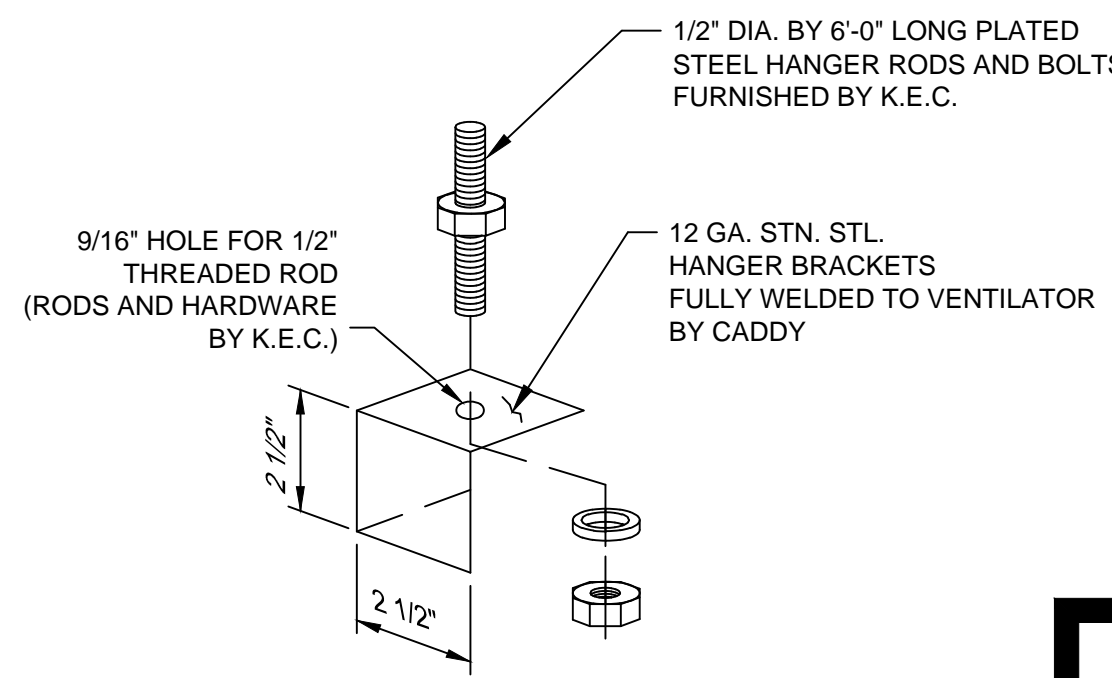
AIR TEMPERATURE SHOULD RANGE FROM 60° TO 65° F, BUT MAY BE AS LOW AS 50° F DEPENDING ON AIR VOLUME, DISTRIBUTION, AND INTERNAL HEAT LOAD



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



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



**HANGER BRACKET DETAIL**  
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"**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
9'-2" LONG x 5'-0" WIDE x 28 1/2" HIGH  
MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
10'-0" LONG x 1'-0" WIDE x 28 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 4,850 LBS.

VENTILATOR TO BE SHIPPED IN (7) 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 FROM LIGHT SWITCH TO J-BOX BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
  2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

TOTAL EXHAUST : 17,420 C.F.M.  
TOTAL SUPPLY : 13,920 C.F.M.

- |   |                                                           |   |                                                          |
|---|-----------------------------------------------------------|---|----------------------------------------------------------|
| 1 | 10" X 18" EXHAUST DUCTS<br>2,290 C.F.M. EACH @ 1.60' S.P. | 3 | 12" X 19" SUPPLY DUCTS<br>1,160 C.F.M. EACH @ 0.20' S.P. |
| 2 | 10" X 26" EXHAUST DUCTS<br>3,210 C.F.M. EACH @ 1.60' S.P. |   |                                                          |

**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 MH8215 and MH12264
- 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)



REVISIONS			
REV	DATE	BY	REMARKS
A	8-14-03	AGR	ADDED CLOSURE PANELS
B	12-8-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-6 ITEM NO. 127

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #1)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

**DWG# D-1-06608**

ROUGH-IN SCHEDULE	
SYM	DESCRIPTION
D 2	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD (EACH)
E 1	120V, 60HZ, 1PH, 15 A. SERVICE TO ANSUL
	SYSTEM BY E.C.

**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.

**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED FROM LIGHT SWITCH TO J-BOX BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.

**MAKE-UP AIR REQUIREMENTS:**

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.
1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

1. 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.).

1. 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.
2. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

**CONSTRUCTION:**

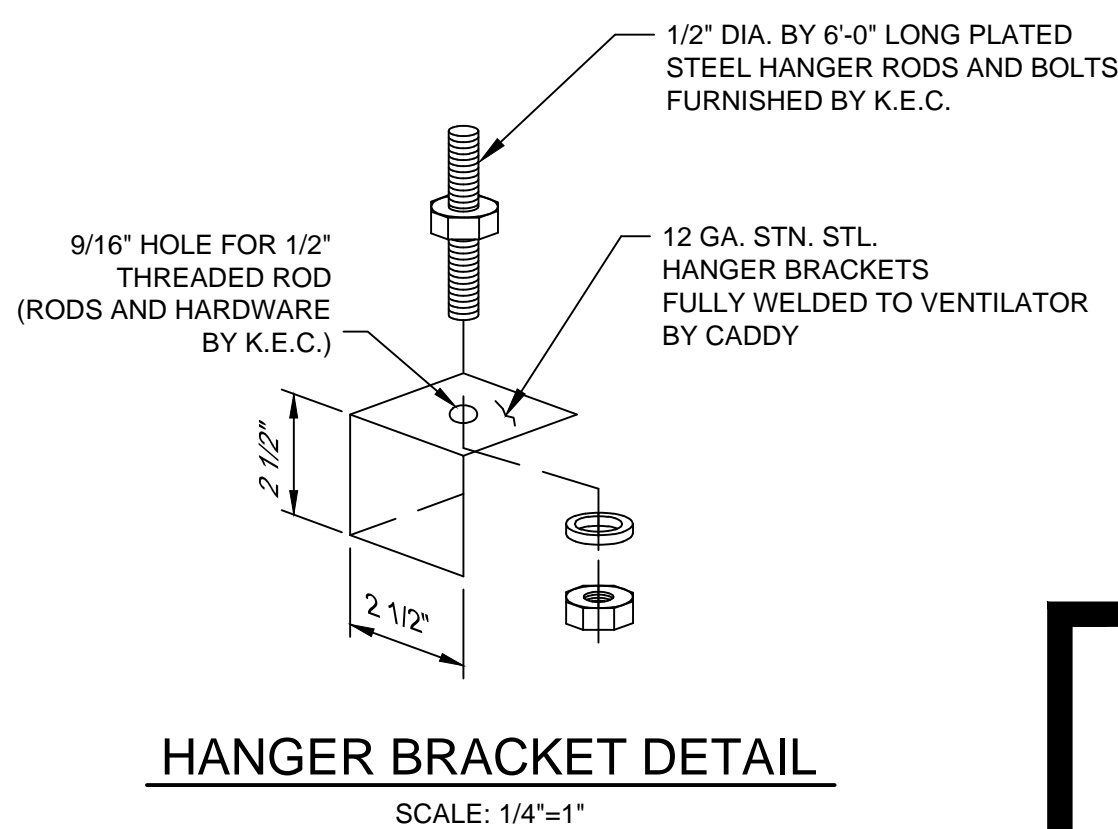
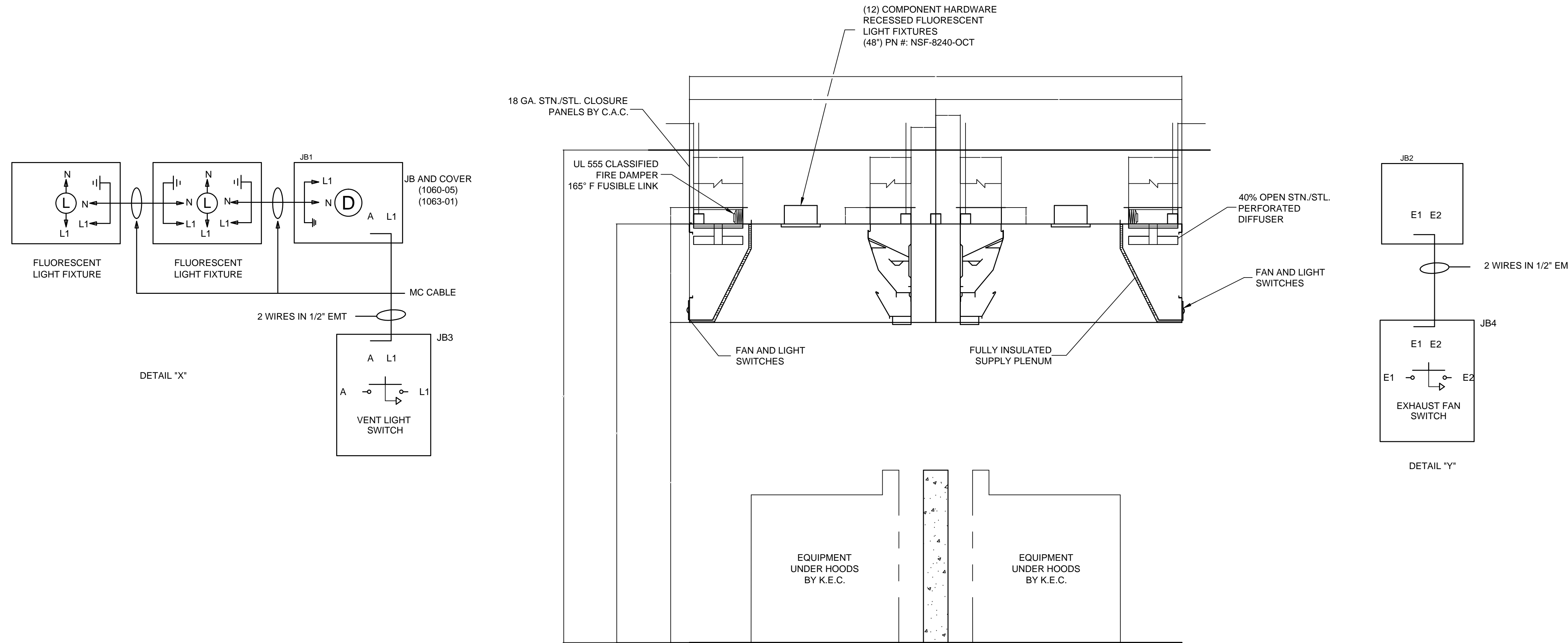
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL, TYPE 304 NO. 4 FINISH.

**FIRE PROTECTION:**

1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
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 U.L. 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 K.E.C.



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  
 9'-2" LONG x 5'-0" WIDE x 28 1/2" HIGH  
 MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
 10'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
 ESTIMATED TOTAL HANGING WEIGHT: 4,850 LBS.

VENTILATOR TO BE SHIPPED IN (7) UNITS.  
 ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

ROUGH-IN SCHEDULE		DATE	BY	REMARKS
SYM	QTY			DESCRIPTION
D	2			120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD (EACH)
E	1			120V, 60HZ, 1PH, 15 A. SERVICE TO ANSUL
				SYSTEM BY E.C.

REVISIONS				
REV	DATE	BY	REMARKS	
A	8-14-03	AGR	ADDED CLOSURE PANELS	
B	12-8-03	BJW	FABRICATED PER APPROVED DRAWINGS	

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-6 ITEM NO. 127

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #1)  
 LOC: CINCINNATI, OH  
 CUST:  
 CUST#:

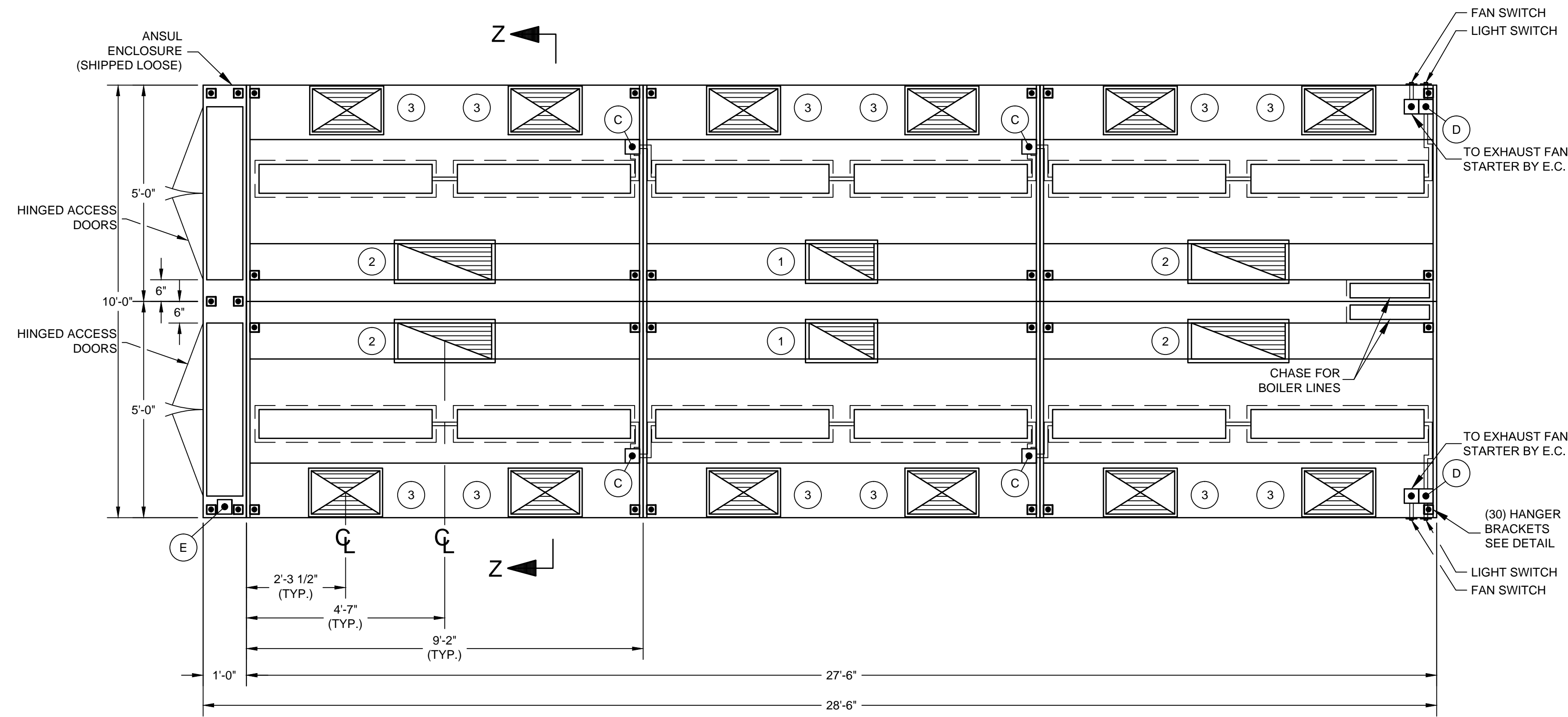
DATE: 06/23/03 SCALE: AS NOTED  
 DR BY: BJW APP'D BY:

**DWG# D-1-06608** SHT 2 OF 39

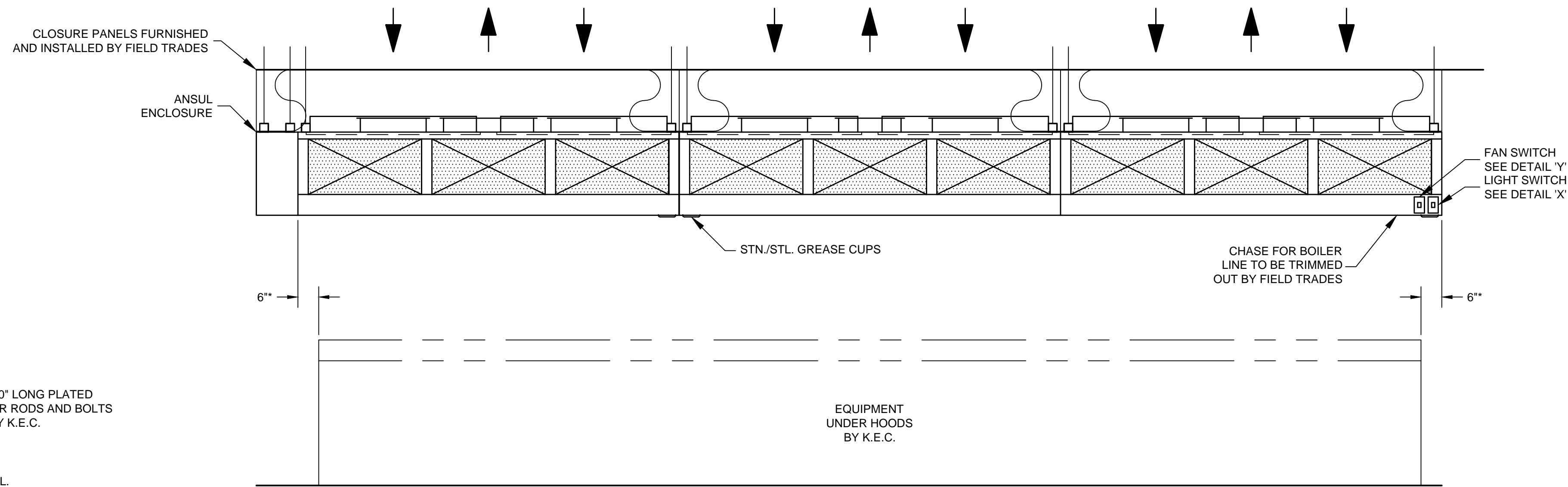
**GENERAL CONTRACT CONDITIONS**  
 ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INsofar AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY 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.

**CONTRACTOR NOTE:**  
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

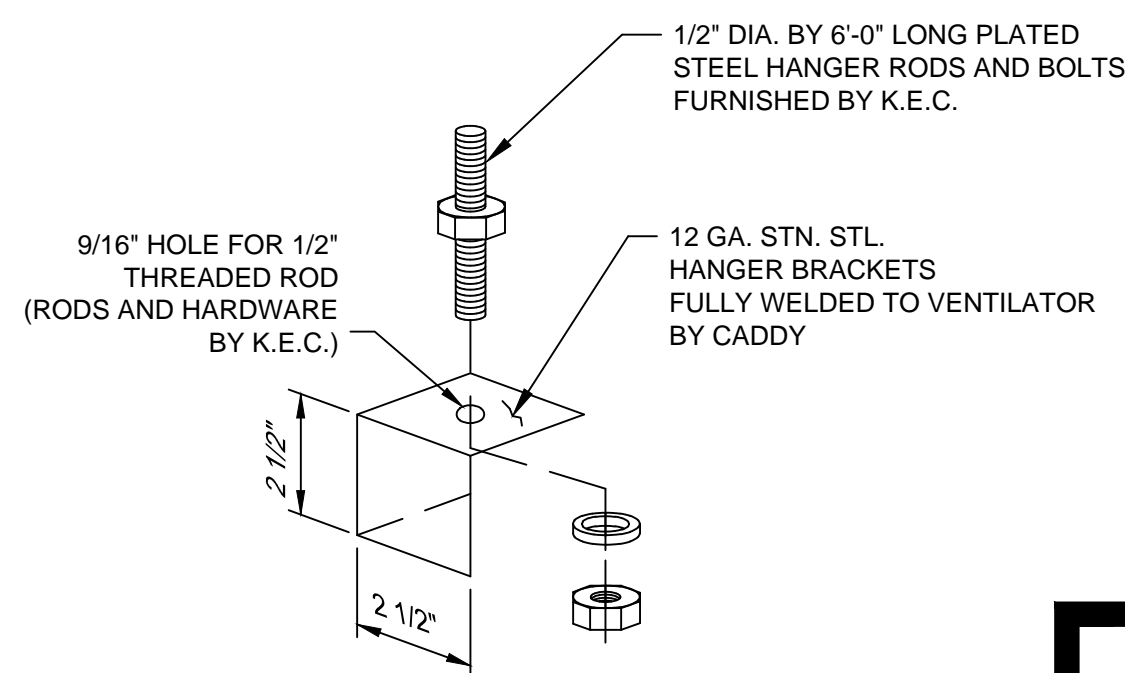
**MAKE-UP AIR NOTE:**  
AIR TEMPERATURE SHOULD RANGE FROM 60° TO 65° F, BUT MAY BE AS LOW AS 50° F DEPENDING ON AIR VOLUME, DISTRIBUTION, AND INTERNAL HEAT LOAD



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



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



**HANGER BRACKET DETAIL**  
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"**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
9'-2" LONG x 5'-0" WIDE x 28 1/2" HIGH  
MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
10'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 4,850 LBS.

VENTILATOR TO BE SHIPPED IN (7) 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 (D) BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX (C). RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

TOTAL EXHAUST : 17,420 C.F.M.  
TOTAL SUPPLY : 13,920 C.F.M.

1	10" X 18" EXHAUST DUCTS 2,290 C.F.M. EACH @ 1.60" S.P.	3	12" X 19" SUPPLY DUCTS 1,160 C.F.M. EACH @ 0.20" S.P.
2	10" X 26" EXHAUST DUCTS 3,210 C.F.M. EACH @ 1.60" S.P.		

**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 MH8215 and MH12264
- UNIFORM MECHANICAL CODE  
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- 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)



REVISIONS			
REV	DATE	BY	REMARKS
A	8-14-03	RCM	REVISED PER RETURNED PRINT RECEIVED 8-13-03
B	12-8-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**  
SH-C-PA-1-60

CADDY NO. 06608-7 ITEM NO. 128  
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #1)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	
D	2	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD (EACH)
E	1	120/60/1 15 AMP. SERVICE TO ANSUL SYSTEM
		UNINTERRUPTED POWER BY E.C.

DATE	06/23/03	SCALE	AS NOTED
DR BY	DRA	APP'D BY	

**DWG# D-1-06608** SHT 3 OF 39

**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.  
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**CONTRACTOR NOTE:**

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

**MAKE-UP AIR NOTE:**

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**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

- EXHAUST C.F.M. BASED ON VARIOUS 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, TYPE 304 NO. 4 FINISH.

**FIRE PROTECTION:**

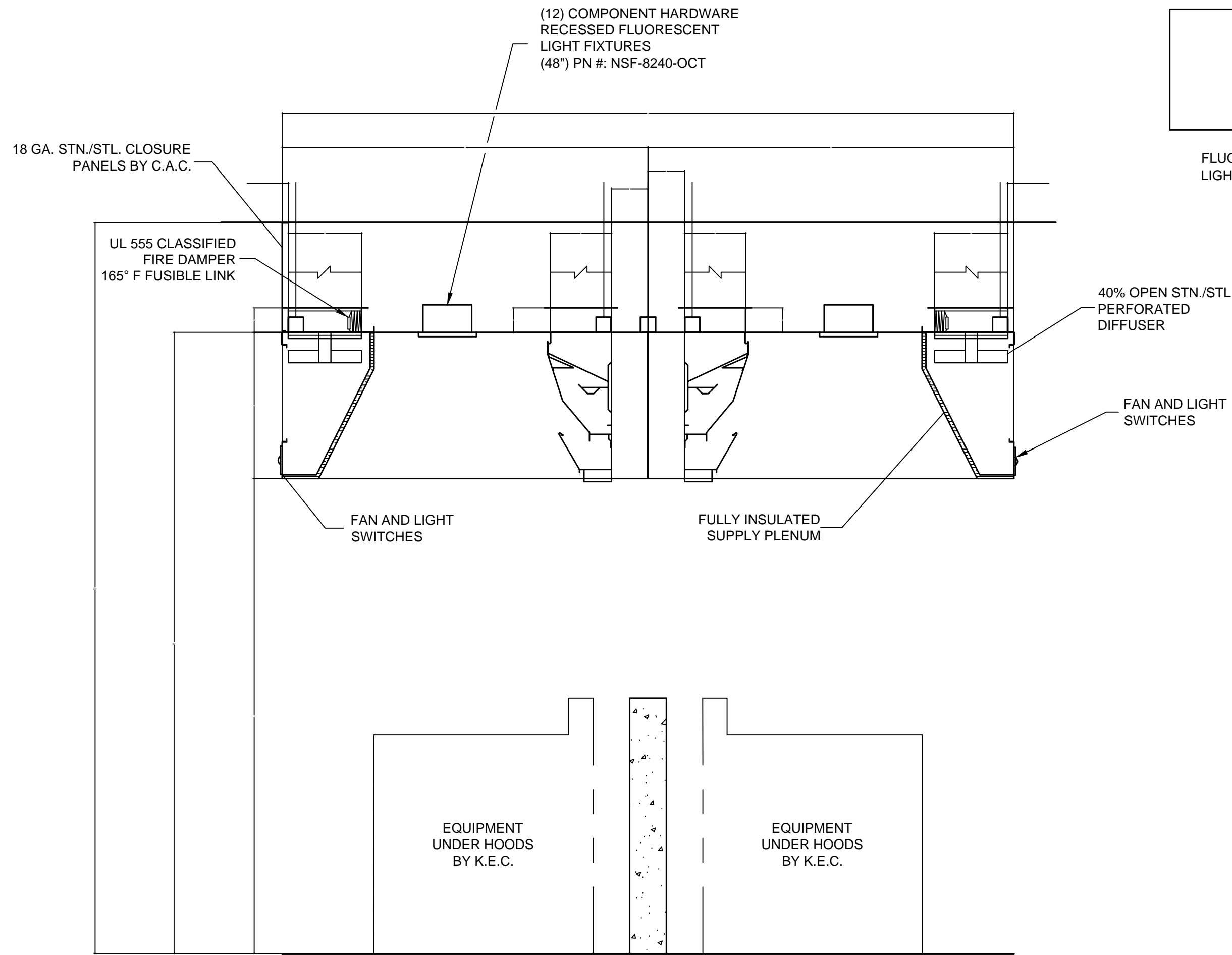
- SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
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**ELECTRICAL REQUIREMENTS:**

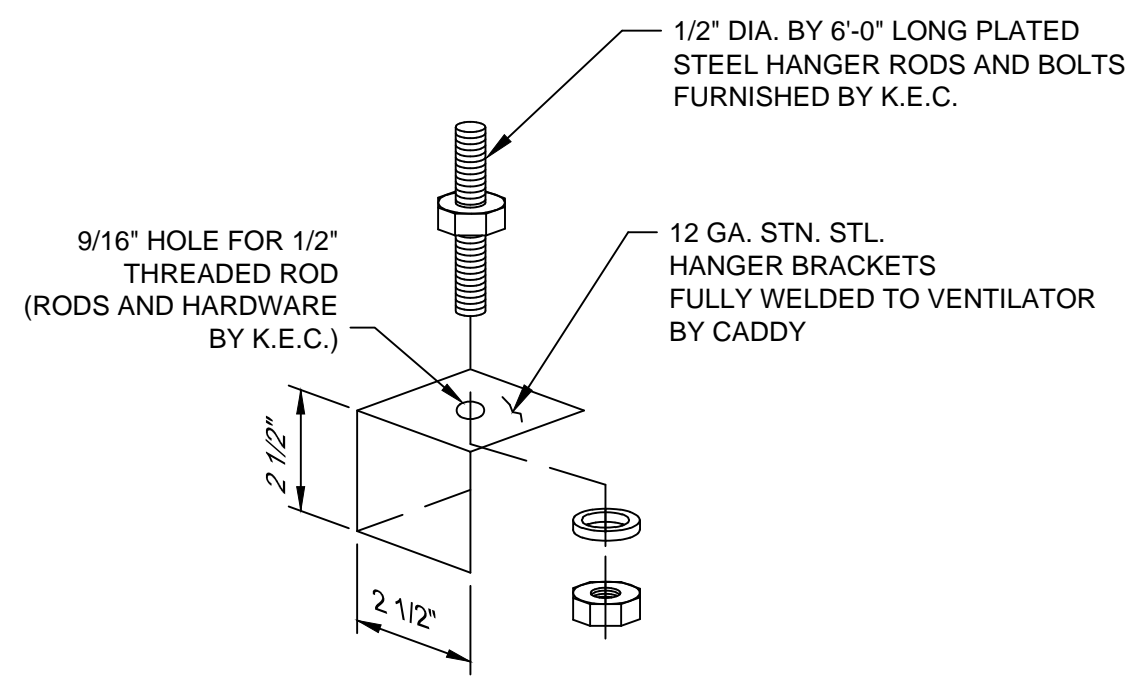
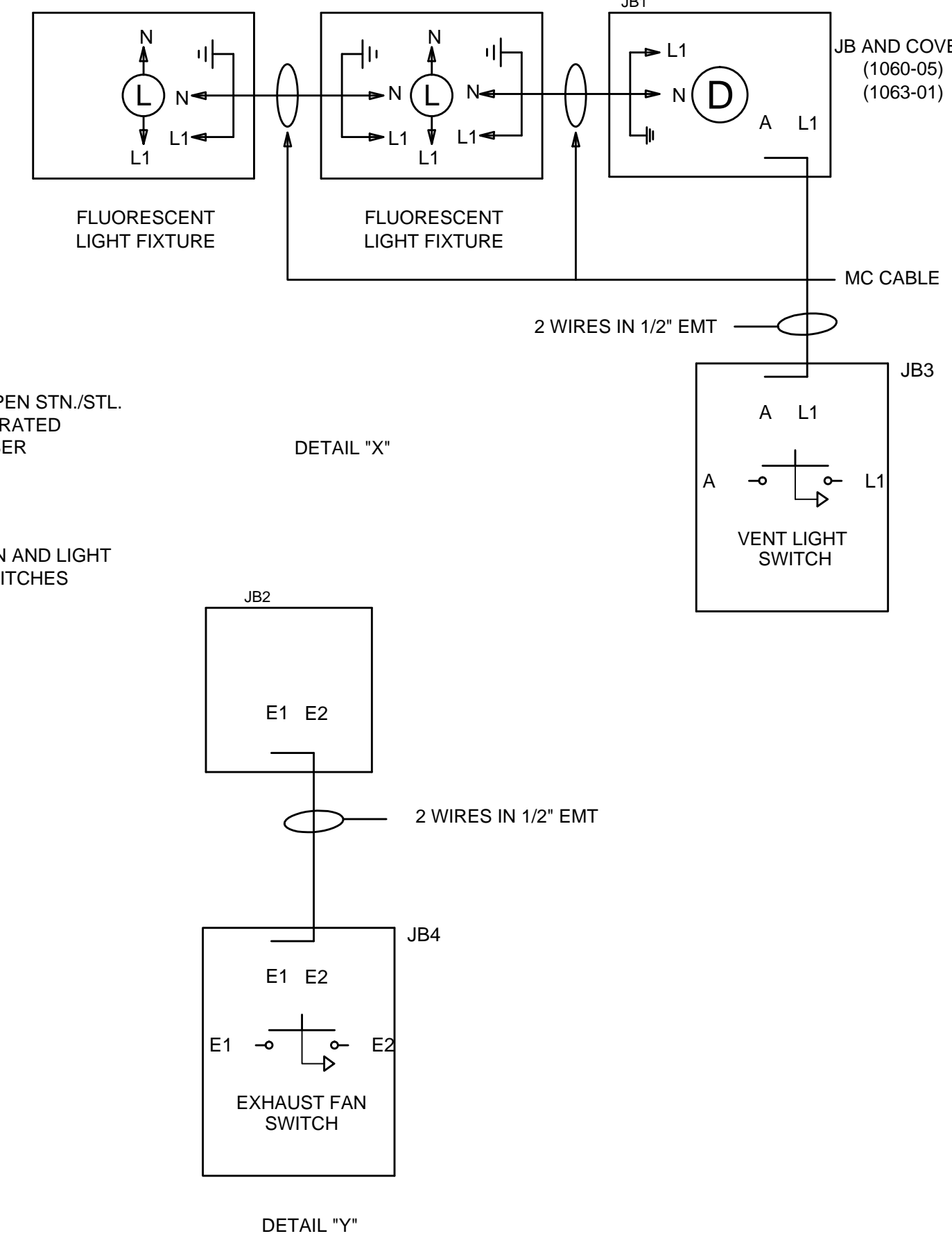
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.

**ELECTRICAL NOTES:**

- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (D) BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX (C), RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.



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



**HANGER BRACKET DETAIL**  
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.**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
 MAXIMUM VENTILATOR DIMENSIONS  
 9'-2" LONG x 5'-0" WIDE x 28 1/2" HIGH  
 MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
 10'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
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 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.

SYM	QTY	DESCRIPTION
D	2	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD (EACH)
E	1	120/60/1 15 AMP. SERVICE TO ANSUL SYSTEM
		UNINTERRUPTED POWER BY E.C.

REVISIONS			
REV	DATE	BY	REMARKS
A	8-14-03	RCM	REVISED PER RETURNED PRINT RECEIVED 8-13-03
B	12-8-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-7 ITEM NO. 128

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #1)  
 LOC: CINCINNATI, OHIO  
 CUST:  
 CUST#:

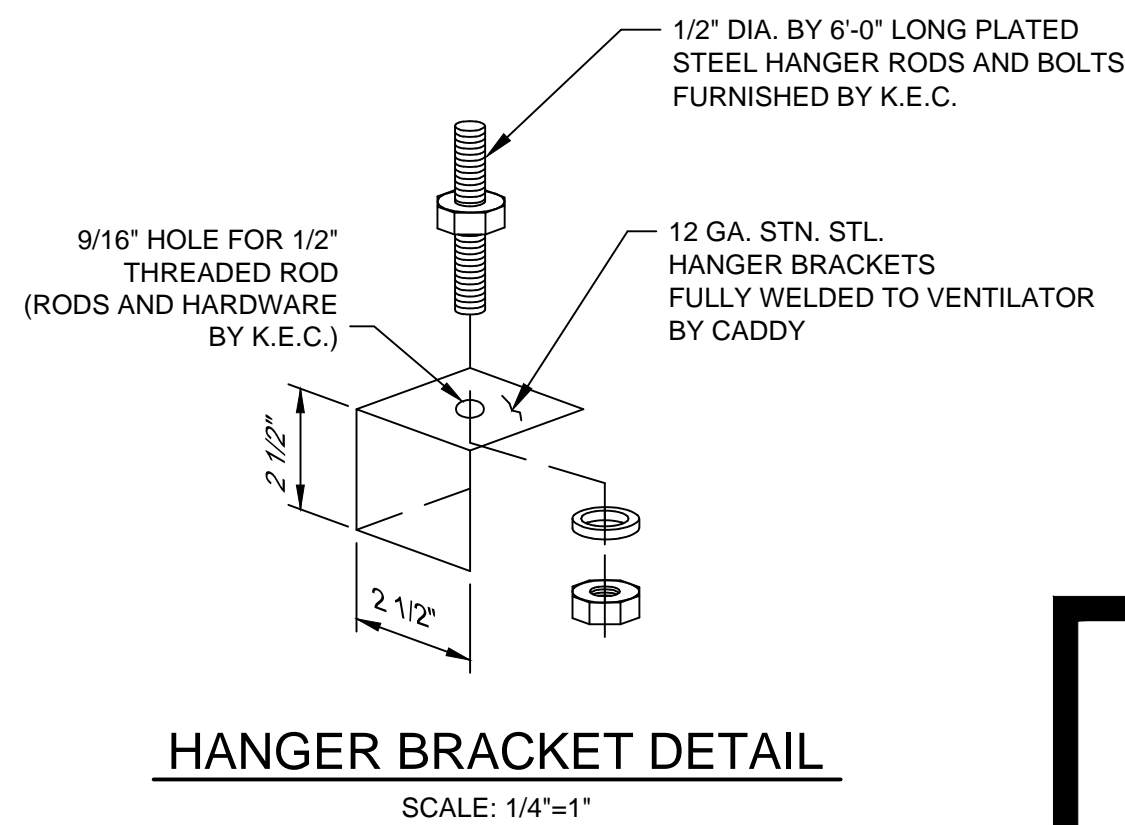
**DWG# D-1-06608** SHT 4 OF 39

**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

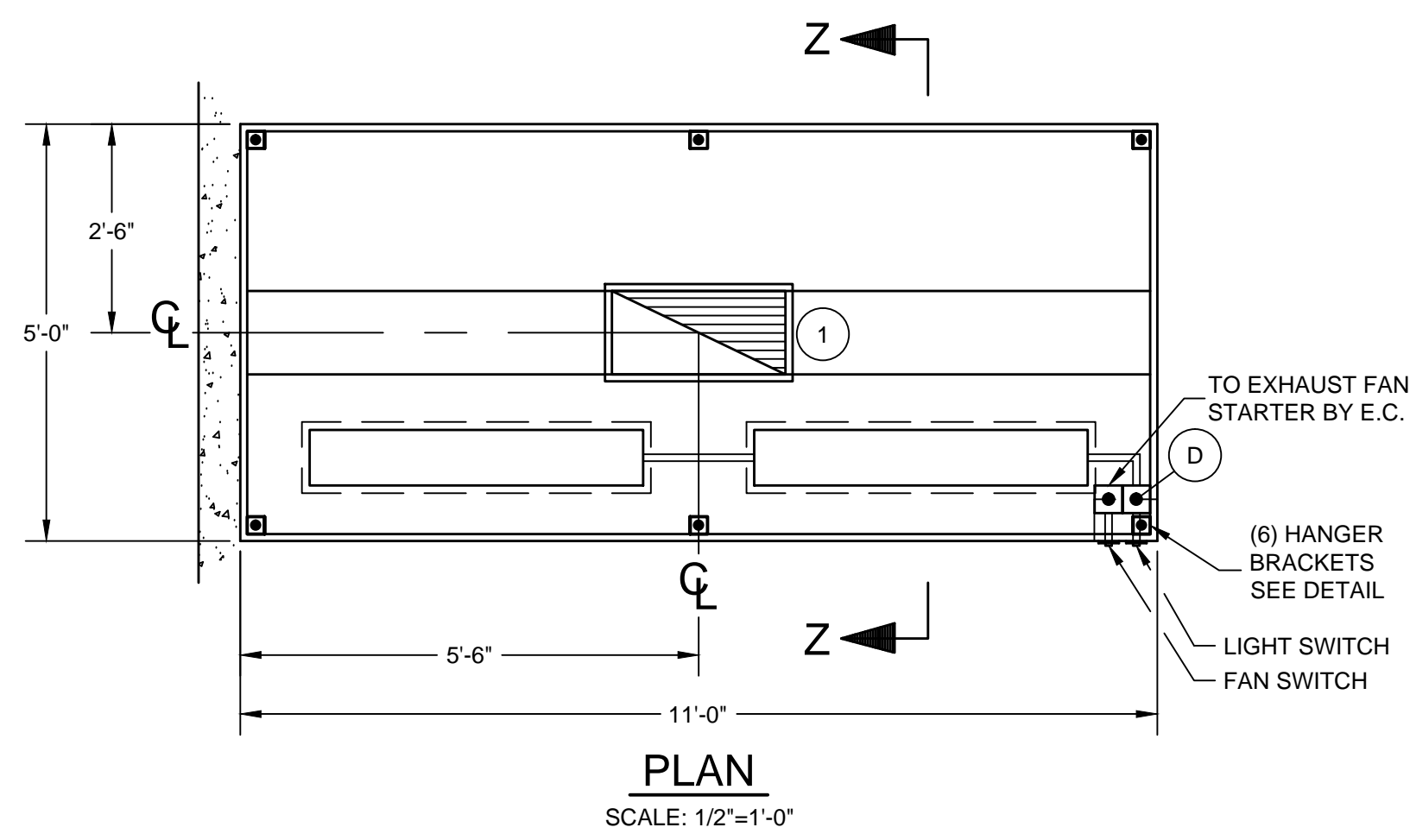
**THE CADDY VENTILATOR TESTING, LISTING AND APPROVAL REFERENCES:**

- 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 MH8215 and MH12264
- 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)

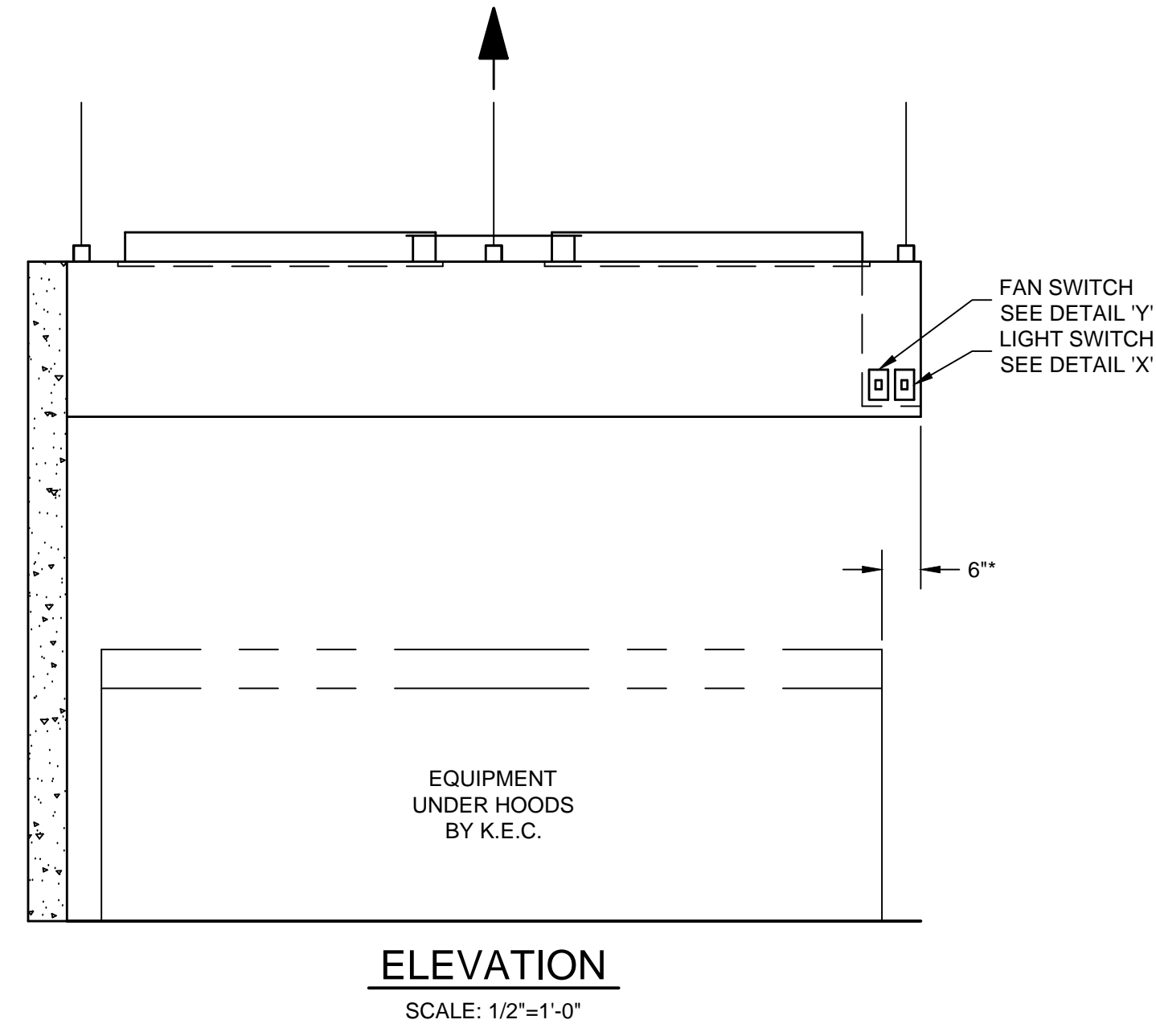


K.E.C. TO VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT, REVIEW PLAN FOR PROPER LINE-UP PRIOR TO FABRICATION OF VENTILATORS, AND TO NOTIFY CADDY OF ANY CHANGES.

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



TOTAL EXHAUST : 3,850 C.F.M.  
1 12" X 25" EXHAUST DUCTS  
3,850 C.F.M. EACH @ 1.30" S.P.



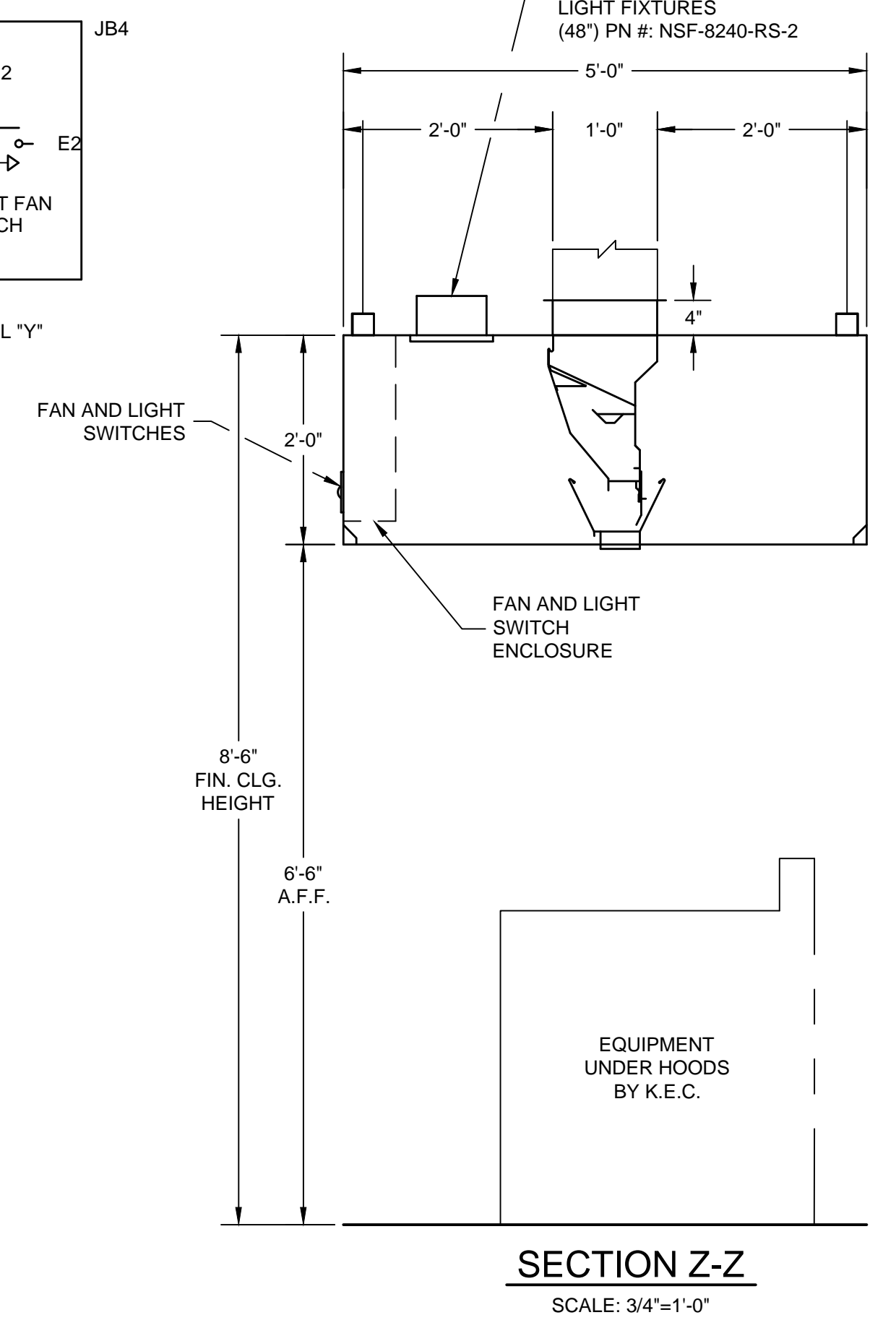
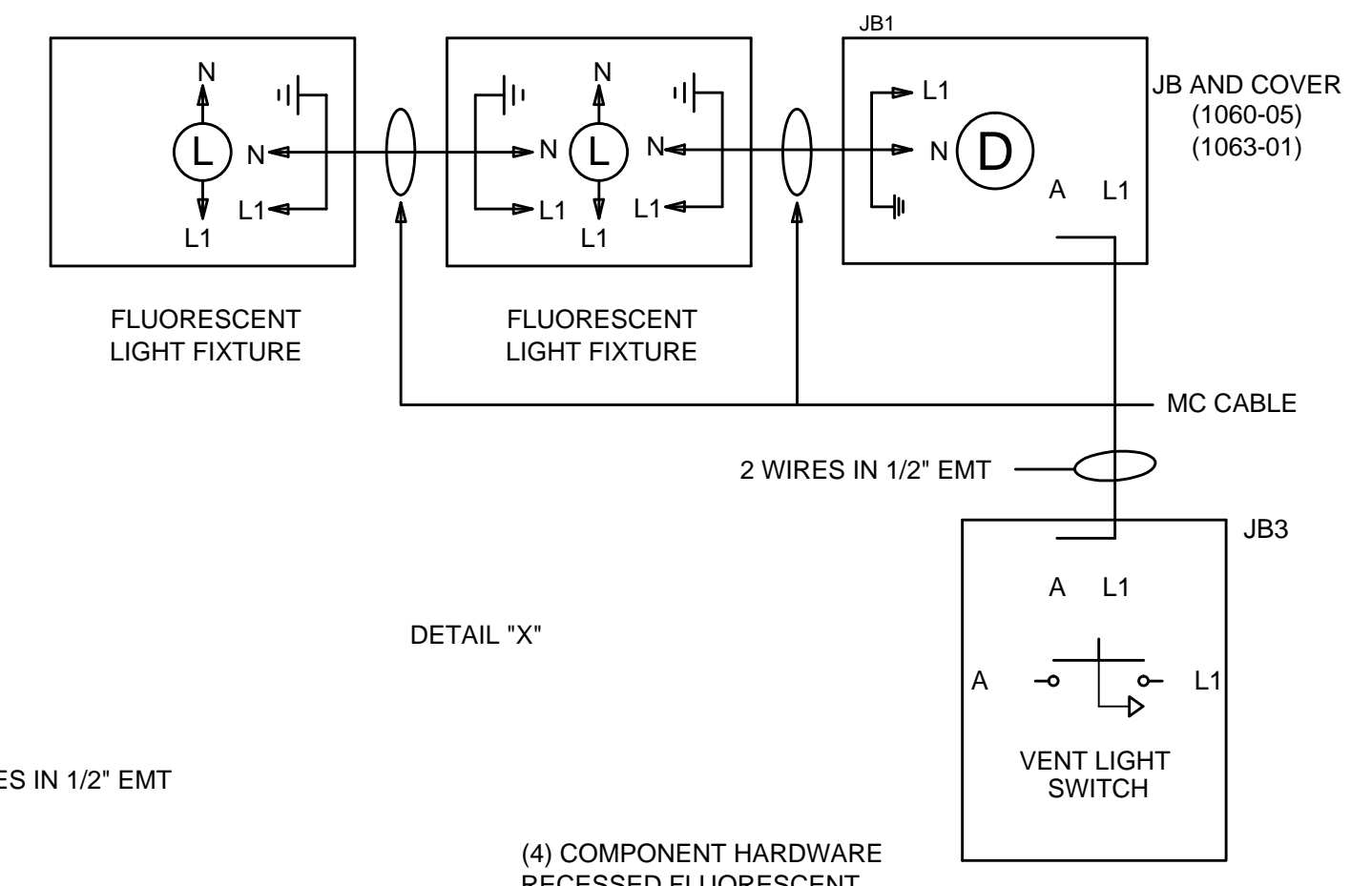
**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS 11'-0" LONG x 5'-0" WIDE x 28 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 3,850 LBS.

VENTILATOR TO BE SHIPPED IN (1) UNIT.  
ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

**ELECTRICAL NOTES:**

- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.



**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
- EXHAUST C.F.M. BASED ON 300 C.F.M. PER LINEAR FOOT.
  - EXHAUST STATIC PRESSURE IS 1.30" 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, TYPE 304 NO. 4 FINISH.
- 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 SHUT OFF UPON ACTIVATION OF THE SYSTEM.
- ELECTRICAL REQUIREMENTS:**
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	12-17-03	RCM	FABRICATED PER APPROVED DRAWING

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

**EQUIPMENT SCHEDULE**

SH-C-II-60

CADDY NO. 06608-5 ITEM NO. 144

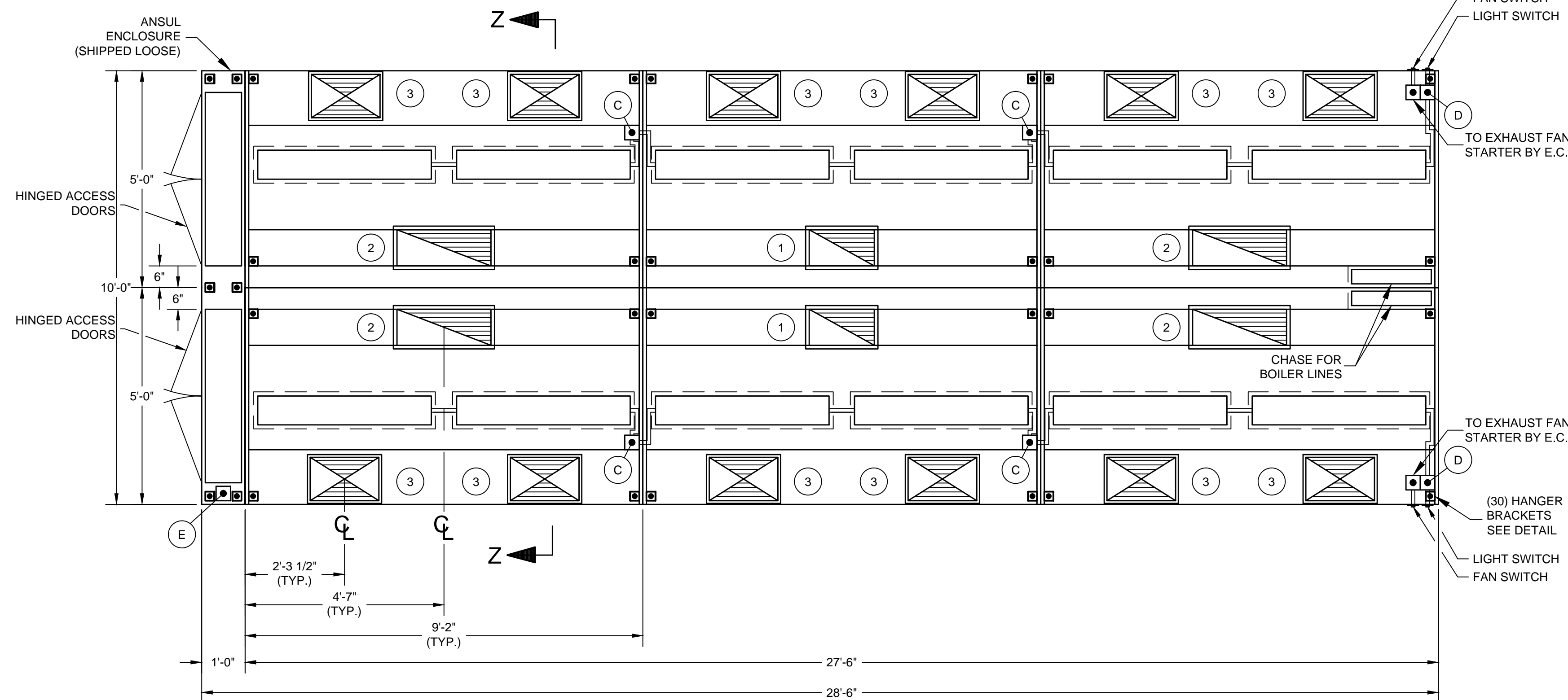
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #1)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608** SHT 5 OF 39

**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.

**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



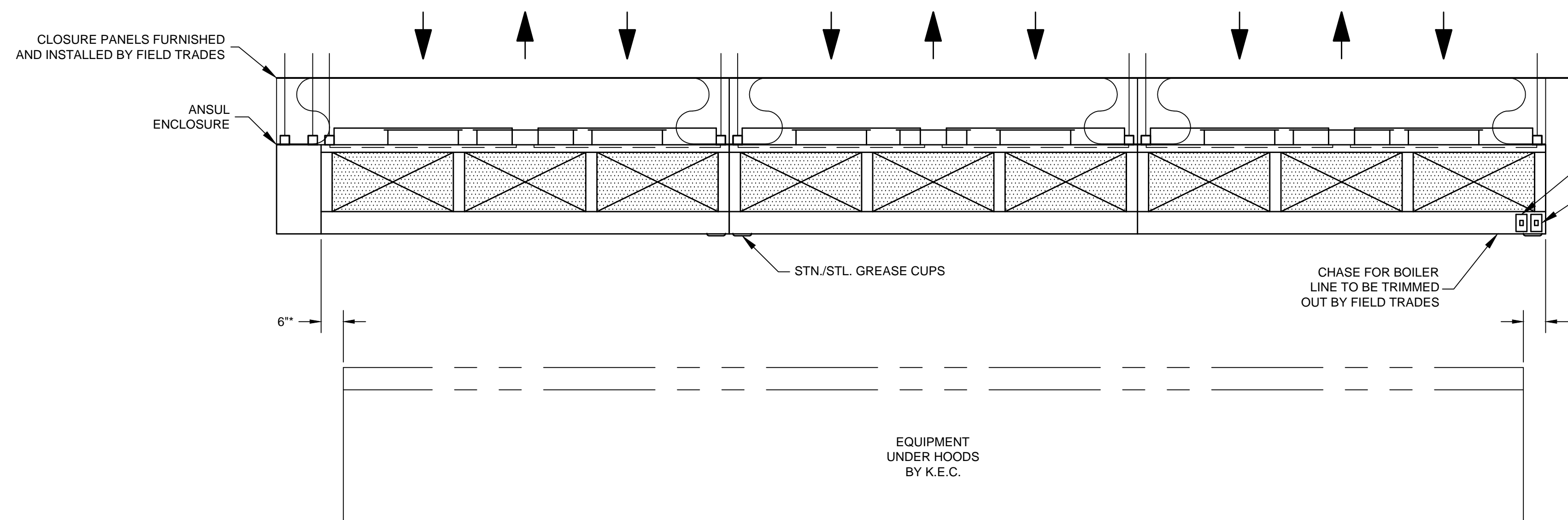
**PLAN**  
SCALE: 1/2"=1'-0"

**ELECTRICAL NOTES:**

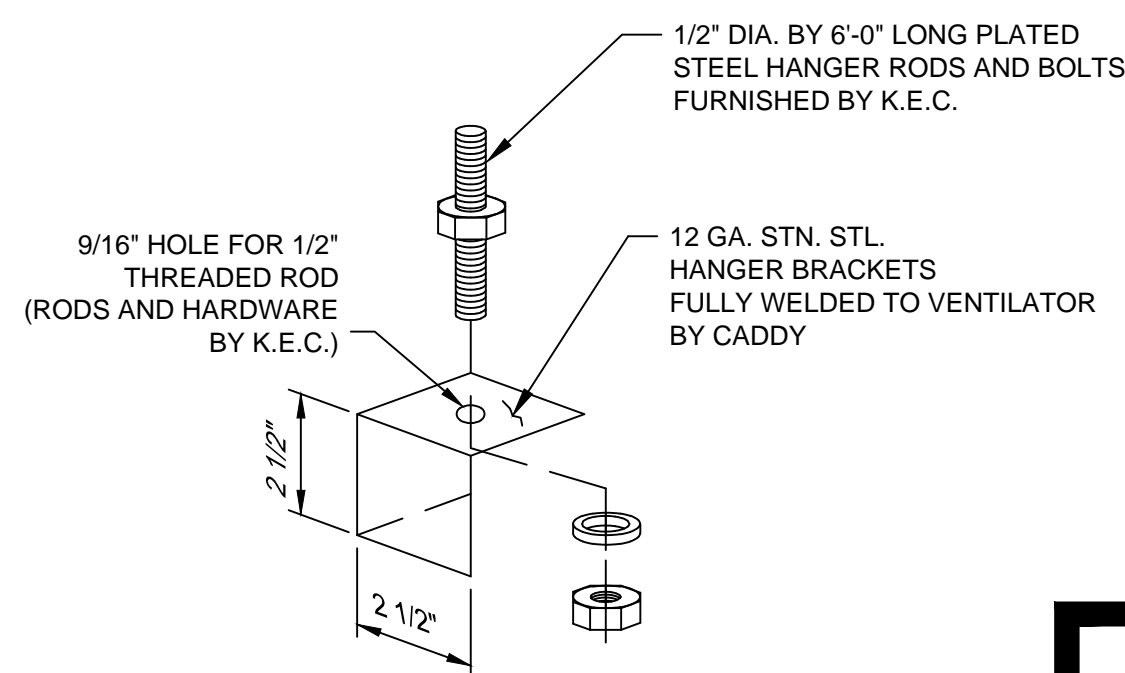
1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

TOTAL EXHAUST : 14,870 C.F.M.  
TOTAL SUPPLY : 11,920 C.F.M.

- |   |                                                           |   |                                                          |
|---|-----------------------------------------------------------|---|----------------------------------------------------------|
| 1 | 12" X 26" EXHAUST DUCT<br>3,845 C.F.M. EACH @ 1.60" S.P.  | 3 | 12" X 24" SUPPLY DUCTS<br>1,490 C.F.M. EACH @ 0.20" S.P. |
| 2 | 12" X 24" EXHAUST DUCTS<br>3,590 C.F.M. EACH @ 1.60" S.P. |   |                                                          |



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



**HANGER BRACKET DETAIL**  
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"

**INSTALLATION INFORMATION**

**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.

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
10'-3" LONG x 5'-0" WIDE x 28 1/2" HIGH  
MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
10'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 3,490 LBS.

VENTILATOR TO BE SHIPPED IN (5) UNITS.  
ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

**ROUGH-IN SCHEDULE**

SYM	QTY	DESCRIPTION
D	2	120V, 60HZ, 1PH, 0.32 K.W. CONNECTED LOAD (EACH)
E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL
		SYSTEM BY E.C. (UNINTERRUPTED)

**REVISIONS**

REV	DATE	BY	REMARKS
A	9-9-03	BJW	ADDED ANSUL BOX AND CLOSURE PANELS PER DRAWINGS RECEIVED 09/03/03
B	12-10-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-8 ITEM NO. 211

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #2)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

DWG# D-1-06608

SHT 6  
OF 39

**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.

**MAKE-UP AIR REQUIREMENTS:**

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.
1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

1. 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.).

1. 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.
2. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

**CONSTRUCTION:**

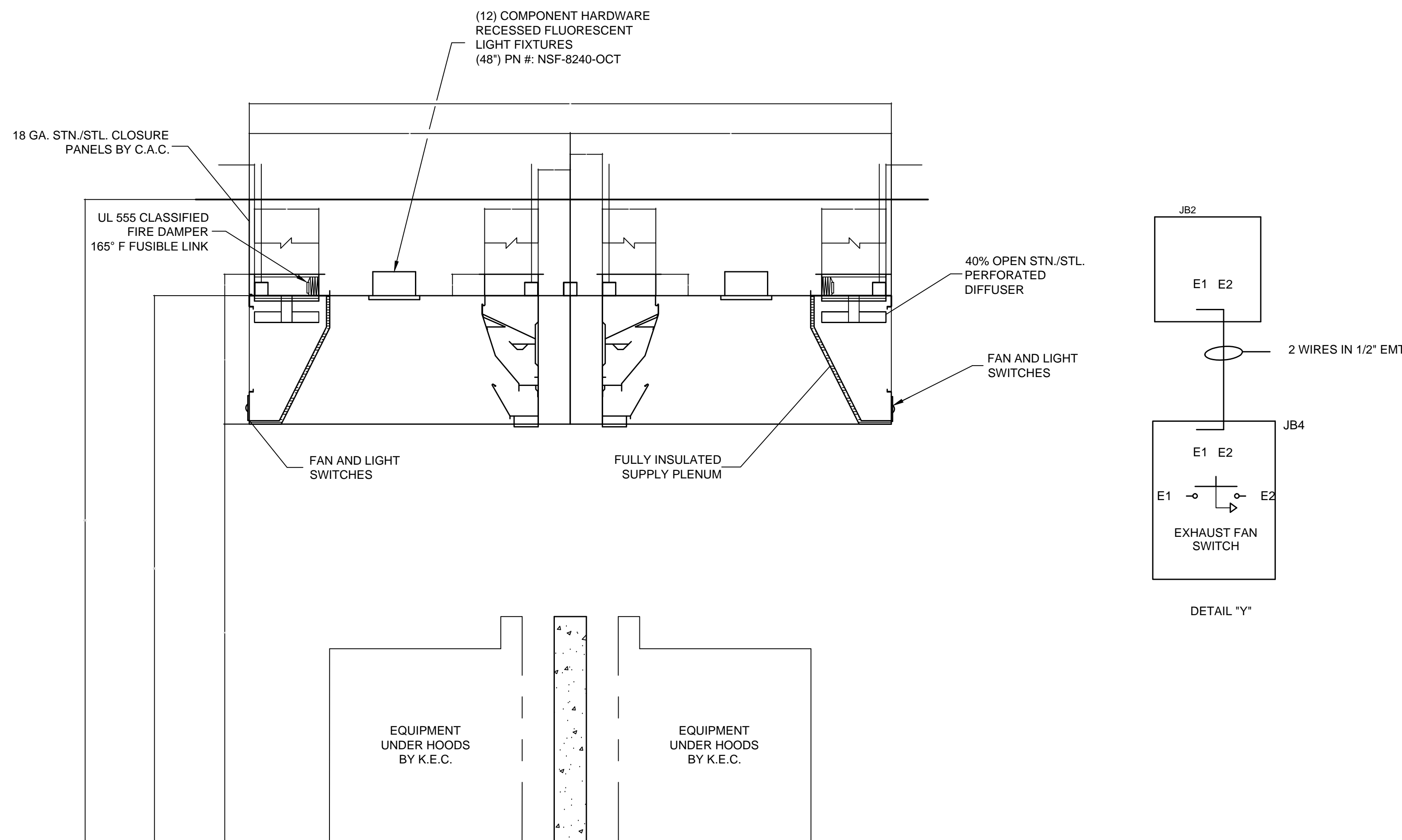
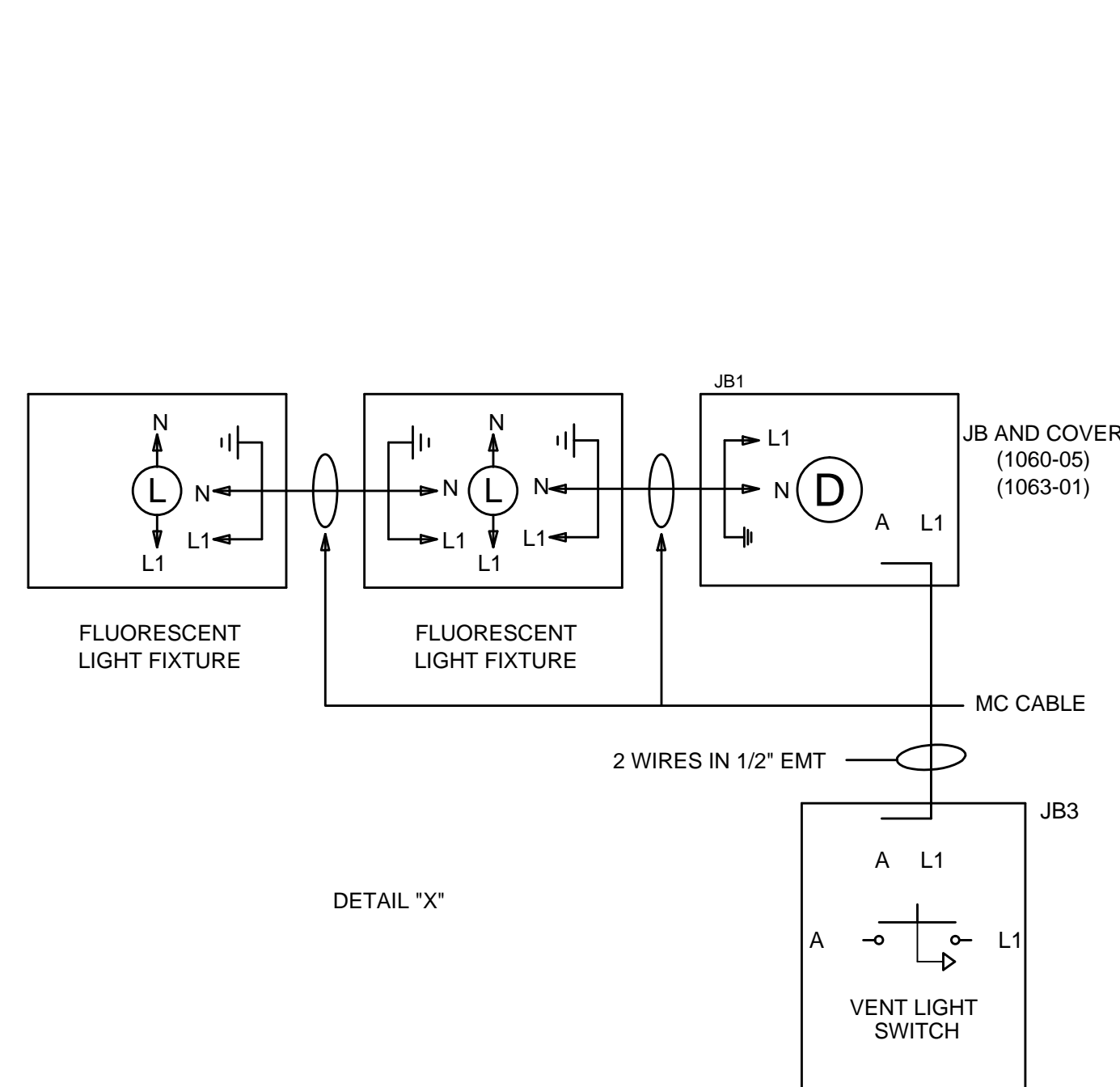
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL, TYPE 304 NO. 4 FINISH.

**FIRE PROTECTION:**

1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
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 U.L. 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.

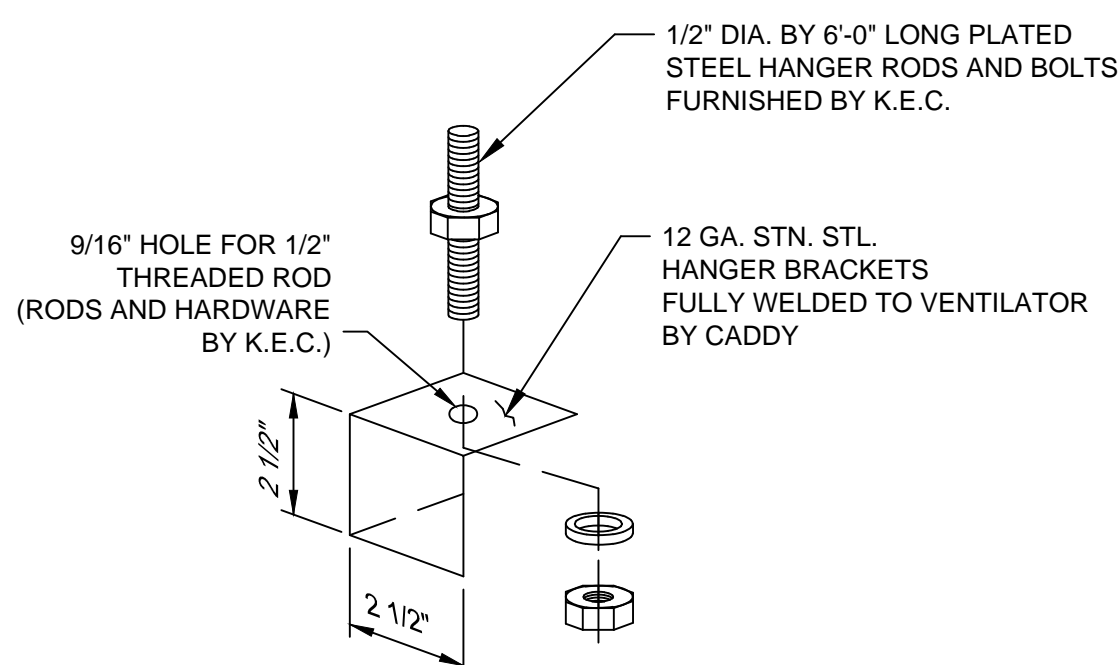
**ELECTRICAL REQUIREMENTS:**

1. LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



**SECTION Z-Z**

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



**HANGER BRACKET DETAIL**

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.

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
 MAXIMUM VENTILATOR DIMENSIONS  
 10'-3" LONG x 5'-0" WIDE x 28 1/2" HIGH  
 MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
 10'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
 ESTIMATED TOTAL HANGING WEIGHT: 3,490 LBS.

VENTILATOR TO BE SHIPPED IN (5) UNITS.  
 ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

ROUGH-IN SCHEDULE		SYM	QTY	DESCRIPTION
		D	2	120V, 60HZ, 1PH, 0.32 K.W. CONNECTED LOAD (EACH)
		E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL
				SYSTEM BY E.C. (UNINTERRUPTED)

REVISIONS			
REV	DATE	BY	REMARKS
A	9-9-03	BJW	ADDED ANSUL BOX AND CLOSURE PANELS PER DRAWINGS RECEIVED 09/09/03
B	12-10-03	BJW	FABRICATED PER APPROVED DRAWINGS



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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-8 ITEM NO. 211

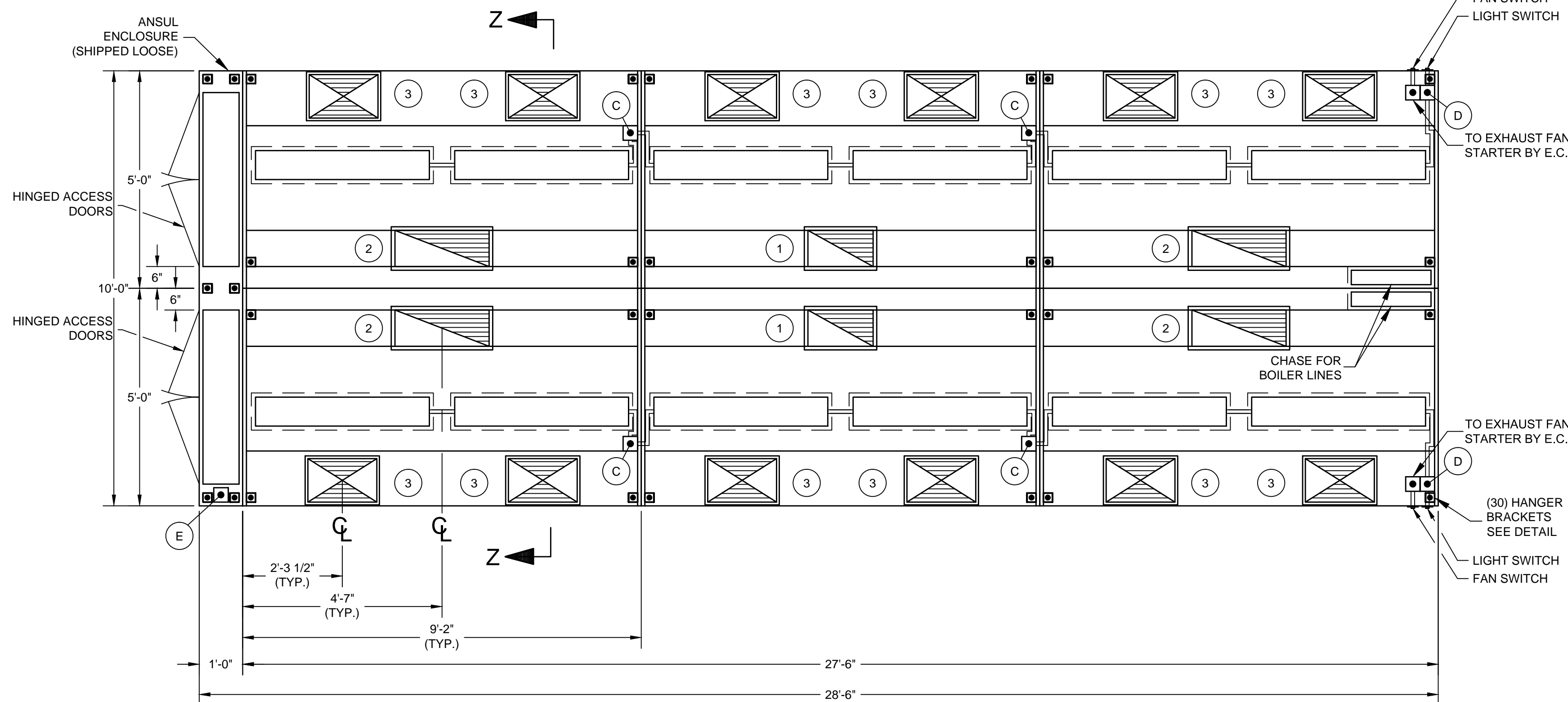
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #2)  
 LOC: CINCINNATI, OH  
 CUST:  
 CUST#:

**DWG# D-1-06608**      SHT 7 OF 39

**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.

**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



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

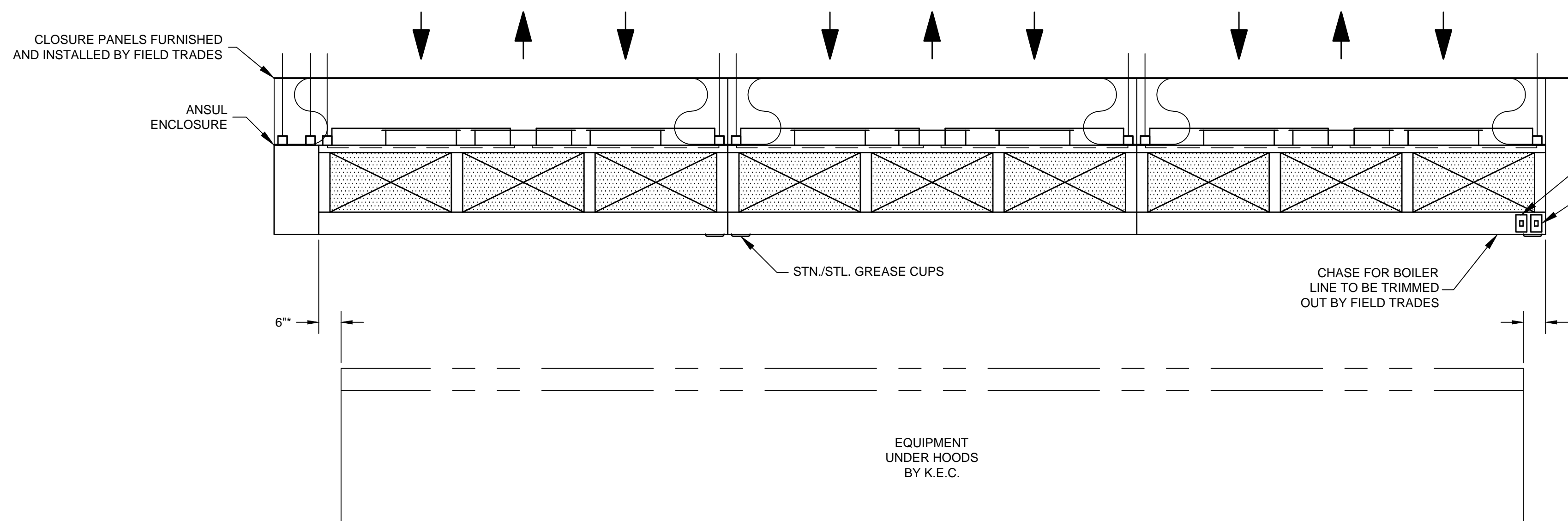
**ELECTRICAL NOTES:**  
1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.  
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

TOTAL EXHAUST : 14,870 C.F.M.  
TOTAL SUPPLY : 11,920 C.F.M.

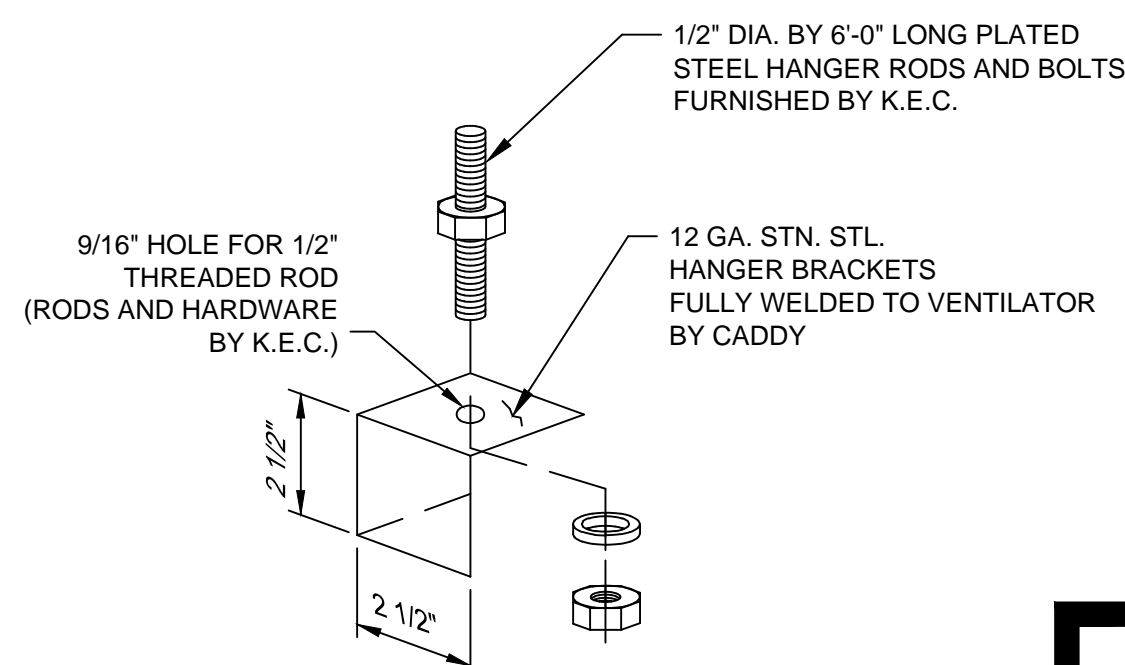
- 1 12" X 26" EXHAUST DUCT  
3,845 C.F.M. EACH @ 1.60" S.P.
- 2 12" X 24" EXHAUST DUCTS  
3,590 C.F.M. EACH @ 1.60" S.P.
- 3 12" X 24" SUPPLY DUCTS  
1,490 C.F.M. EACH @ 0.20" S.P.

**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 MH8215 and MH12264
- 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)



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



**HANGER BRACKET DETAIL**  
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"

**INSTALLATION INFORMATION**

**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.

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
10'-3" LONG x 5'-0" WIDE x 28 1/2" HIGH  
MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
10'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 3,490 LBS.

VENTILATOR TO BE SHIPPED IN (5) UNITS.  
ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

ROUGH-IN SCHEDULE		DATE	BY	REMARKS
SYM	QTY			DESCRIPTION
D	2			120V, 60HZ, 1PH, 0.32 K.W. CONNECTED LOAD (EACH)
E	1			120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL
SYSTEM BY E.C. (UNINTERRUPTED)				

REVISIONS				
REV	DATE	BY	REMARKS	
A	9-9-03	BJW	ADDED ANSUL BOX AND CLOSURE PANELS PER DRAWINGS RECEIVED 9/9/03	
B	12-10-03	BJW	FABRICATED PER APPROVED DRAWINGS	

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-9 ITEM NO. 211A

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #2)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608**



**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.

**MAKE-UP AIR REQUIREMENTS:**

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.
1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

1. 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.).

1. 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.
2. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

**CONSTRUCTION:**

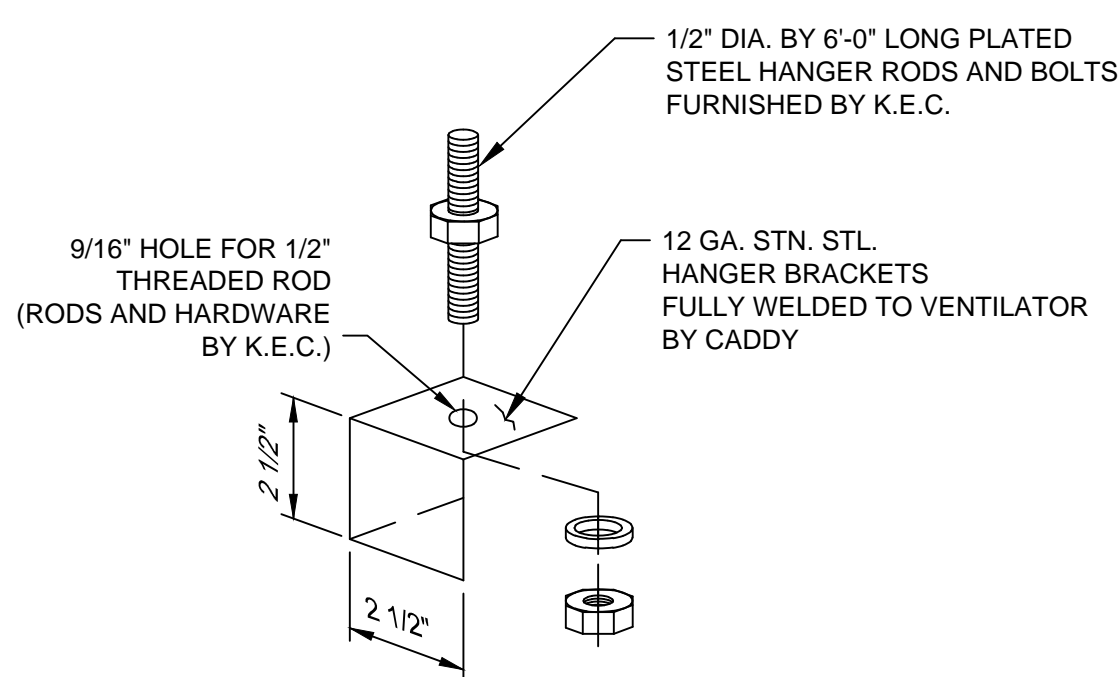
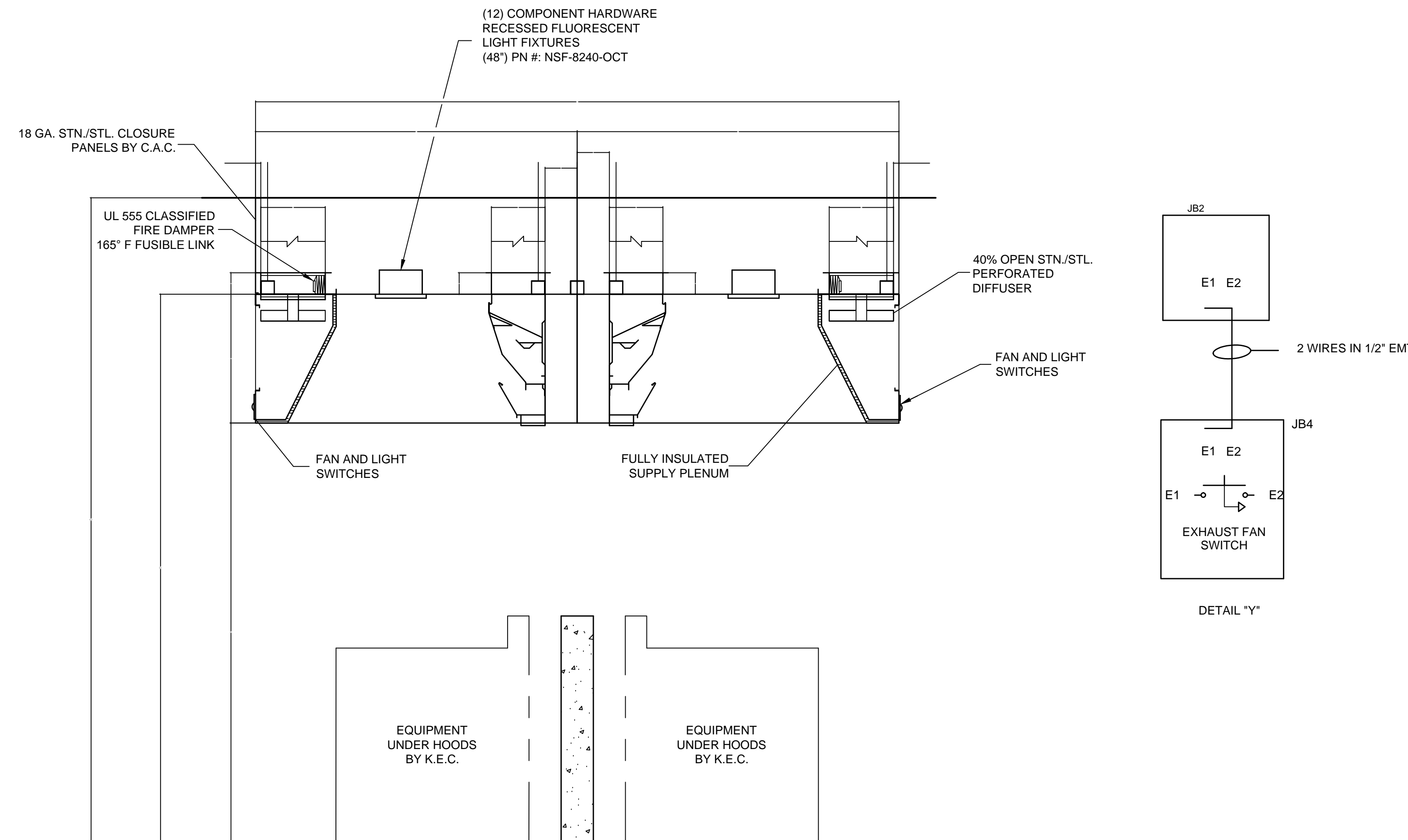
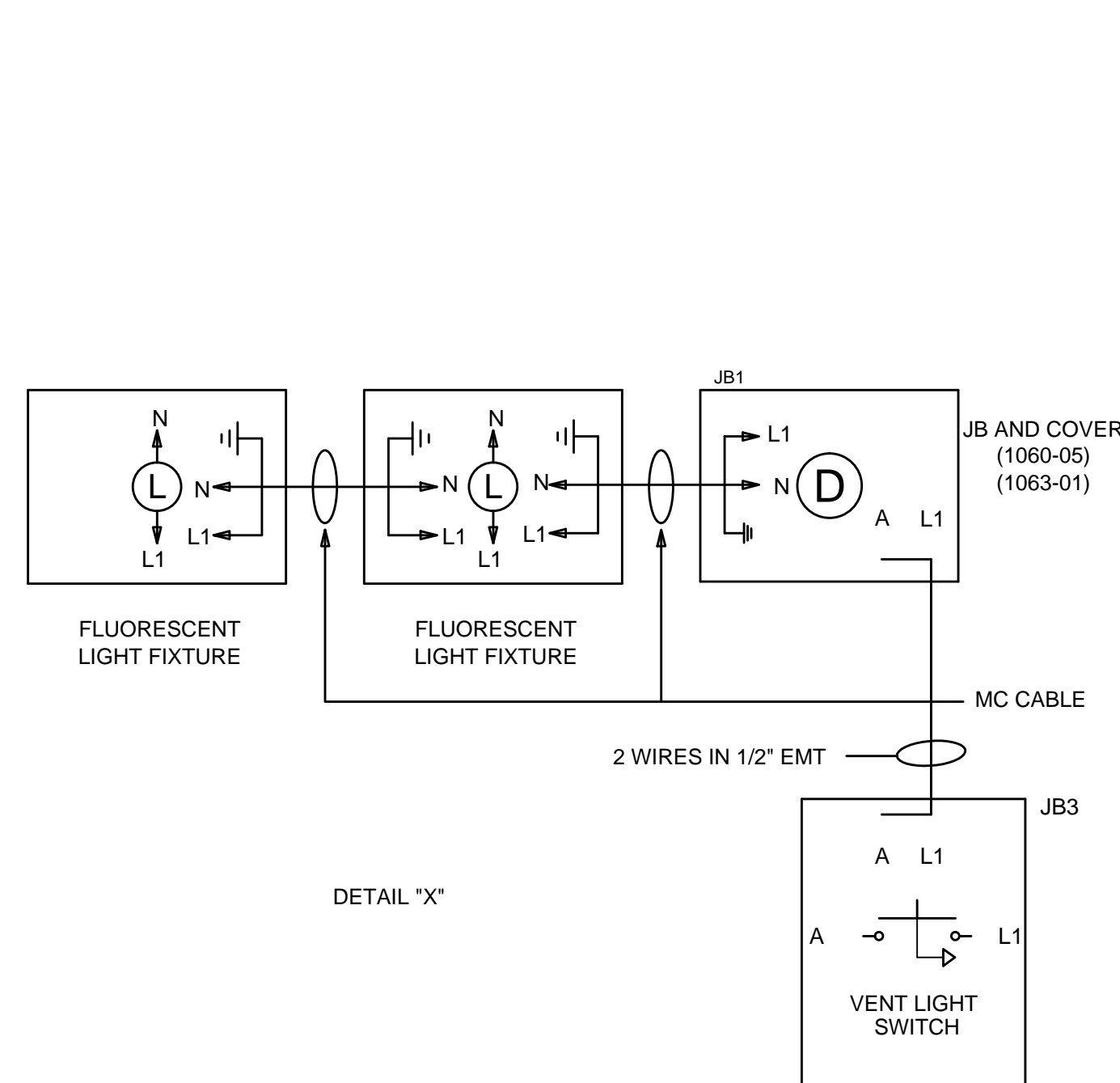
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL, TYPE 304 NO. 4 FINISH.

**FIRE PROTECTION:**

1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
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 U.L. 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.



**HANGER BRACKET DETAIL**

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.**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
 MAXIMUM VENTILATOR DIMENSIONS  
 10'-3" LONG x 5'-0" WIDE x 28 1/2" HIGH  
 MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
 10'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
 ESTIMATED TOTAL HANGING WEIGHT: 3,490 LBS.

VENTILATOR TO BE SHIPPED IN (5) UNITS.  
 ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

SYM		QTY	DESCRIPTION
D	2	120V, 60HZ, 1PH, 0.32 K.W.	CONNECTED LOAD (EACH)
E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL	
SYSTEM BY E.C. (UNINTERRUPTED)			

REVISIONS			
REV	DATE	BY	REMARKS
A	9-9-03	BJW	ADDED ANSUL BOX AND CLOSURE PANELS PER DRAWINGS RECEIVED 09/09/03
B	12-10-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-9 ITEM NO. 211A

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #2)  
 LOC: CINCINNATI, OH  
 CUST:  
 CUST#:

**DWG# D-1-06608** SHT 9 OF 39

**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.

**ELECTRICAL NOTES:**

- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**CONTRACTOR NOTE:**

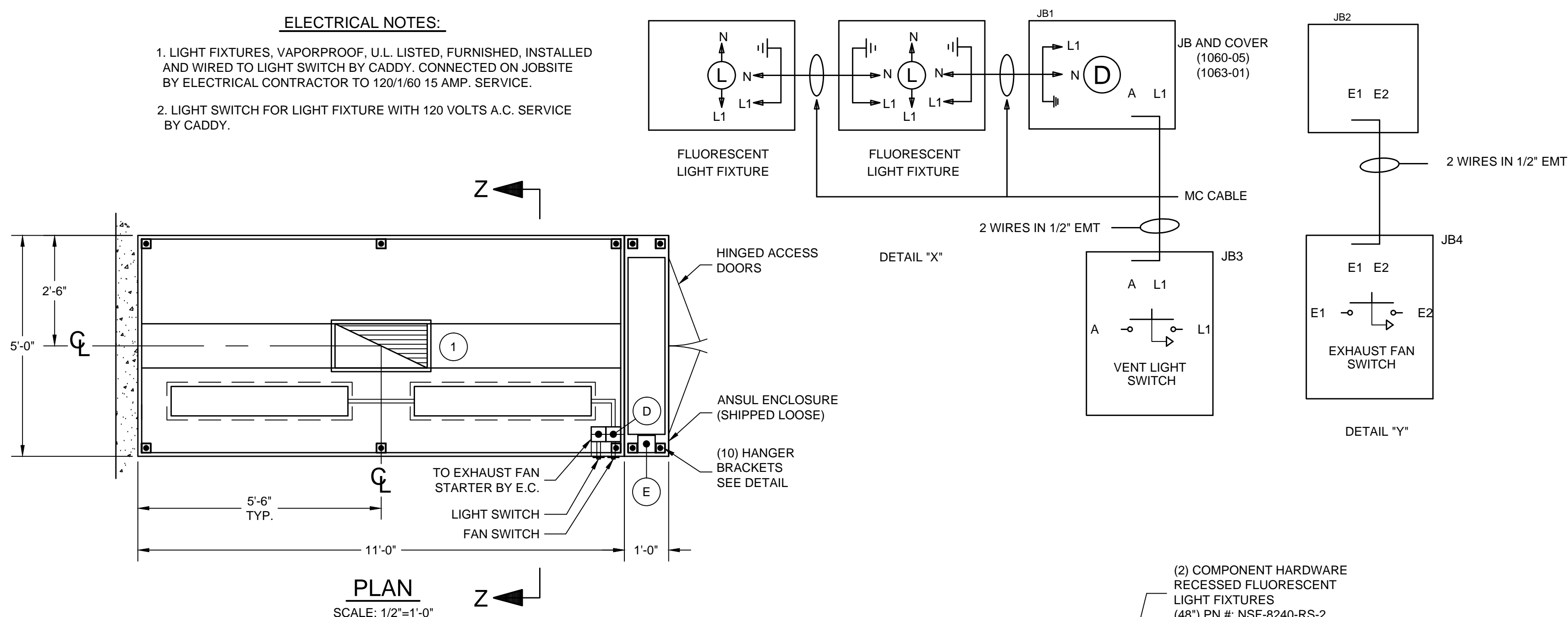
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

**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

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

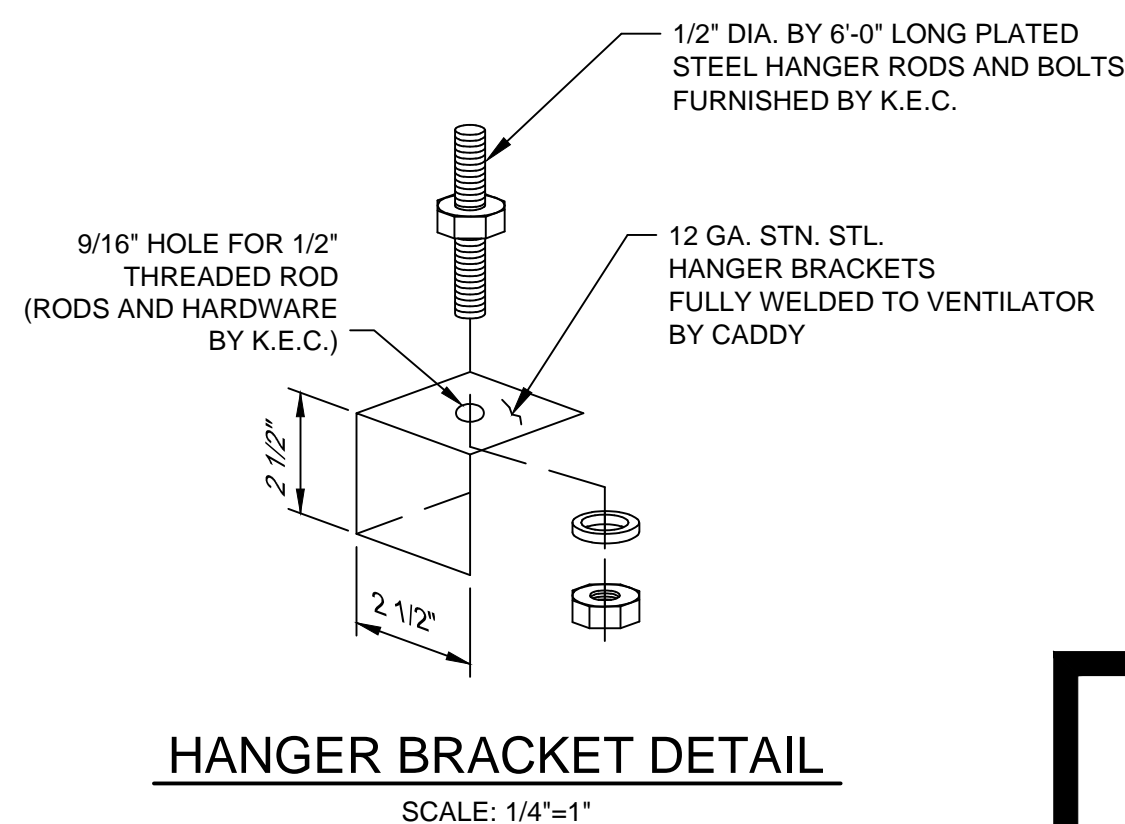
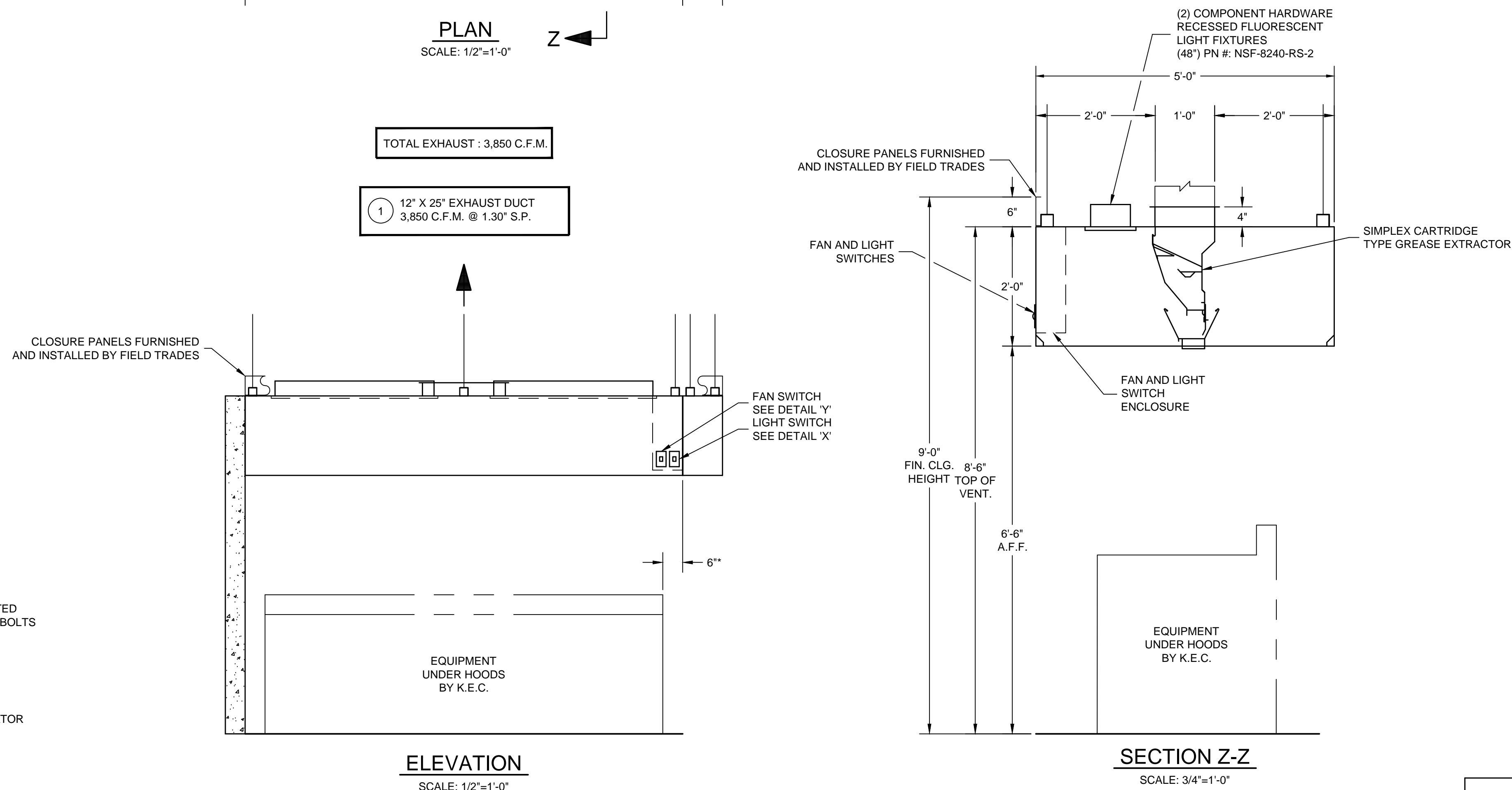
- NATIONAL FIRE PROTECTION ASSOCIATION  
In accordance with Recommendation of National Fire Protection Association's NFPA No. 96 "Vapor Removal from Cooking Equipment"
- NATIONAL SANITATION FOUNDATION  
Standard #2 - "Food Service Equipment"
- UNDERWRITERS LABORATORIES, INC  
Tested under standard U.L. 710 "Exhaust Hoods for Commercial Cooking Equipment". U.L. listed under file number MH8215 and MH12264
- 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)



**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
- EXHAUST C.F.M. BASED ON 350 C.F.M. PER LINEAR FOOT.
  - EXHAUST STATIC PRESSURE IS 1.30" 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, TYPE 304 NO. 4 FINISH.
- 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 SHUT OFF UPON ACTIVATION OF THE SYSTEM.
- ELECTRICAL REQUIREMENTS:**
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.

TOTAL EXHAUST : 3,850 C.F.M.  
1 12" X 25" EXHAUST DUCT  
3,850 C.F.M. @ 1.30" S.P.



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  
11'-0" LONG x 5'-0" WIDE x 28 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 935 LBS.

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

ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	9-9-03	BLW	ADDED ANSUL BOX AND CLOSURE PANELS PER DRAWINGS RECEIVED 9-9-03
B	12-17-03	RCM	FABRICATED PER APPROVED DRAWING

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

**EQUIPMENT SCHEDULE**

SH-C-II-60

CADDY NO. 06608-11 ITEM NO. 212

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #2)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

**DWG# D-1-06608** SHT 10 OF 39

**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.

**CONTRACTOR NOTE:**  
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

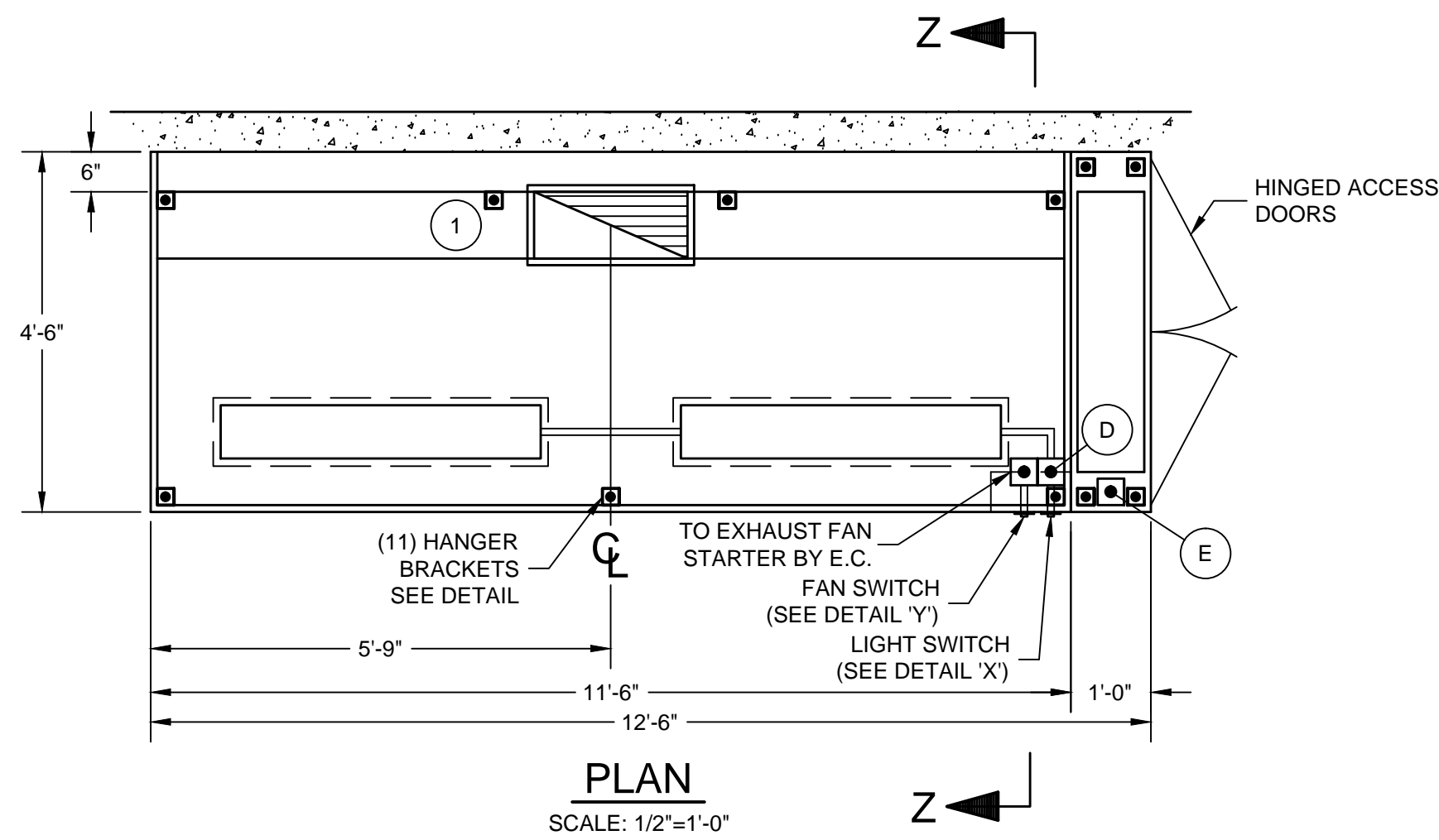
**MAKE-UP AIR NOTE:**  
AIR TEMPERATURE SHOULD RANGE FROM 60° TO 65° F, BUT MAY BE AS LOW AS 50° F DEPENDING ON AIR VOLUME, DISTRIBUTION, AND INTERNAL HEAT LOAD

**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 MH8215 and MH12264
- 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)

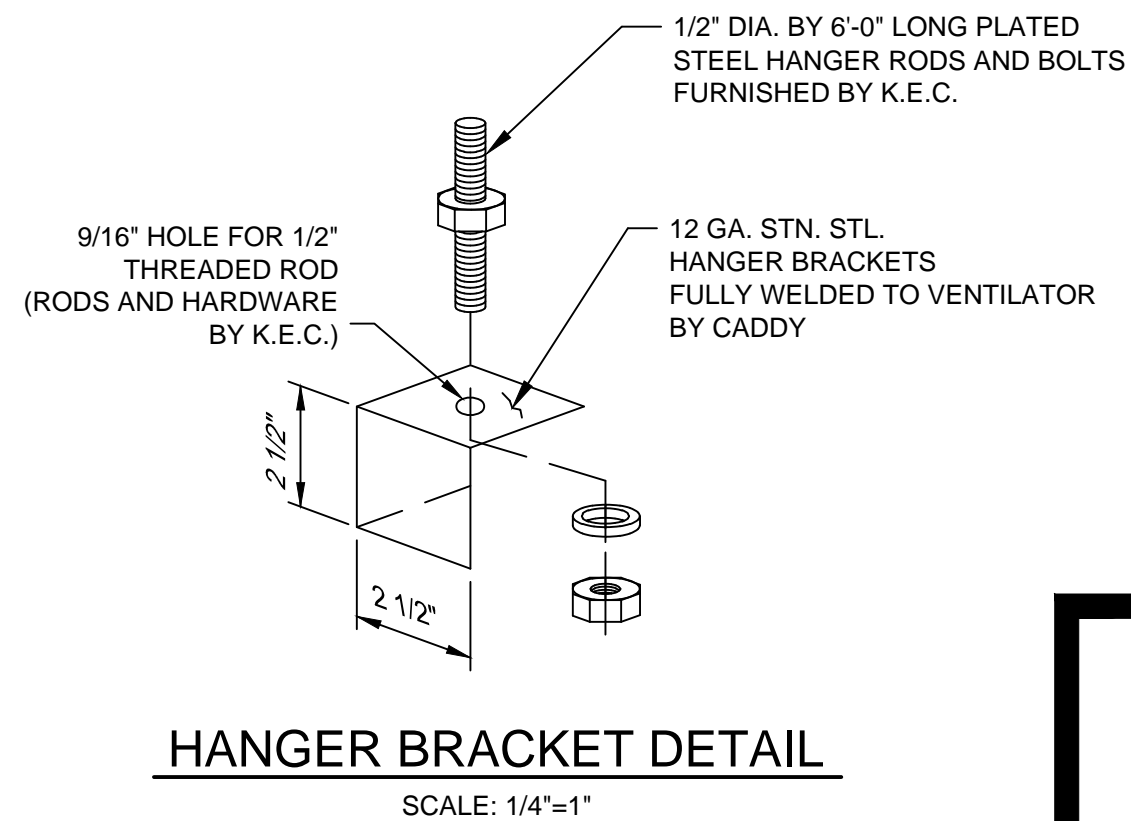
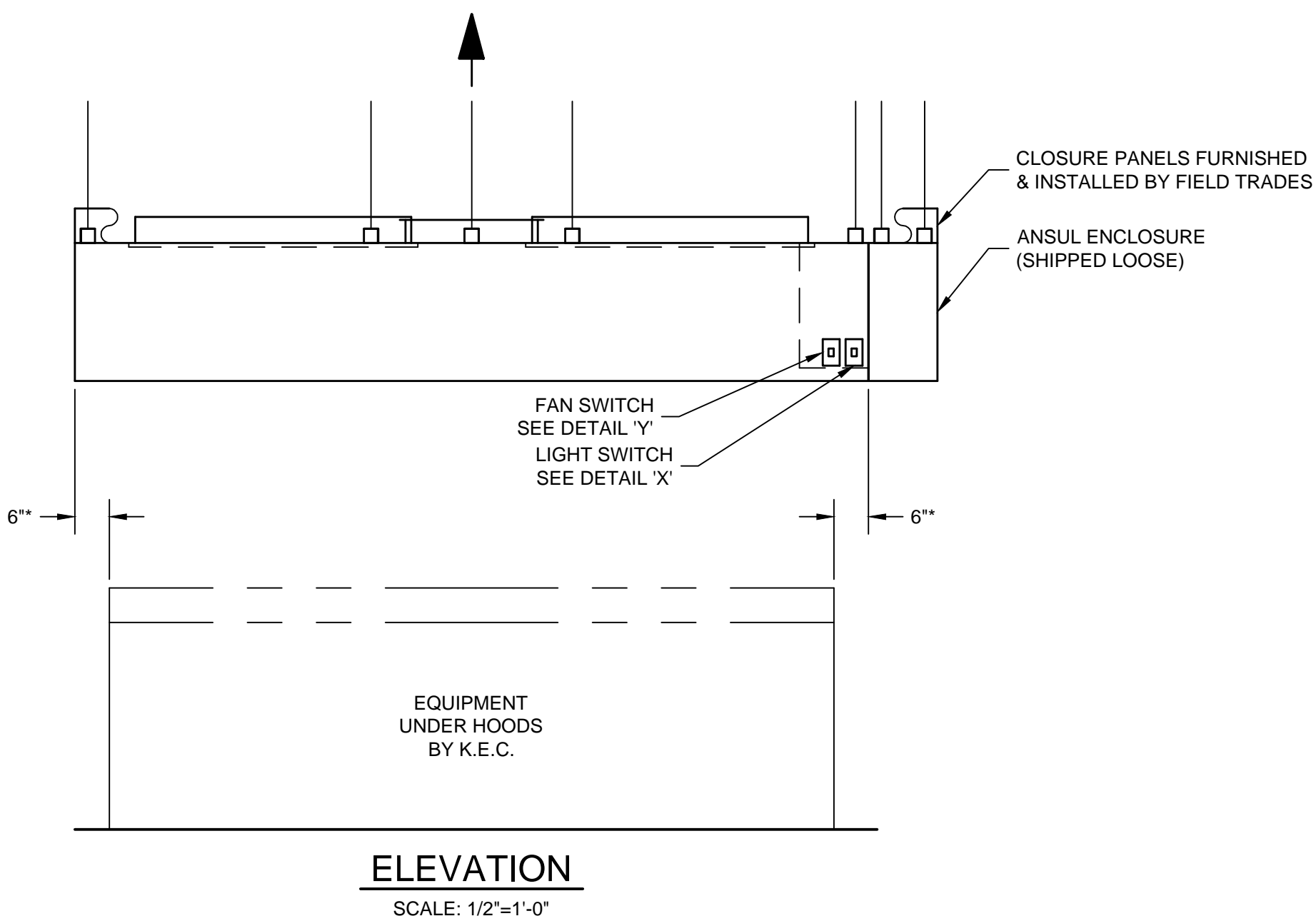
**ELECTRICAL NOTES:**

- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (D) BY CADDY. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY ELECTRICAL CONTRACTOR.



TOTAL EXHAUST : 2,875 C.F.M.

1 10" X 23" EXHAUST DUCT  
2,875 C.F.M. @ 1.30" S.P.



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"

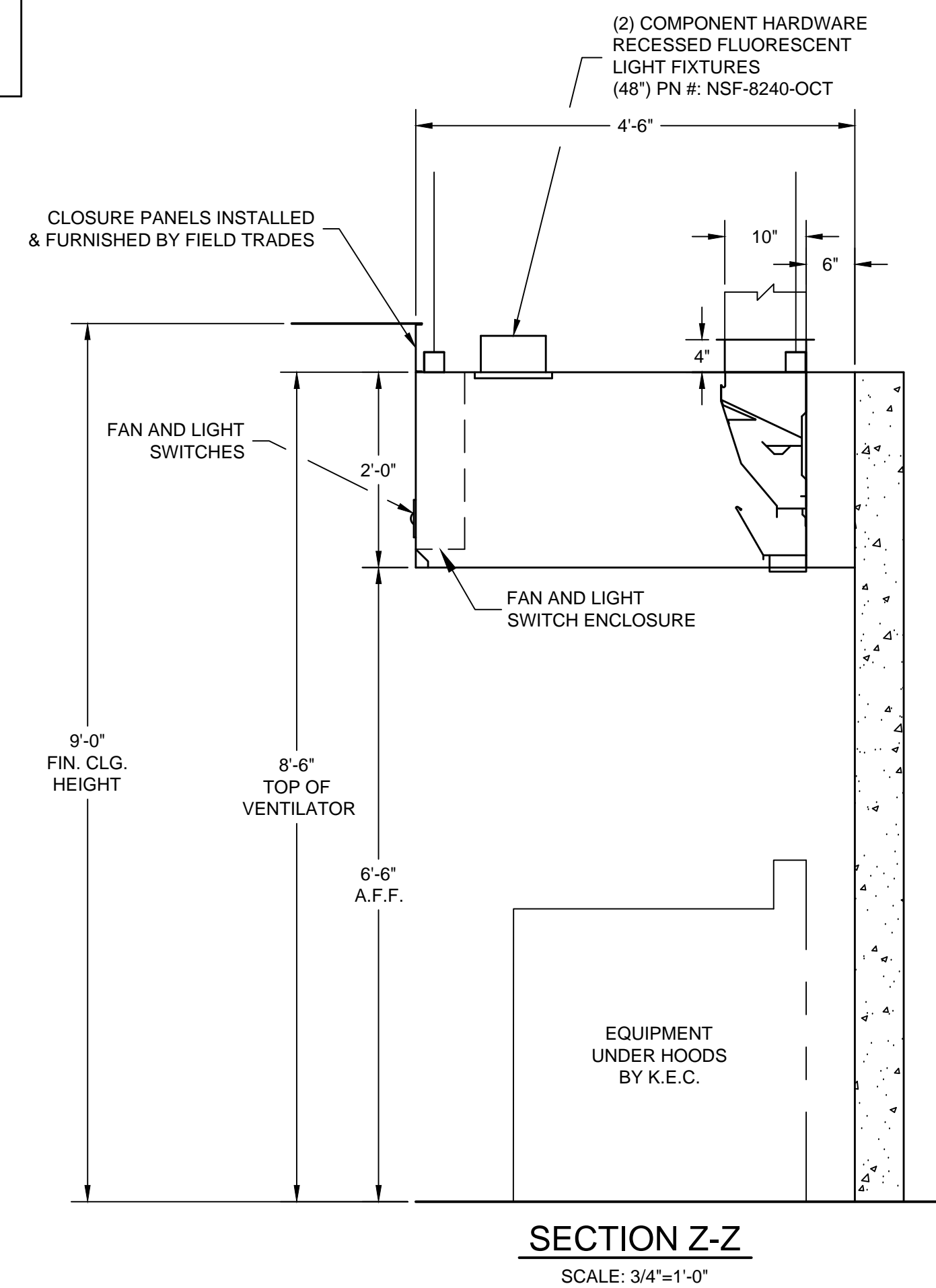
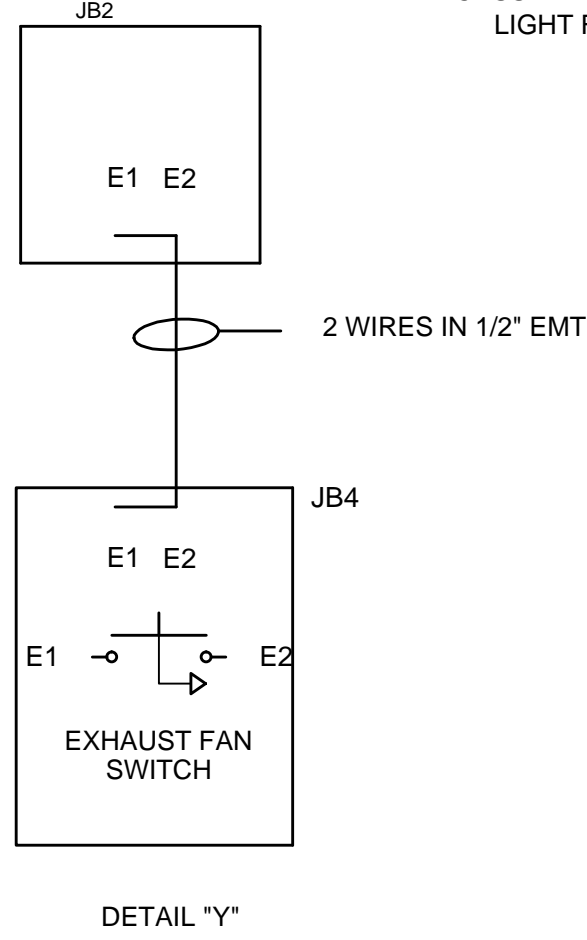
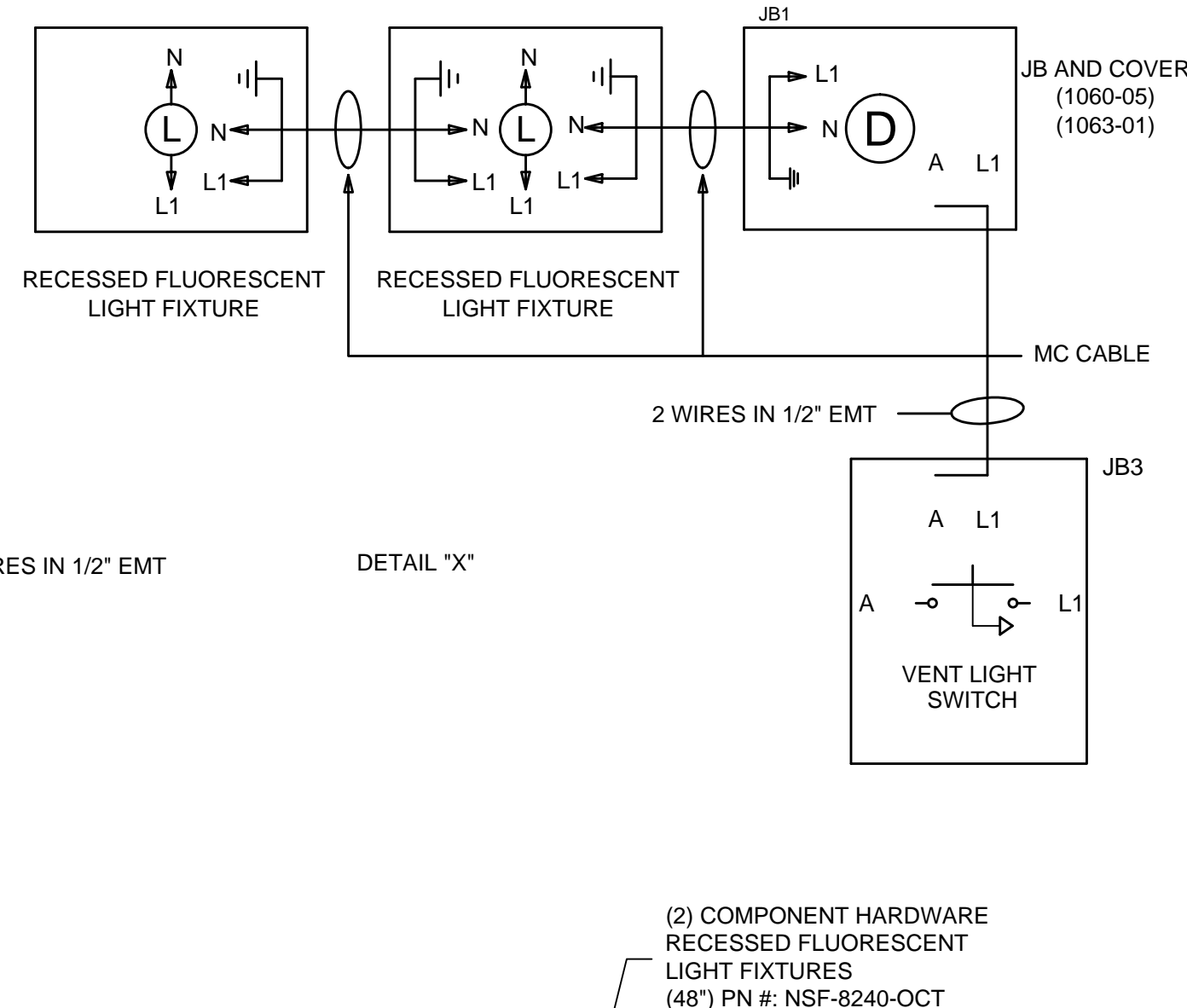
**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 11'-6" LONG x 4'-6" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 900 LBS.

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

**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
- EXHAUST C.F.M. BASED ON 247 C.F.M. PER LINEAR FOOT.
  - EXHAUST STATIC PRESSURE IS 1.30" 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, TYPE 304 NO. 4 FINISH.
- 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 SHUT OFF UPON ACTIVATION OF THE SYSTEM.
- ELECTRICAL REQUIREMENTS:**
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD
E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL
SYSTEM BY E.C. (UNINTERRUPTED)		

REVISIONS			
REV	DATE	BY	REMARKS
A	9-9-03	BJW	ADDED ANSUL BOX AND CLOSURE PANELS PER DRAWINGS RECEIVED 9/9/03
B	12-15-03	SWL	FABRICATED PER APPROVED DRAWING

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

**EQUIPMENT SCHEDULE**

SH-C-54

CADDY NO. 06608-10 ITEM NO. 213

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #2)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

DATE: 06/23/03 SCALE: AS NOTED  
DR BY: DRA APP'D BY:

**DWG# D-1-06608** SHT 11 OF 39

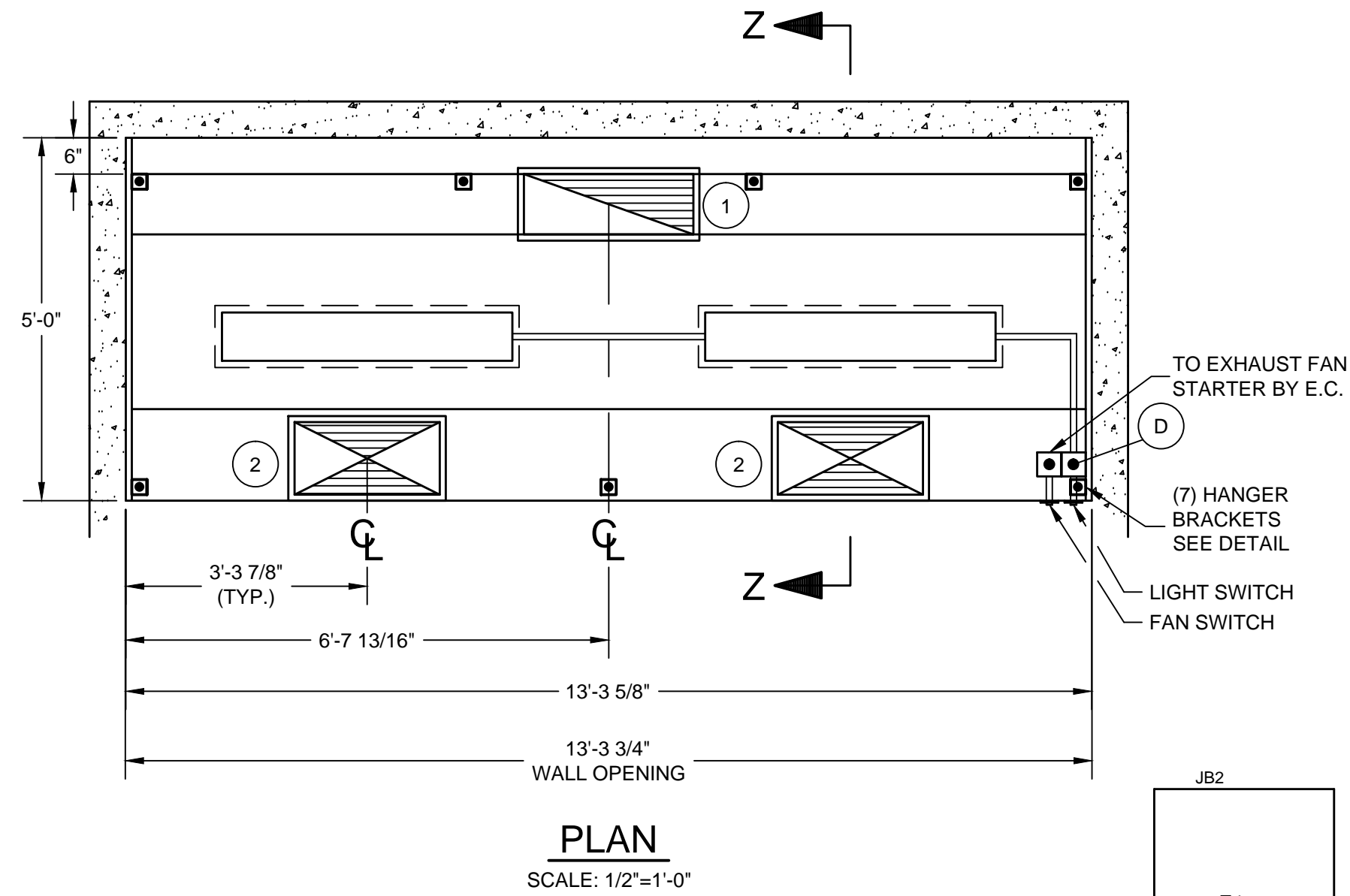
**GENERAL CONTRACT CONDITIONS**  
ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INSOFAR AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY 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.

**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

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

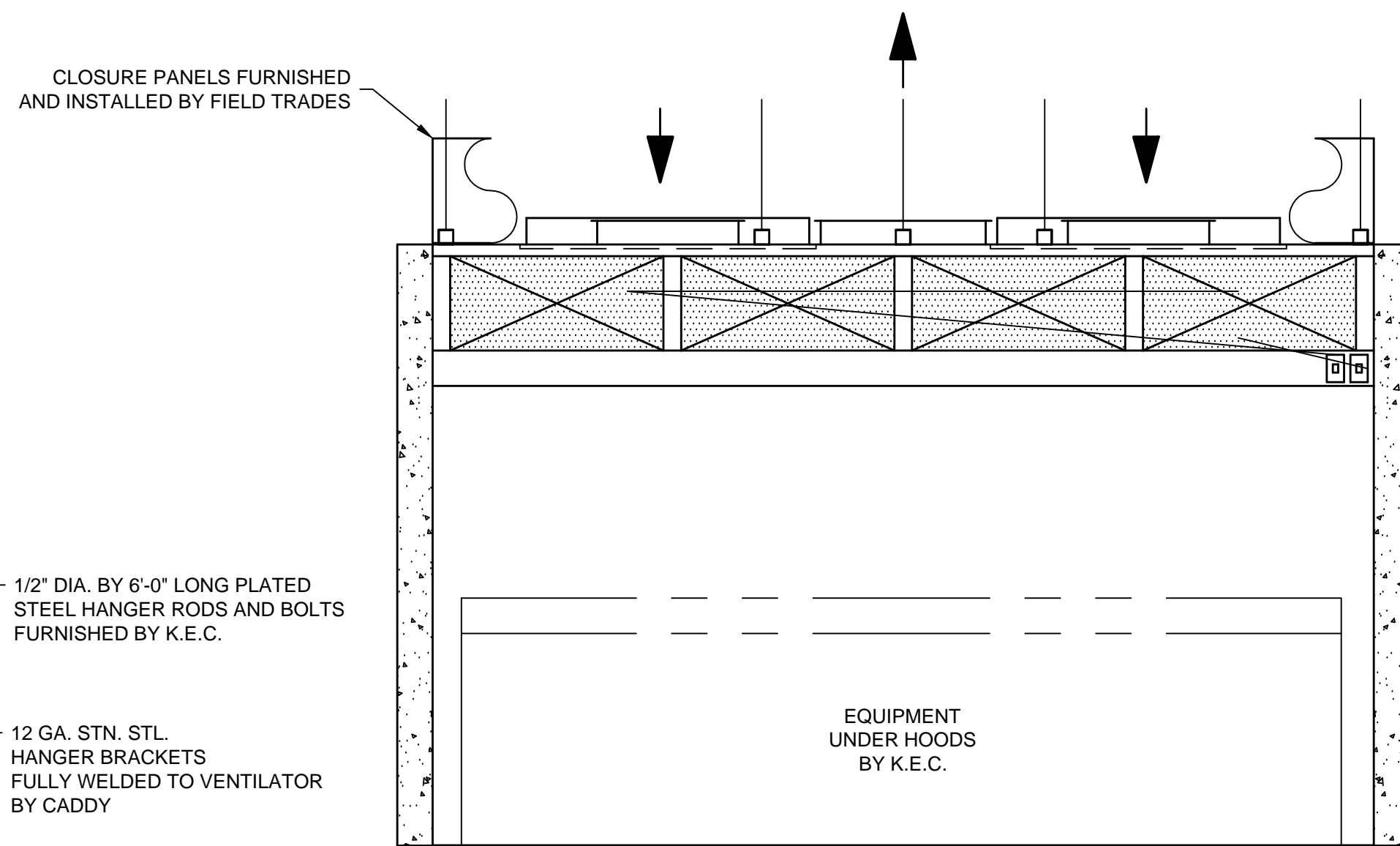
- NATIONAL FIRE PROTECTION ASSOCIATION  
In accordance with Recommendation of National Fire Protection Association's NFPA No. 96 "Vapor Removal from Cooking Equipment"
- NATIONAL SANITATION FOUNDATION  
Standard #2 - "Food Service Equipment"
- UNDERWRITERS LABORATORIES, INC  
Tested under standard U.L. 710 "Exhaust Hoods for Commercial Cooking Equipment". U.L. listed under file number MH8215 and MH12264
- 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)



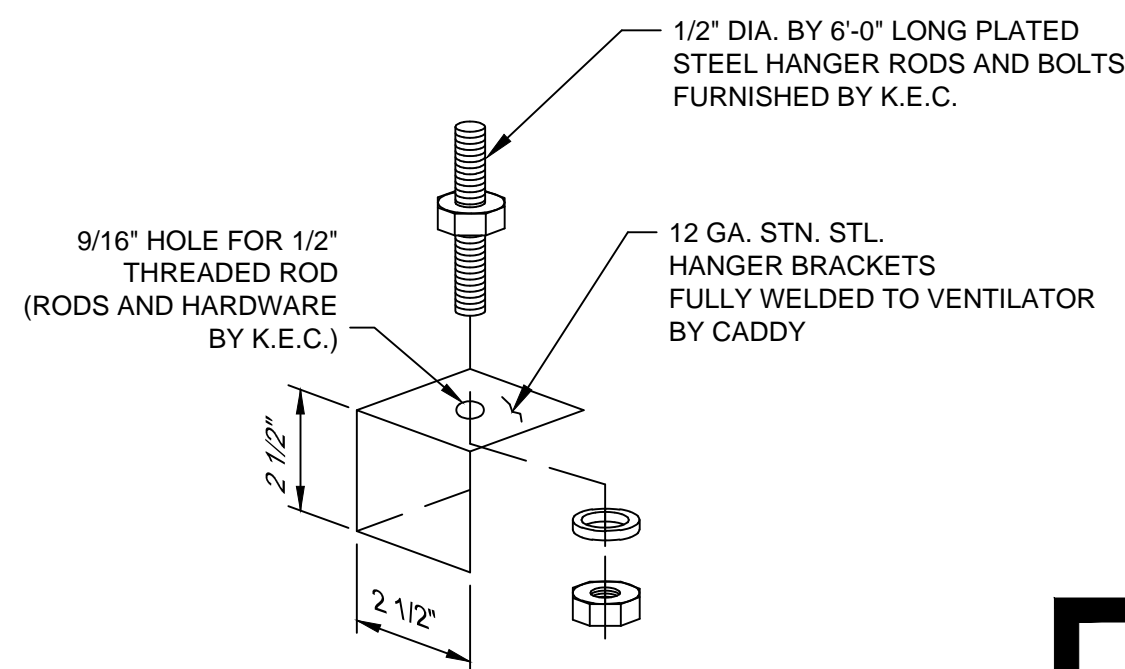
**PLAN**  
SCALE: 1/2"=1'-0"

TOTAL EXHAUST : 3,500 C.F.M.  
TOTAL SUPPLY : 2,800 C.F.M.

- 1 10" X 28" EXHAUST DUCT 3,500 C.F.M. @ 1.30" S.P.
- 2 12" X 24" SUPPLY DUCTS 1,400M. EACH @ 0.20" S.P.



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



**HANGER BRACKET DETAIL**  
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"

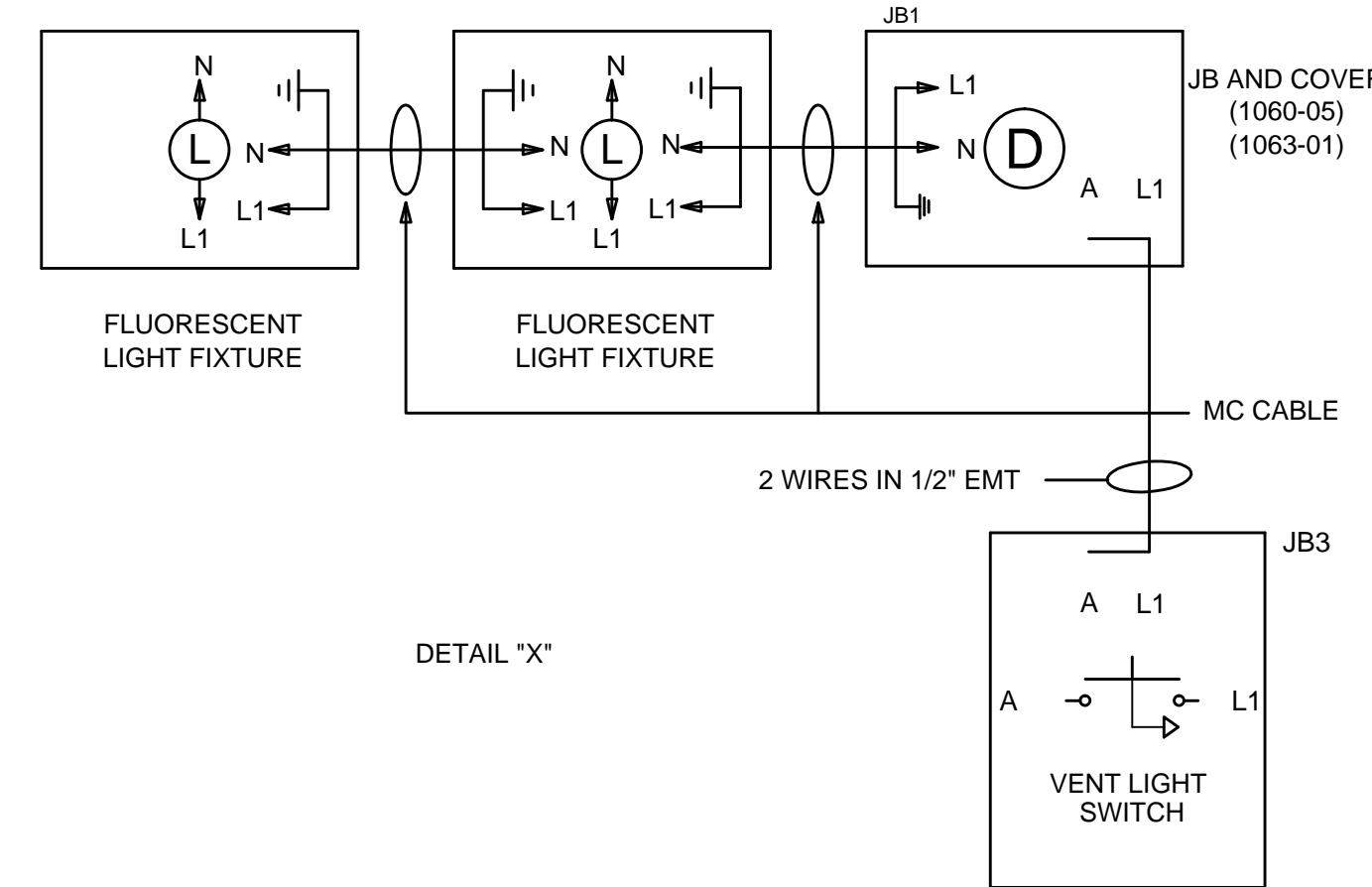
**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 13'-3 5/8" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 1,190 LBS.

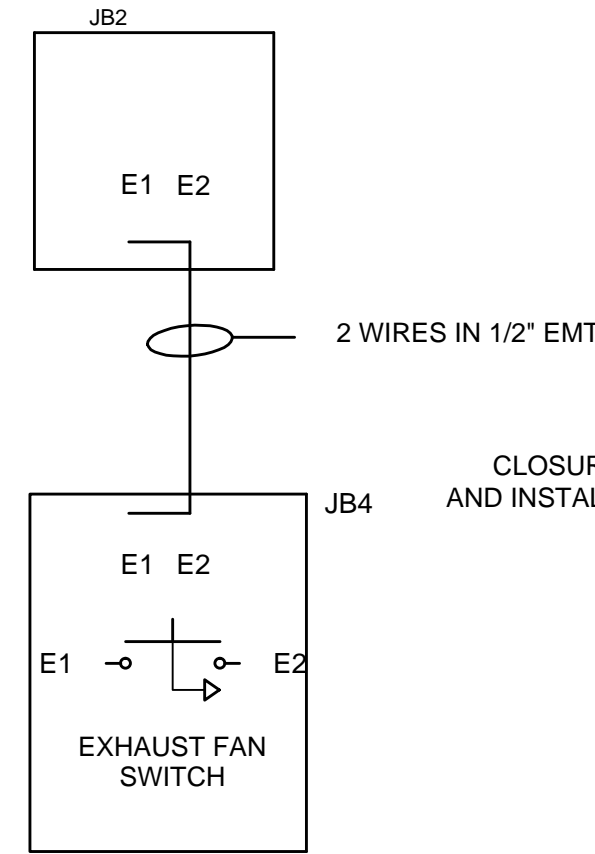
VENTILATOR TO BE SHIPPED IN (1) UNIT. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

**ELECTRICAL NOTES:**

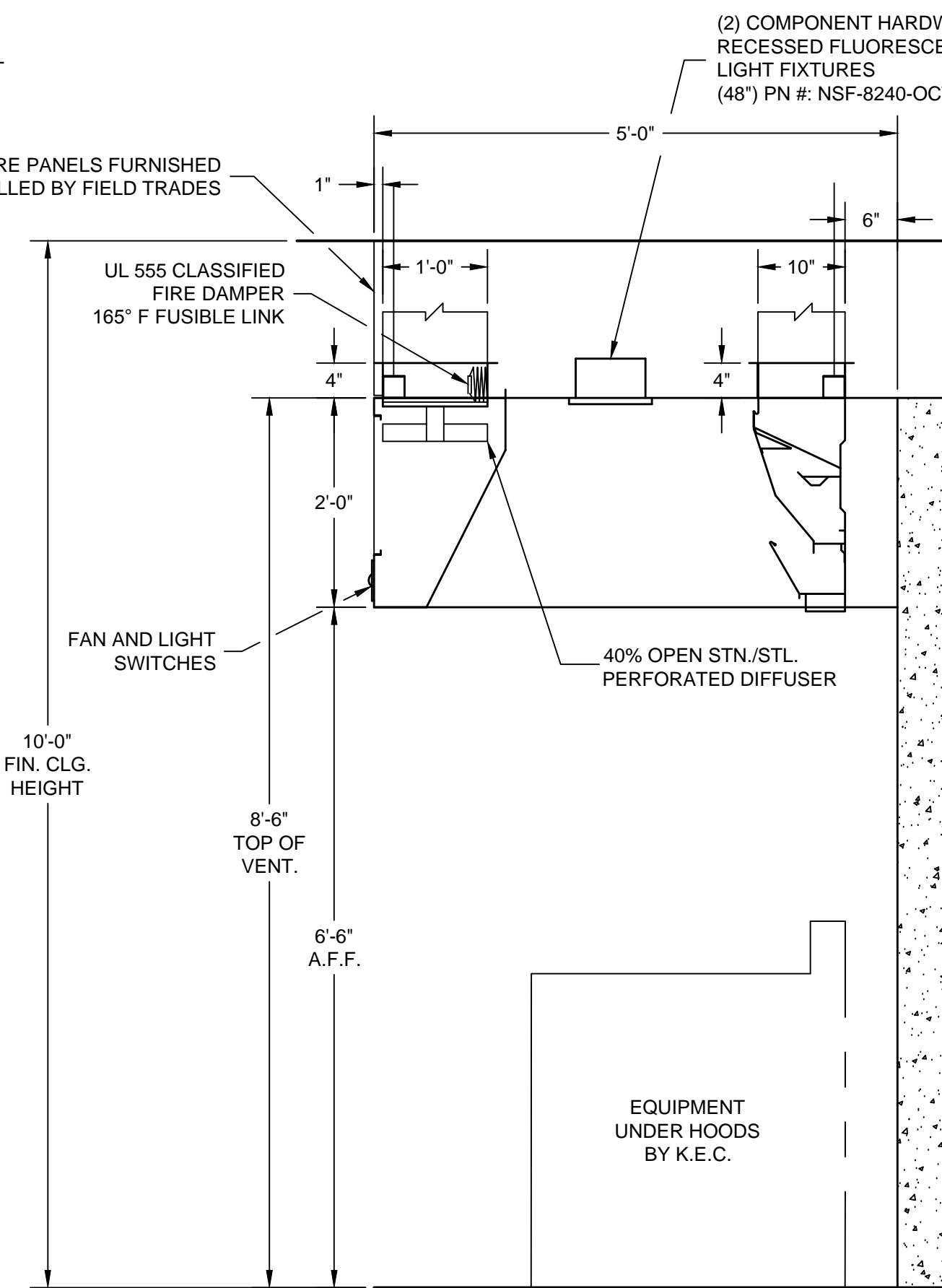
- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120V/160 15 AMP. SERVICE.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.



DETAIL "X"



DETAIL "Y"



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

**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
- EXHAUST C.F.M. BASED ON 250 C.F.M. PER LINEAR FOOT.
  - EXHAUST STATIC PRESSURE IS 1.30" 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 K.E.C.
- CONSTRUCTION:**
- VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
  - VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL, TYPE 304 NO. 4 FINISH.
- 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 SHUT OFF UPON ACTIVATION OF THE SYSTEM.
- ELECTRICAL REQUIREMENTS:**
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY K.E.C.



ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	9-17-03	AGR	ADDED ENCLOSURE PANELS, REVISED HOOD TO UPDATED SH-C-PA1 DESIGN
C	1-16-04	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-12 ITEM NO. 317

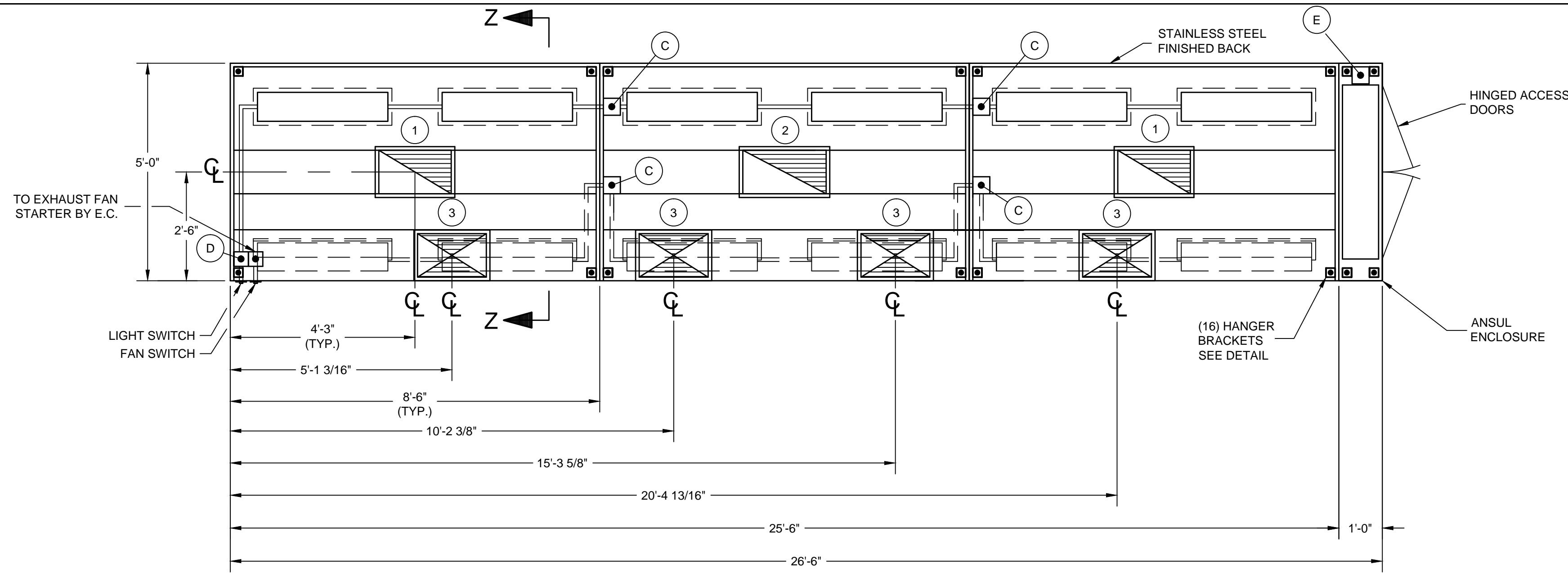
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #3)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608** SHT 12 OF 39

**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.

**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



**PLAN**

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

TOTAL EXHAUST : 9,520 C.F.M.
TOTAL SUPPLY : 7,620 C.F.M.

① 12" X 20" EXHAUST DUCTS 3,060 C.F.M. EACH @ 1.60" S.P.	③ 12" X 19" SUPPLY DUCTS 1,905 C.F.M. EACH @ 0.20" S.P.
② 12" X 23" EXHAUST DUCT 3,400 C.F.M. @ 1.60" S.P.	

**ELECTRICAL NOTES:**

- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**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 MH8215 and MH12264

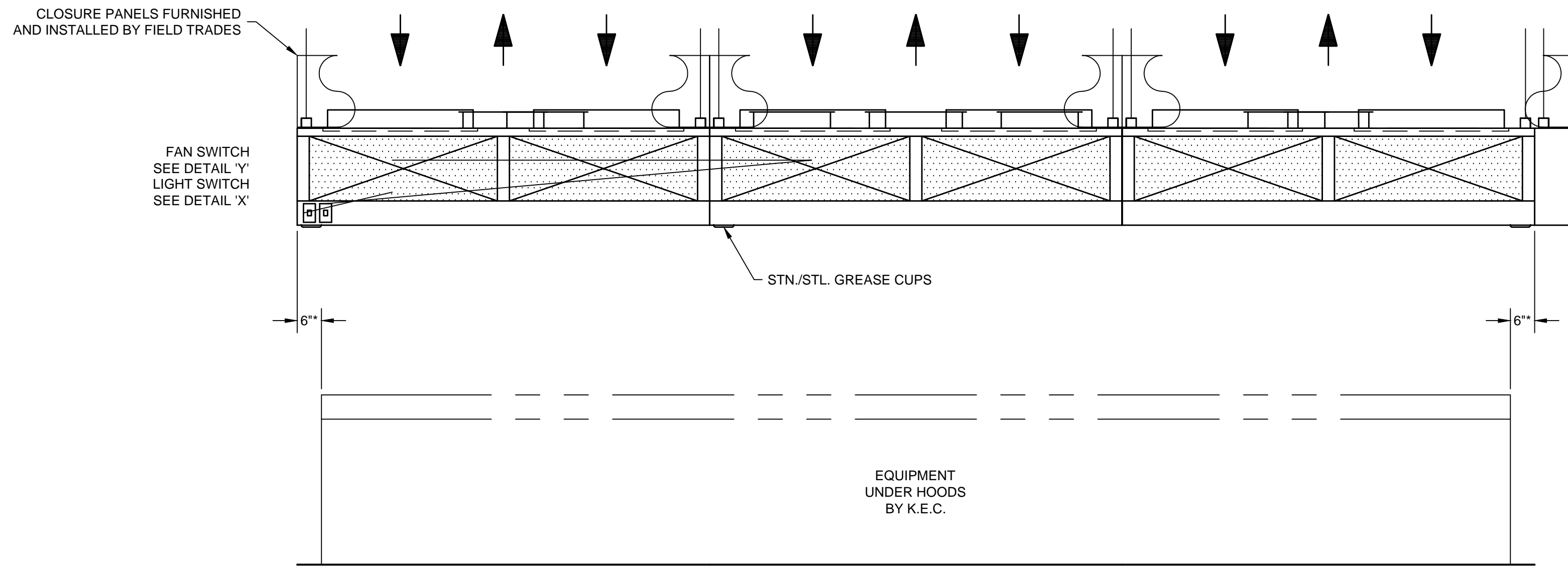
UNIFORM MECHANICAL CODE  
Section 507 - Commercial Kitchen Hoods and Kitchen Ventilation Systems

THE BOCA NATIONAL MECHANICAL CODE  
Chapter 5 - Kitchen Exhaust Equipment

STANDARD MECHANICAL CODE (SBCCI)  
Section 504 - Commercial Hoods

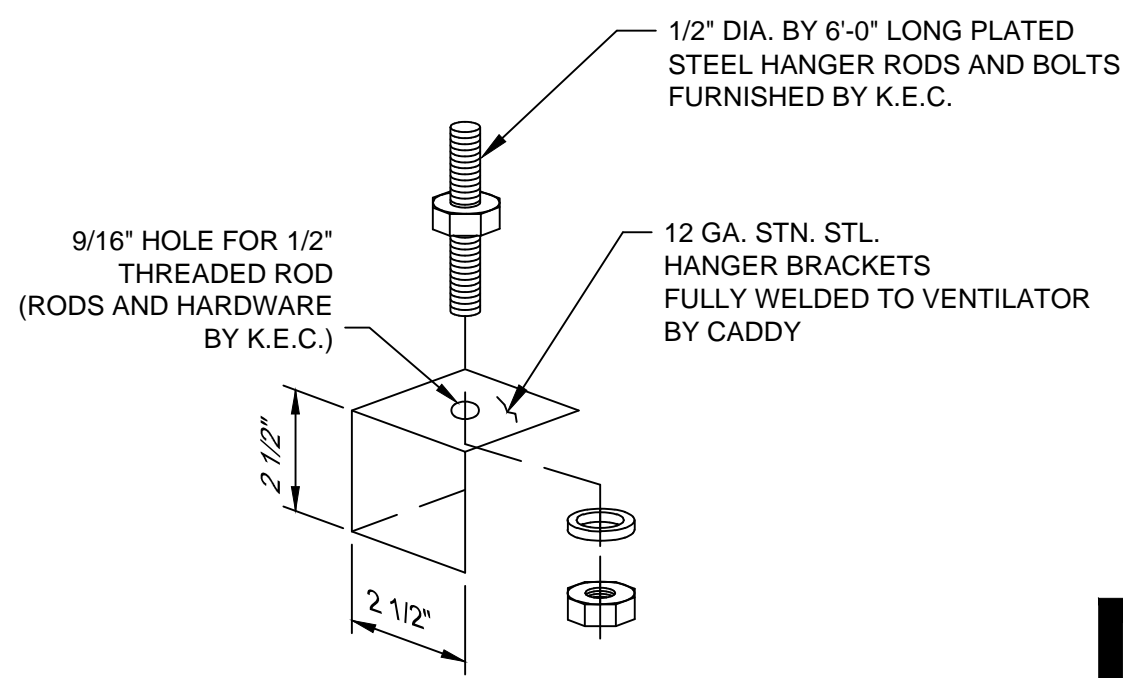
UNIFORM BUILDING CODE (ICBO)

INTERNATIONAL MECHANICAL CODE (IMC)



**ELEVATION**

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



**HANGER BRACKET DETAIL**

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"**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
9'-6" LONG x 5'-0" WIDE x 28'-1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 2,390 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		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.96K.W. CONNECTED LOAD
E	1	120/60/1 15 AMP UNINTERRUPTED
		TO ANSUL SYSTEM BY E.C.

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	9-17-03	AGR	ADDED ENCLOSURE PANELS, REVISED HOOD TO UPDATED SH-C-II-PA-I DESIGN, REDUCED NUMBER OF SUPPLY DUCTS TO 4.
C	12-12-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-II-PA-I-60

CADDY NO. 06608-13 ITEM NO. 320

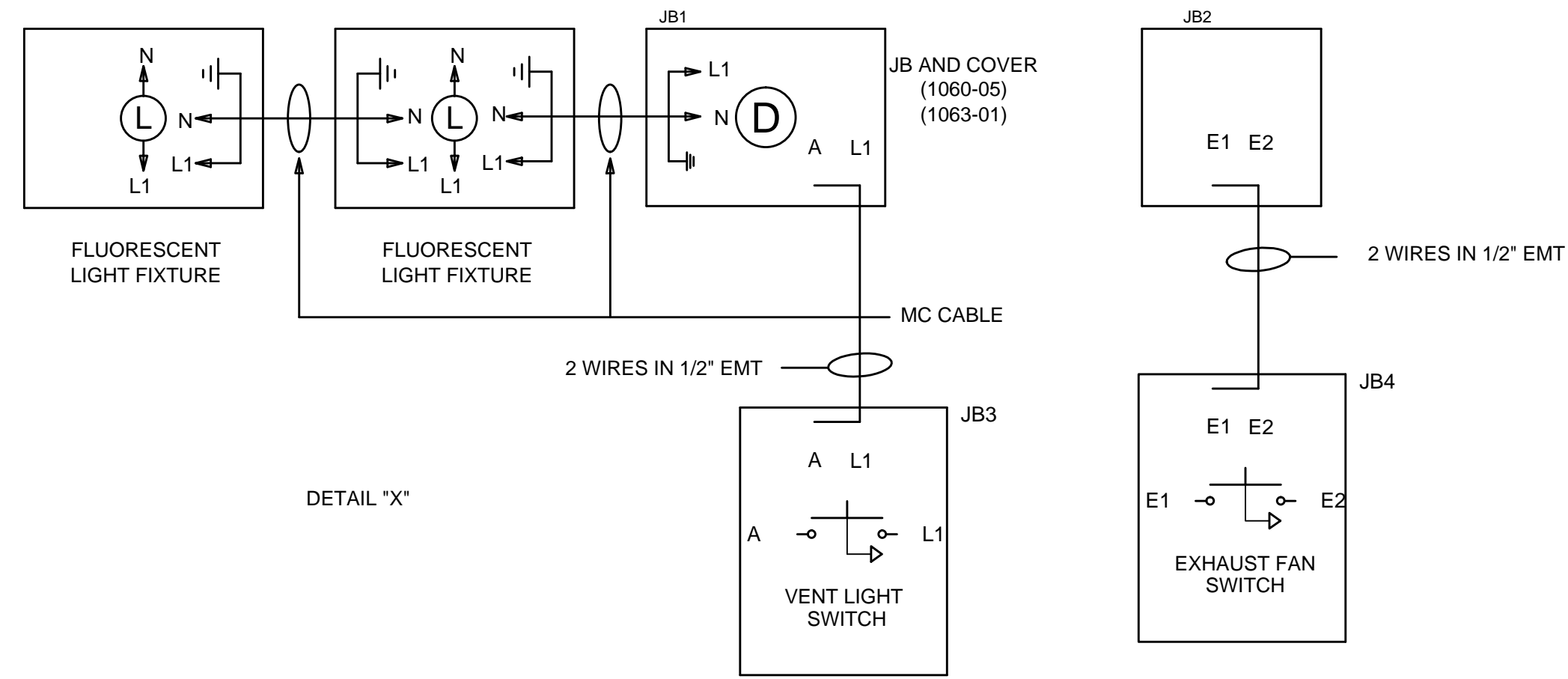
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCTOR #3)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608**      SHT 13 OF 39

**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.

**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

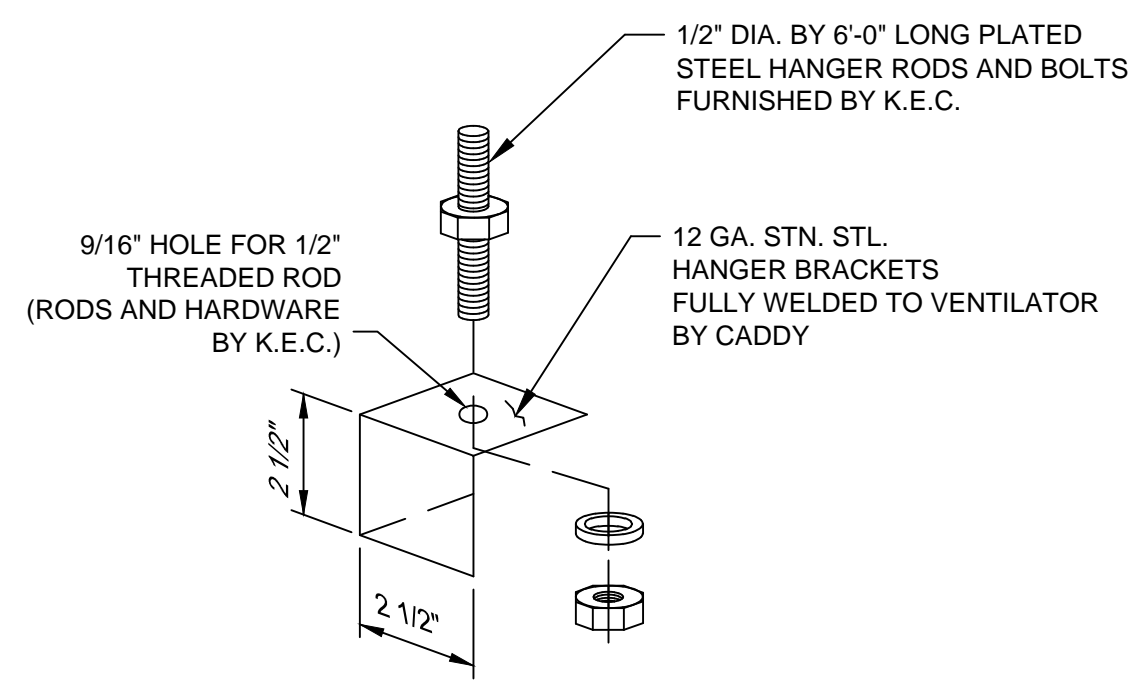
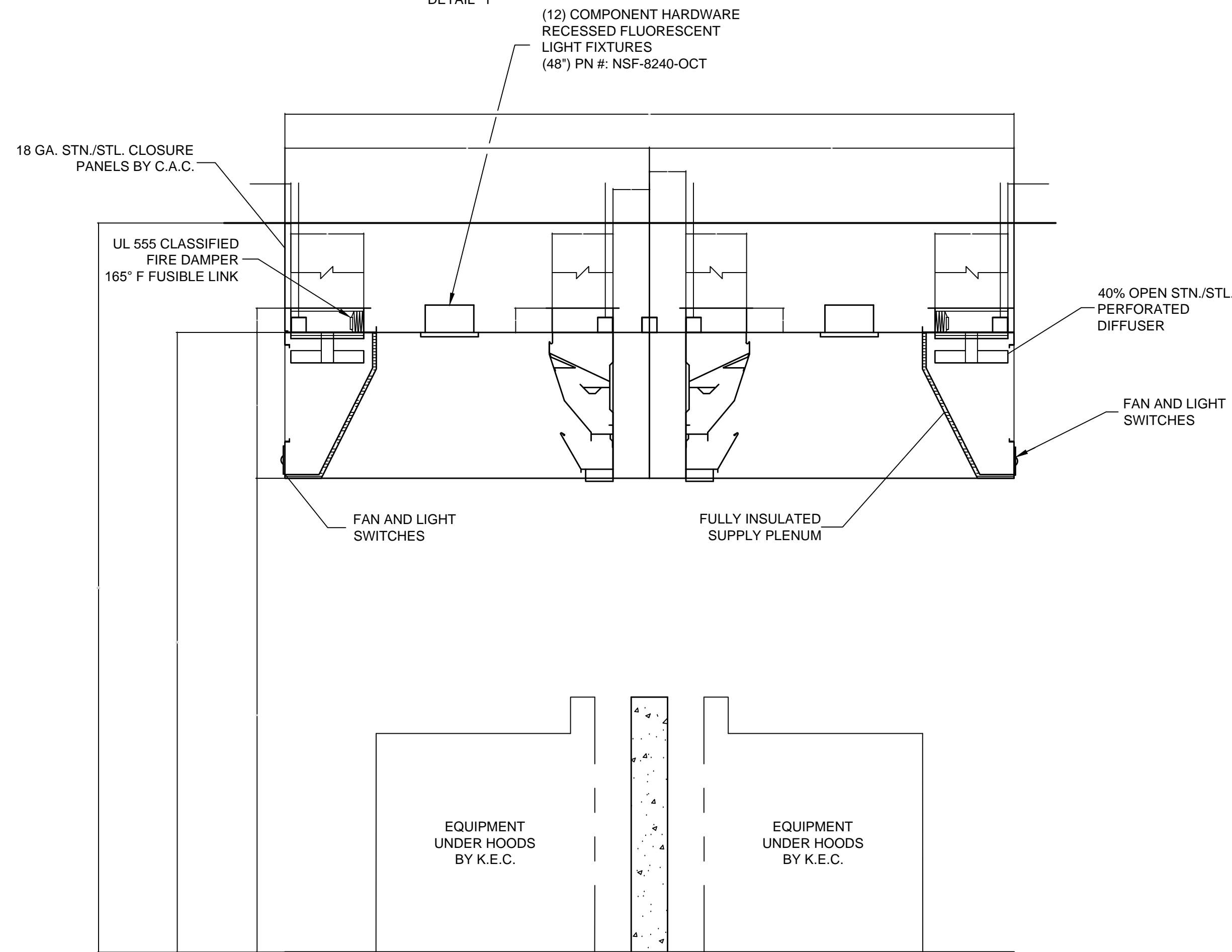


**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
1. EXHAUST C.F.M. BASED ON VARIOUS 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.
- MAKE-UP AIR REQUIREMENTS:**
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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.
- INSTALLATION:**
1. 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.).**
1. 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.
  2. MOUNTING RODS FURNISHED AND INSTALLED BY K.E.C.
- CONSTRUCTION:**
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
  2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL, TYPE 304 NO. 4 FINISH.
- FIRE PROTECTION:**
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
  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 U.L. 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 K.E.C.



**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.**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 9'-6" LONG x 5'-0" WIDE x 28-1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 2,390 LBS.

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

SYM		QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.96K.W. CONNECTED LOAD	
E	1	120/60/1 15 AMP UNINTERRUPTED	
TO ANSUL SYSTEM BY E.C.			

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	9-17-03	AGR	ADDED ENCLOSURE PANELS, REVISED HOOD TO UPDATED SH-C-PA1 DESIGN
C	12-12-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-II-PA-I-60

CADDY NO. 06608-13 ITEM NO. 320

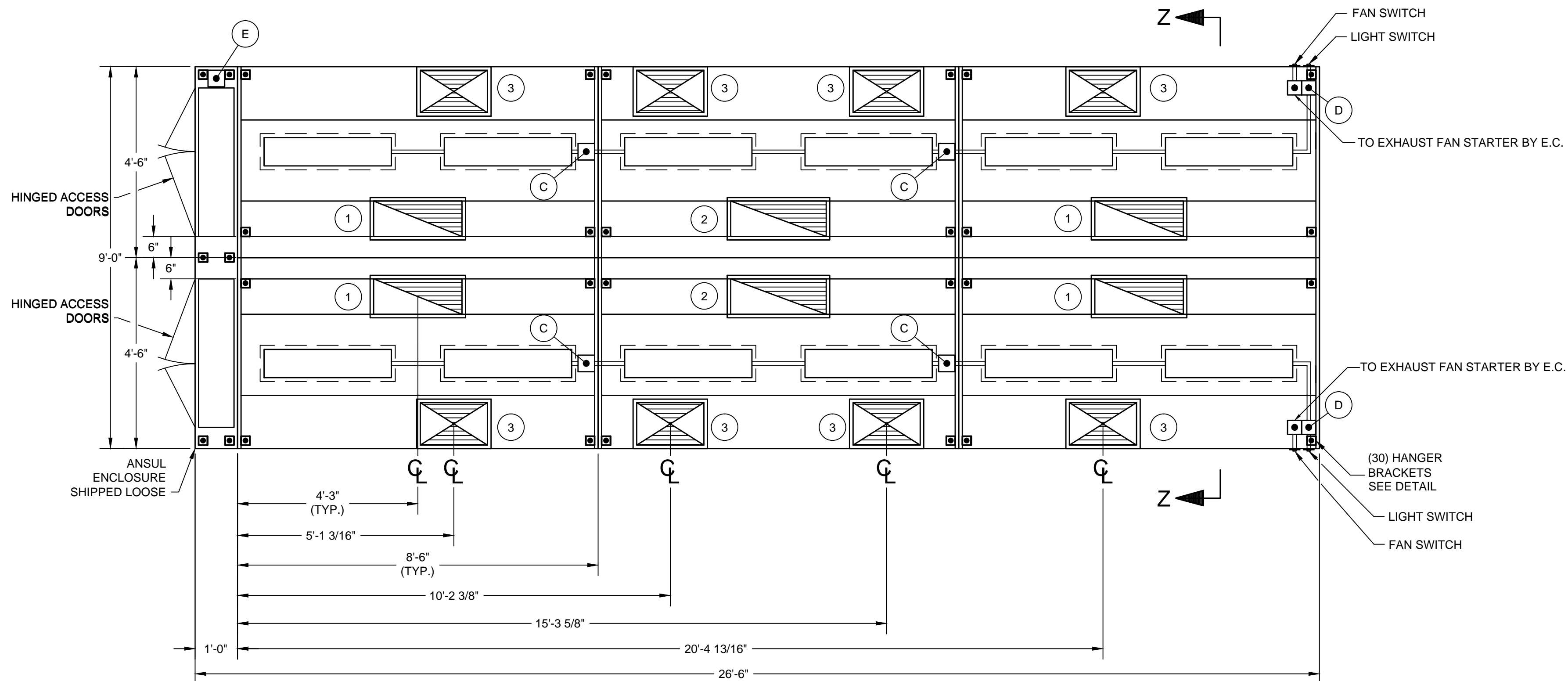
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #3)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608** SHT 14 OF 39

**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.

**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

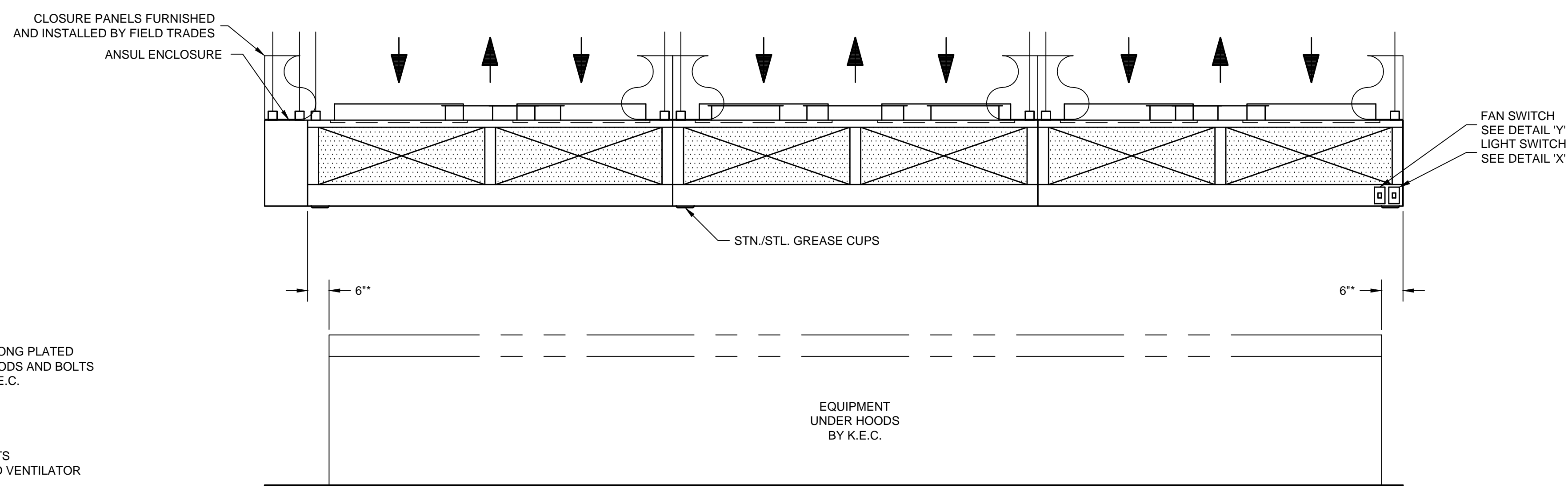


**PLAN**  
SCALE: 1/2"=1'-0"

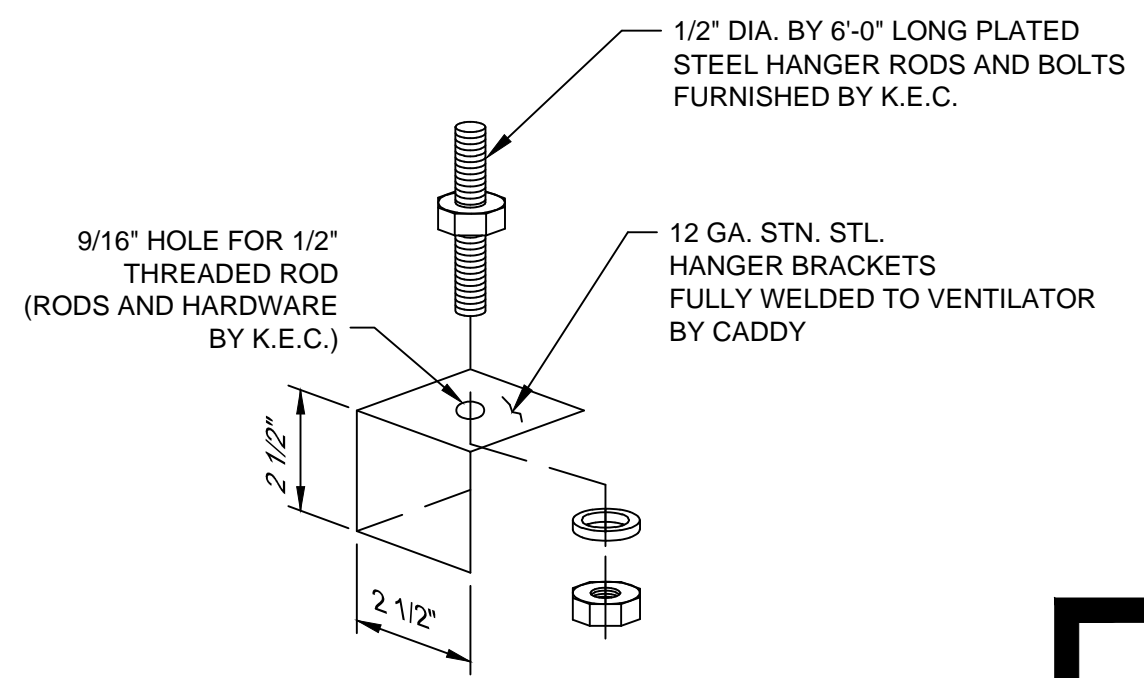
**ELECTRICAL NOTES:**  
1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.  
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

TOTAL EXHAUST : 19,040 C.F.M.  
TOTAL SUPPLY : 15,240 C.F.M.

- 1 10' X 25' EXHAUST DUCTS  
3,060 C.F.M. EACH @ 1.60" S.P.
- 2 10' X 27' EXHAUST DUCTS  
3,400 C.F.M. EACH @ 1.60" S.P.
- 3 12' X 19' SUPPLY DUCTS  
1,905 C.F.M. EACH @ 0.20" S.P.



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



**HANGER BRACKET DETAIL**  
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"**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
8'-6" LONG x 5'-0" WIDE x 28 1/2" HIGH  
MAXIMUM ANSUL ENCLOSURE DIMENSIONS  
9'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 4,340 LBS.

VENTILATOR TO BE SHIPPED IN (7) UNITS.  
ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

**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 MH8215 and MH12264
- 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)



**ROUGH-IN SCHEDULE**

SYM	QTY	DESCRIPTION
D	2	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD (EACH)
E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL
SYSTEM BY E.C. (UNINTERRUPTED)		

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	9-17-03	AGR	ADDED ENCLOSURE PANELS, REVISED HOOD TO UPDATED SH-C-PA1 DESIGN
C	12-9-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-54

CADDY NO. 06608-14 ITEM NO. 320A

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #3)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

DATE: 06/23/03 SCALE: AS NOTED  
DR BY: DRA APP'D BY:

**DWG# D-1-06608** SHT 15 OF 39

**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.

**CONTRACTOR NOTE:**  
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

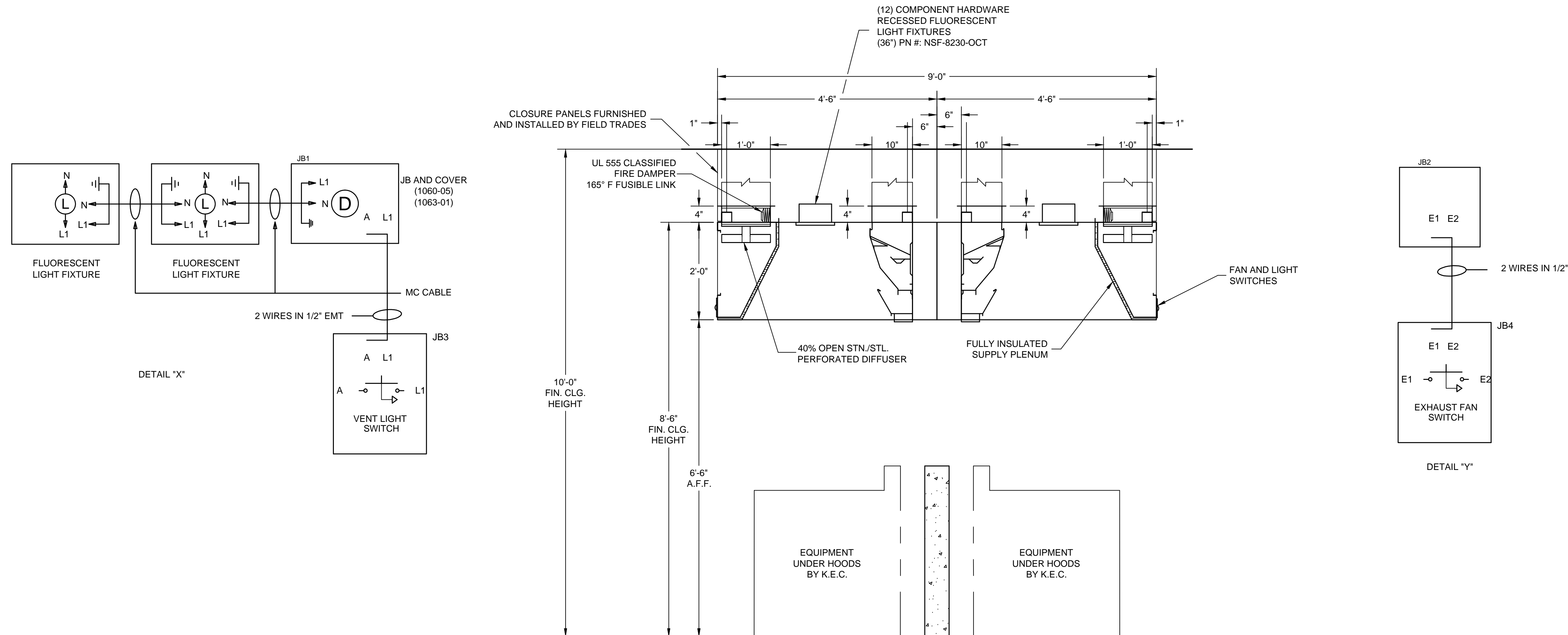
**MAKE-UP AIR NOTE:**  
AIR TEMPERATURE SHOULD RANGE FROM 60° TO 65° F, BUT MAY BE AS LOW AS 50° F DEPENDING ON AIR VOLUME, DISTRIBUTION, AND INTERNAL HEAT LOAD

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

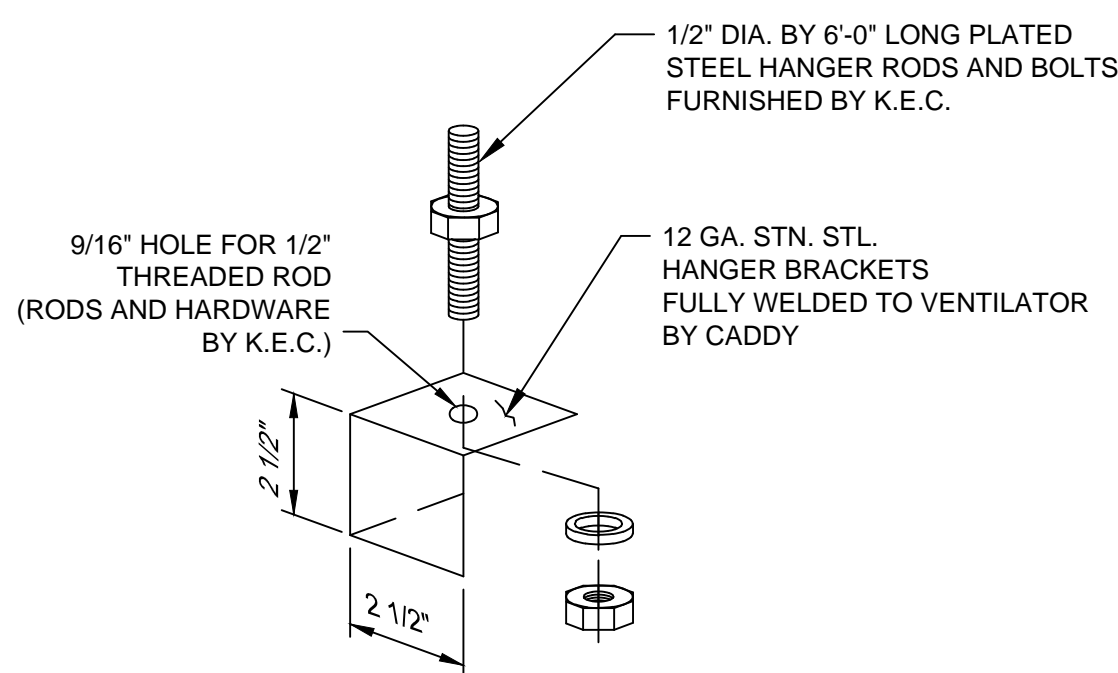
**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.
- MAKE-UP AIR REQUIREMENTS:**
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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.
- INSTALLATION:**
1. 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.).**
1. 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.
  2. MOUNTING RODS FURNISHED AND INSTALLED BY K.E.C.
- CONSTRUCTION:**
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
  2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL, TYPE 304 NO. 4 FINISH.
- FIRE PROTECTION:**
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
  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 U.L. 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 K.E.C.



**SECTION Z-Z**

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



**HANGER BRACKET DETAIL**

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.**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
 MAXIMUM VENTILATOR DIMENSIONS 8'-6" LONG x 5'-0" WIDE x 28 1/2" HIGH  
 MAXIMUM ANSUL ENCLOSURE DIMENSIONS 9'-0" LONG x 1'-0" WIDE x 26 1/2" HIGH  
 ESTIMATED TOTAL HANGING WEIGHT: 4,340 LBS.

VENTILATOR TO BE SHIPPED IN (7) UNITS.  
 ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

ROUGH-IN SCHEDULE		DATE	BY	REMARKS
SYM	QTY			
D	2			120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD (EACH)
E	1			120V, 60HZ, 1PH, 15 A. SERVICE TO ANSUL
SYSTEM BY E.C. (UNINTERRUPTED)				

REVISIONS				
REV	DATE	BY	REMARKS	
A	7-29-03	DRA	NO CHANGES TO THIS SHEET	
B	9-17-03	AGR	ADDED ENCLOSURE PANELS, REVISED HOOD TO UPDATED SH-C-PA1 DESIGN	
C	12-9-03	B.W	FABRICATED PER APPROVED DRAWINGS	

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-54

CADDY NO. 06608-14 ITEM NO. 320A

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #3)  
 LOC: CINCINNATI, OH  
 CUST:  
 CUST#:

DATE: 06/23/03 SCALE: AS NOTED  
 DR BY: DRA APP'D BY:

**DWG# D-1-06608** SHT 16 OF 39

**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.

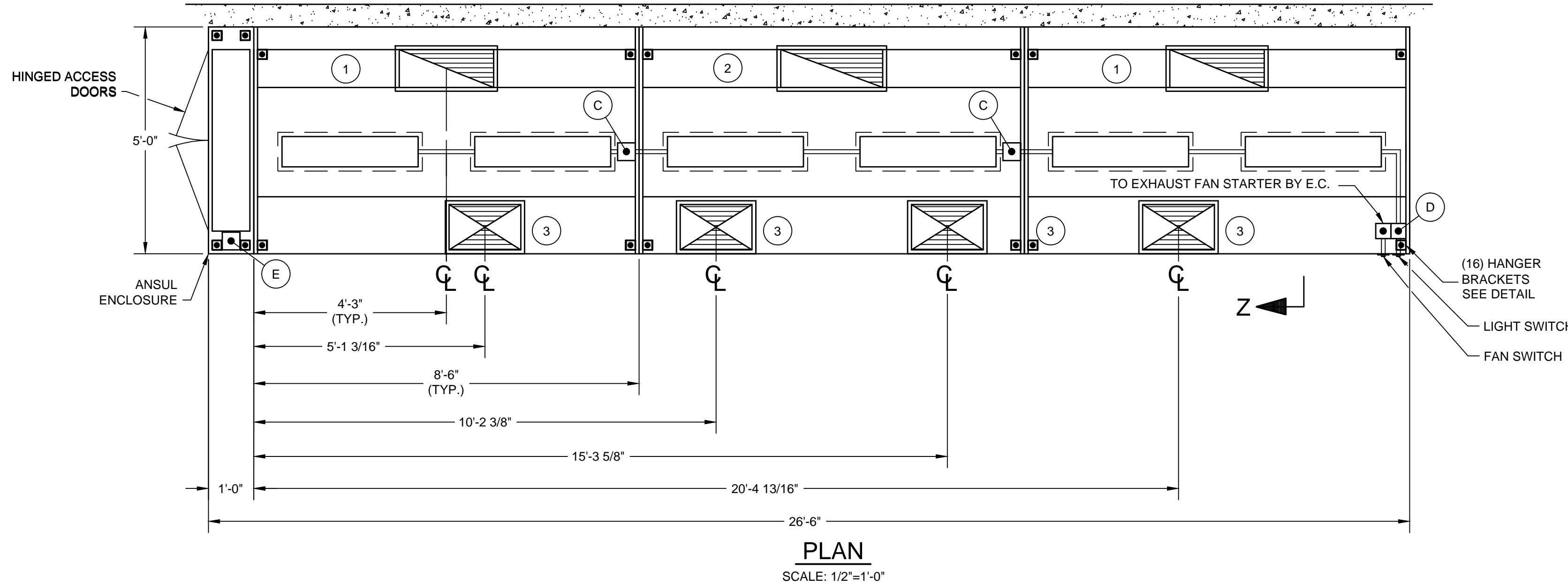


**CONTRACTOR NOTE:**  
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
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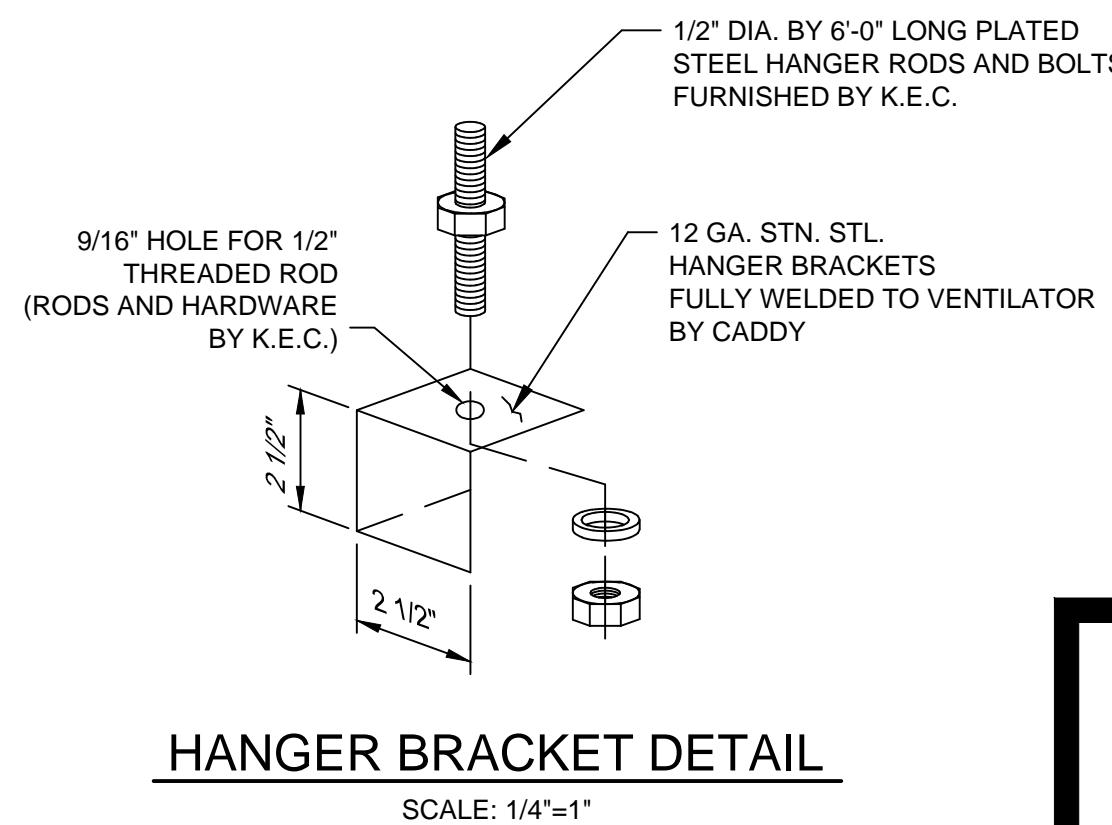
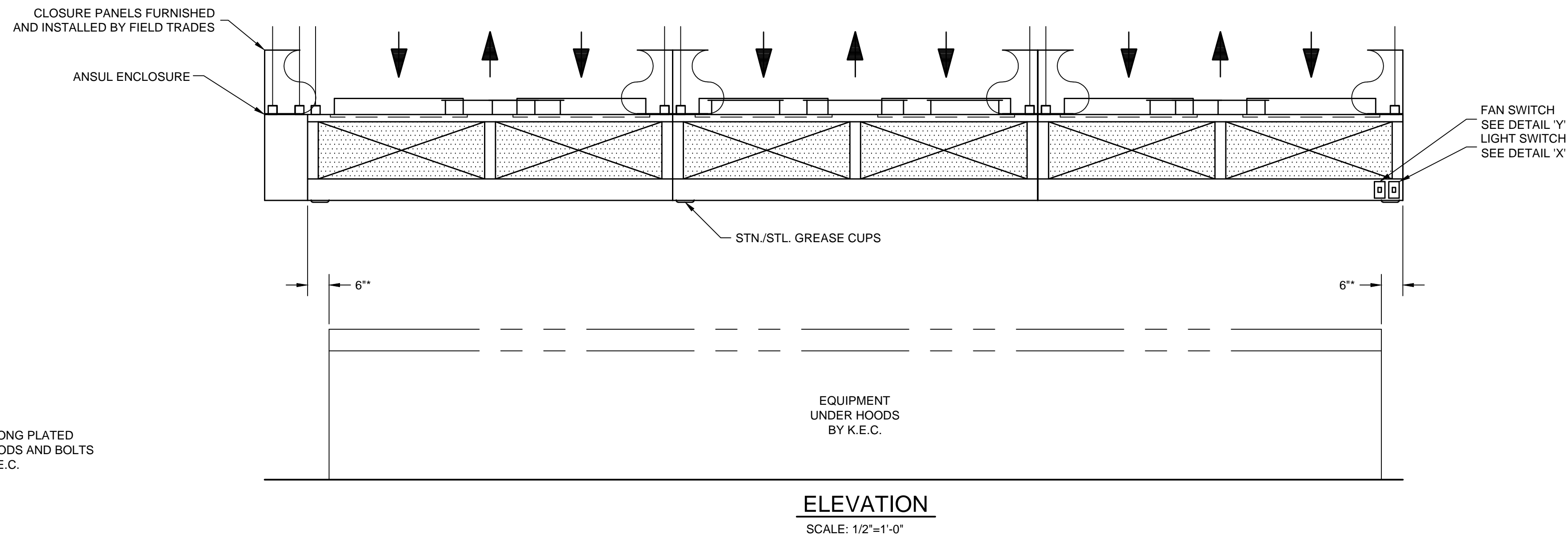


TOTAL EXHAUST : 9,520 C.F.M.  
TOTAL SUPPLY : 7,620 C.F.M.

- 1 10" X 25" EXHAUST DUCTS  
3,060 C.F.M. EACH @ 1.60" S.P.
- 2 10" X 27" EXHAUST DUCT  
3,400 C.F.M. @ 1.60" S.P.
- 3 12" X 19" SUPPLY DUCTS  
1,905 C.F.M. EACH @ 0.20" S.P.

**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 MH8215 and MH12264
- 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)



**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.  
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**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
9'-6" LONG x 5'-0" WIDE x 28 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 2,270 LBS.

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

SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD
E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL
SYSTEM BY E.C. (UNINTERRUPTED)		

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	9-17-03	AGR	ADDED ENCLOSURE PANELS, REVISED HOOD TO UPDATED SH-C-PA1 DESIGN
C	12-10-03	B.J.W.	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-15 ITEM NO. 345

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #3)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608** SHT 17 OF 39

**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.

**MAKE-UP AIR REQUIREMENTS:**

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.
1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

1. 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.).

1. 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.
2. MOUNTING RODS FURNISHED AND INSTALLED BY K.E.C.

**CONSTRUCTION:**

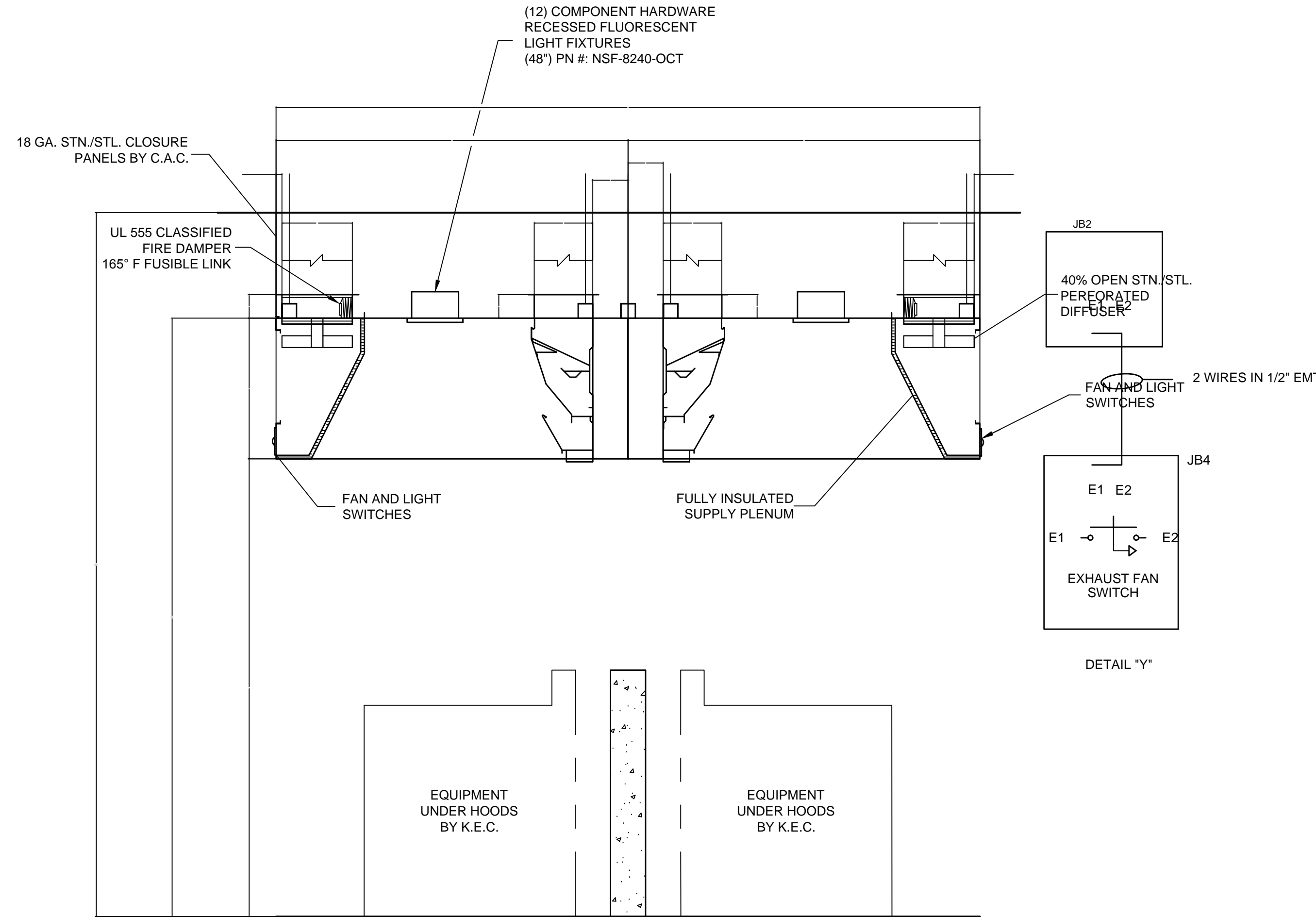
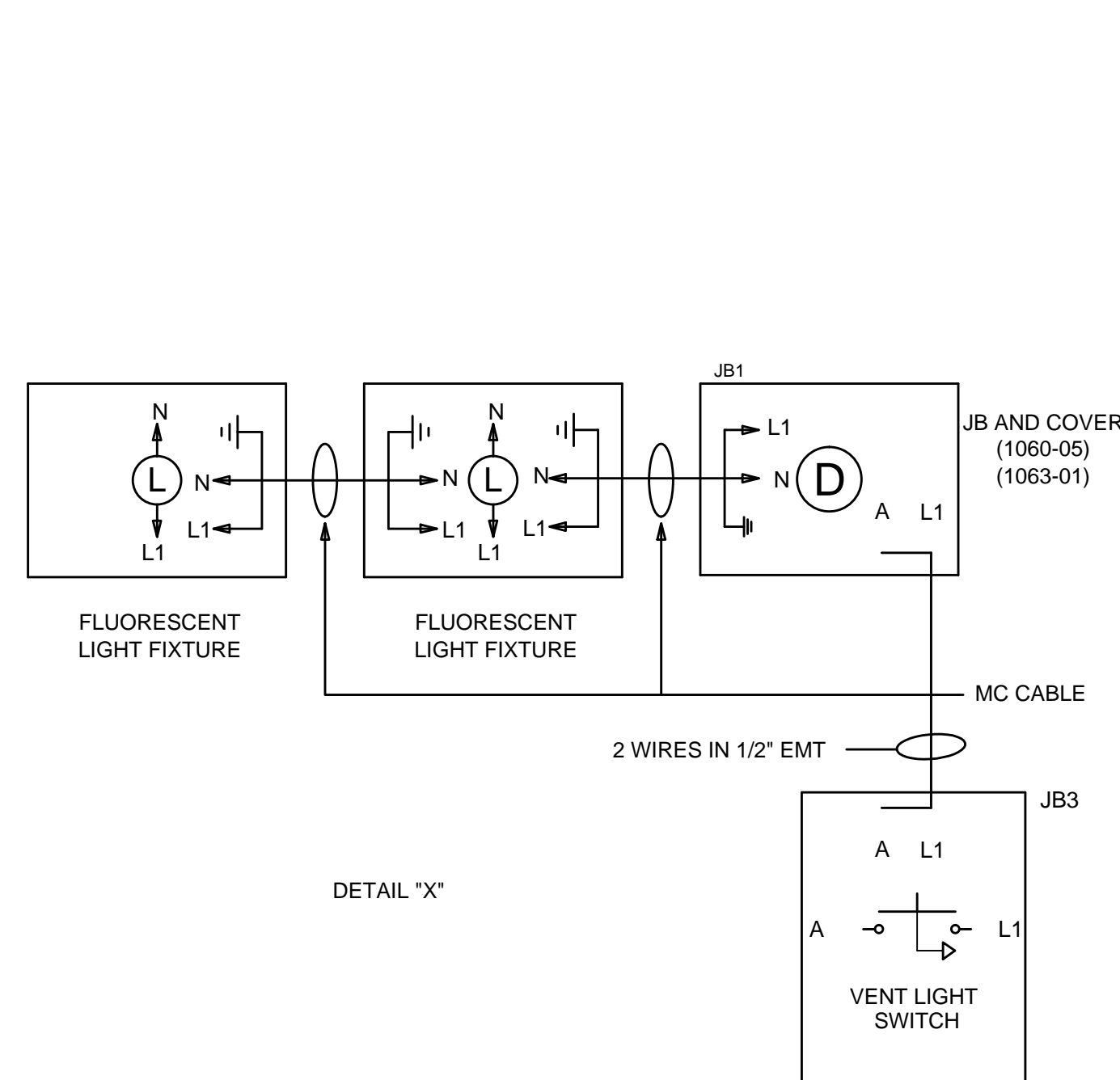
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**FIRE PROTECTION:**

1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
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 U.L. 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.

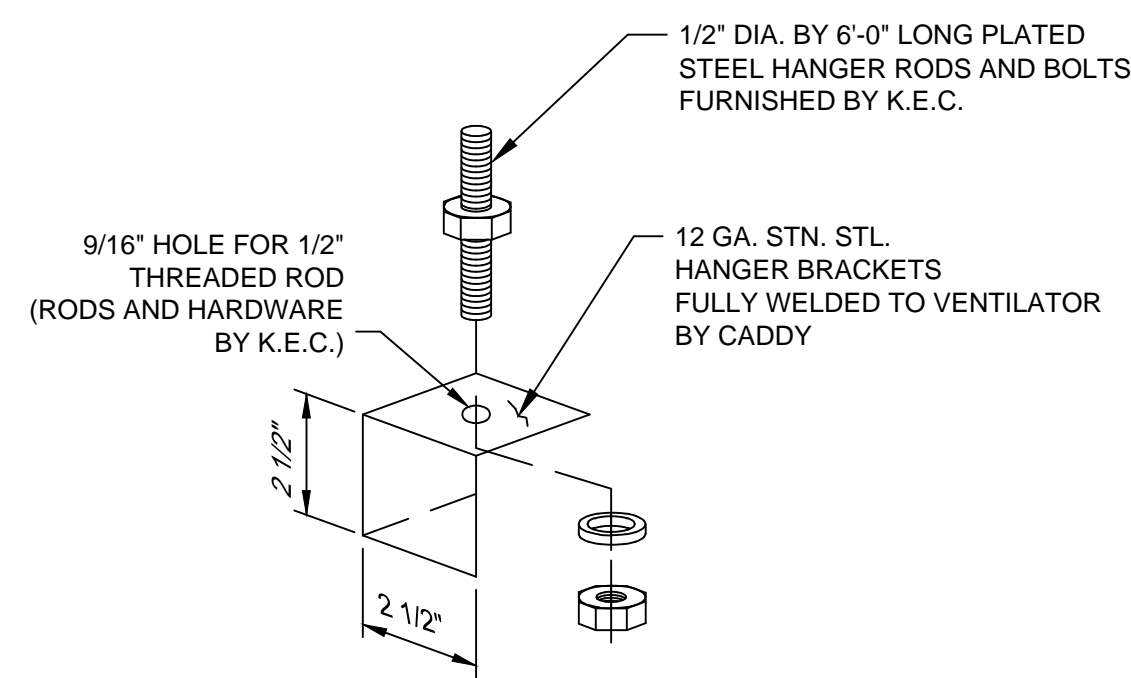
**ELECTRICAL REQUIREMENTS:**

1. LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY K.E.C.



**SECTION Z-Z**

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



**HANGER BRACKET DETAIL**

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.

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 9'-6" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 2,270 LBS.

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

SYM		QTY	DESCRIPTION
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E	1	120V, 60HZ, 1PH, 15 A.	SERVICE TO ANSUL
SYSTEM BY E.C. (UNINTERRUPTED)			

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	9-17-03	AGR	ADDED ENCLOSURE PANELS, REVISED HOOD TO UPDATED SH-C-PA1 DESIGN
C	12-10-03	B,W	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-15 ITEM NO. 345

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (INSTRUCT. #3)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

**DWG# D-1-06608**      SHT 18 OF 39

**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.  
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**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.

- MAKE-UP AIR REQUIREMENTS:**
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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

- INSTALLATION:**
1. VENTILATORS TO BE INSTALLED IN ACCORDANCE WITH ALL CODES.

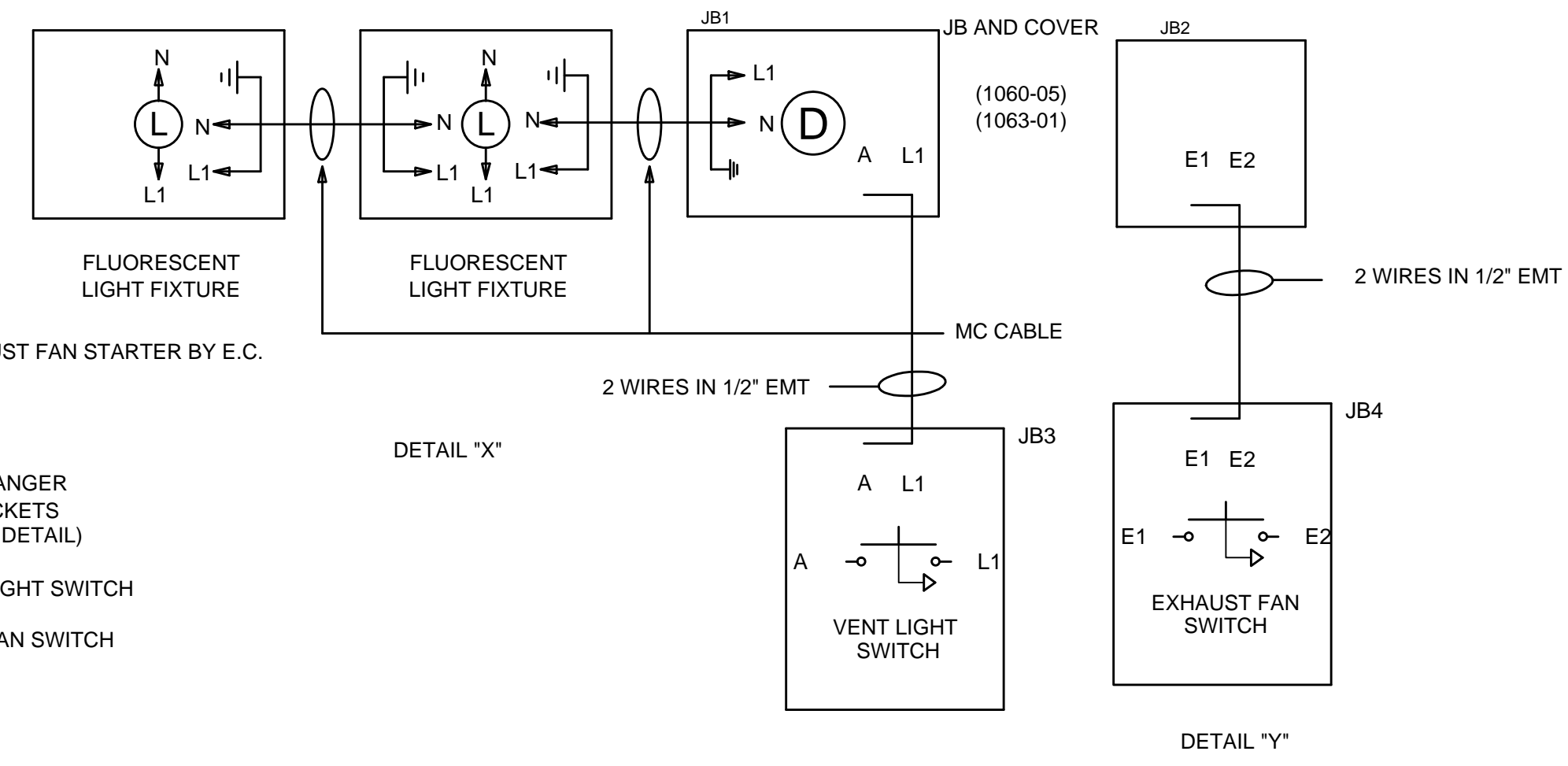
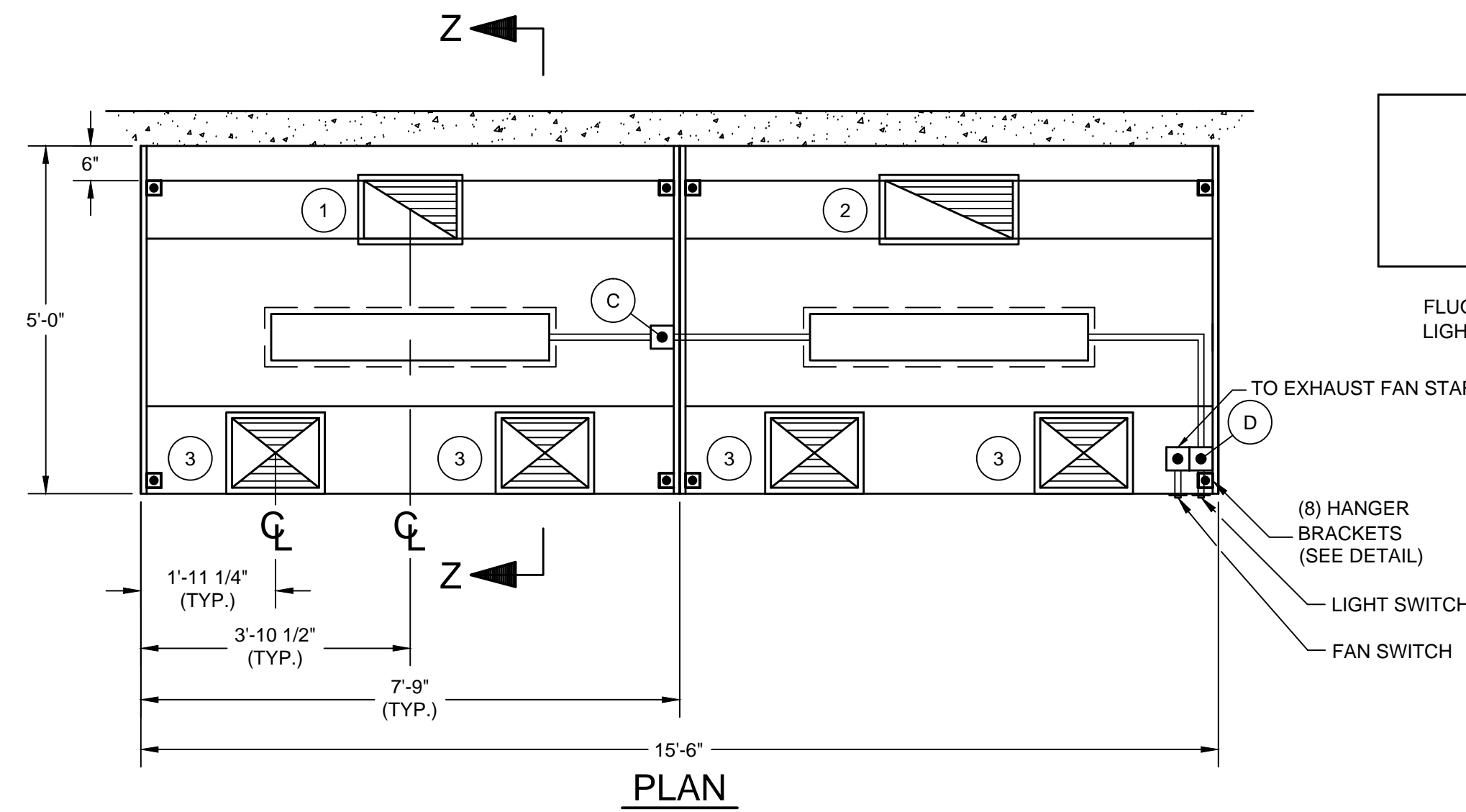
CONTRACTORS MUST REVIEW APPLICABLE CODES WITH CODE AUTHORITIES BEFORE APPROVING DRAWINGS FOR FABRICATION. SPECIAL ATTENTION MUST BE GIVEN TO CODE REGULATIONS RELATIVE TO CLEARANCES FROM SURROUNDING COMBUSTIBLE CONSTRUCTION (WALL, CEILINGS, ETC.).

1. 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.
2. 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, TYPE 304 NO. 4 FINISH.

- FIRE PROTECTION:**
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
  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 U.L. 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.



**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 MH8215 and MH12264

**UNIFORM MECHANICAL CODE**  
Section 507 - Commercial Kitchen Hoods and Kitchen Ventilation Systems

**THE BOCA NATIONAL MECHANICAL CODE**  
Chapter 5 - Kitchen Exhaust Equipment

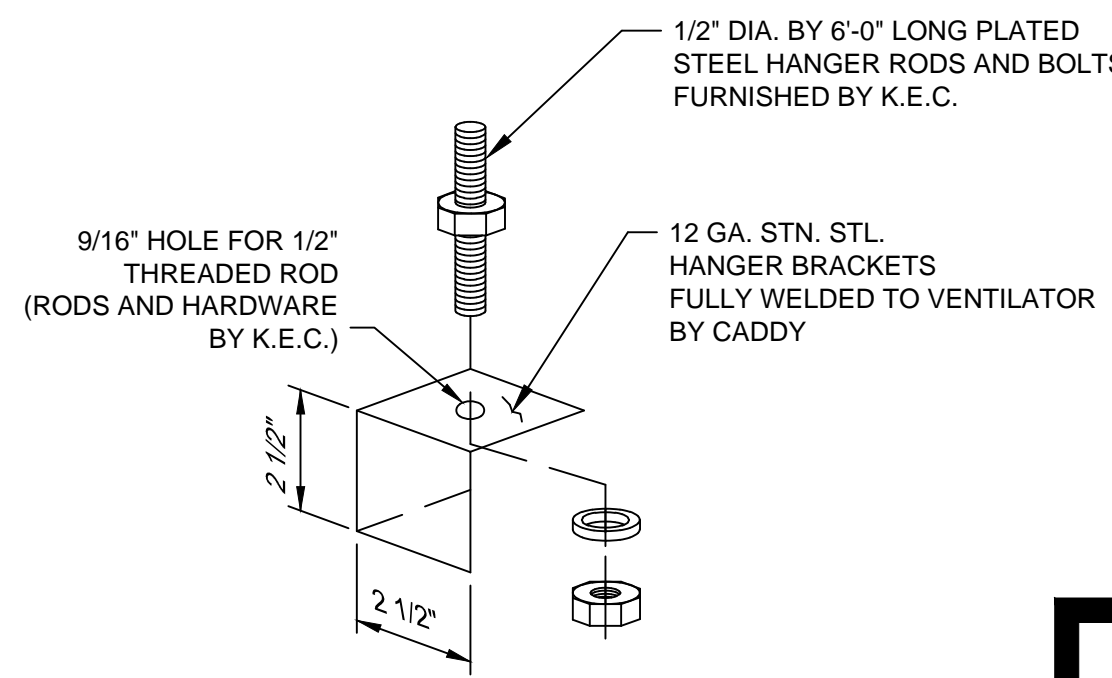
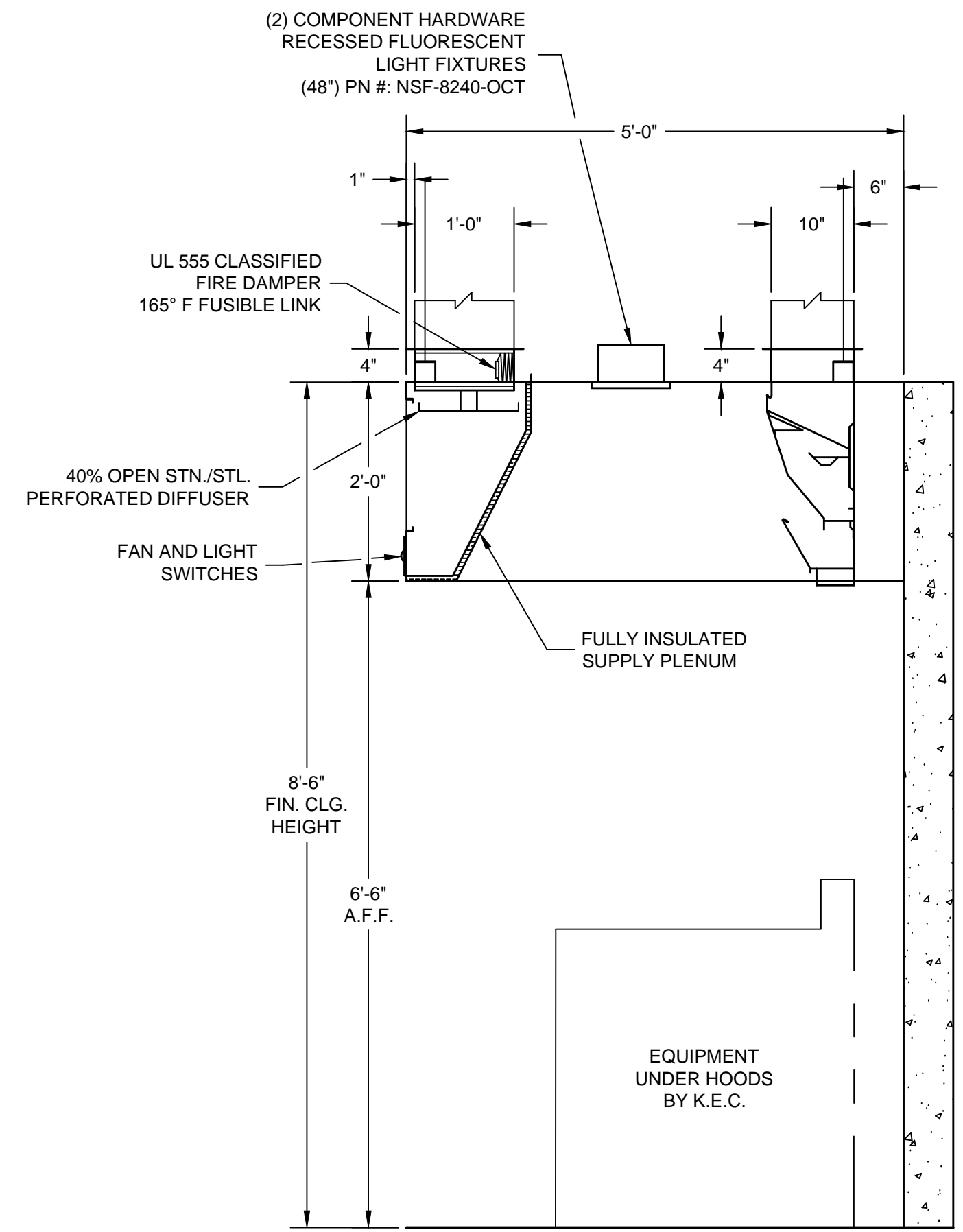
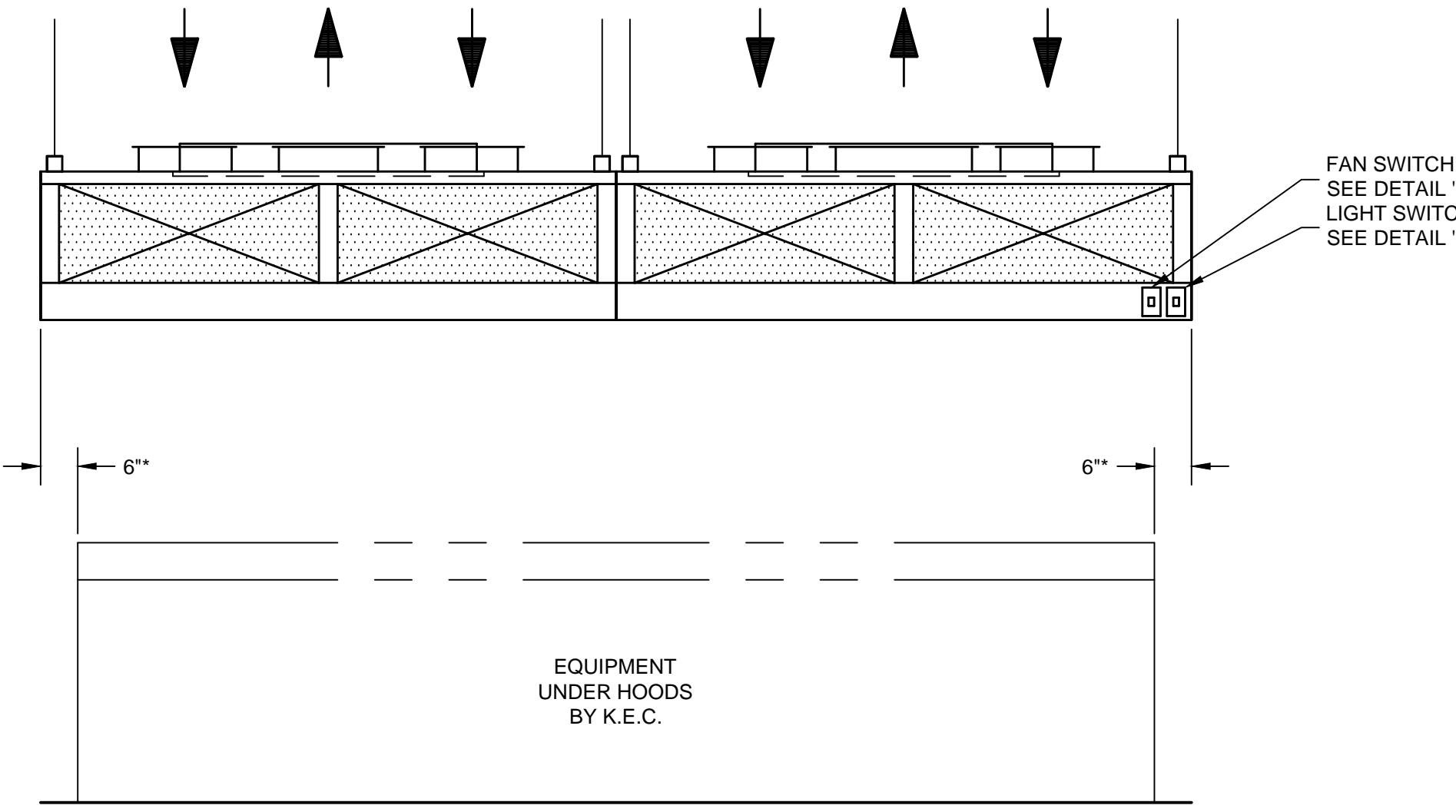
**STANDARD MECHANICAL CODE (SBCCI)**  
Section 504 - Commercial Hoods

**UNIFORM BUILDING CODE (ICBO)**

**INTERNATIONAL MECHANICAL CODE (IMC)**

TOTAL EXHAUST : 4,725 C.F.M.  
TOTAL SUPPLY : 3,780 C.F.M.

- 1 10" X 16" EXHAUST DUCT 2,025 C.F.M. @ 1.60" S.P.
- 2 10" X 22" EXHAUST DUCT 2,700 C.F.M. @ 1.60" S.P.
- 3 12" X 15" SUPPLY DUCTS 945 C.F.M. EACH @ 0.20" S.P.



**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. IN SO FAR 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 7'-9" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 1,275 LBS.

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

ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	11-21-03	B/W	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-CA-PA-I-60

CADDY NO. 06608-16 ITEM NO. 453

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (SERVERY)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608**

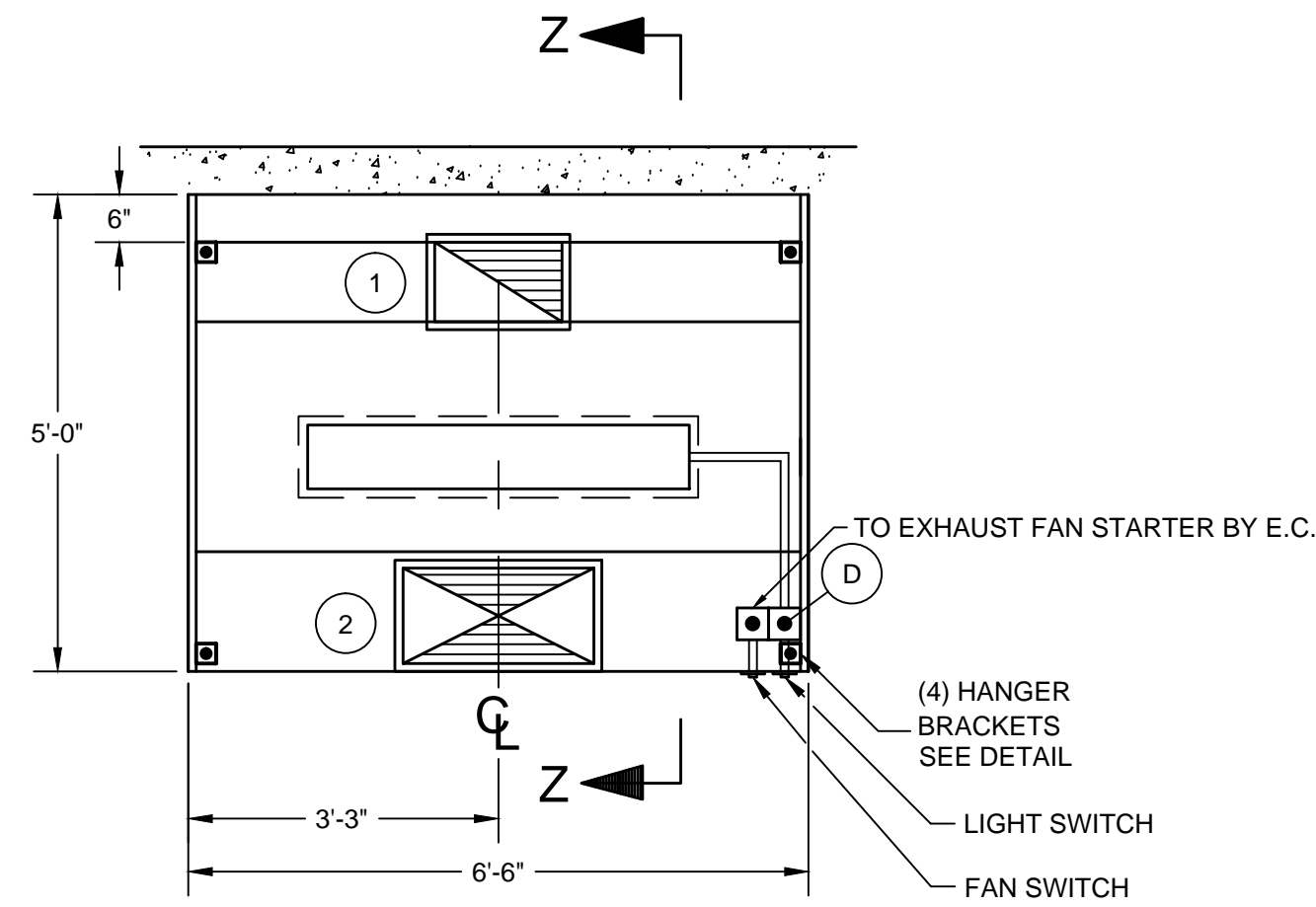
SHT 19 OF 39

**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

**GENERAL NOTES**

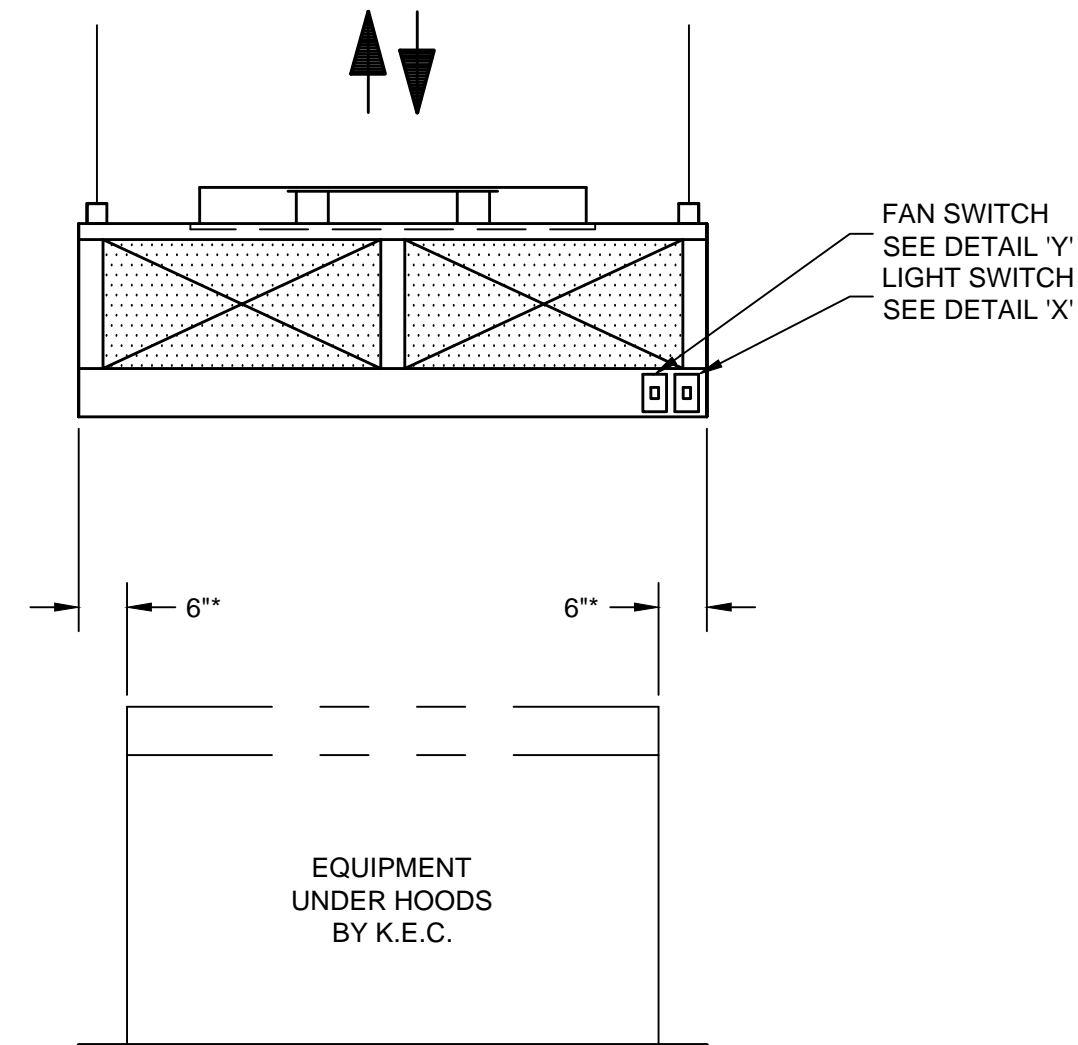
- EXHAUST AIR REQUIREMENTS:**
- EXHAUST C.F.M. BASED ON 300 C.F.M. PER LINEAR FOOT.
  - EXHAUST STATIC PRESSURE IS 1.60" W.G. AT DUCT TAKE-OFF COLLAR. TOTAL DUCT STATIC MUST BE ADDED. STATIC BASED ON OPERATION AT MEAN SEA LEVEL.
  - DUCT SIZE BASED ON 1800 F.P.M..
- EXHAUST FAN REQUIREMENTS:**
- TYPE - 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, TYPE 304 NO. 4 FINISH.
- 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 SHUT OFF UPON ACTIVATION OF THE SYSTEM.
- ELECTRICAL REQUIREMENTS:**
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



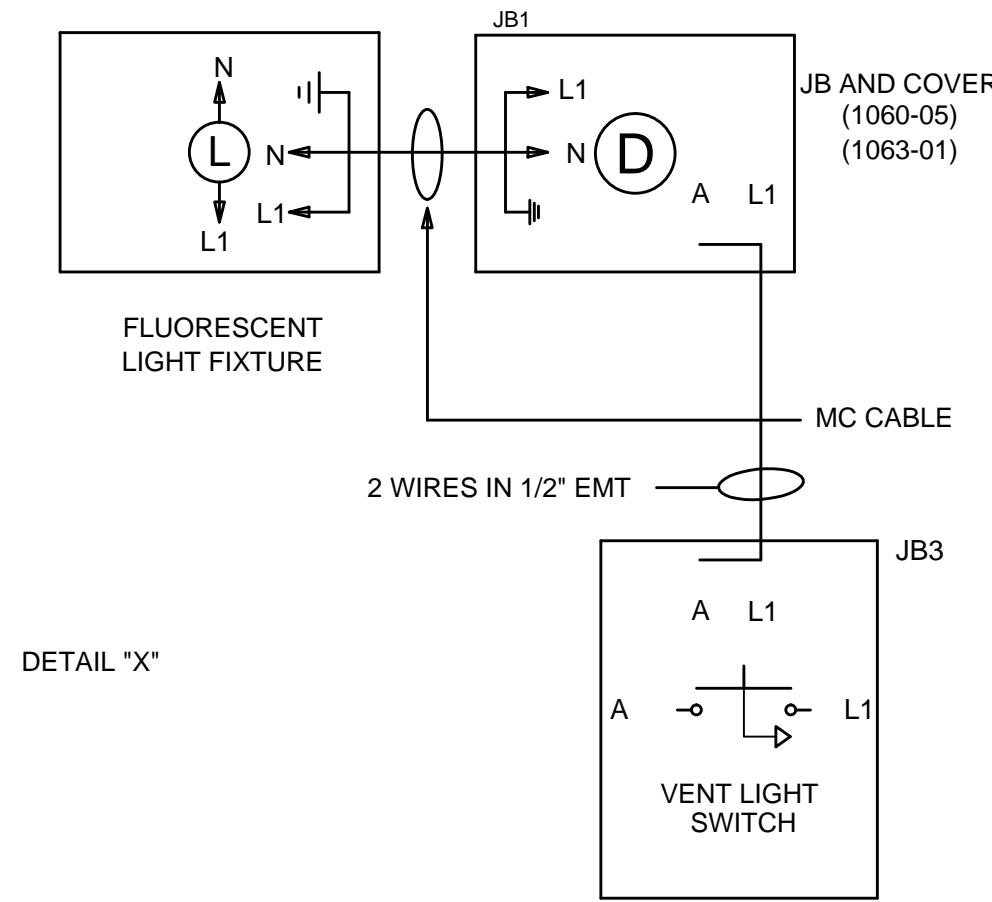
**PLAN**  
SCALE: 1/2"=1'-0"

TOTAL EXHAUST : 1,950 C.F.M.
TOTAL SUPPLY : 1,560 C.F.M.

1 10" X 16" EXHAUST DUCT 1,950 C.F.M. @ 1.60" S.P.	2 12" X 24" SUPPLY DUCT 1,560 C.F.M. @ 0.20" S.P.
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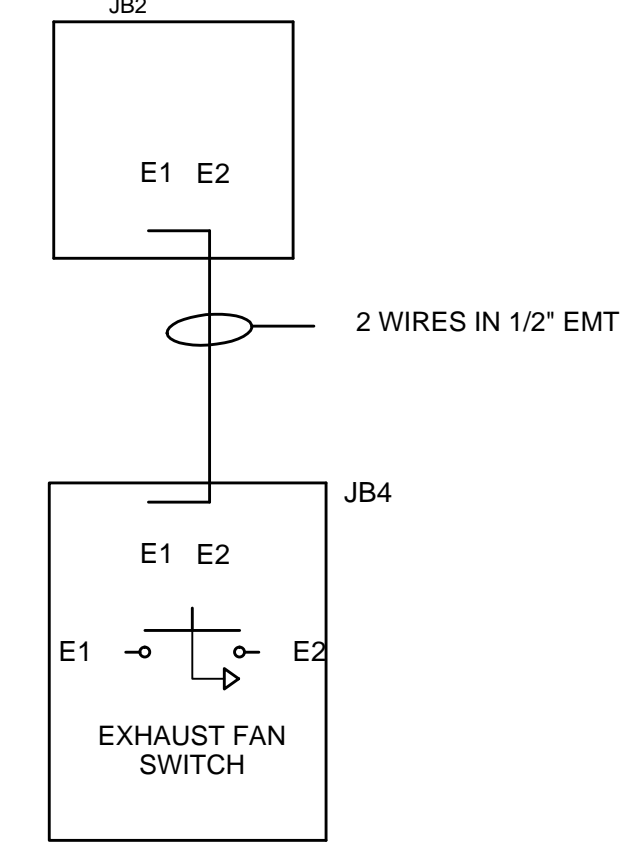


**ELEVATION**  
SCALE: 1/2"=1'-0"

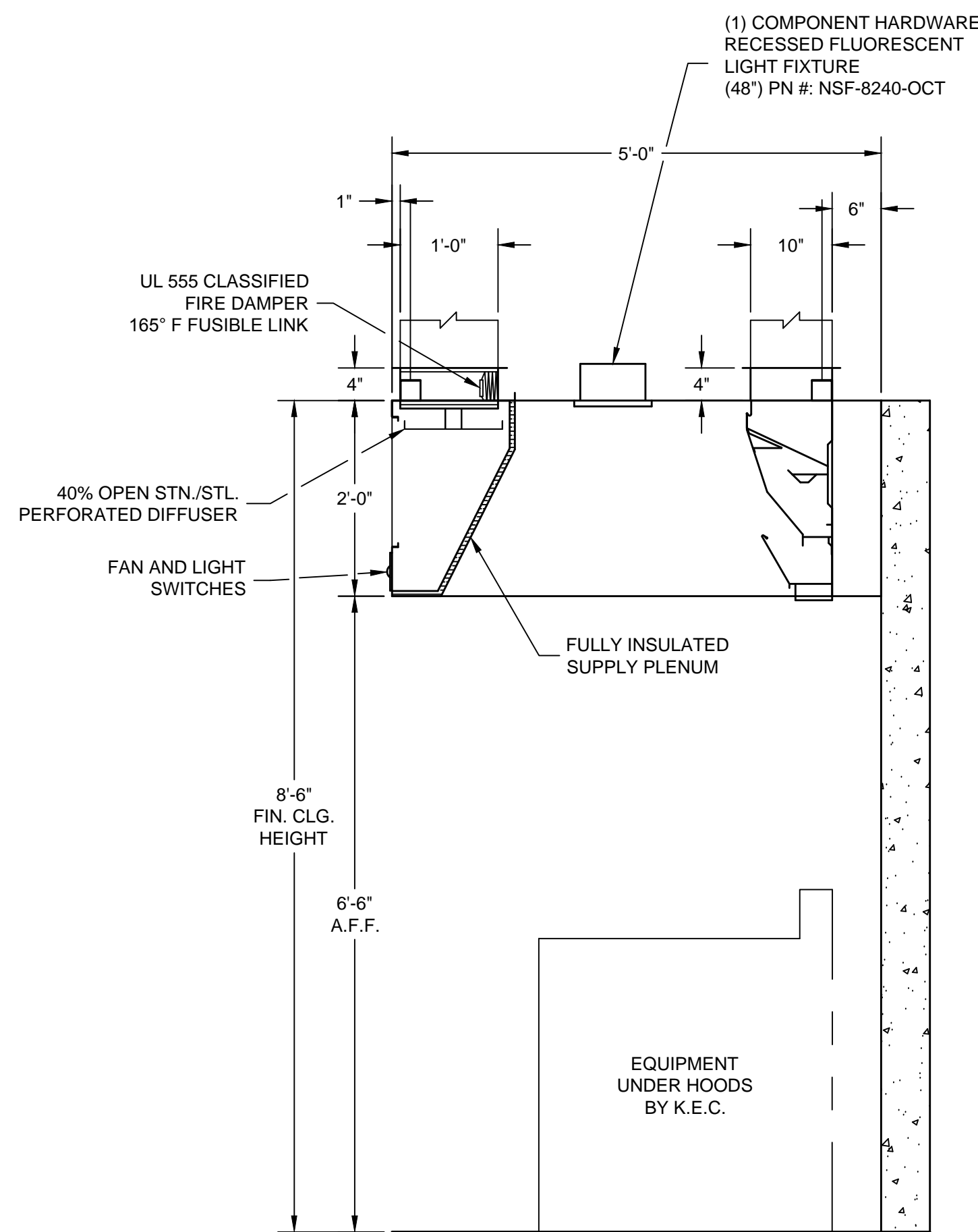


**ELECTRICAL NOTES:**

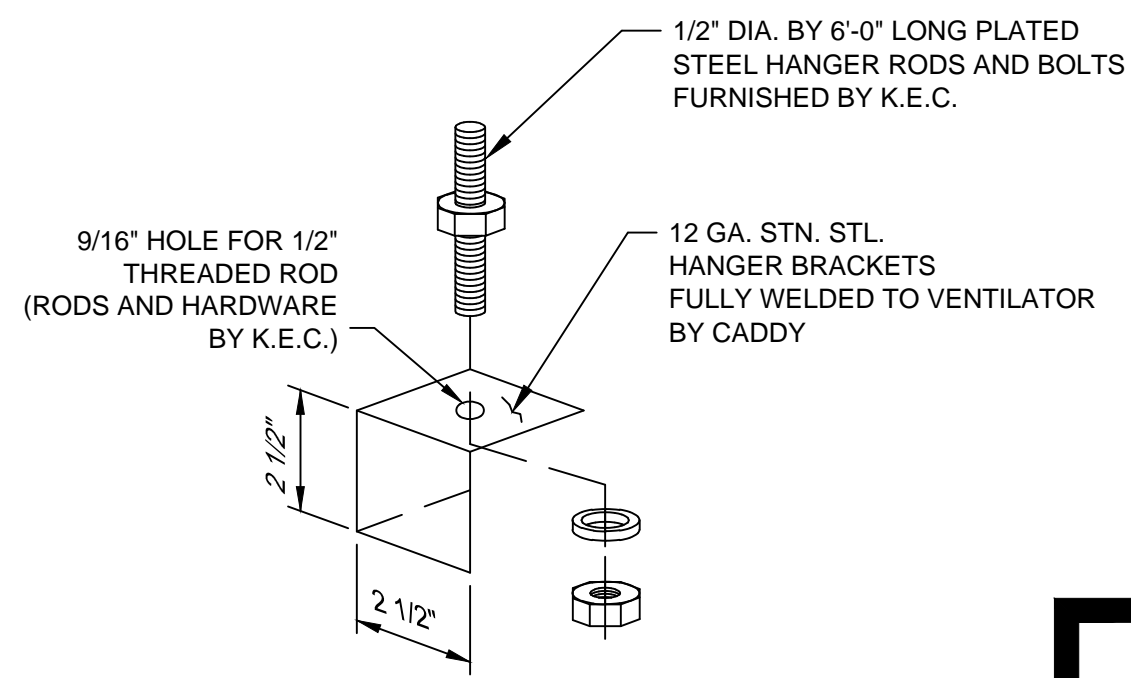
- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.



**DETAIL "Y"**



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



**HANGER BRACKET DETAIL**  
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 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.

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 6'-6" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 550 LBS.

VENTILATOR TO BE SHIPPED IN (1) UNIT. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.08 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	11-21-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-17 ITEM NO. 478

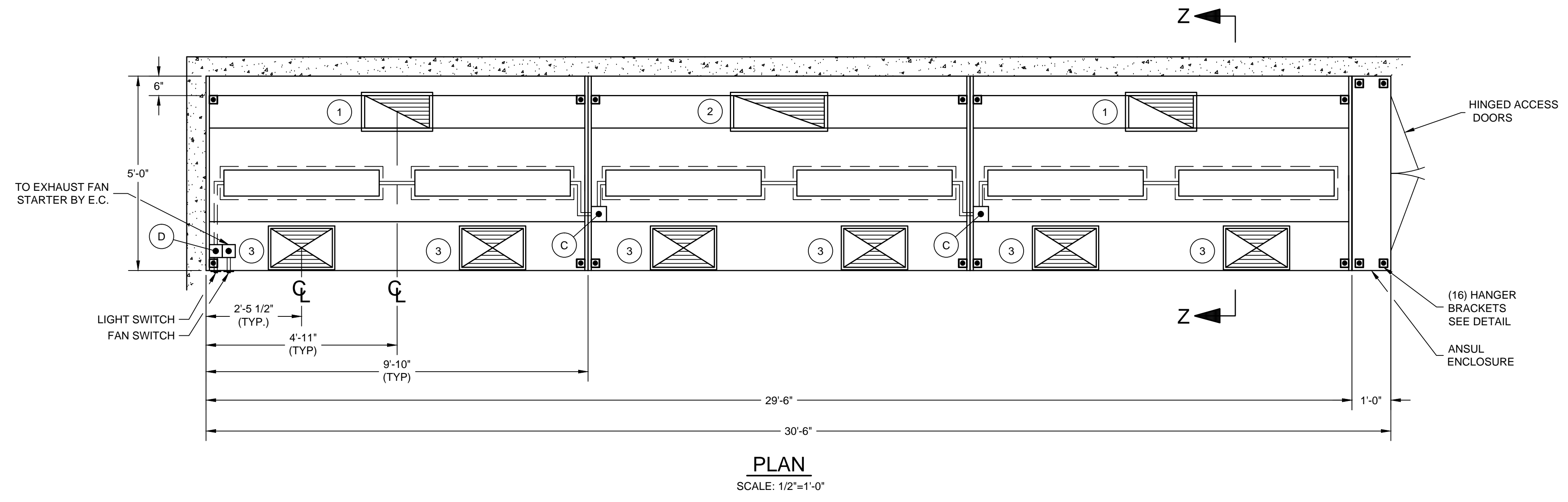
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (SERVERY)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608** SHT 20 OF 39

**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

**ELECTRICAL NOTES:**  
1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (D) BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX (C). RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.  
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.



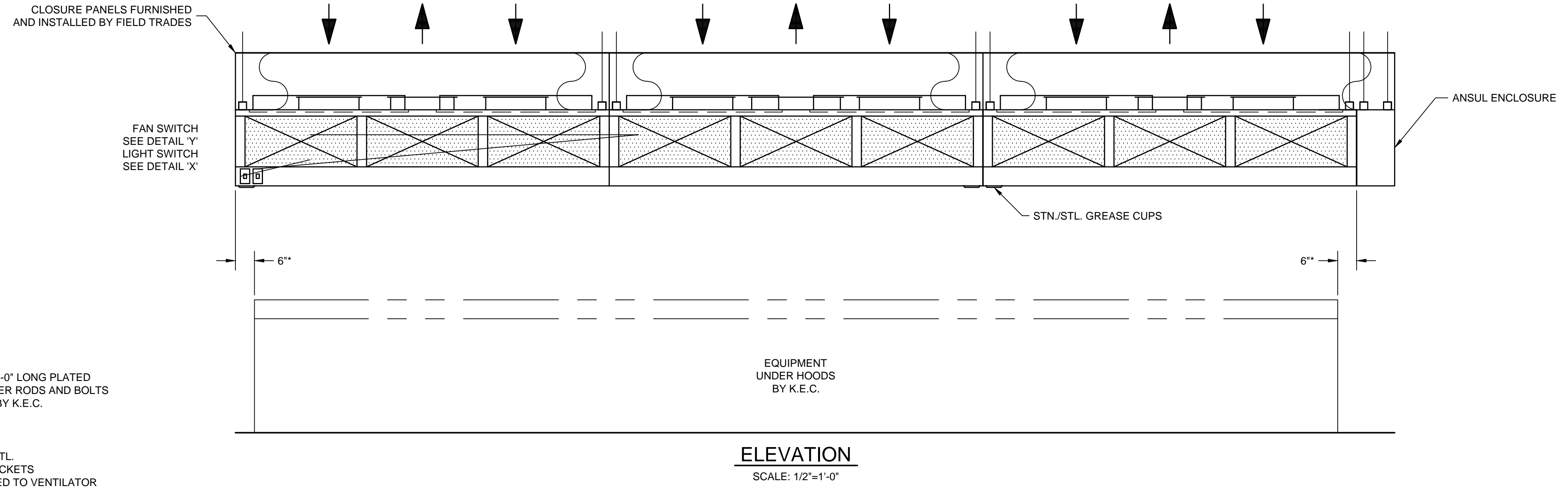
TOTAL EXHAUST : 8,500 C.F.M.  
TOTAL SUPPLY : 6,810 C.F.M.

- 1 10" X 20" EXHAUST DUCTS  
2,500 C.F.M. EACH @ 1.60" S.P.
- 2 10" X 28" EXHAUST DUCT  
3,500 C.F.M. @ 1.60" S.P.
- 3 12" X 19" SUPPLY DUCTS  
1,135 C.F.M. EACH @ 0.20" S.P.

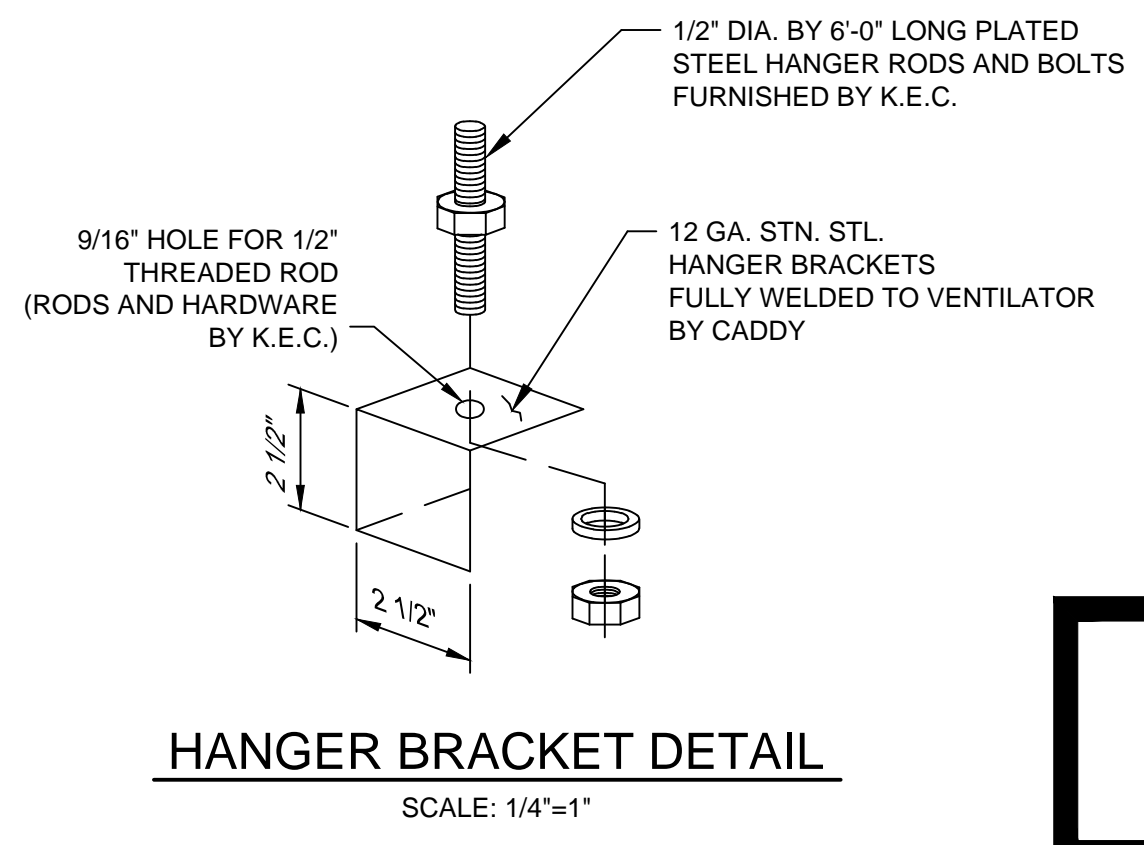
**PLAN**  
SCALE: 1/2"=1'-0"

**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 MH8215 and MH12264
- 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)



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



**HANGER BRACKET DETAIL**  
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"**

**INSTALLATION INFORMATION**

**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.

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS 10'-10" LONG x 5'-0" WIDE x 28 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 2,510 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		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	8-14-03	RCM	REVISED PER RETURNED PRINT RECEIVED 8-13-03
B	11-21-03	BJW	ANSUL R-102 PRE-PIPING REMOVED FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-I-60

CADDY NO. 06608-1 ITEM NO. 565

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PROD. KITCHEN)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

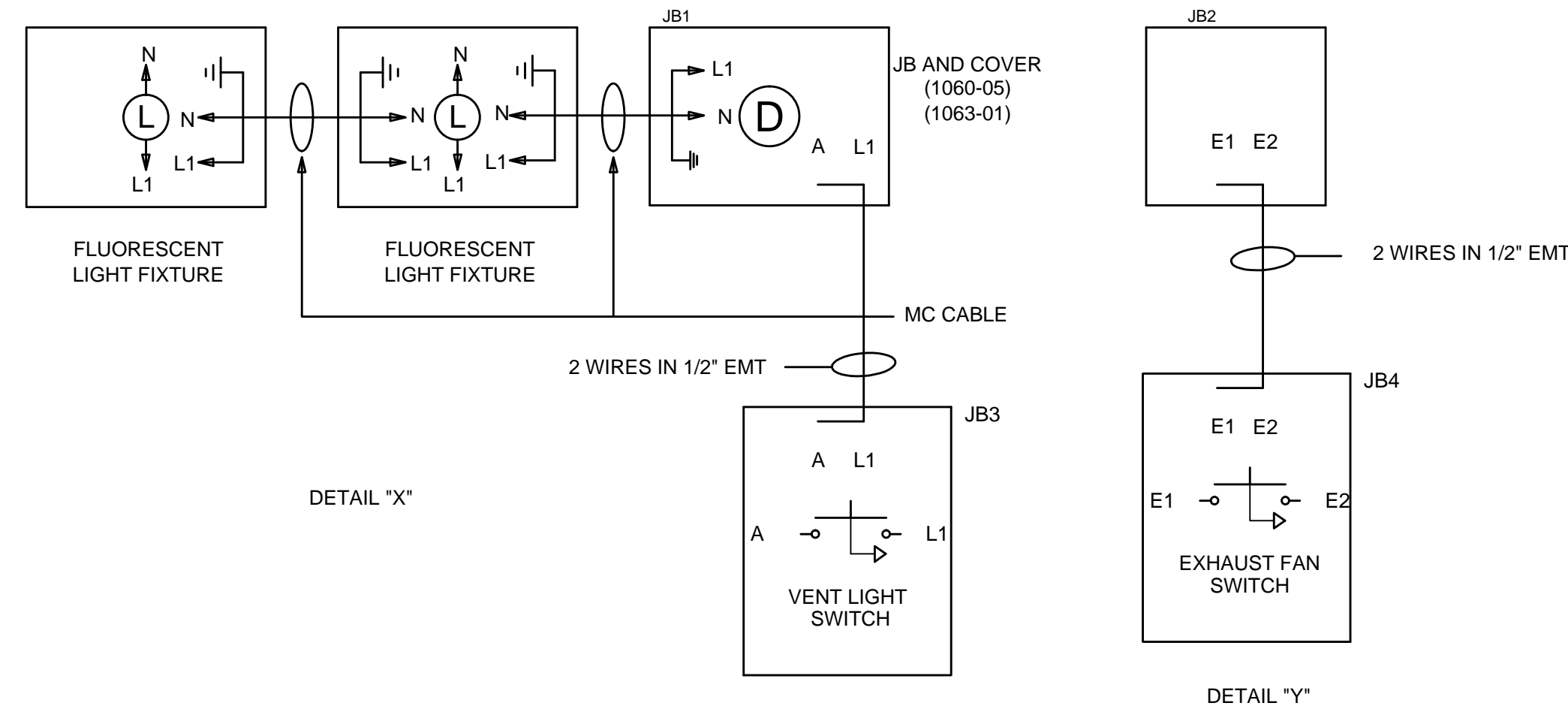
**DWG# D-1-06608** SHT 21 OF 39

**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

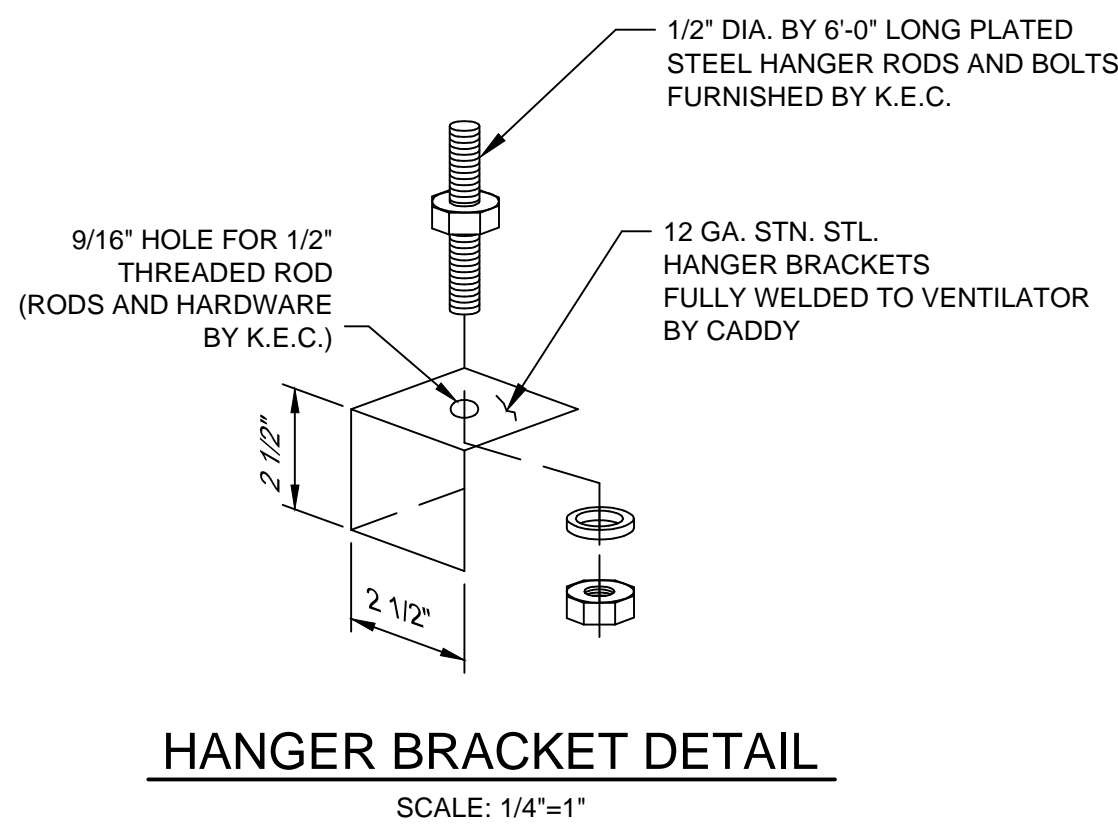
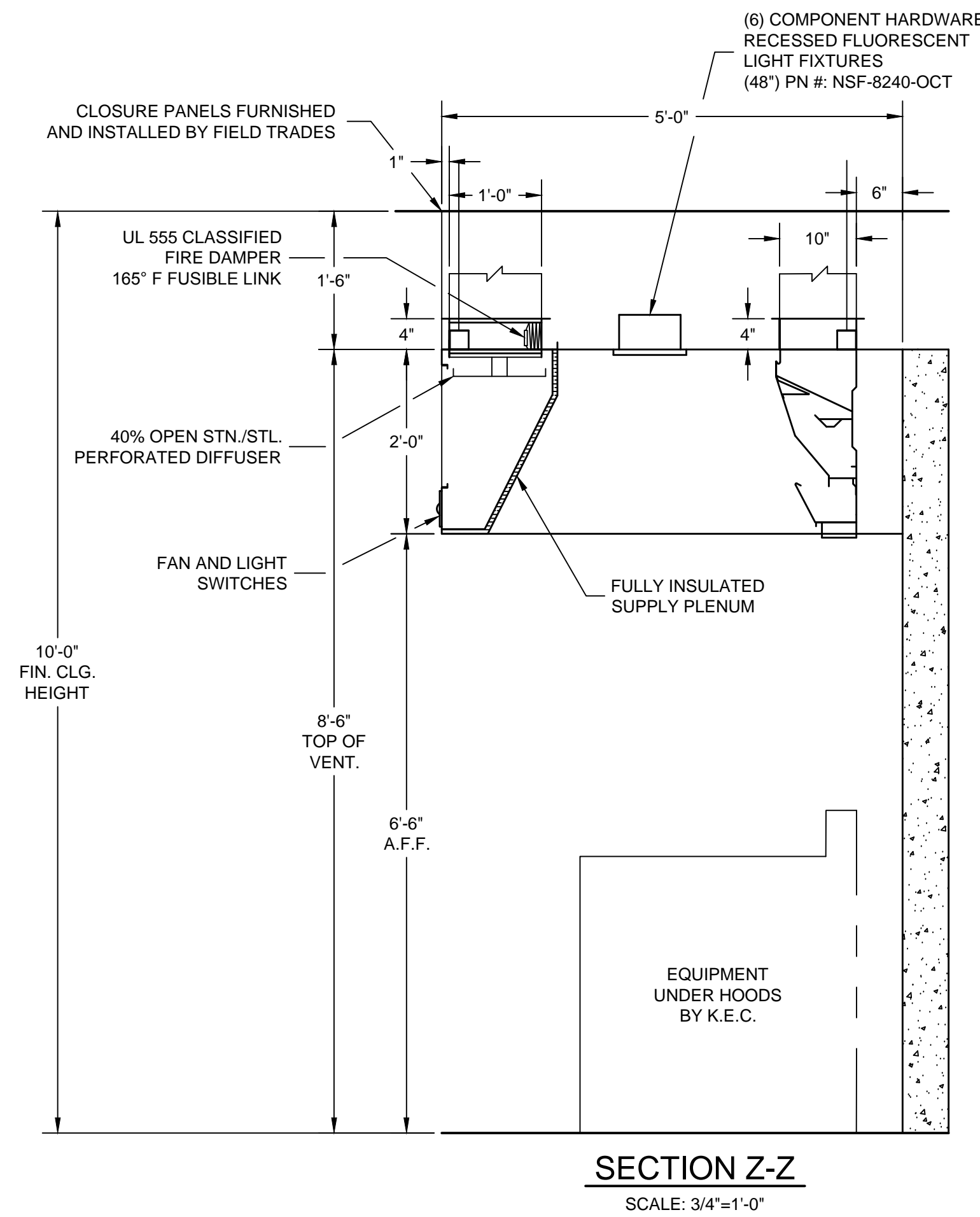


**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (®) BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX (®). RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.
- MAKE-UP AIR REQUIREMENTS:**
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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.



**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.**

**INSTALLATION INFORMATION**

- ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 9'-10" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 2,510 LBS.
- VENTILATOR TO BE SHIPPED IN (3) UNITS. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

SYM		QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.48 K.W.	CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	8-14-03	RCM	REVISED PER RETURNED PRINT RECEIVED 8-13-03
B	11-21-03	BJW	ANSUL R-102 PRE-PIPING REMOVED FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

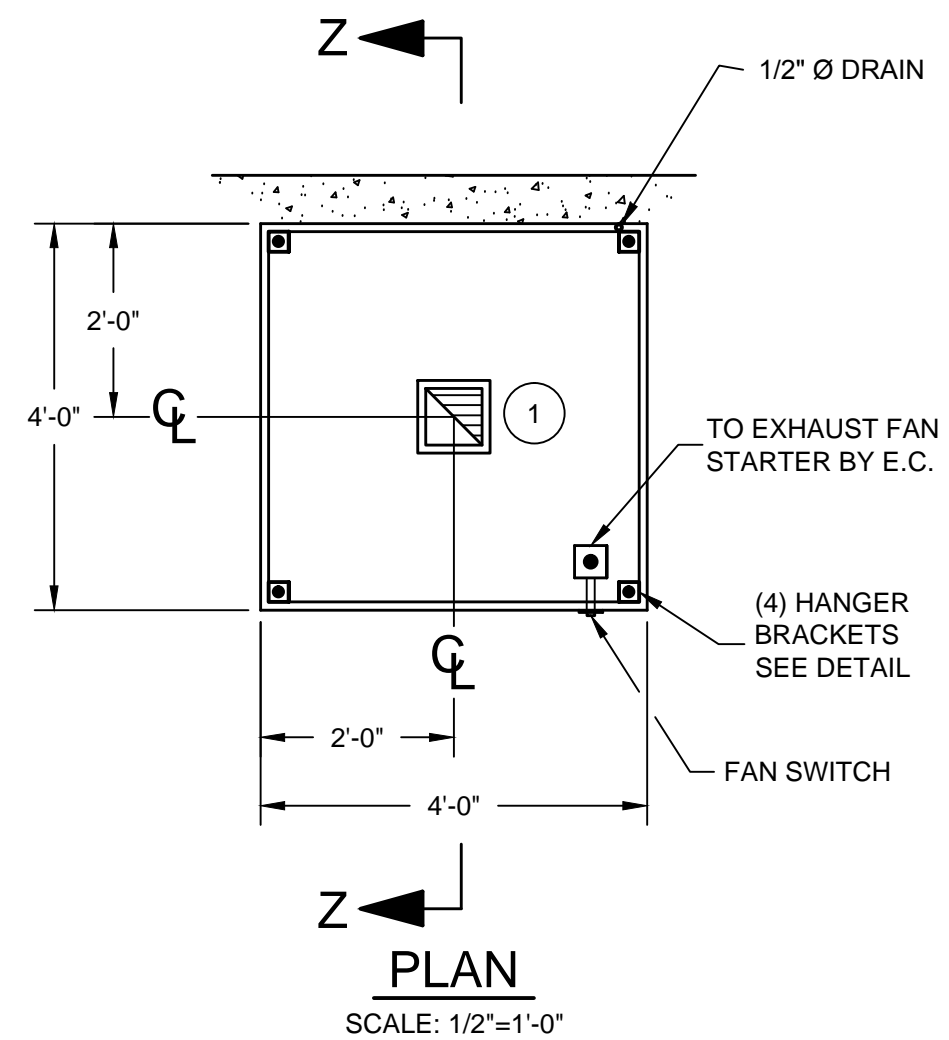
SH-C-PA-I-60

CADDY NO. 06608-1 ITEM NO. 565

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PROD. KITCHEN)  
 LOC: CINCINNATI, OHIO  
 CUST:  
 CUST#:

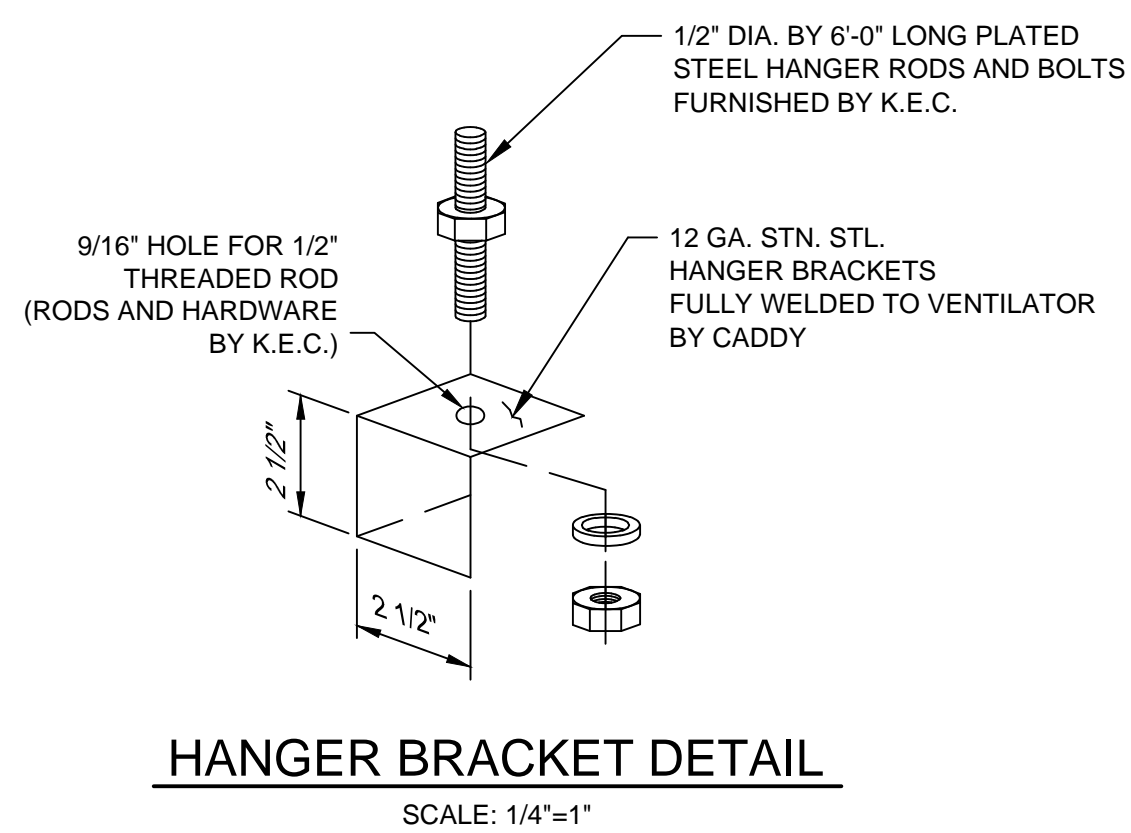
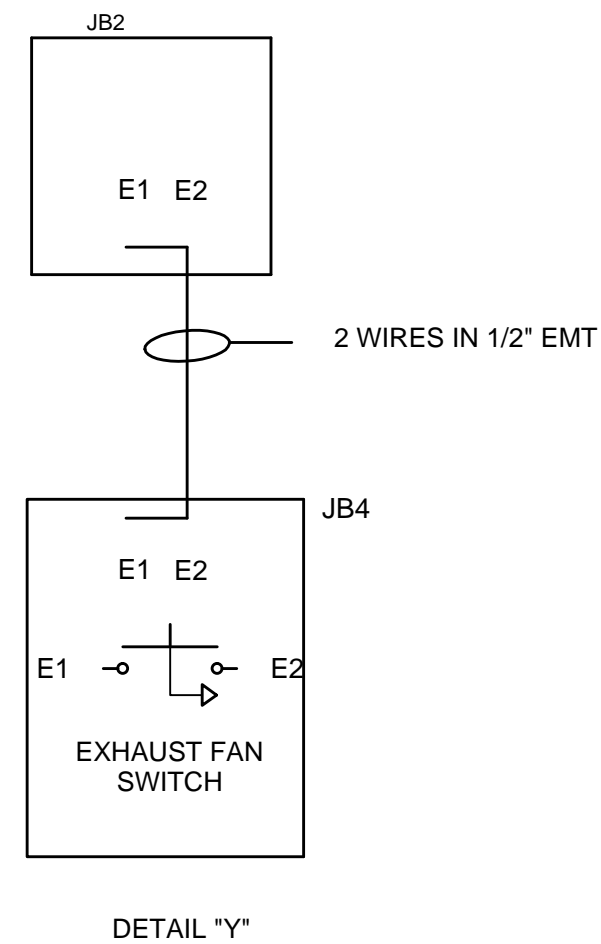
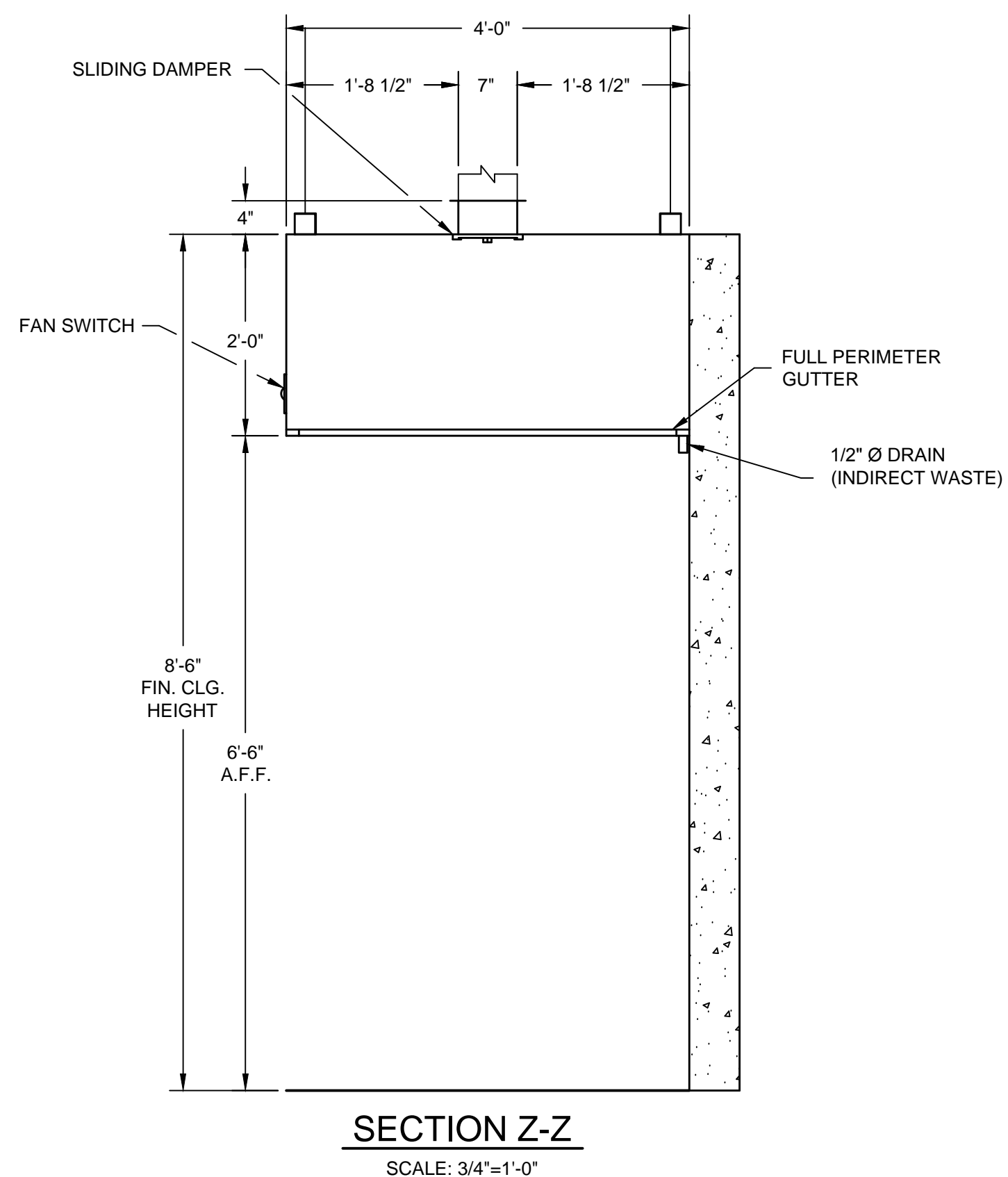
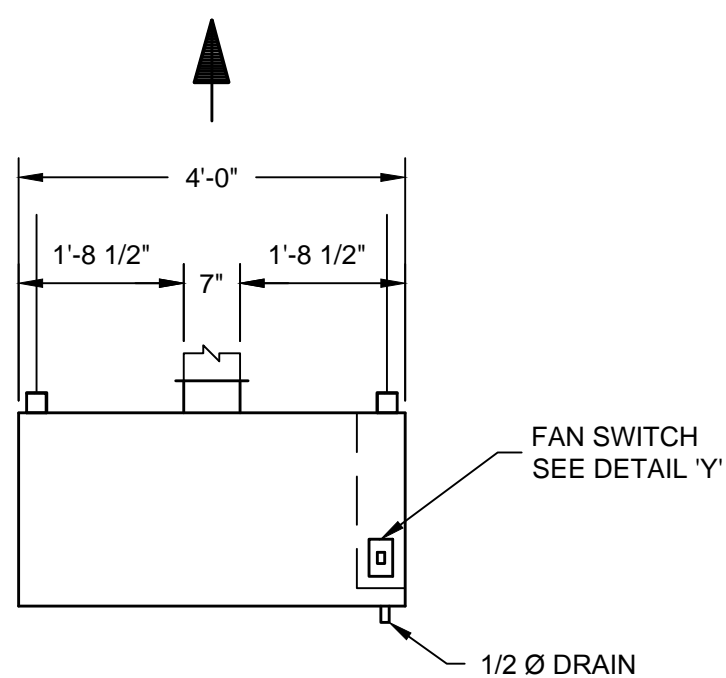
**DWG# D-1-06608** SHT 22 OF 39

**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.



TOTAL EXHAUST : 600 C.F.M.

1 7" X 7" EXHAUST DUCT  
600 C.F.M. @ 0.25" S.P.



**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
4'-0" LONG x 4'-0" WIDE x 28" HIGH  
ESTIMATED HANGING WEIGHT: 200 LBS.

VENTILATOR TO BE SHIPPED IN (1) UNIT.  
ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

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

NATIONAL SANITATION FOUNDATION  
Standard #2 - "Food Service Equipment"



**NOTES**

- AIR SYSTEMS SHALL NOT BE LIABLE FOR IMPROPER FUNCTION DUE TO CHANGE IN STATIC PRESSURE OR AIR VOLUMES SPECIFIED.
- ALL DIMENSIONS TO BE VERIFIED IN FIELD BY OTHERS BEFORE VENTILATORS ARE RELEASED FOR MANUFACTURE.
- INDICATE ALL BEAMS, COLUMNS, ETC. WHICH MAY CONFLICT WITH VENTILATOR OR EXHAUST OUTLET COLLAR(S) (INDICATE SIZE, LOCATION, AND HEIGHT ABOVE FINISHED FLOOR.)
- INSTALLING CONTRACTOR SHALL CHECK ALL BUILDING ACCESS, ENTRANCE AND FIELD CONDITIONS TO ENSURE SUFFICIENT CLEARANCE TO ALLOW VENTILATOR SECTION(S) (SIZE(S) AS DIMENSIONED ON THIS DRAWING) TO BE BROUGHT INTO BUILDING AND INSTALLED ACCORDING TO AIR SYSTEMS RECOMMENDATIONS.
- ALL EXHAUST DUCT COLLARS ARE INSIDE DIMENSIONS. CONNECTION DUCTWORK SHALL SLEEVE INTO VENTILATOR OUTLET(S).
- ALL DUCTWORK BEYOND THE VENTILATOR OR EXHAUST DUCT COLLAR(S) TO BE PROVIDED AND INSTALLED BY OTHERS IN ACCORDANCE WITH JURISDICTIONAL CODES, AND MUST BE MECHANICALLY STRONG, AND GREASE AND WATER TIGHT.
- VENTILATOR(S) SHALL BE N.S.F. APPROVED AND SHALL BEAR N.S.F. LABELS VISIBLY AFFIXED TO EXTERIOR.

**REVISIONS**

REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	12-2-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

CH-W-48

CADDY NO. 06608-20 ITEM NO. 627

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #2)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

DATE	06/23/03	SCALE	AS NOTED
DR BY	DRA	APP'D BY	

**DWG# D-1-06608**

SHT 23  
OF 39

GENERAL CONTRACT CONDITIONS  
ELECTRICAL WORK DONE BY CADDY CORPORATION OF AMERICA 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 (N.E.C.), CADDY CORPORATION OF AMERICA 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 CHARGE TO CADDY CORPORATION OF AMERICA, 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 DRAWINGS WHICH MUST BE APPROVED PRIOR TO FABRICATION. ANY SUBSEQUENT CHANGES REQUIRED MUST BE SUBMITTED TO US IN WRITING AND ACKNOWLEDGED ON OUR STANDARD FORM.

**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

**ELECTRICAL NOTES:**

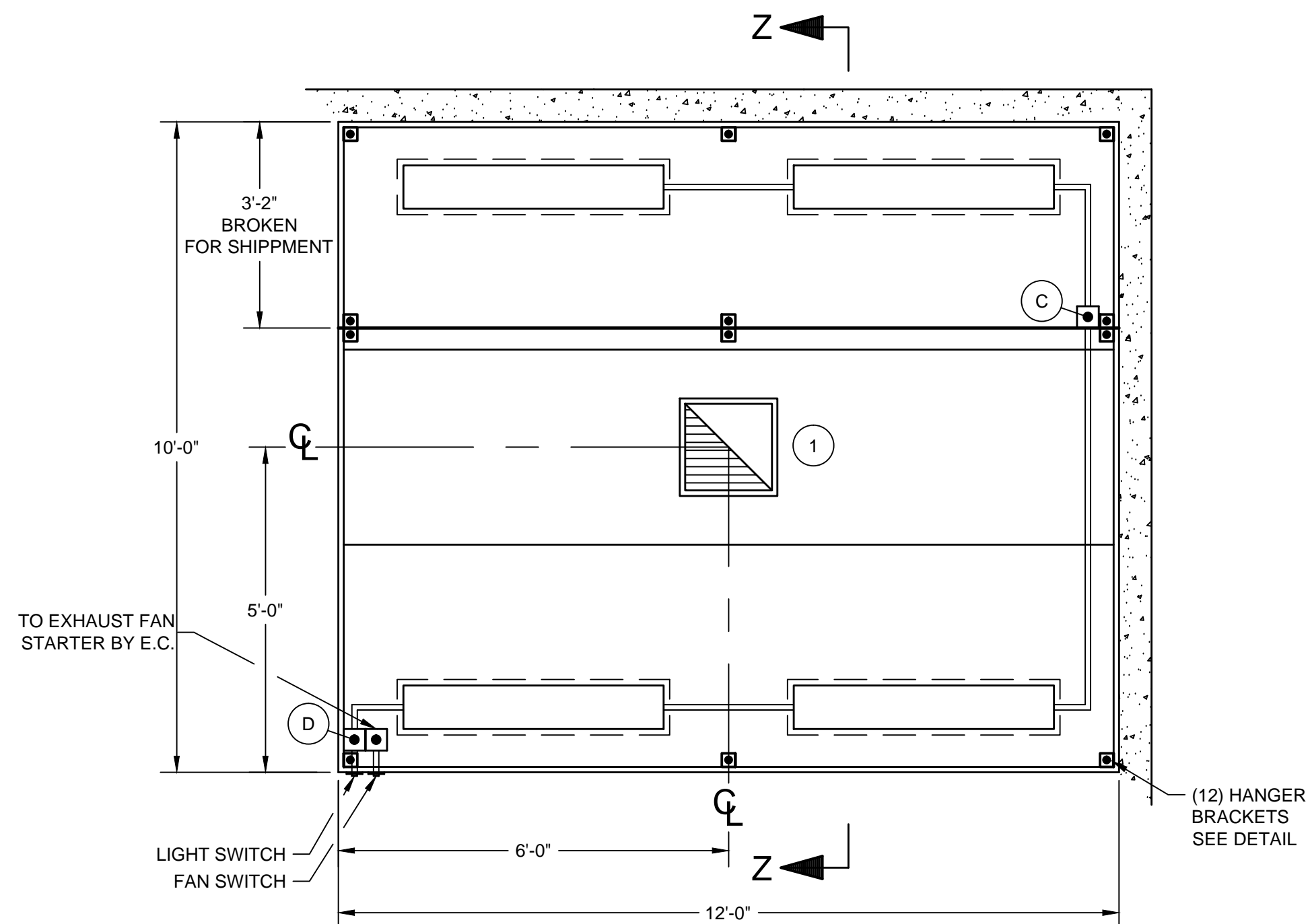
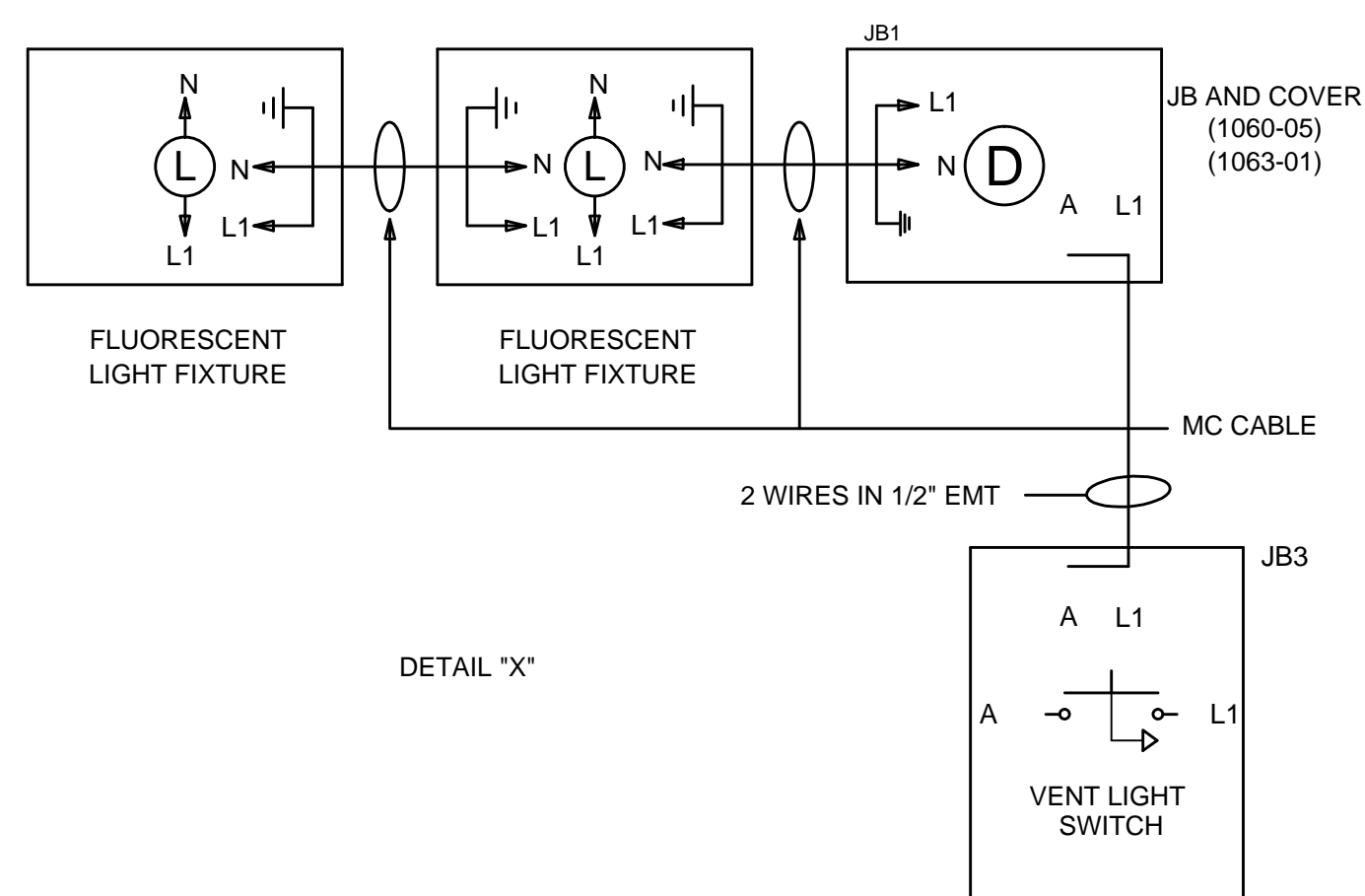
1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

TOTAL EXHAUST : 3,000 C.F.M.

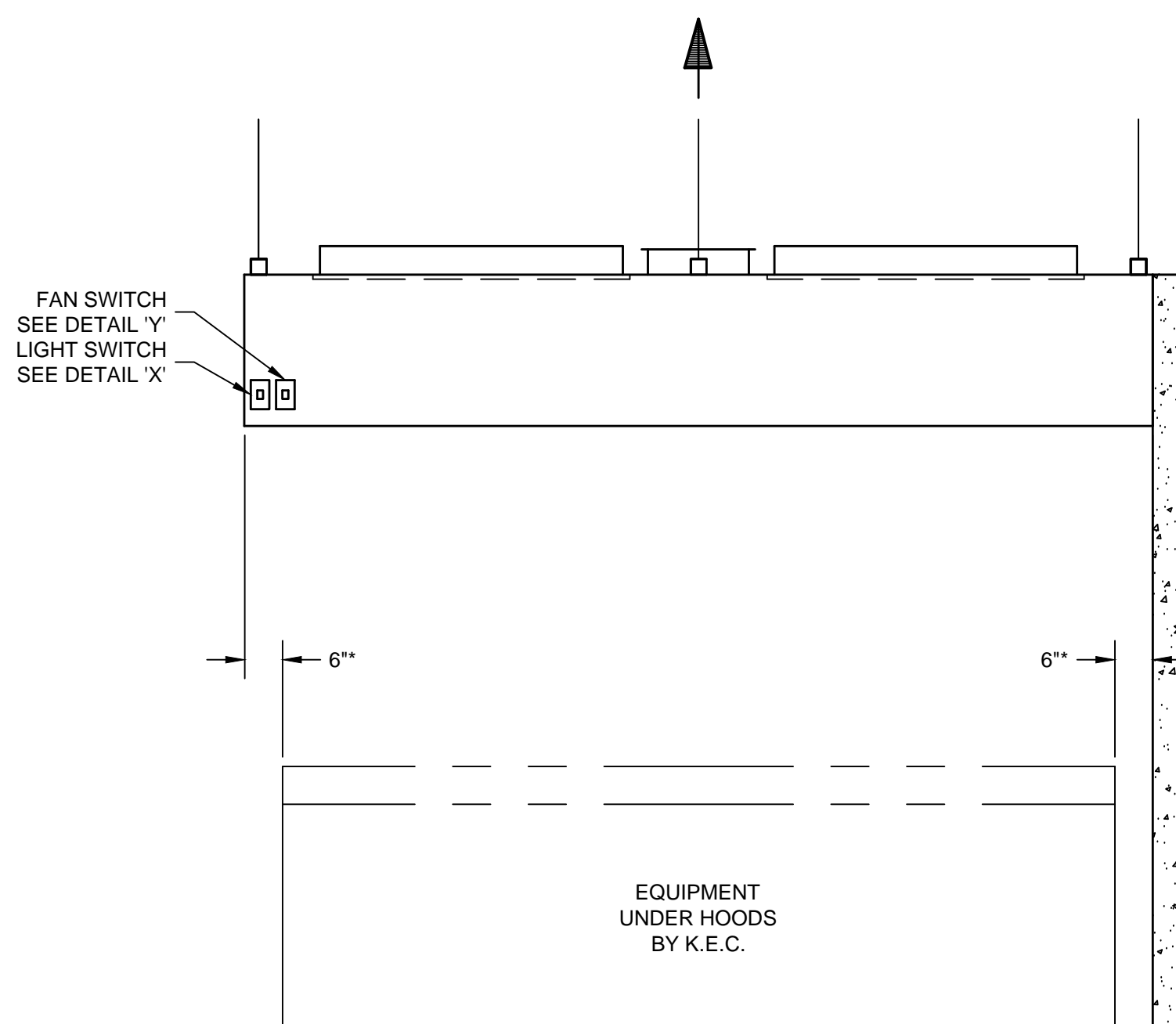
1 16" X 16" EXHAUST DUCT  
3,000 C.F.M. @ 1.00" S.P.

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

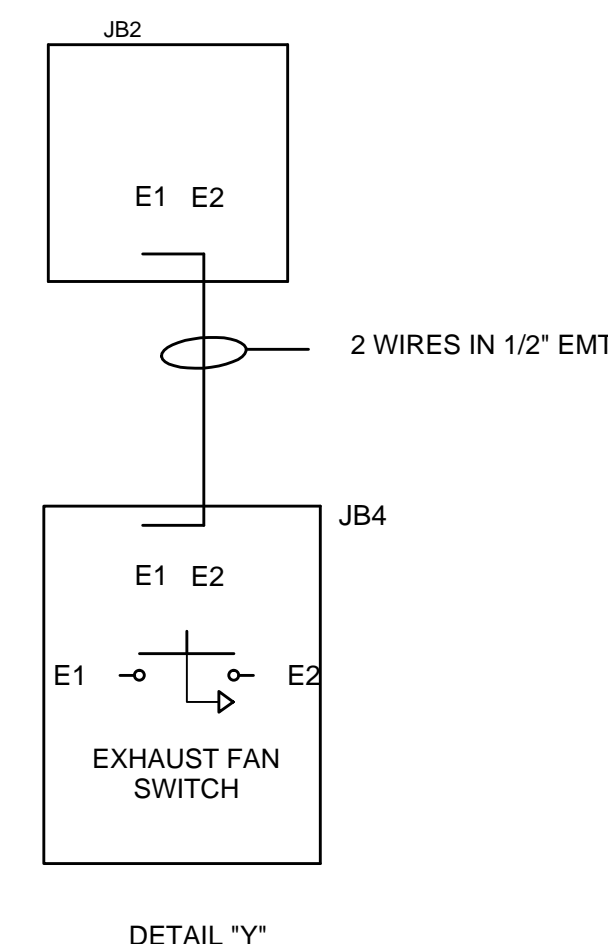
- NATIONAL FIRE PROTECTION ASSOCIATION  
In accordance with Recommendation of National Fire Protection Association's NFPA No. 96  
"Vapor Removal from Cooking Equipment"
- NATIONAL SANITATION FOUNDATION  
Standard #2 - "Food Service Equipment"
- UNDERWRITERS LABORATORIES, INC  
Tested under standard U.L. 710 "Exhaust Hoods for Commercial Cooking Equipment". U.L. listed under file number MH8215 and MH12264
- 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)



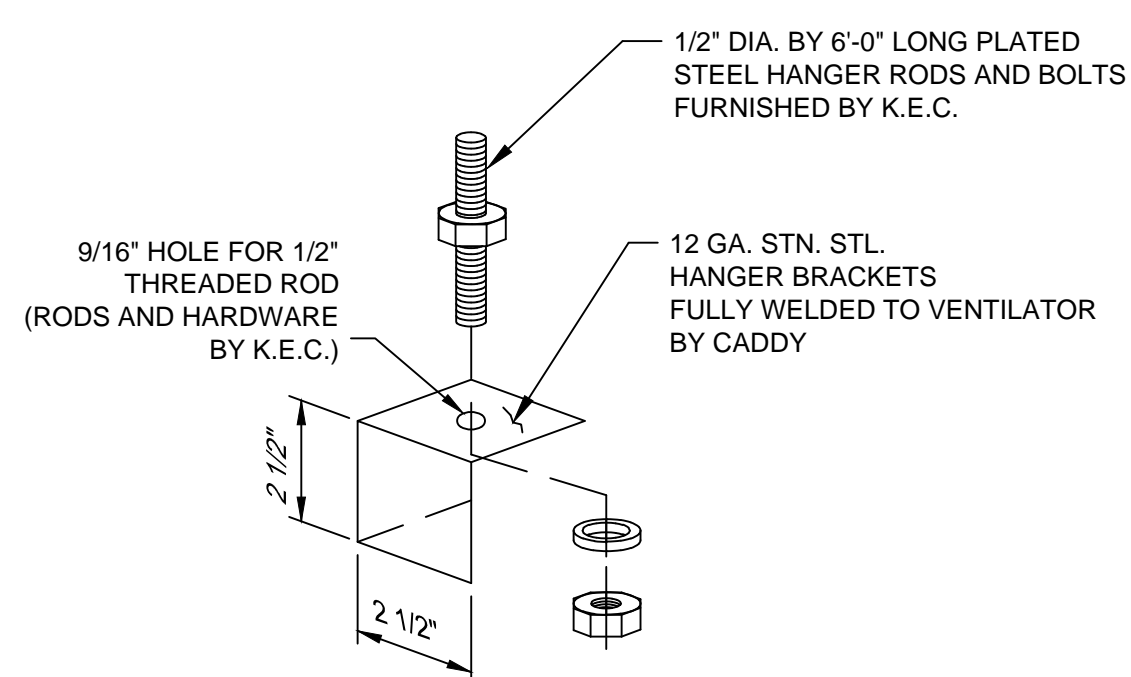
**PLAN**  
SCALE: 1/2"=1'-0"



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



DETAIL "Y"



**HANGER BRACKET DETAIL**  
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 6'-10" LONG x 10'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 1,500 LBS.

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

ROUGH-IN SCHEDULE	
SYM	QTY
D	1
120V, 1Ø, 60Hz, 0.32 K.W. CONNECTED LOAD	

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	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**

PB-I-120

CADDY NO. 06608 ITEM NO. 637

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #2)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

**DWG# D-1-06608**



**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120V/160 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

1. EXHAUST C.F.M. BASED ON 250 C.F.M. PER LINEAR FOOT.
2. EXHAUST STATIC PRESSURE IS 1.00" 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 1800 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.

**MAKE-UP AIR REQUIREMENTS:**

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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

1. 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.).

1. 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.
2. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

**CONSTRUCTION:**

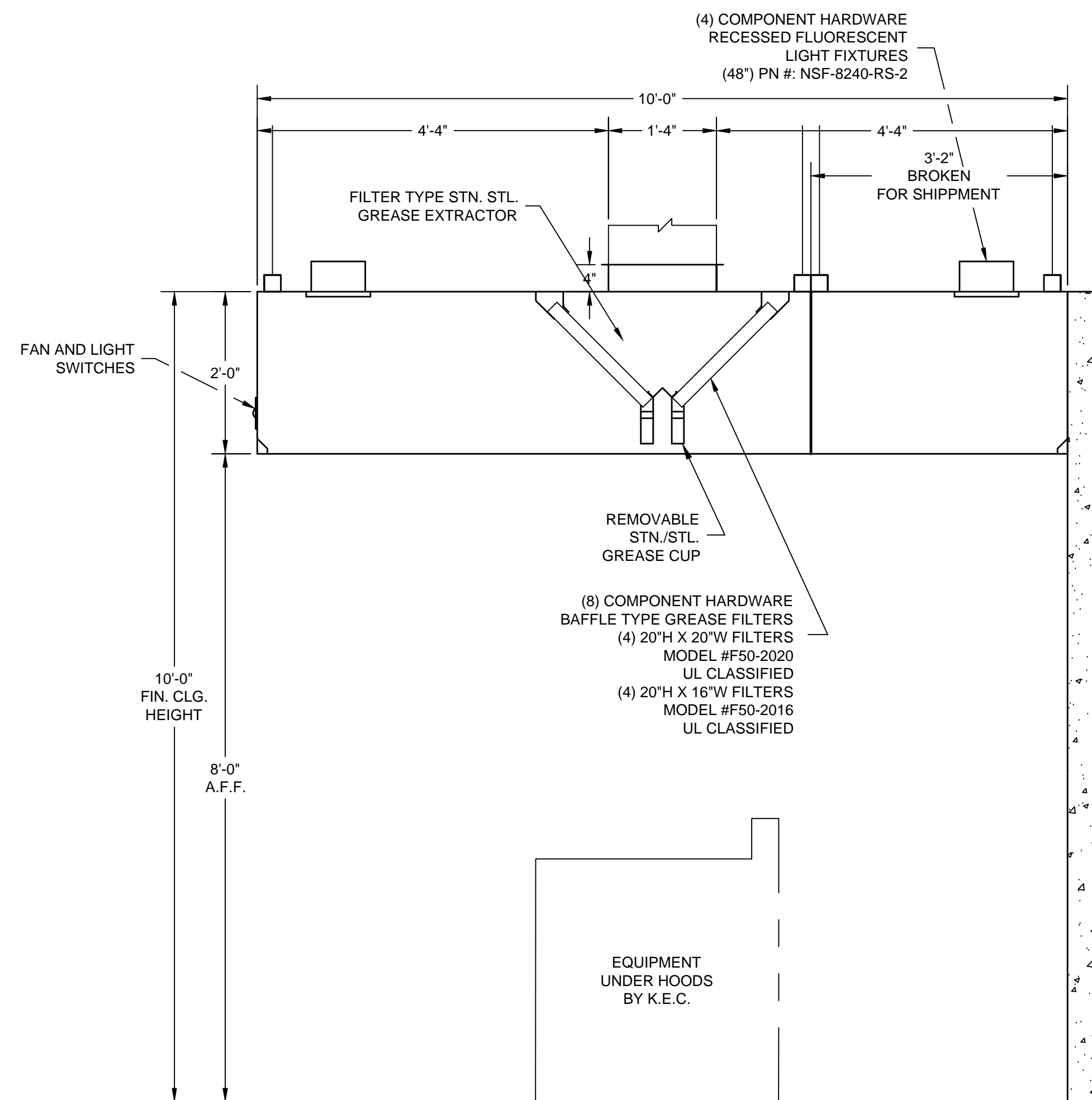
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL, TYPE 304 NO. 4 FINISH.

**FIRE PROTECTION:**

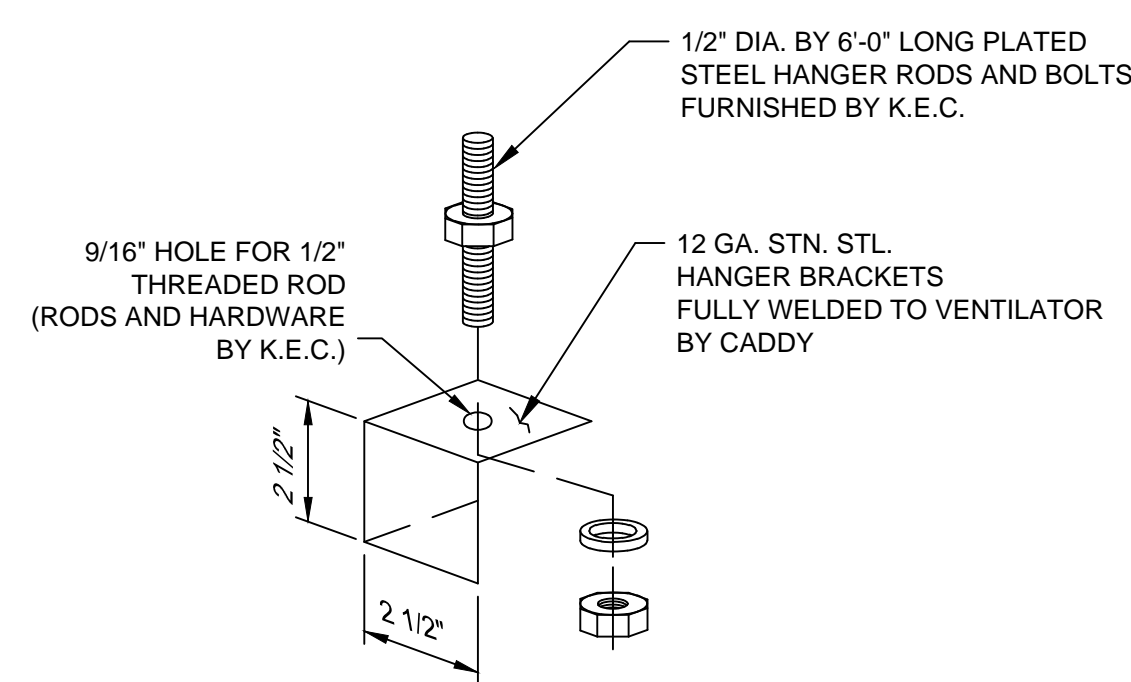
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
2. CAUTION: SURFACE FIRE PROTECTION SYSTEM INSTALLATION MUST BE COORDINATED WITH CADDY TO PREVENT SYSTEMS INTERFERENCE WITH VENTILATOR'S OPERATION/PERFORMANCE. IMPROPER INSTALLATION MAY VOID U.L. LISTINGS OF THE EQUIPMENT.
3. IMPORTANT NOTE: 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"



**HANGER BRACKET DETAIL**  
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 6'-10" LONG x 10'-0" WIDE x 28 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 1,500 LBS.

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

ROUGH-IN SCHEDULE		REVISIONS
SYM	QTY	DESCRIPTION
D	1	120V, 1Ø, 60Hz, 0.32 K.W. CONNECTED LOAD

REV	DATE	BY	REMARKS

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

**EQUIPMENT SCHEDULE**  
PB-I-120

CADDY NO. 06608 ITEM NO. 637

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #2)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

DATE 06/23/03 SCALE AS NOTED  
DR BY DRA APPD BY

**DWG# D-1-06608** SHT 25 OF 38

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

**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 MH8215 and MH12264

**UNIFORM MECHANICAL CODE**  
Section 507 - Commercial Kitchen Hoods and Kitchen Ventilation Systems

**THE BOCA NATIONAL MECHANICAL CODE**

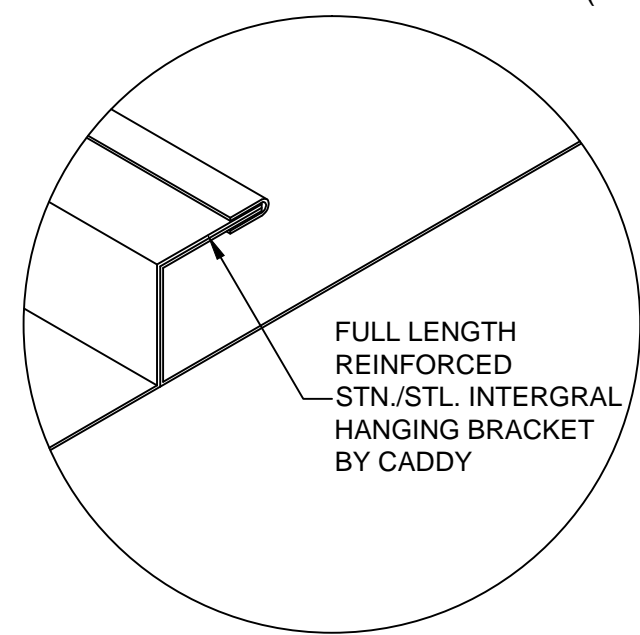
Chapter 5 - Kitchen Exhaust Equipment

**STANDARD MECHANICAL CODE (SBCCI)**

Section 504 - Commercial Hoods

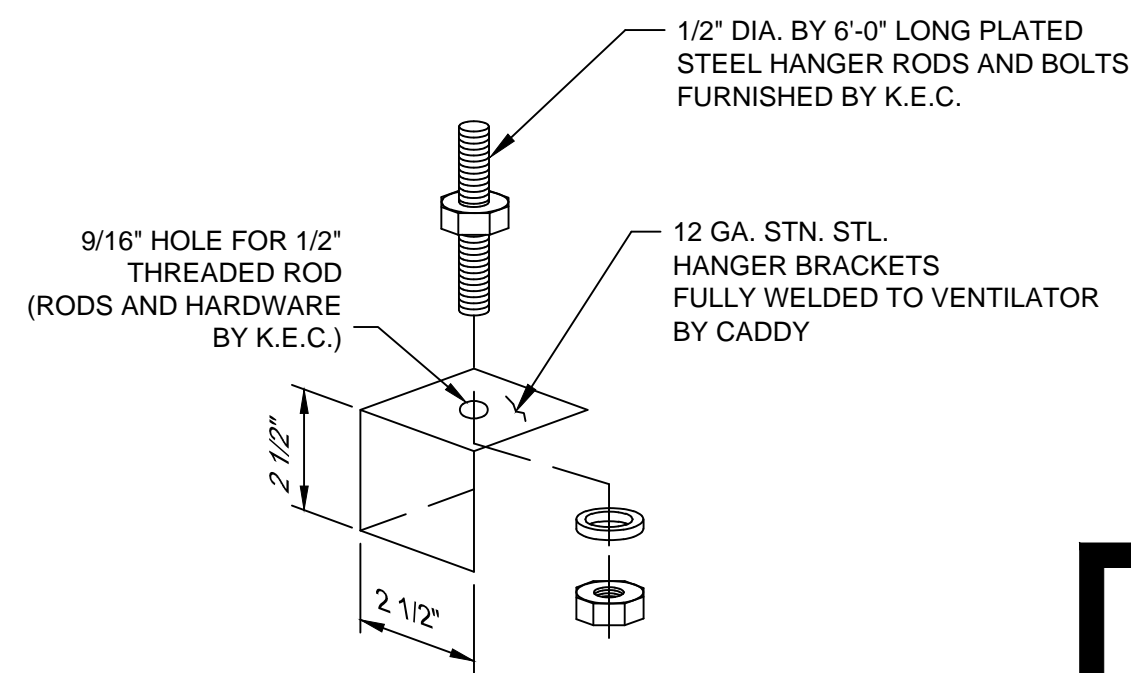
**UNIFORM BUILDING CODE (ICBO)**

**INTERNATIONAL MECHANICAL CODE (IMC)**



**HANGING BRACKET DETAIL**

SCALE: 1/4"=1"



**HANGER BRACKET DETAIL**

SCALE: 1/4"=1"

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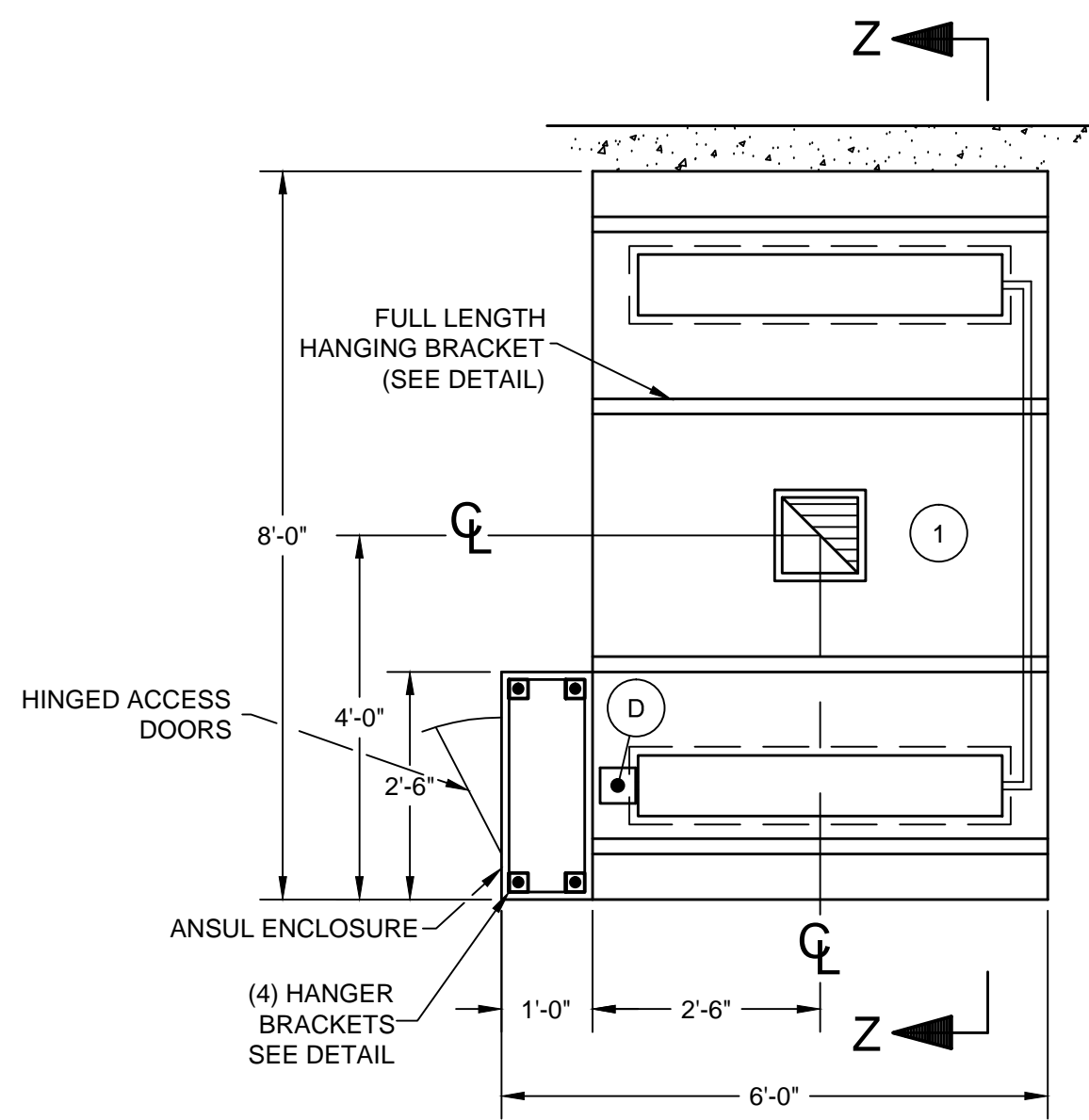
K.E.C. TO VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT, REVIEW PLAN FOR PROPER LINE-UP PRIOR TO FABRICATION OF VENTILATORS, AND TO NOTIFY CADDY OF ANY CHANGES.

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

**INSTALLATION INFORMATION**

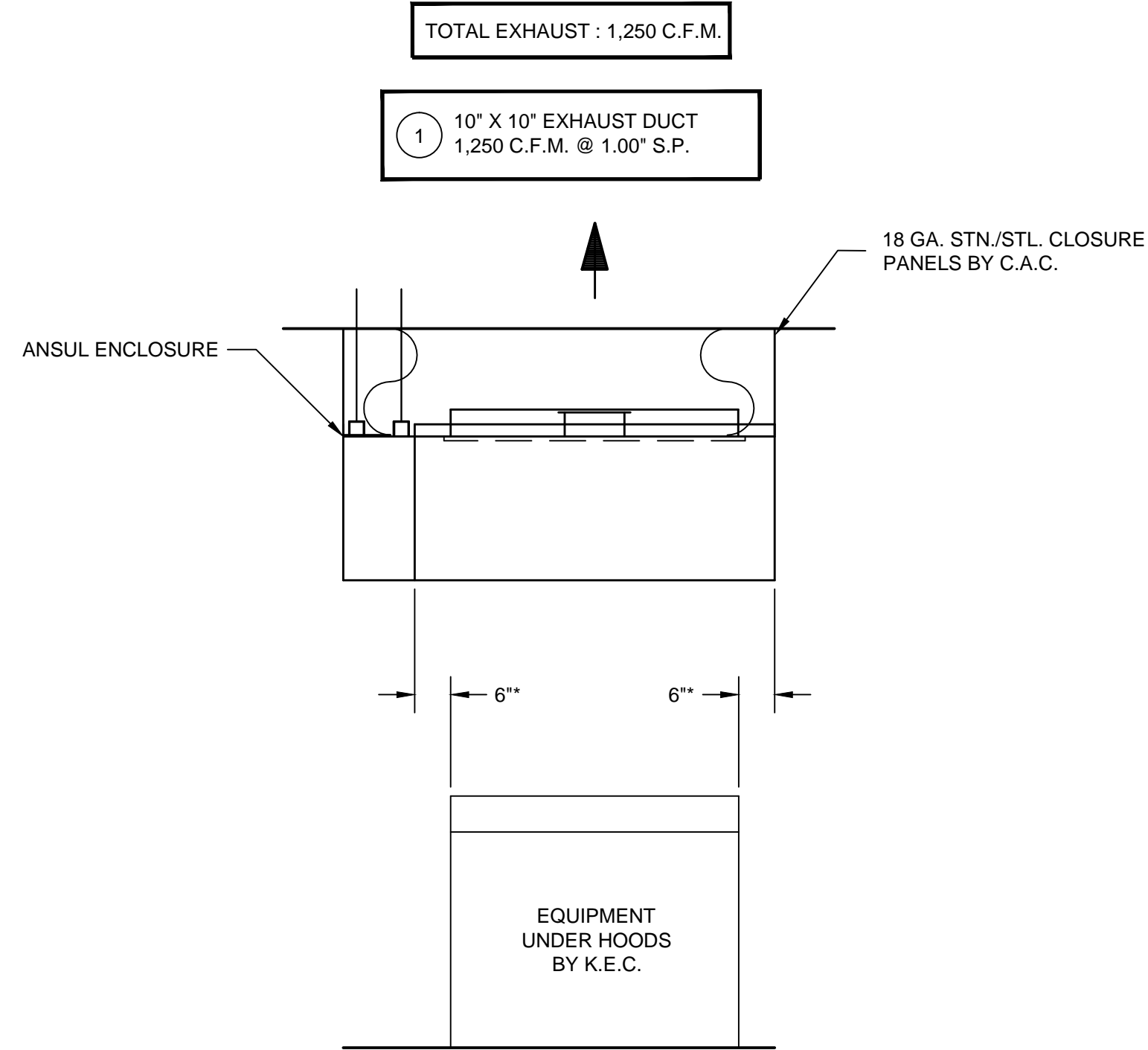
ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 6'-0" LONG x 8'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 600 LBS.

VENTILATOR TO BE SHIPPED IN (1) UNIT. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.



**PLAN**

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

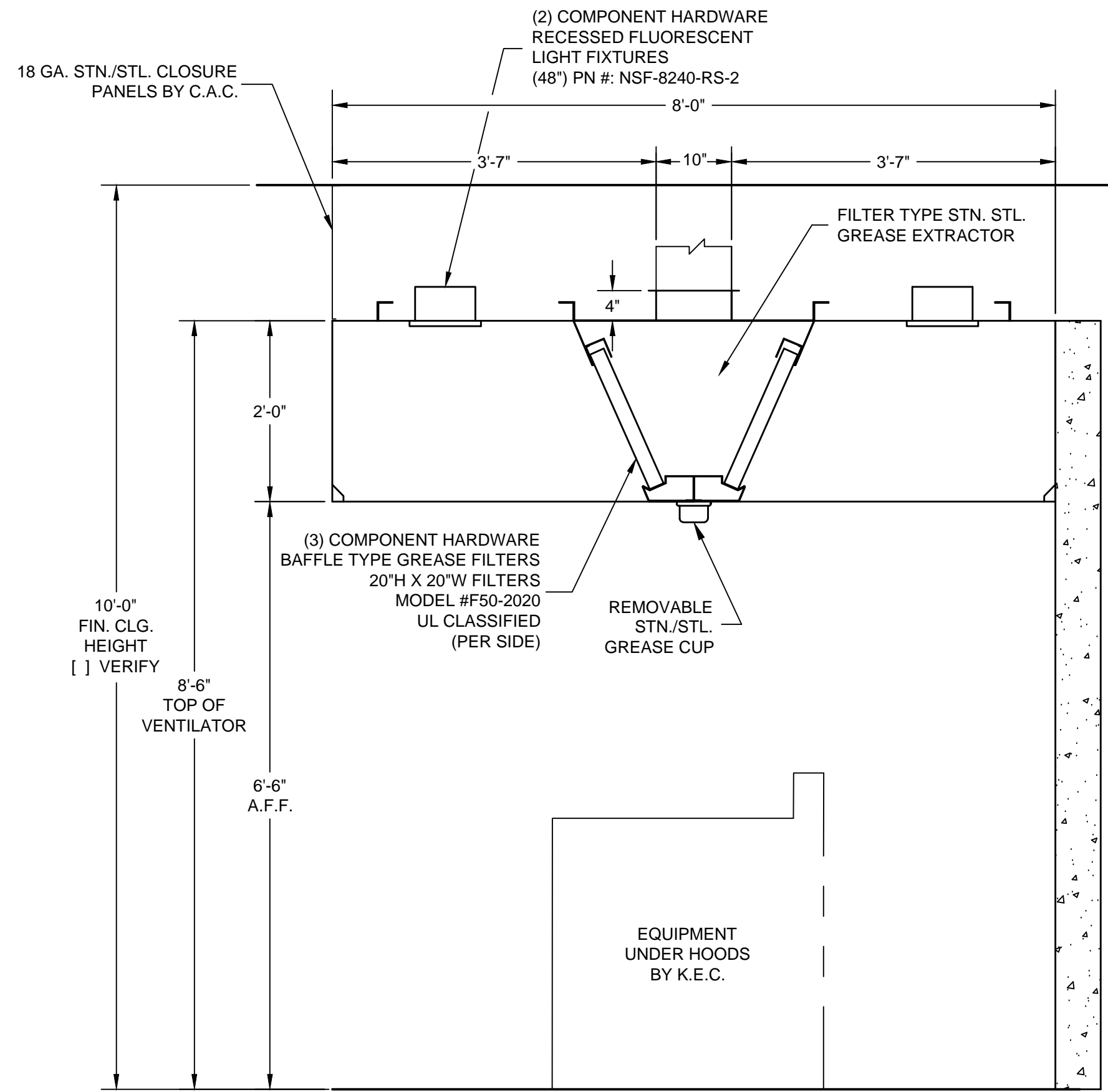


**ELEVATION**

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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (D) BY CADDY. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY ELECTRICAL CONTRACTOR.



**SECTION Z-Z**

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

**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
1. EXHAUST C.F.M. BASED ON 250 C.F.M. PER LINEAR FOOT.
  2. EXHAUST STATIC PRESSURE IS 1.00" 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.

- MAKE-UP AIR REQUIREMENTS:**
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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

- INSTALLATION:**
1. 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.).

1. 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.
2. 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, TYPE 304 NO. 4 FINISH.

- FIRE PROTECTION:**
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
  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 U.L. 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 K.E.C.



ROUGH-IN SCHEDULE		
SYM	QTY	DESCRIPTION
D	1	120V, 1Ø, 60HZ, 0.16 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	11-06-03	AGR	ADDED CLOSURE PANELS, REVISED HOOD TO UPDATED PB STYLE

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

**EQUIPMENT SCHEDULE**

PB-V-II-96

CADDY NO. 06608 ITEM NO. 639

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #2)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

DATE: 06/23/03 SCALE: AS NOTED  
DR BY: DRA APP'D BY:

**DWG# D-1-06608** SHT 26 OF 39

**CONTRACTOR NOTE:**

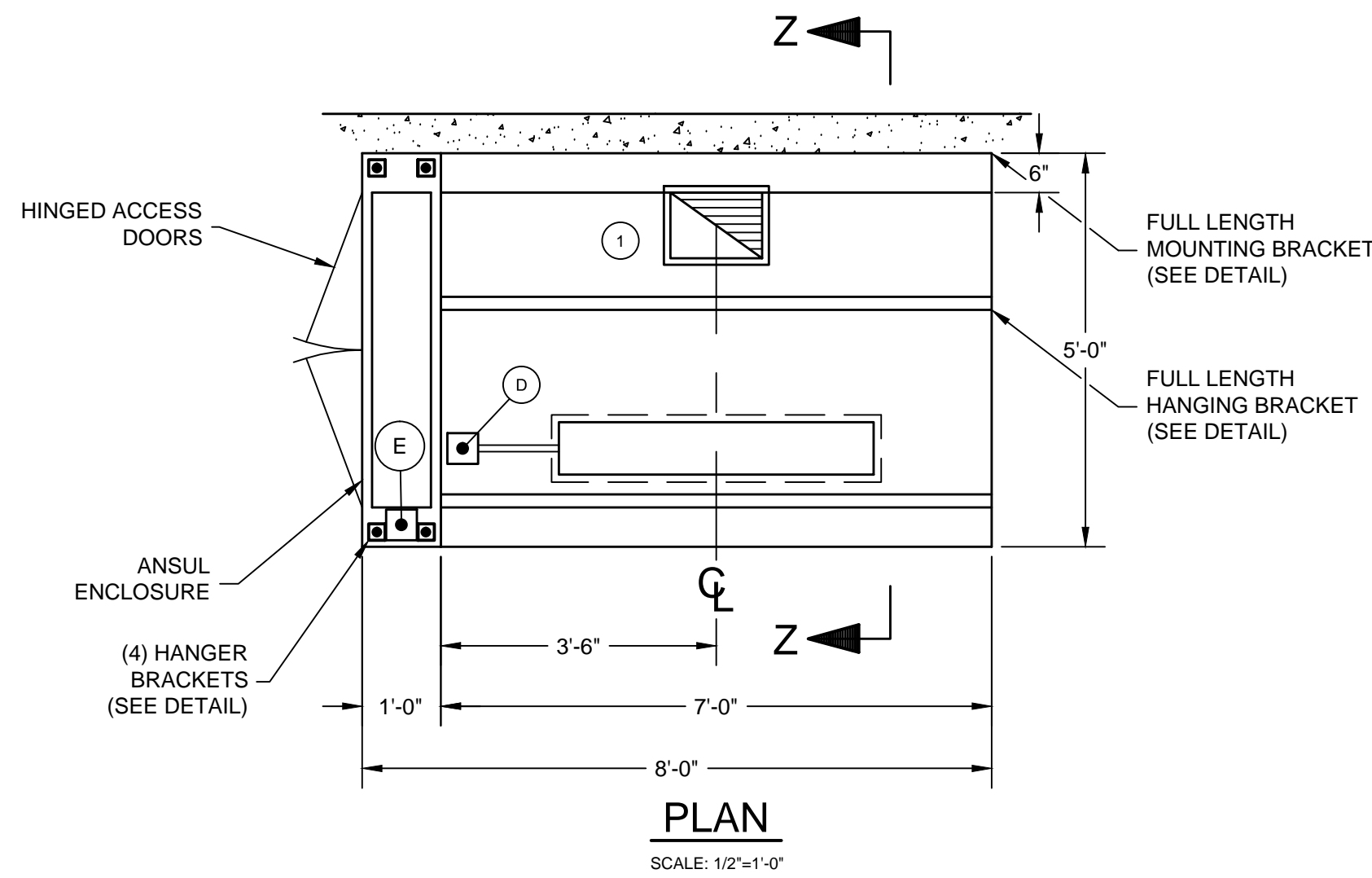
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

**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

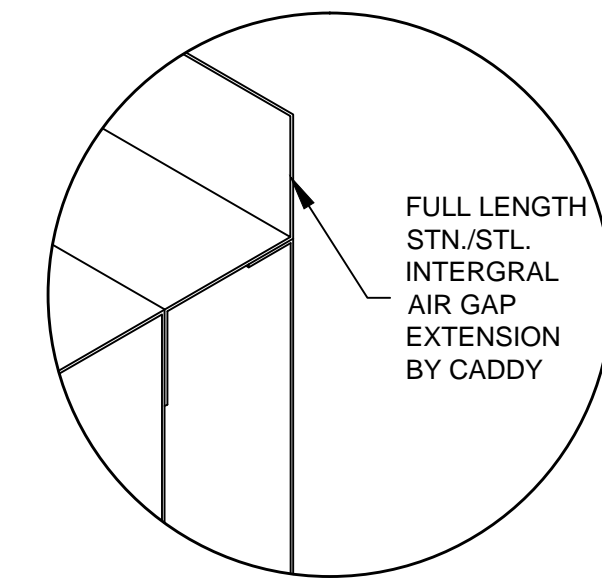
**THE CADDY VENTILATOR TESTING, LISTING AND APPROVAL REFERENCES:**

- 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 MH8215 and MH12264
- 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)



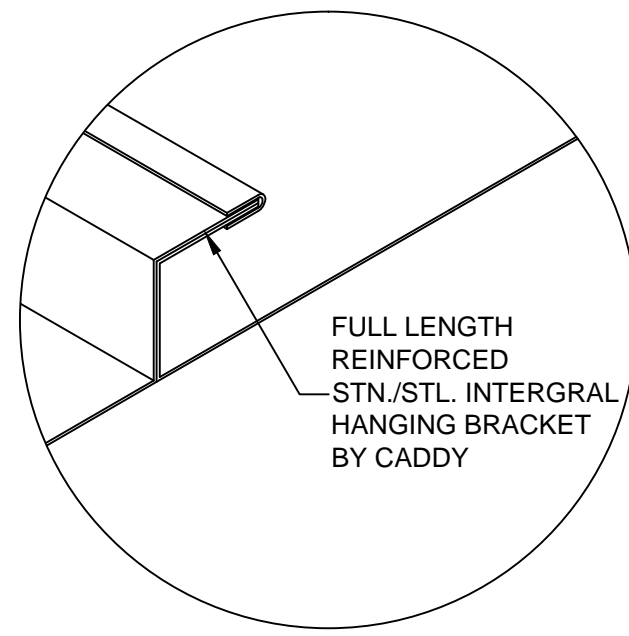
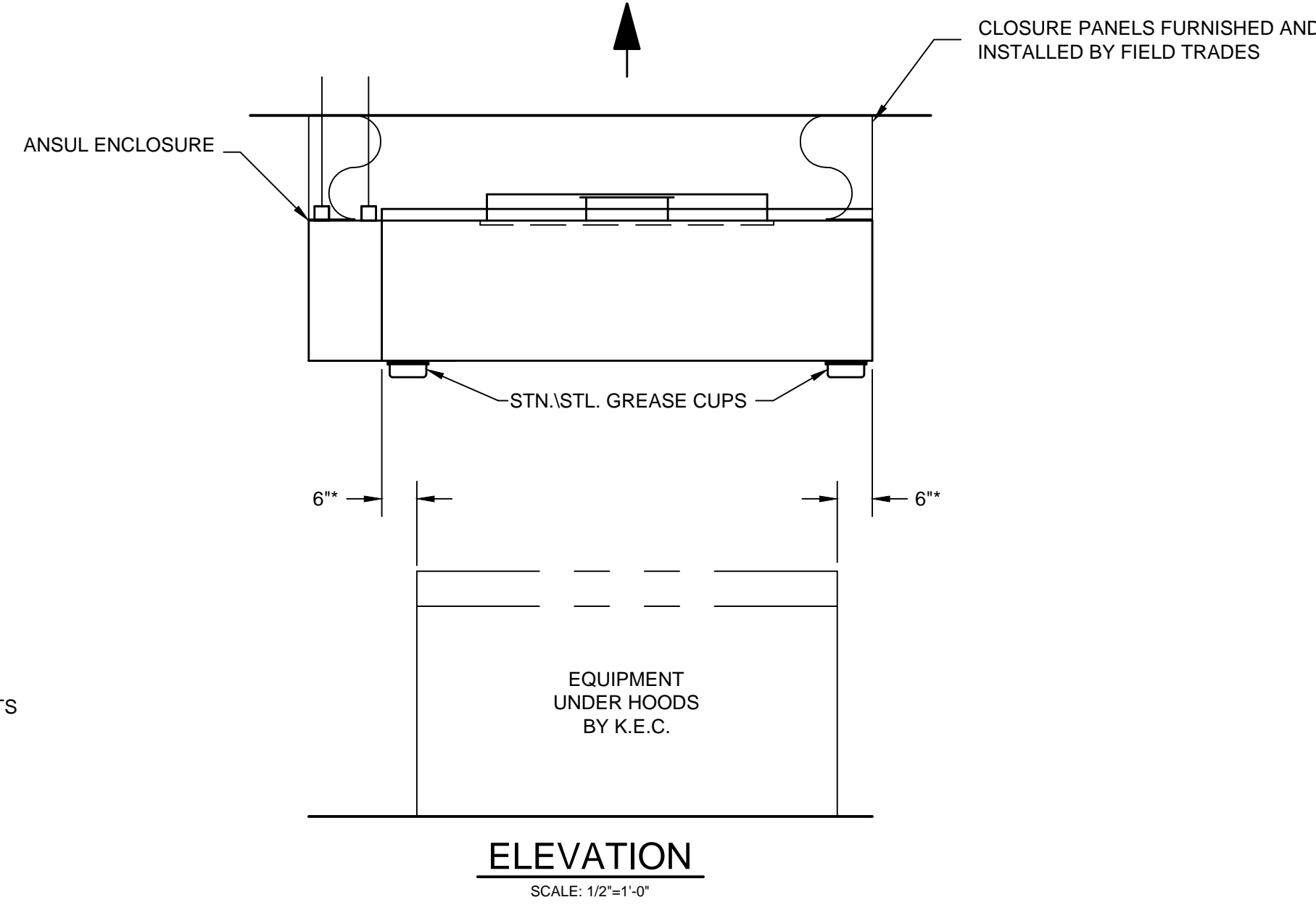
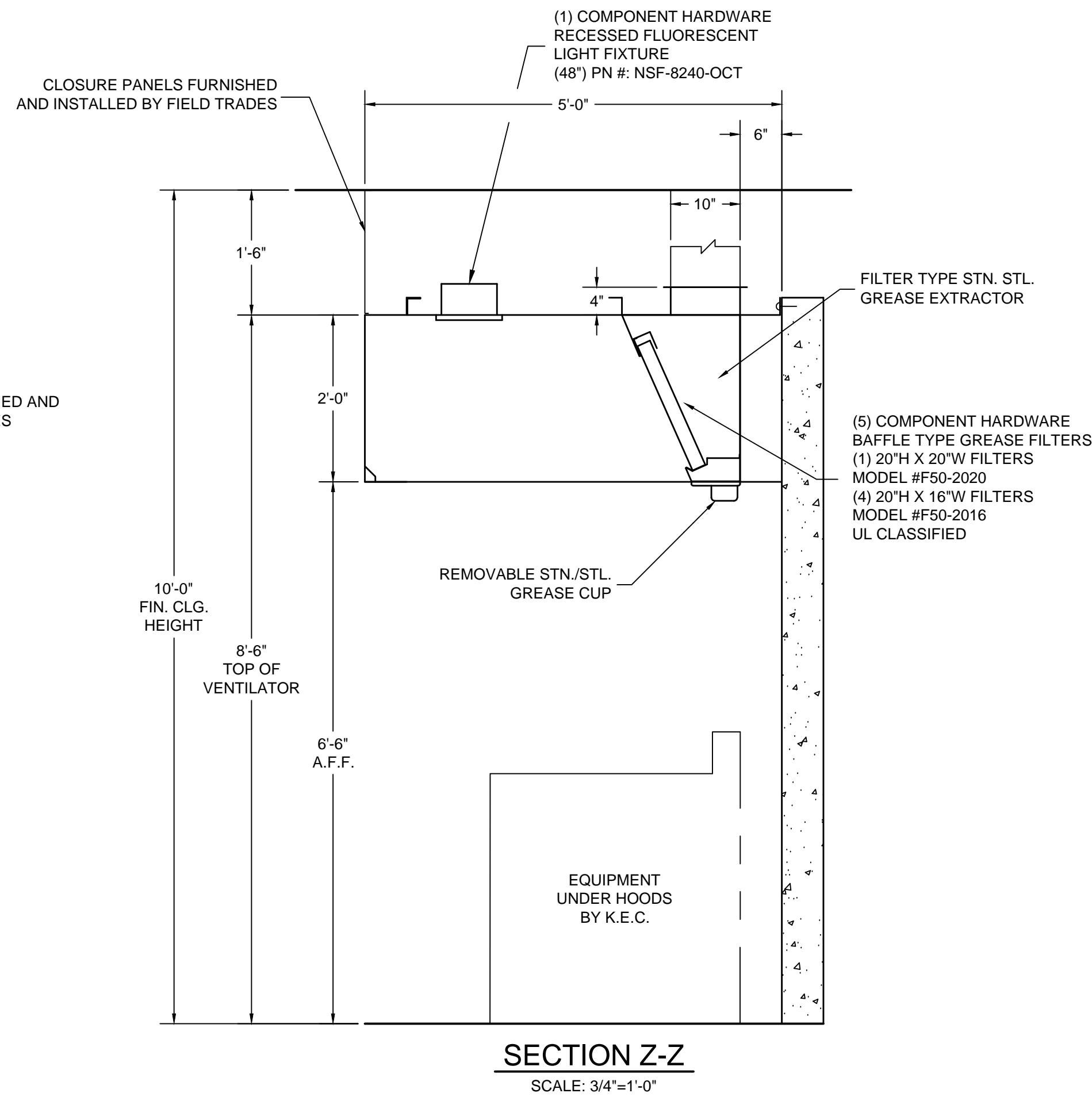
**ELECTRICAL NOTES:**

- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX BY CADDY. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY ELECTRICAL CONTRACTOR.



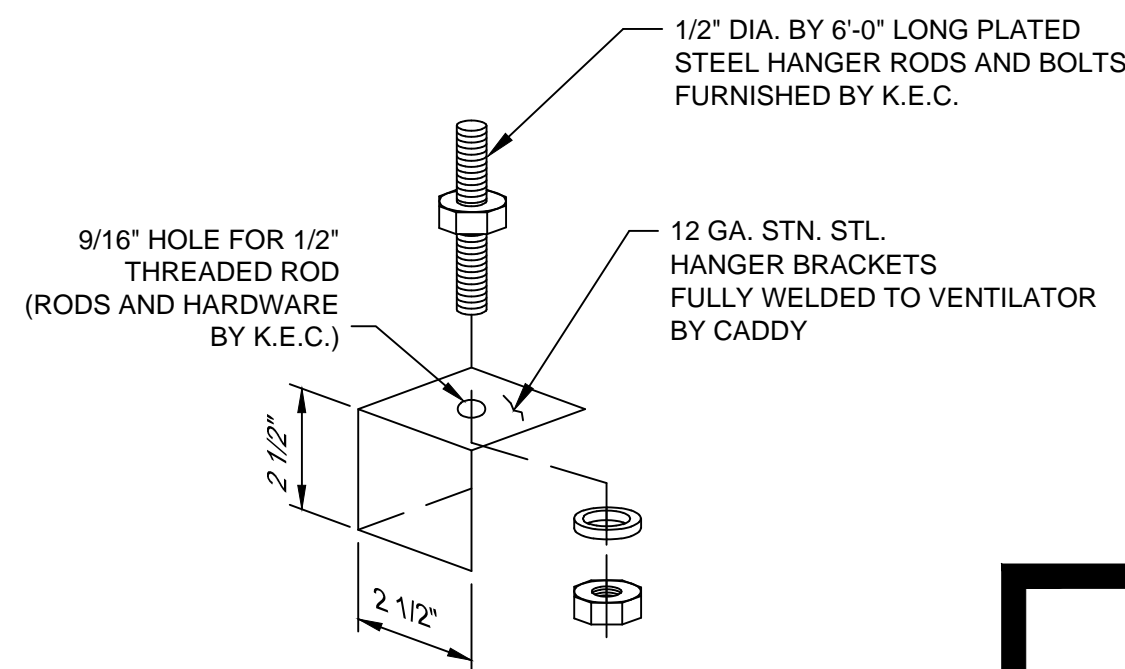
**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
- EXHAUST C.F.M. BASED ON 250 C.F.M. PER LINEAR FOOT.
  - EXHAUST STATIC PRESSURE IS 1.00" 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, TYPE 304 NO. 4 FINISH.
- 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 SHUT OFF UPON ACTIVATION OF THE SYSTEM.
- ELECTRICAL REQUIREMENTS:**
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY K.E.C.



**HANGING BRACKET DETAIL**

SCALE: 1/4"=1"



**HANGER BRACKET DETAIL**

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"

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 8'-0" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 490 LBS.

VENTILATOR TO BE SHIPPED IN (1) UNIT. 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, 0.08 K.W. CONNECTED LOAD
E	1	120V, 60HZ, 1PH, 15 A. SERVICE TO ANSUL
		SYSTEM BY E.C.

**REVISIONS**

REV	DATE	BY	REMARKS
A	11-06-03	AGR	ADDED CLOSURE PANELS, REVISED HOOD TO UPDATED PB STYLE
B	12-2-03	BJW	FABRICATED PER APPROVED DRAWINGS

**CADDY AirSystems**

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

**EQUIPMENT SCHEDULE**

PB-60

CADDY NO. 06608-23 ITEM NO. 641

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #2)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

**DWG# D-1-06608**

SHT 27  
OF 39

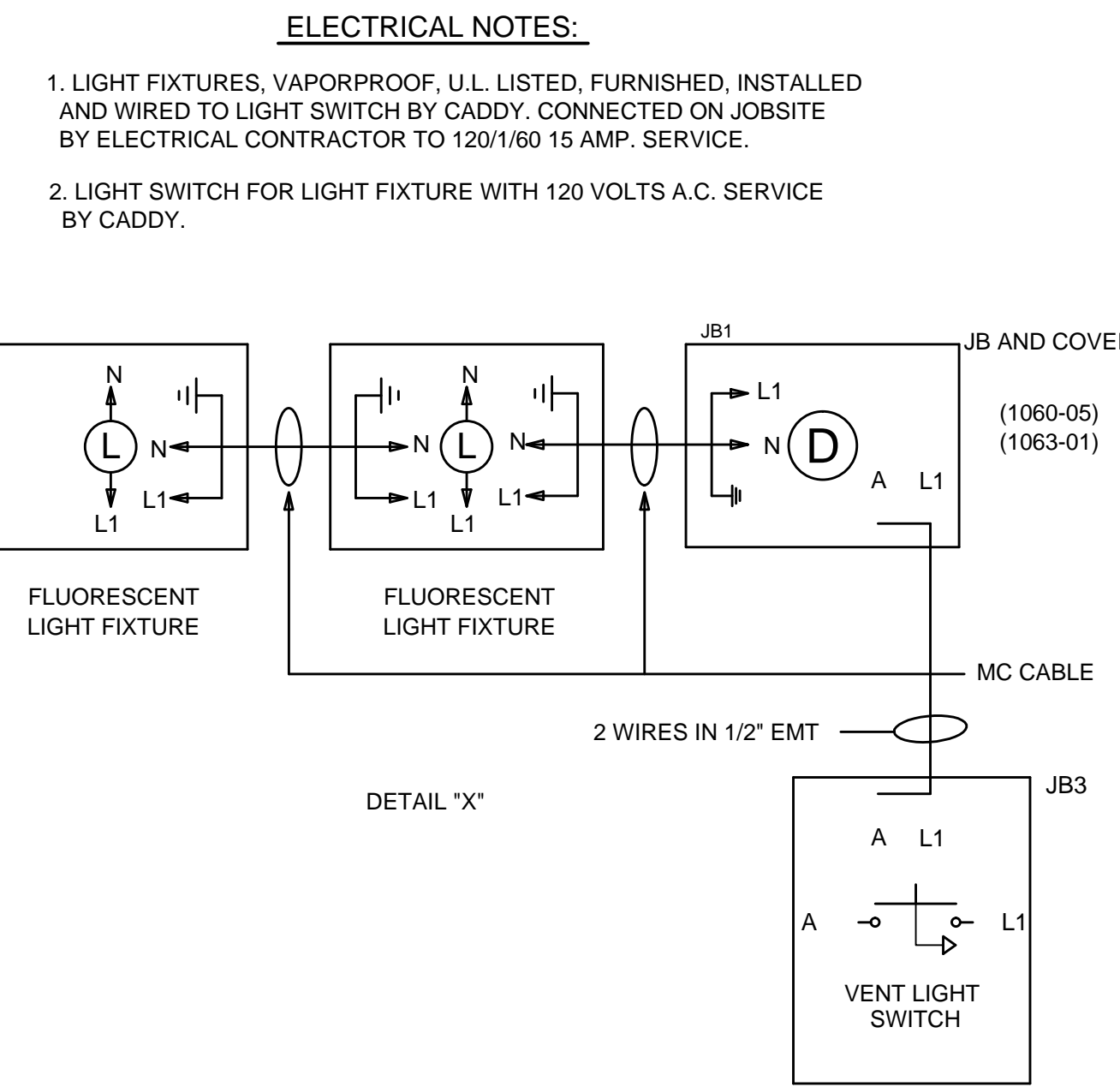
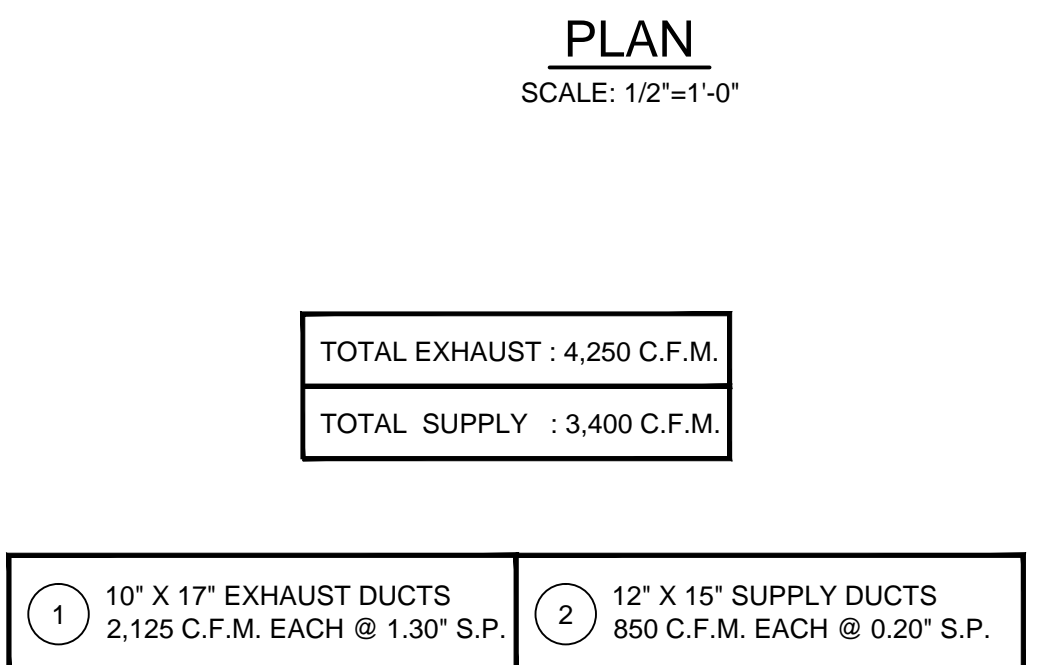
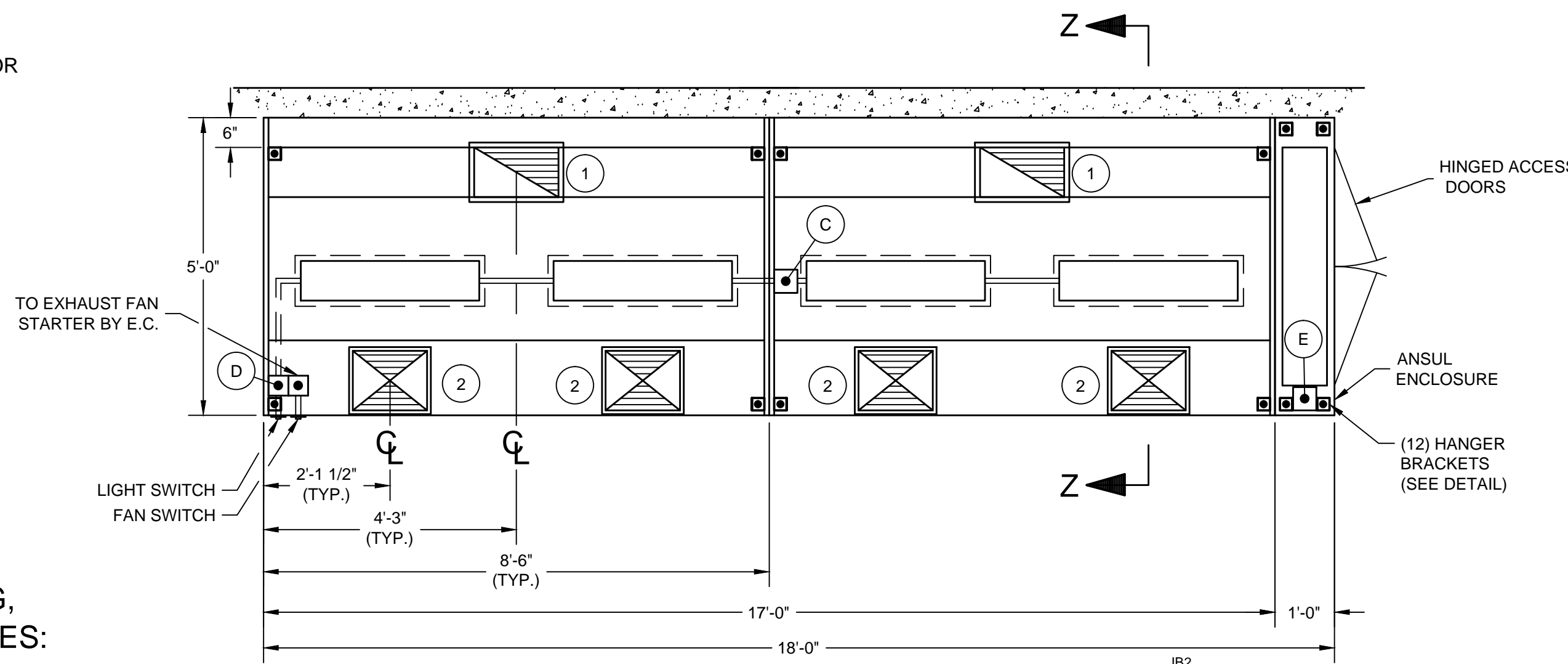
**GENERAL CONTRACT CONDITIONS**  
ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITERS LABORATORIES, INC. INsofar AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY 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.

**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

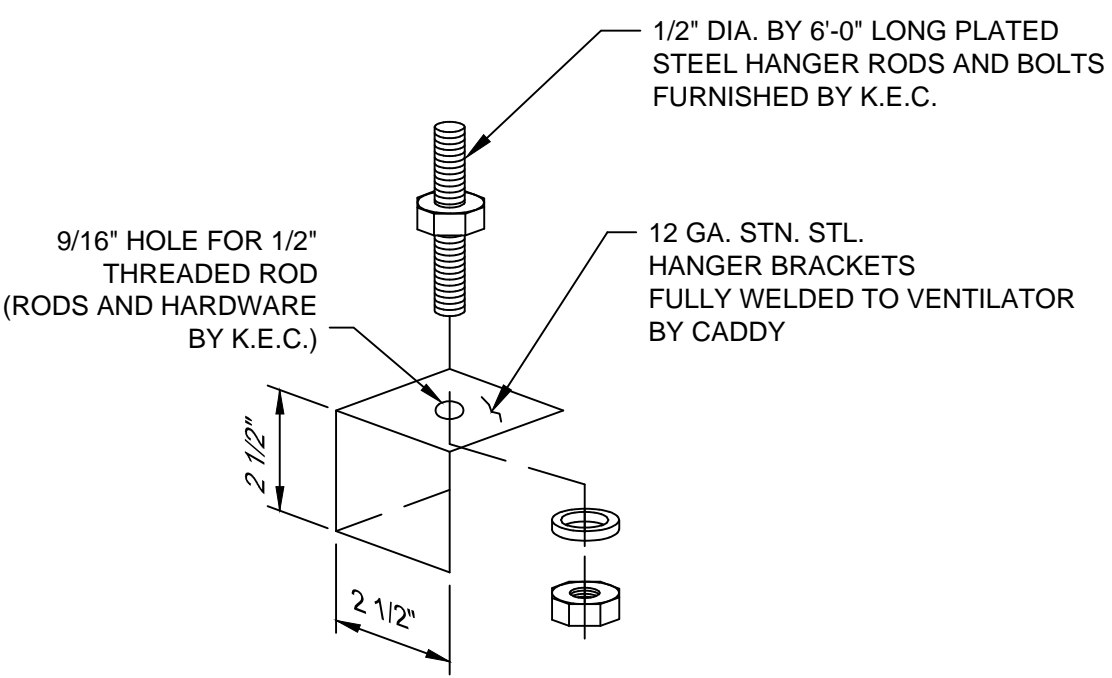
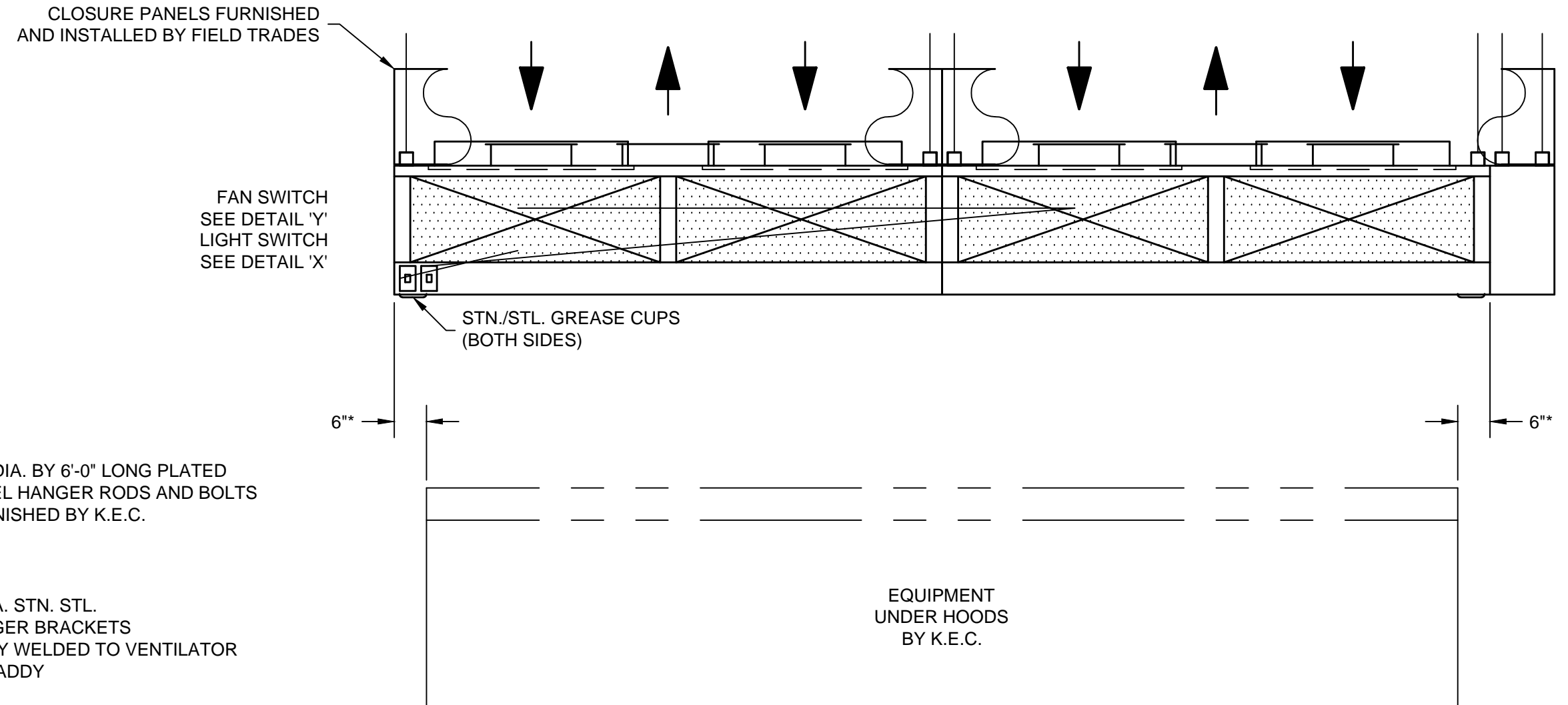
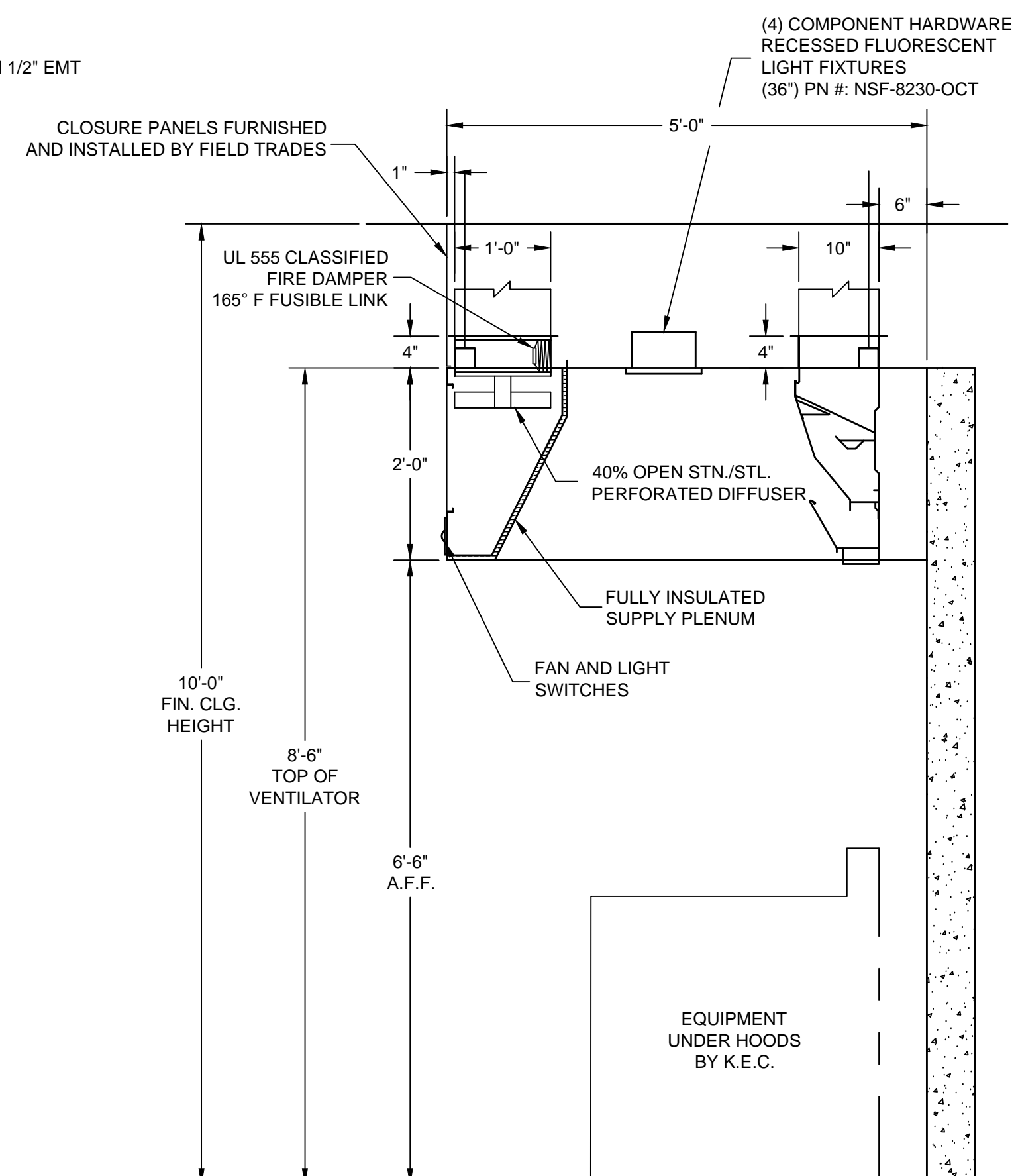
**THE CADDY VENTILATOR TESTING, LISTING AND APPROVAL REFERENCES:**

- 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 MH8215 and MH12264
- 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)



**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
- EXHAUST C.F.M. BASED ON 250 C.F.M. PER LINEAR FOOT.
  - EXHAUST STATIC PRESSURE IS 1.30" 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, TYPE 304 NO. 4 FINISH.
- 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 SHUT OFF UPON ACTIVATION OF THE SYSTEM.
- ELECTRICAL REQUIREMENTS:**
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY K.E.C.



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 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.

**INSTALLATION INFORMATION**  
ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 9'-6" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 1,500 LBS.  
VENTILATOR TO BE SHIPPED IN (2) UNITS. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.32 K.W. CONNECTED LOAD
E	1	120V, 60HZ, 1PH, 15 A. SERVICE TO ANSUL
SYSTEM BY E.C.		

REVISIONS			
REV	DATE	BY	REMARKS
A	11-06-03	AGR	ADDED CLOSURE PANELS, REVISED HOOD TO UPDATED FB STYLE
B	12-2-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

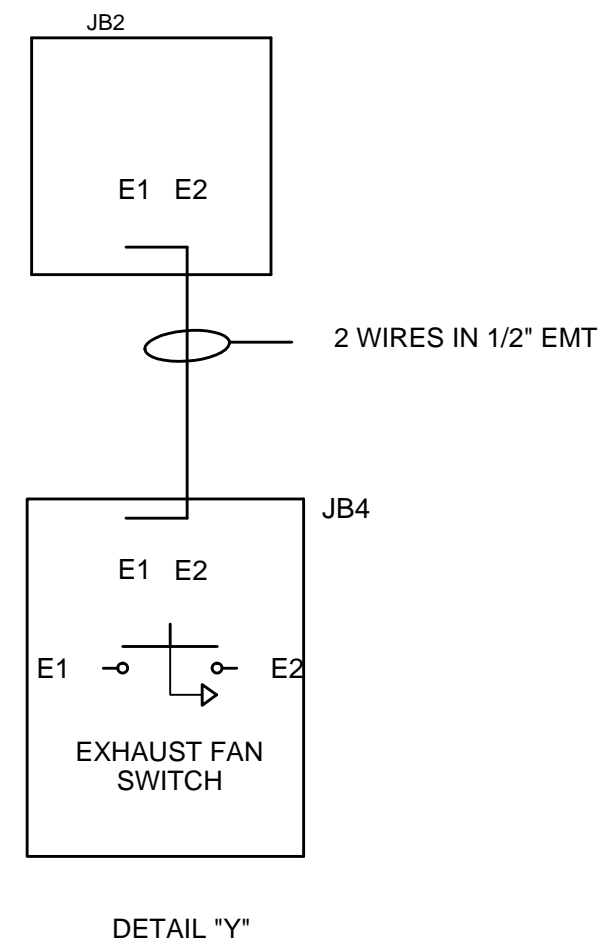
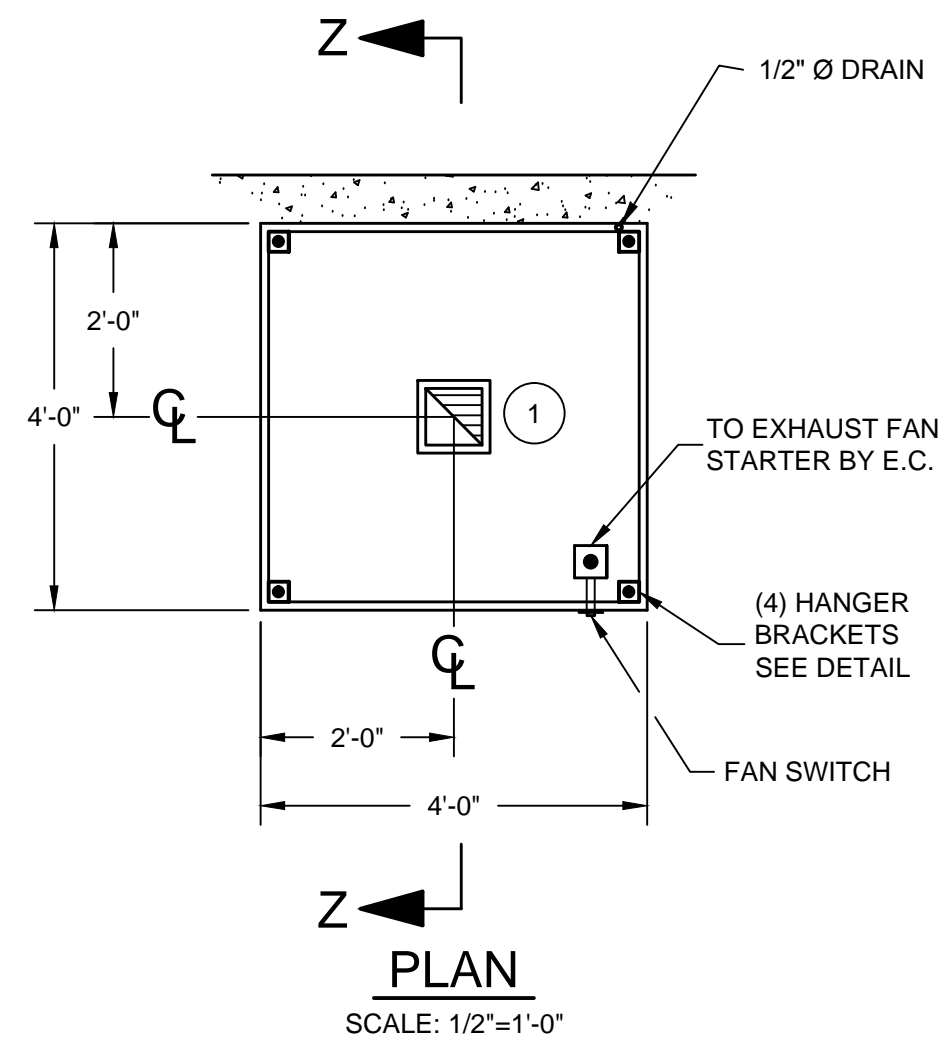
**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-24 ITEM NO. 643

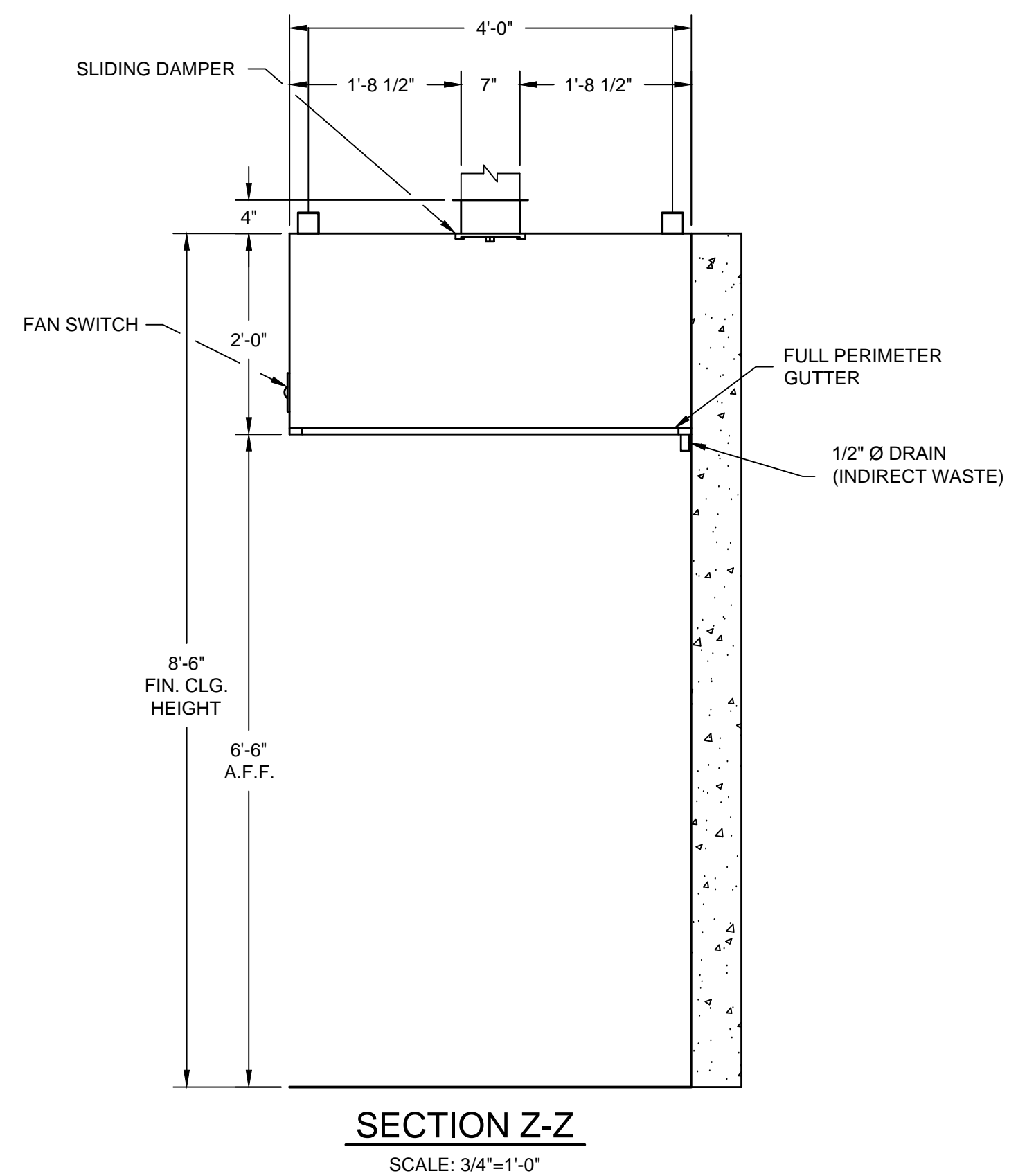
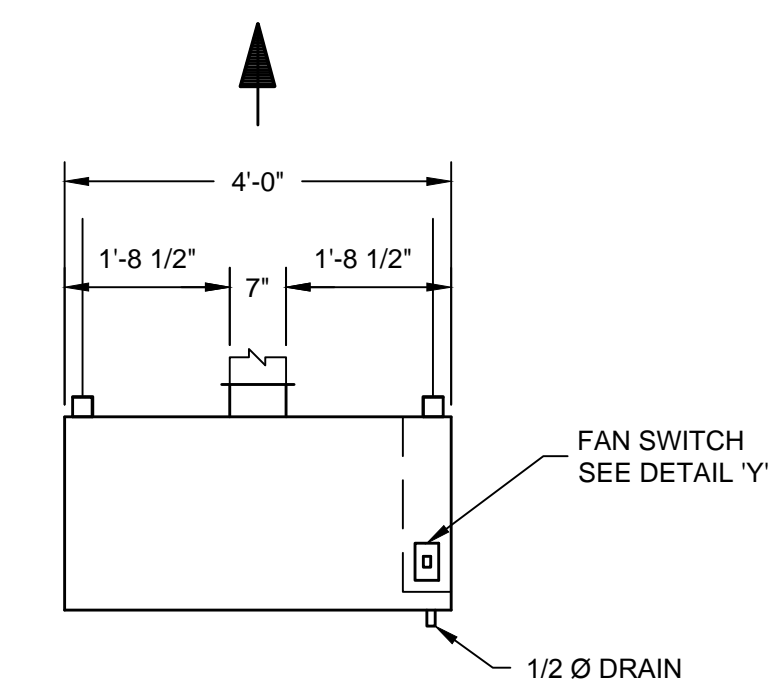
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #2)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608** SHT 28 OF 39



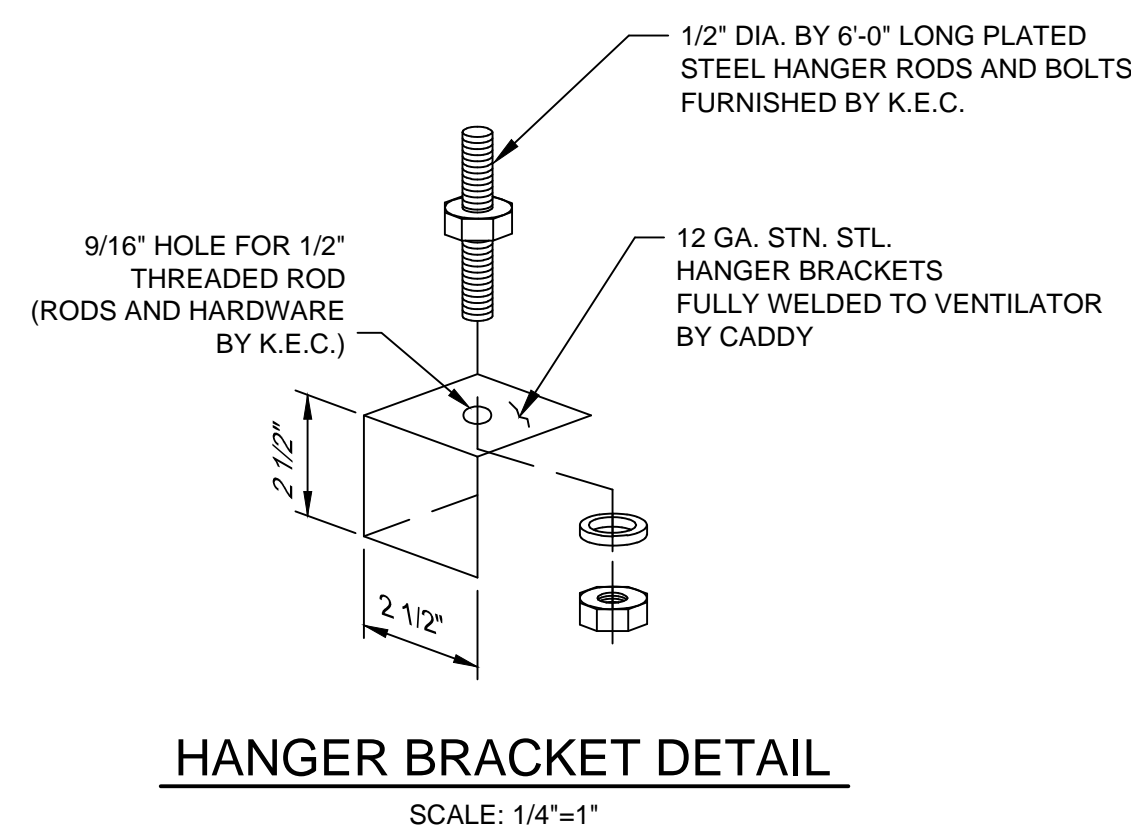
TOTAL EXHAUST : 600 C.F.M.

① 7" X 7" EXHAUST DUCT  
600 C.F.M. @ 0.25" S.P.



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

NATIONAL SANITATION FOUNDATION  
Standard #2 - "Food Service Equipment"



**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
4'-0" LONG x 4'-0" WIDE x 28" HIGH  
ESTIMATED HANGING WEIGHT: 200 LBS.

VENTILATOR TO BE SHIPPED IN (1) UNIT.  
ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

**NOTES**

- AIR SYSTEMS SHALL NOT BE LIABLE FOR IMPROPER FUNCTION DUE TO CHANGE IN STATIC PRESSURE OR AIR VOLUMES SPECIFIED.
- ALL DIMENSIONS TO BE VERIFIED IN FIELD BY OTHERS BEFORE VENTILATORS ARE RELEASED FOR MANUFACTURE.
- INDICATE ALL BEAMS, COLUMNS, ETC. WHICH MAY CONFLICT WITH VENTILATOR OR EXHAUST OUTLET COLLAR(S) (INDICATE SIZE, LOCATION, AND HEIGHT ABOVE FINISHED FLOOR.)
- INSTALLING CONTRACTOR SHALL CHECK ALL BUILDING ACCESS, ENTRANCE AND FIELD CONDITIONS TO ENSURE SUFFICIENT CLEARANCE TO ALLOW VENTILATOR SECTION(S) (SIZE(S) AS DIMENSIONED ON THIS DRAWING) TO BE BROUGHT INTO BUILDING AND INSTALLED ACCORDING TO AIR SYSTEMS RECOMMENDATIONS.
- ALL EXHAUST DUCT COLLARS ARE INSIDE DIMENSIONS. CONNECTION DUCTWORK SHALL SLEEVE INTO VENTILATOR OUTLET(S).
- ALL DUCTWORK BEYOND THE VENTILATOR OR EXHAUST DUCT COLLAR(S) TO BE PROVIDED AND INSTALLED BY OTHERS IN ACCORDANCE WITH JURISDICTIONAL CODES, AND MUST BE MECHANICALLY STRONG, AND GREASE AND WATER TIGHT.
- VENTILATOR(S) SHALL BE N.S.F. APPROVED AND SHALL BEAR N.S.F. LABELS VISIBLY AFFIXED TO EXTERIOR.

**REVISIONS**

REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	12-2-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

CH-W-48

CADDY NO. 06608-18 ITEM NO. 718

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #1)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

DATE	06/23/03	SCALE	AS NOTED
DR BY	DRA	APP'D BY	

**DWG# D-1-06608**

SHT 29  
OF 39

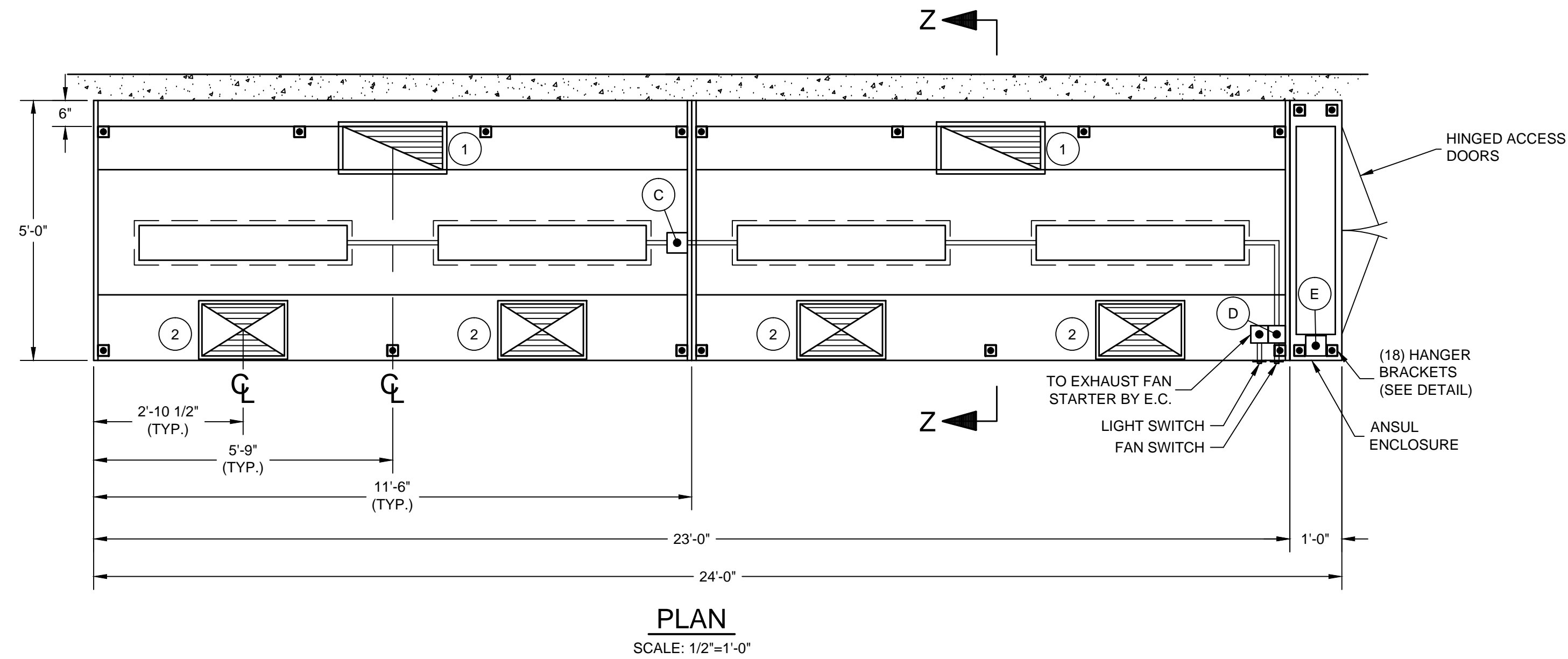
**GENERAL CONTRACT CONDITIONS**  
ELECTRICAL WORK DONE BY CADDY CORPORATION OF AMERICA IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INsofar AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), CADDY CORPORATION OF AMERICA DOES NOT 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 CHARGE TO CADDY CORPORATION OF AMERICA, 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 DRAWINGS WHICH MUST BE APPROVED PRIOR TO FABRICATION. ANY SUBSEQUENT CHANGES REQUIRED MUST BE SUBMITTED TO US IN WRITING AND ACKNOWLEDGED ON OUR STANDARD FORM.

**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

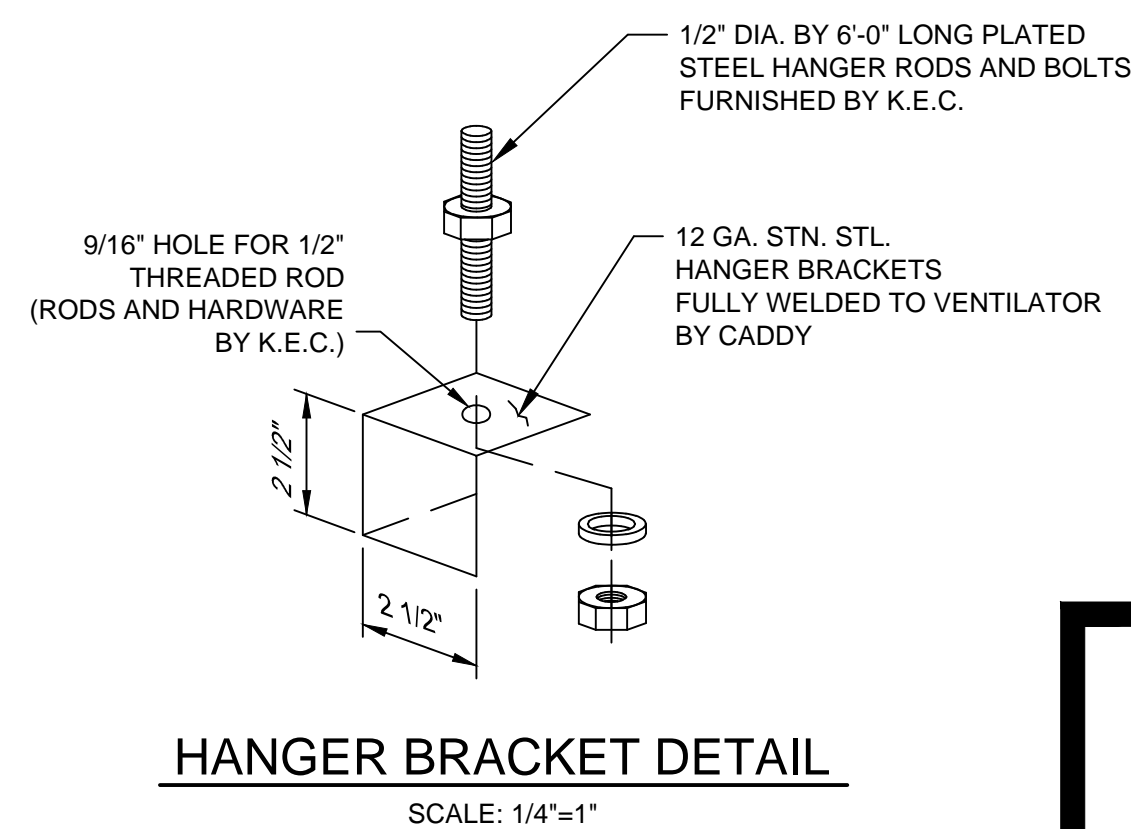
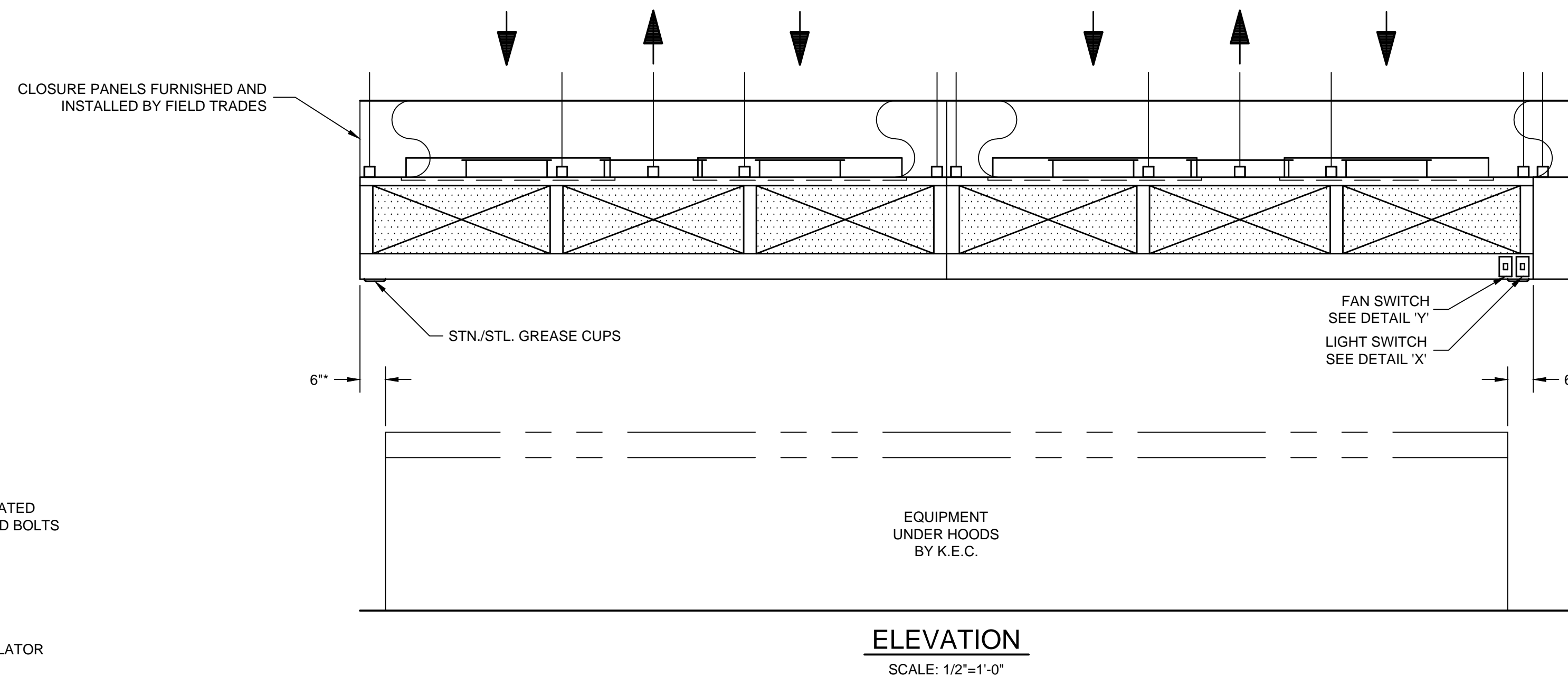
**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (D) BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX (C). RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.



TOTAL EXHAUST : 5,750 C.F.M.  
TOTAL SUPPLY : 4,600 C.F.M.

1	10" X 23" EXHAUST DUCTS 2,875 C.F.M. EACH @ 1.30" S.P.	2	12" X 19" SUPPLY DUCTS 1,150 C.F.M. EACH @ 0.20" S.P.
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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 11'-6" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 1,960 LBS.

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

**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 MH8215 and MH12264
- 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)



REVISIONS			
REV	DATE	BY	REMARKS
A	8-14-03	RCM	REVISED PER RETURNED PRINT RECEIVED 8-13-03
B	12-3-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-1-60

CADDY NO. 06608-19 ITEM NO. 735

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #1)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

ROUGH-IN SCHEDULE		
SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.32 K.W. CONNECTED LOAD
E	1	120V, 60HZ, 1PH, 15 A. SERVICE TO ANSUL
SYSTEM BY E.C.		

DATE	06/23/03	SCALE	AS NOTED
DR BY	DRA	APP'D BY	

**DWG# D-1-06608**

SHT 30  
OF 39

**GENERAL CONTRACT CONDITIONS**  
ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. IN SO FAR 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.

**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

**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
1. EXHAUST C.F.M. BASED ON 250 C.F.M. PER LINEAR FOOT.
  2. EXHAUST STATIC PRESSURE IS 1.30" 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 1800 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.
- MAKE-UP AIR REQUIREMENTS:**
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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

1. 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, CEILING, ETC.).

1. 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.

2. 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, TYPE 304 NO. 4 FINISH.

**FIRE PROTECTION:**

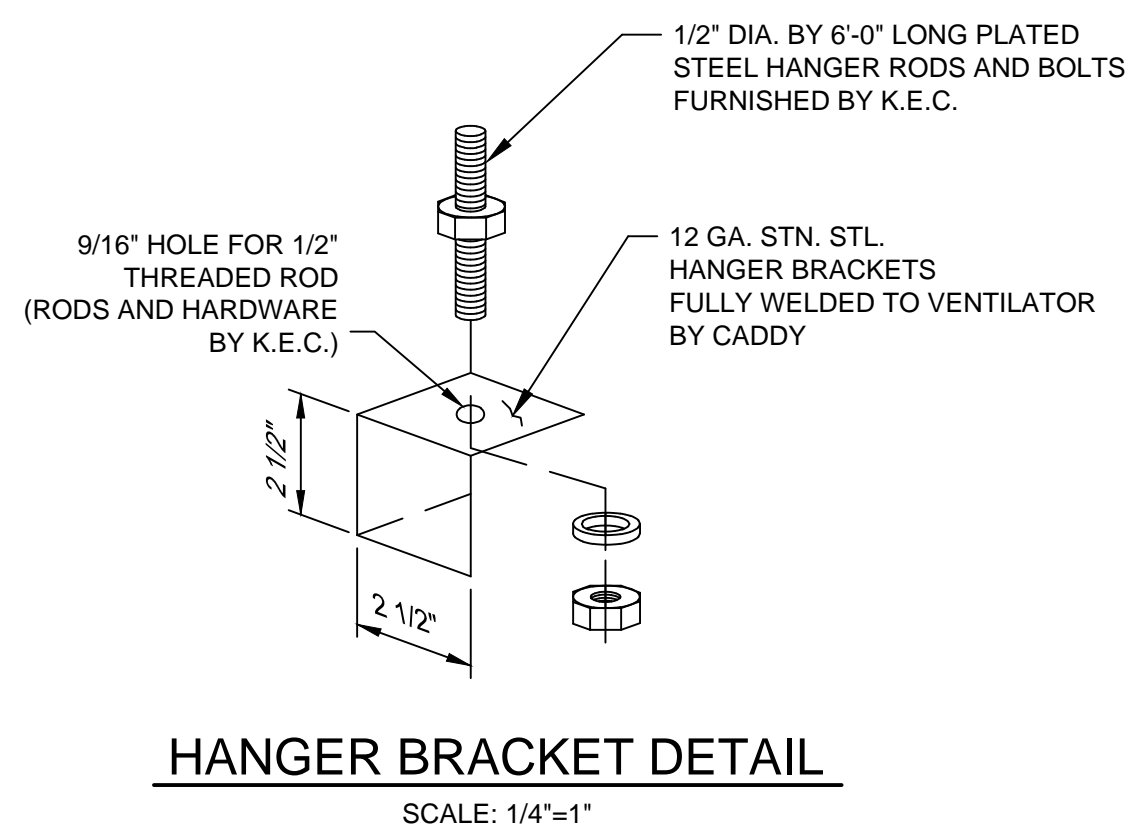
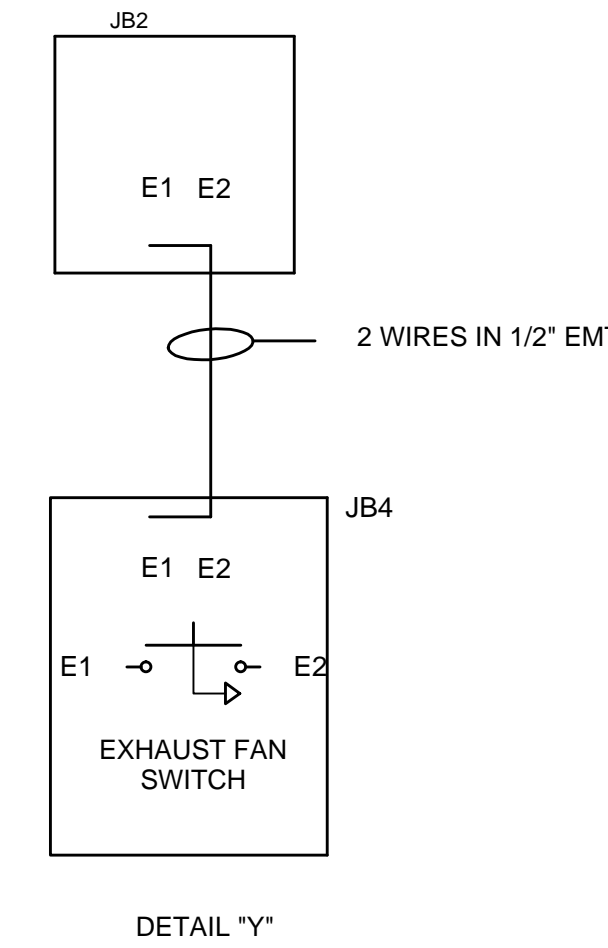
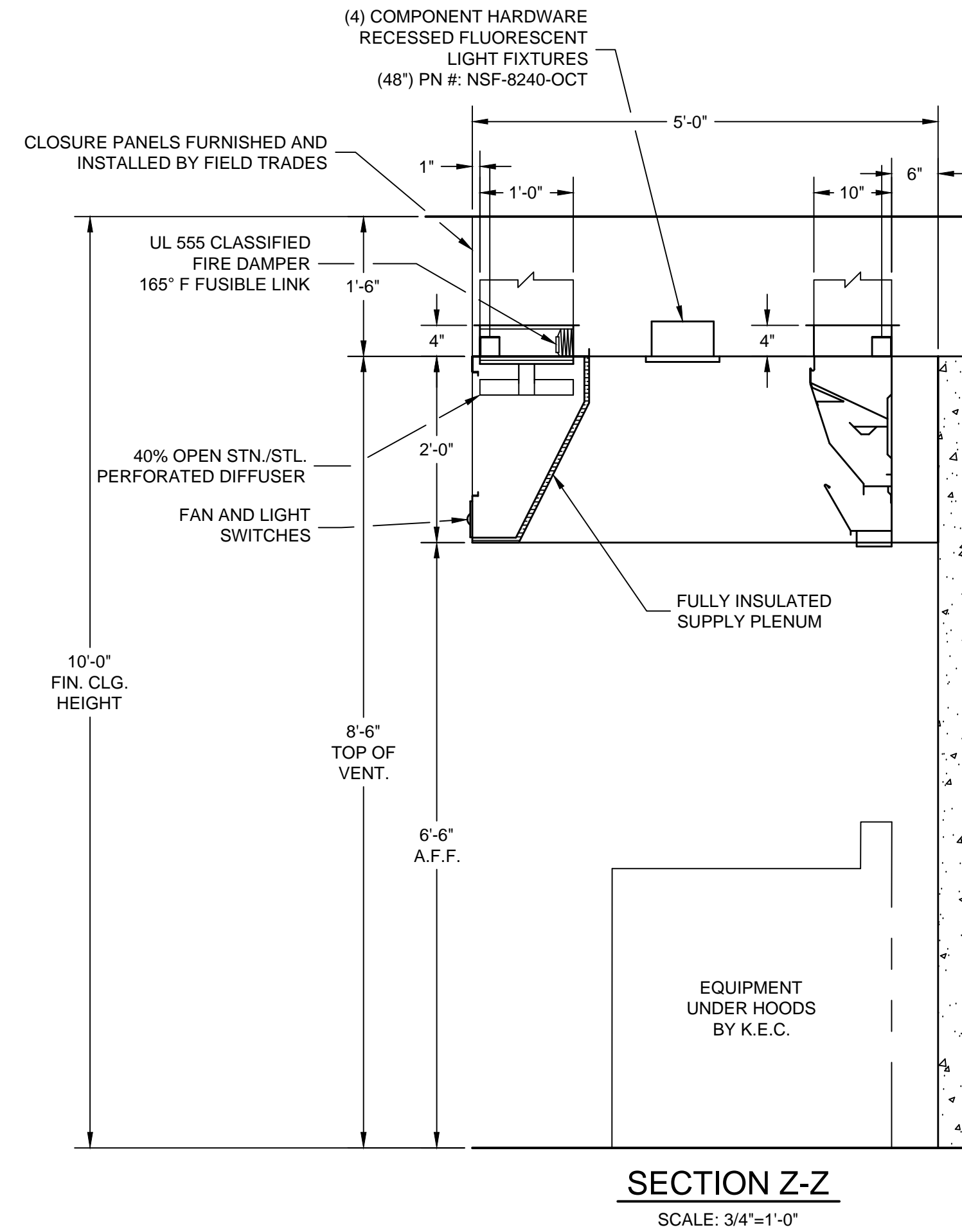
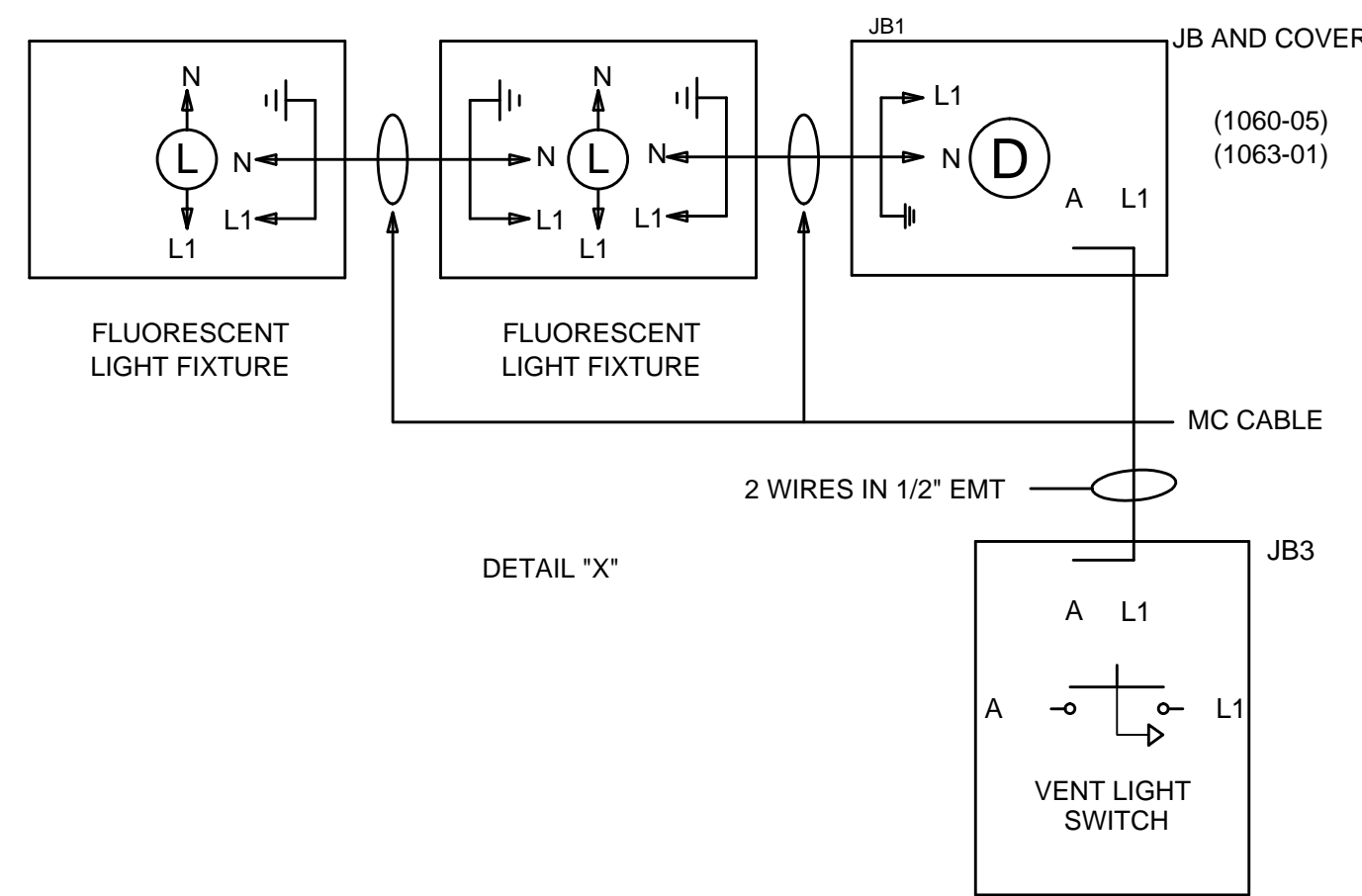
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
2. CAUTION: SURFACE FIRE PROTECTION SYSTEM INSTALLATION MUST BE COORDINATED WITH CADDY TO PREVENT SYSTEMS INTERFERENCE WITH VENTILATOR'S OPERATION/PERFORMANCE. IMPROPER INSTALLATION MAY VOID U.L. LISTINGS OF THE EQUIPMENT.
3. IMPORTANT NOTE: 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.

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (®) BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX (®). RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.



**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.**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 11'-6\"/>

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, 0.32 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	8-14-03	RCM	REVISED PER RETURNED PRINT RECEIVED 8-13-03
B	12-3-03	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-I-60

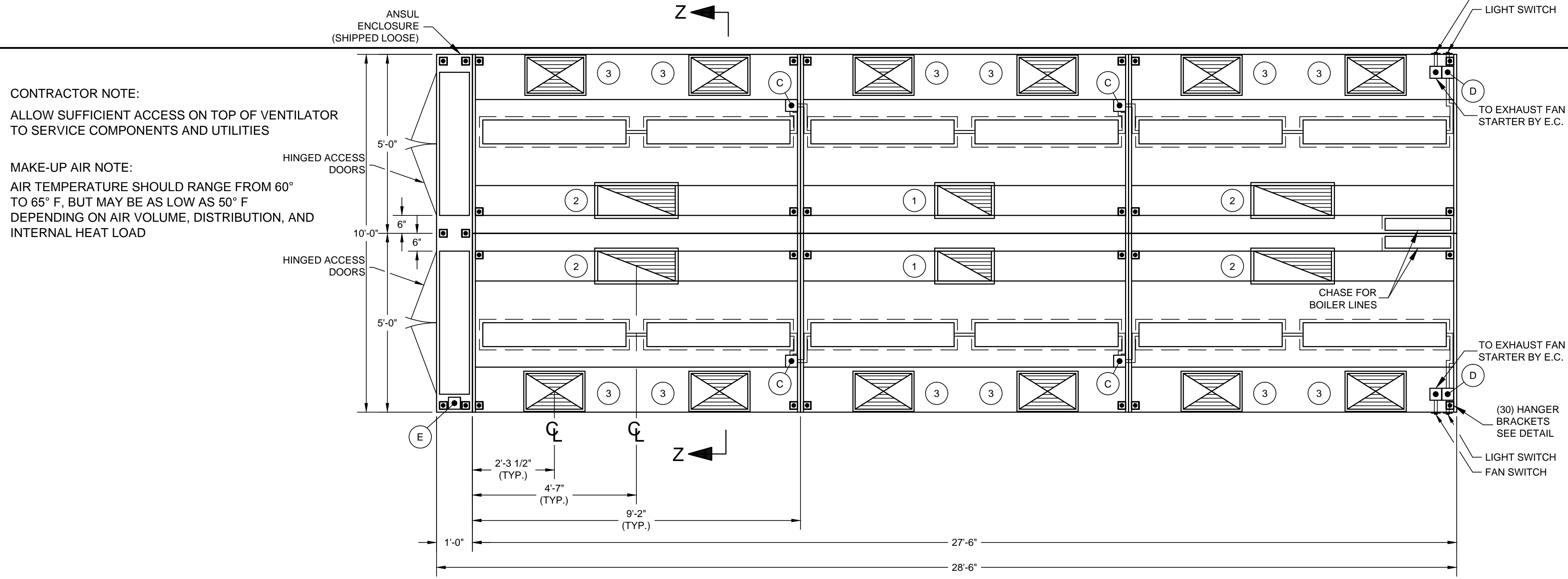
CADDY NO. 06608-19 ITEM NO. 735

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (PASTRY KIT. #1)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

DATE: 06/23/03 SCALE: AS NOTED  
DR BY: DRA APP'D BY:

**DWG# D-1-06608** SHT 31 OF 39

**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.



**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

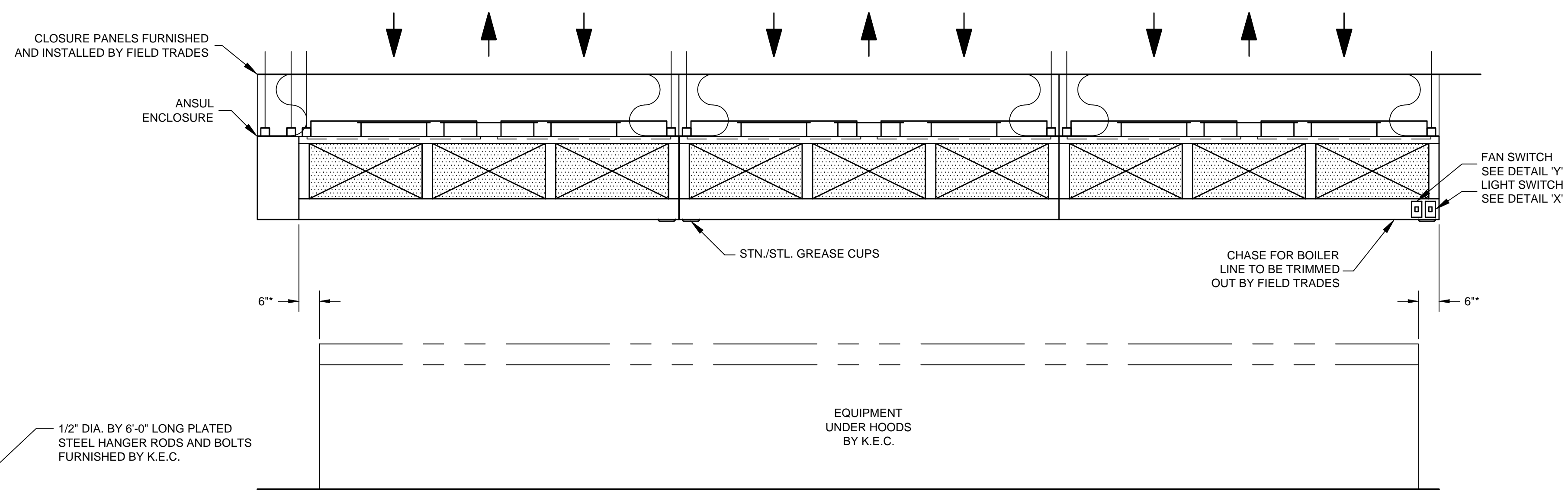
**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

TOTAL EXHAUST : 9,350 C.F.M.  
TOTAL SUPPLY : 7,482 C.F.M.

- 1 10" X 22" EXHAUST DUCT  
2,750 C.F.M. @ 1.30" S.P.
- 2 10" X 26" EXHAUST DUCTS  
3,300 C.F.M. EACH @ 1.30" S.P.
- 3 12" X 19" SUPPLY DUCTS  
1,247 C.F.M. EACH @ 0.20" S.P.

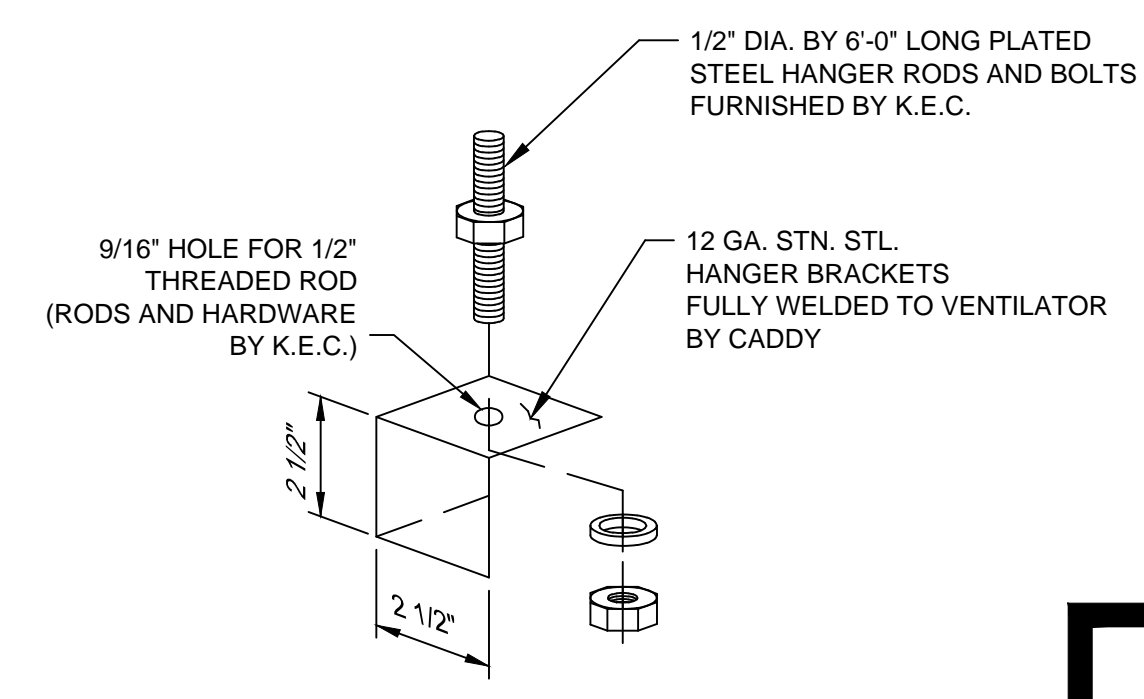
**PLAN**  
SCALE: 1/2"=1'-0"



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

**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 MH8215 and MH12264
- 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)



**HANGER BRACKET DETAIL**  
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"**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS 12'-0" LONG x 5'-0" WIDE x 28 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 2,835 LBS.

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

SYM		QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.48 K.W.	CONNECTED LOAD
E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL	
SYSTEM BY E.C.			

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	12-3-03	SWL	FABRICATED PER APPROVED DRAWING

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

**EQUIPMENT SCHEDULE**

SH-C-PA-I-60

CADDY NO. 06608-27 ITEM NO. 998

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (REST. & BAR)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608**

SHT 32 OF 39

**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.

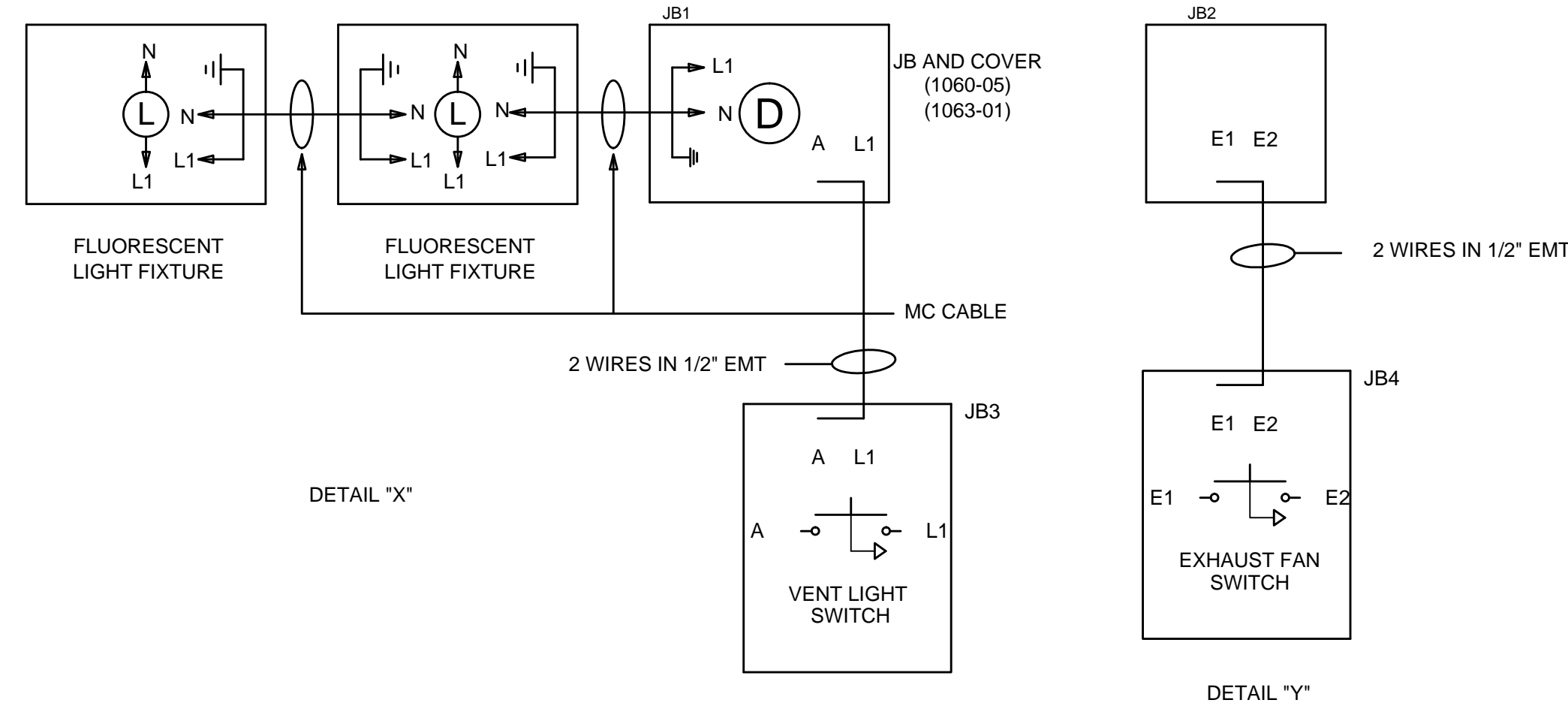


**CONTRACTOR NOTE:**

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

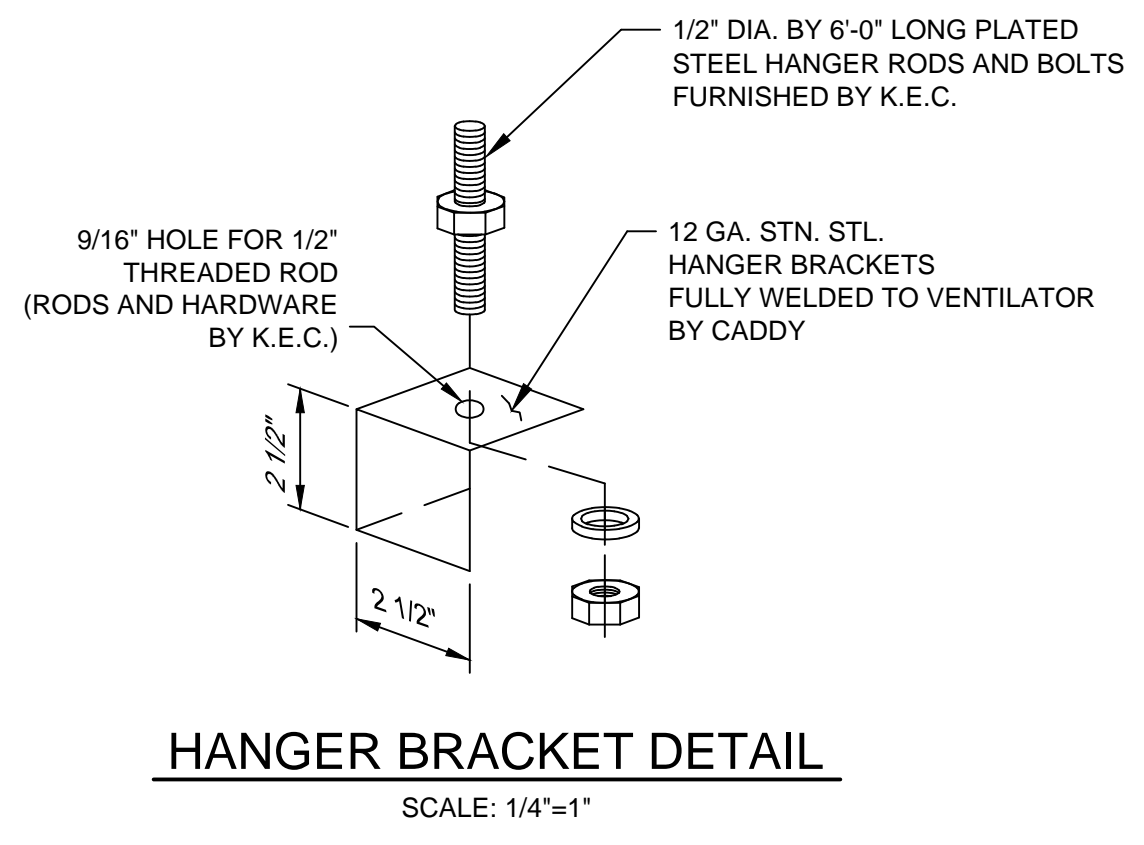
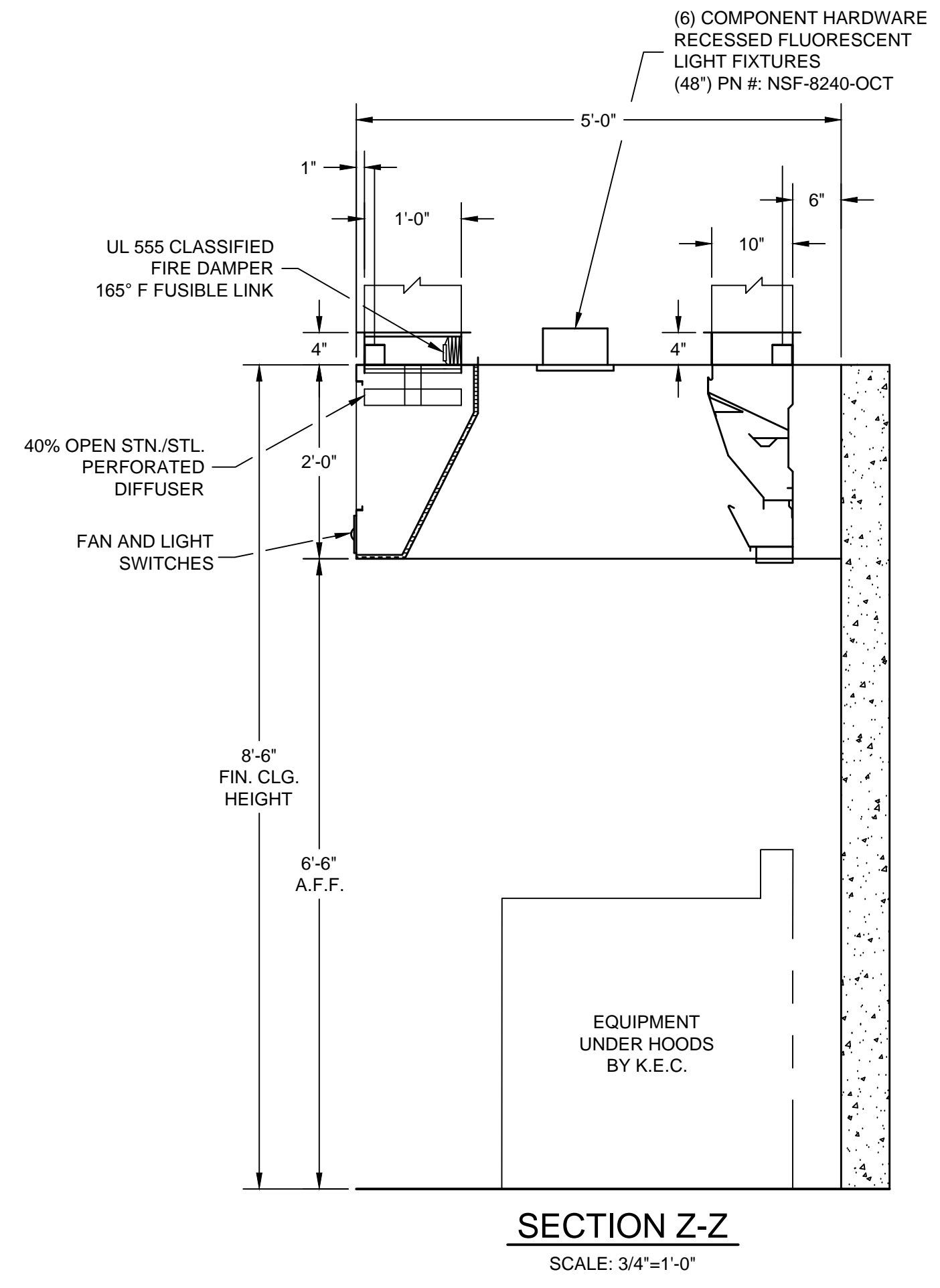


**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
1. EXHAUST C.F.M. BASED ON VARIOUS C.F.M. PER LINEAR FOOT.
  2. EXHAUST STATIC PRESSURE IS 1.30" 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 1800 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.
- MAKE-UP AIR REQUIREMENTS:**
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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.
- INSTALLATION:**
1. 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.).**
1. 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.
  2. 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, TYPE 304 NO. 4 FINISH.
- FIRE PROTECTION:**
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
  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 U.L. 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.



**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.**

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 12'-0" LONG x 5'-0" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 2,835 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		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD
E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO ANSUL
SYSTEM BY E.C.		

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	12-3-03	SWL	FABRICATED PER APPROVED DRAWING

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

**EQUIPMENT SCHEDULE**

SH-C-PA-I-60

CADDY NO. 06608-27 ITEM NO. 998

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (REST. & BAR)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

**DWG# D-1-06608** SHT 33 OF 39

**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.

**CONTRACTOR NOTE:**

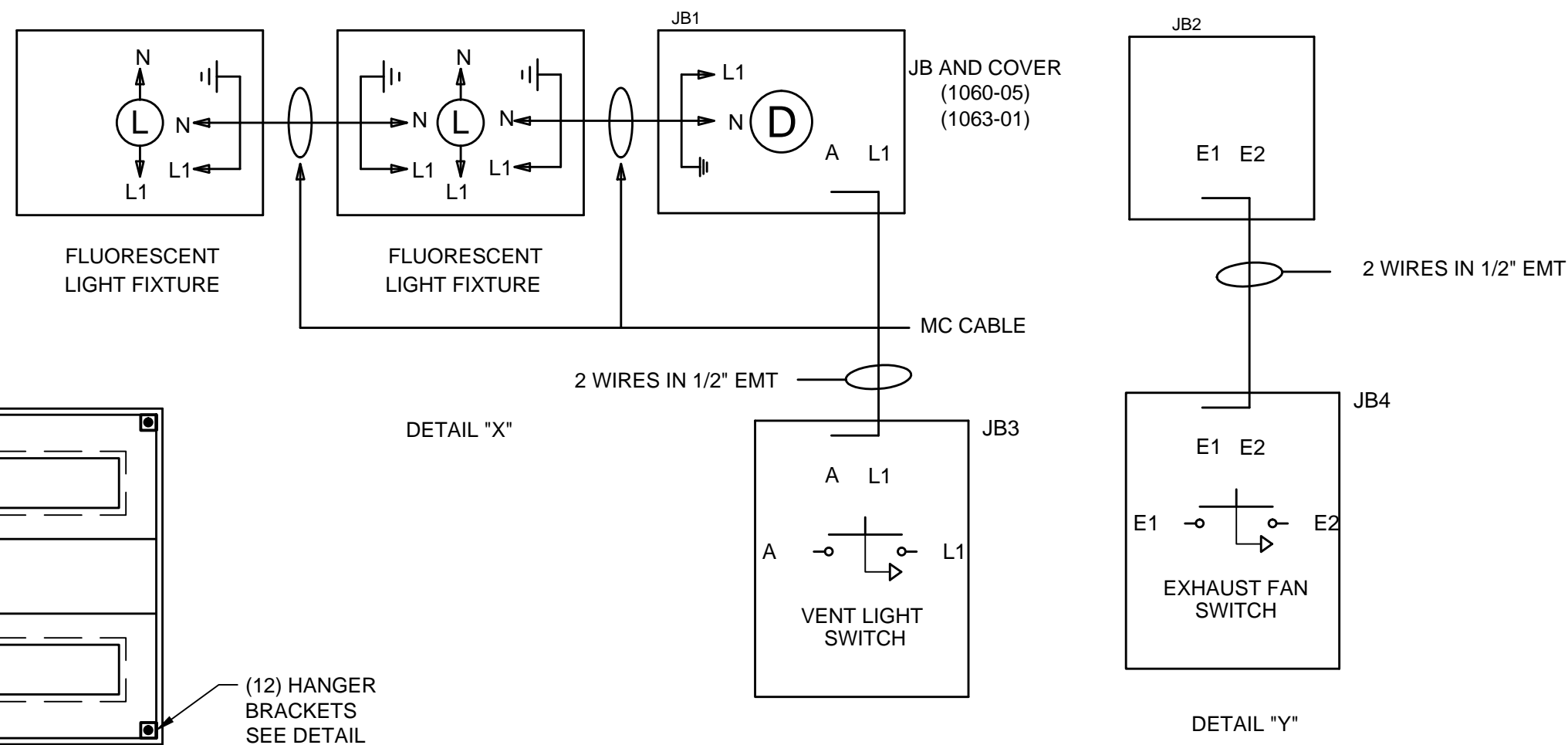
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

**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

**ELECTRICAL NOTES:**

- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/160 15 AMP. SERVICE.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

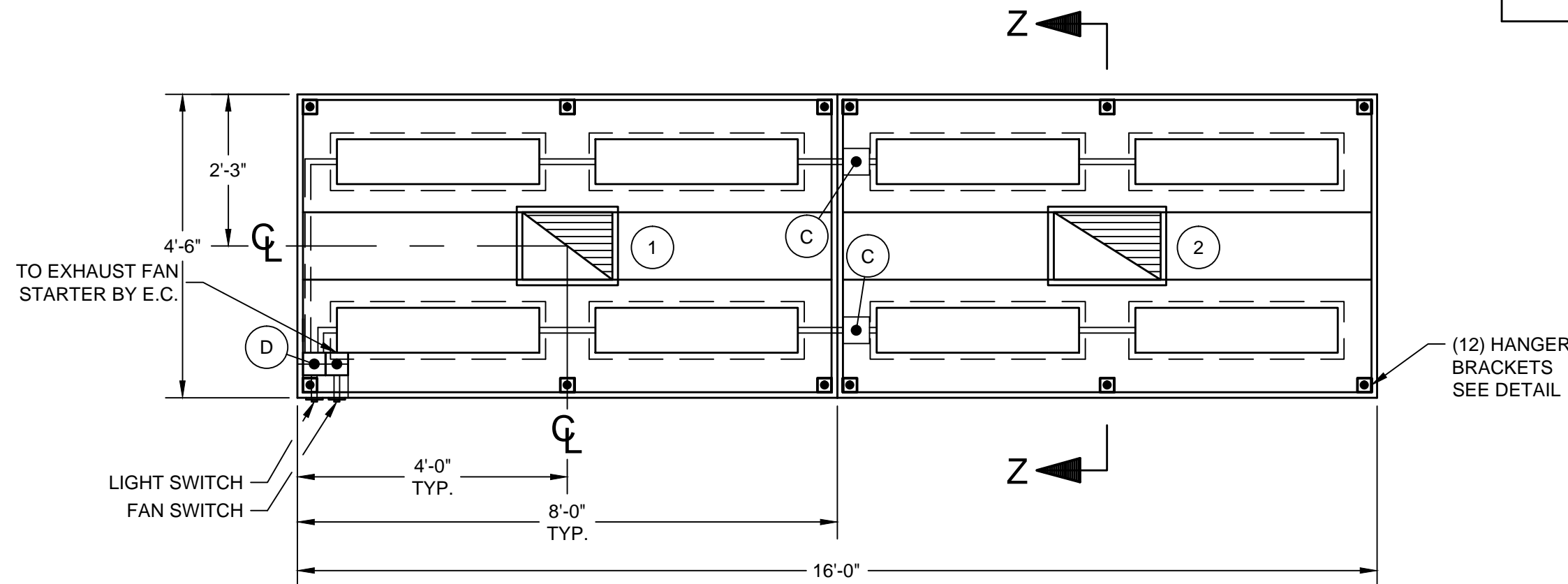


**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
- EXHAUST C.F.M. BASED ON VARIOUS C.F.M. PER LINEAR FOOT.
  - EXHAUST STATIC PRESSURE IS 1.30" 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.

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

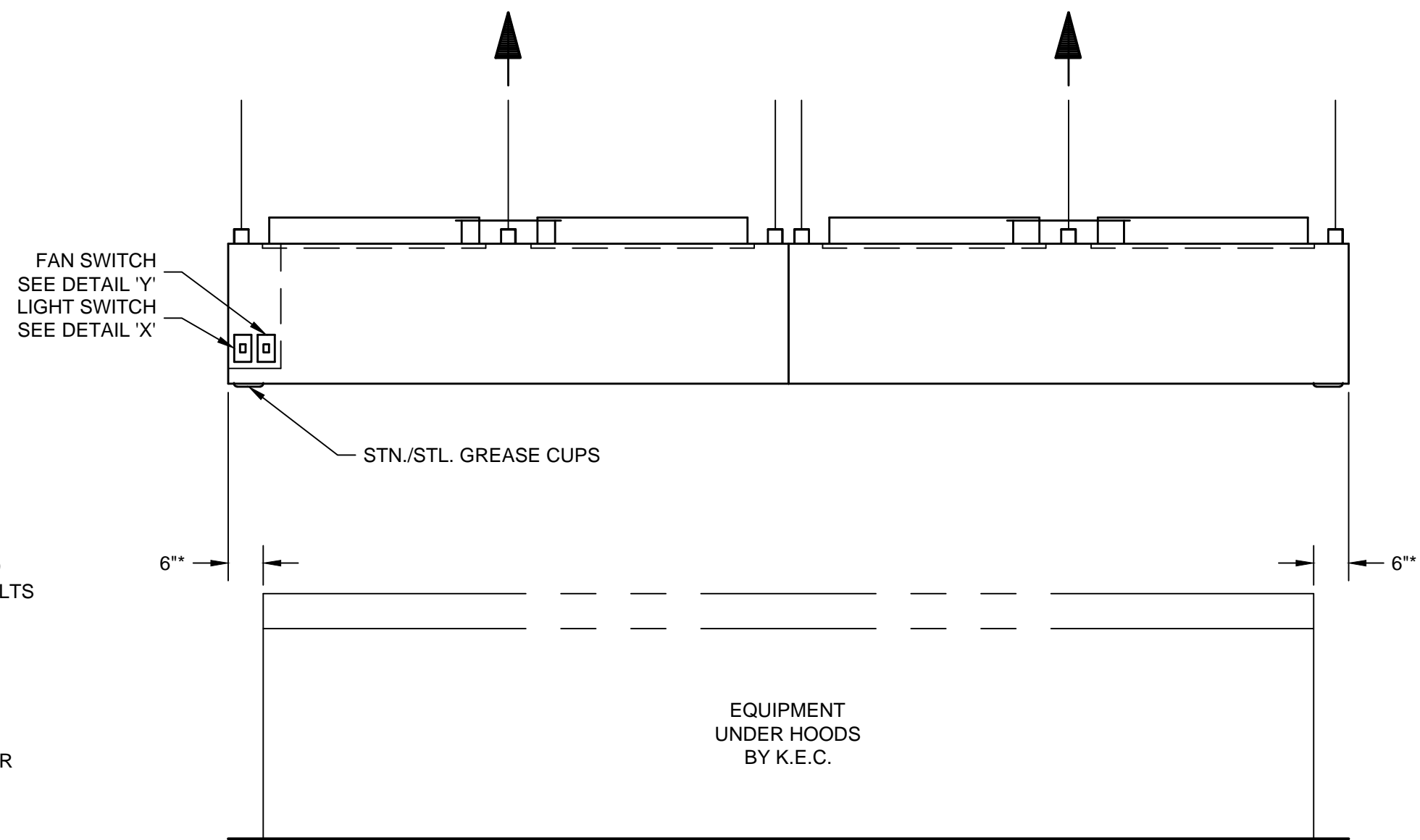
- NATIONAL FIRE PROTECTION ASSOCIATION**  
In accordance with Recommendation of National Fire Protection Association's NFPA No. 96 "Vapor Removal from Cooking Equipment"
- NATIONAL SANITATION FOUNDATION**  
Standard #2 - "Food Service Equipment"
- UNDERWRITERS LABORATORIES, INC**  
Tested under standard U.L. 710 "Exhaust Hoods for Commercial Cooking Equipment". U.L. listed under file number MH8215 and MH12264
- 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)**



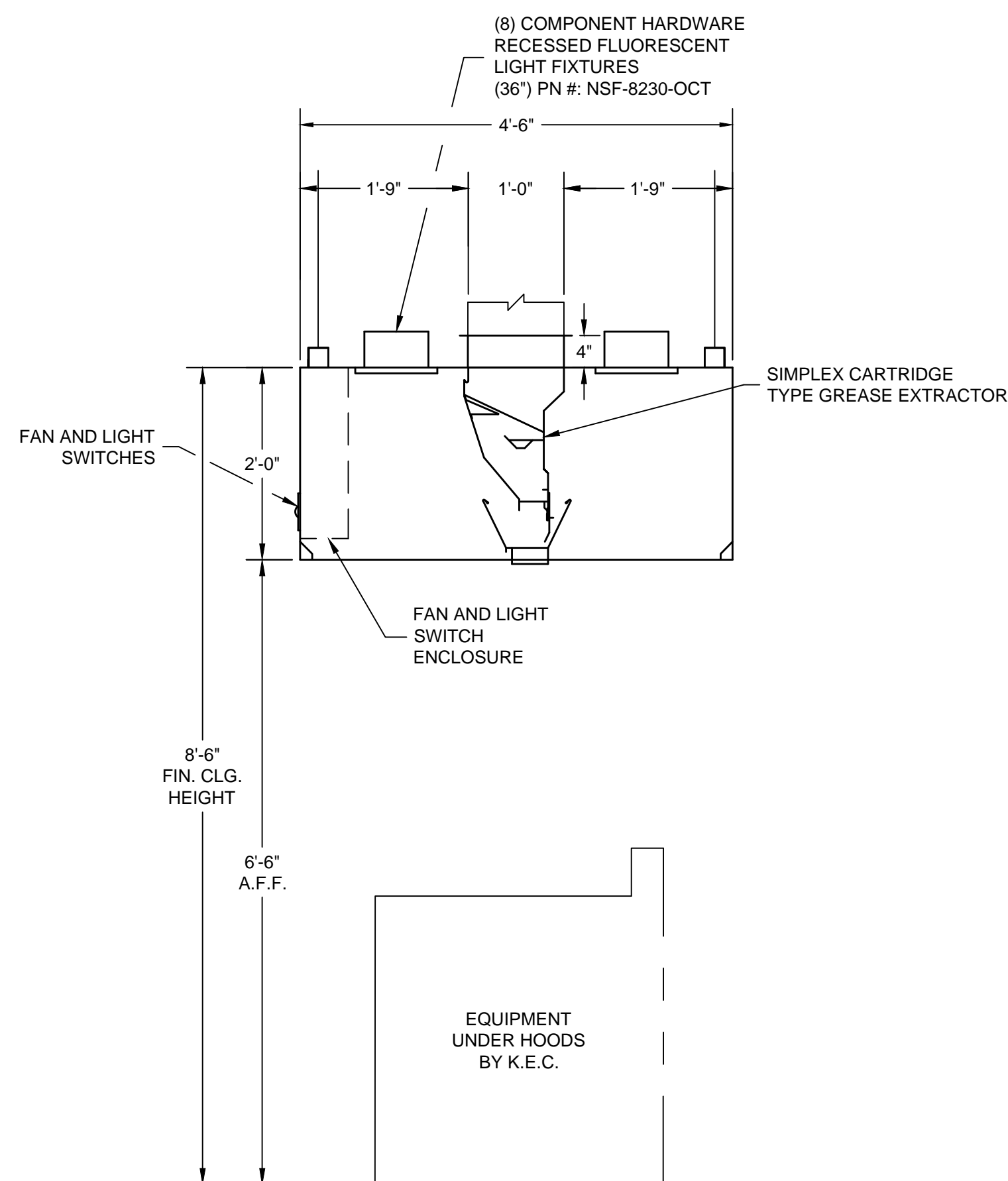
**PLAN**  
SCALE: 1/2"=1'-0"

TOTAL EXHAUST : 5,200 C.F.M.

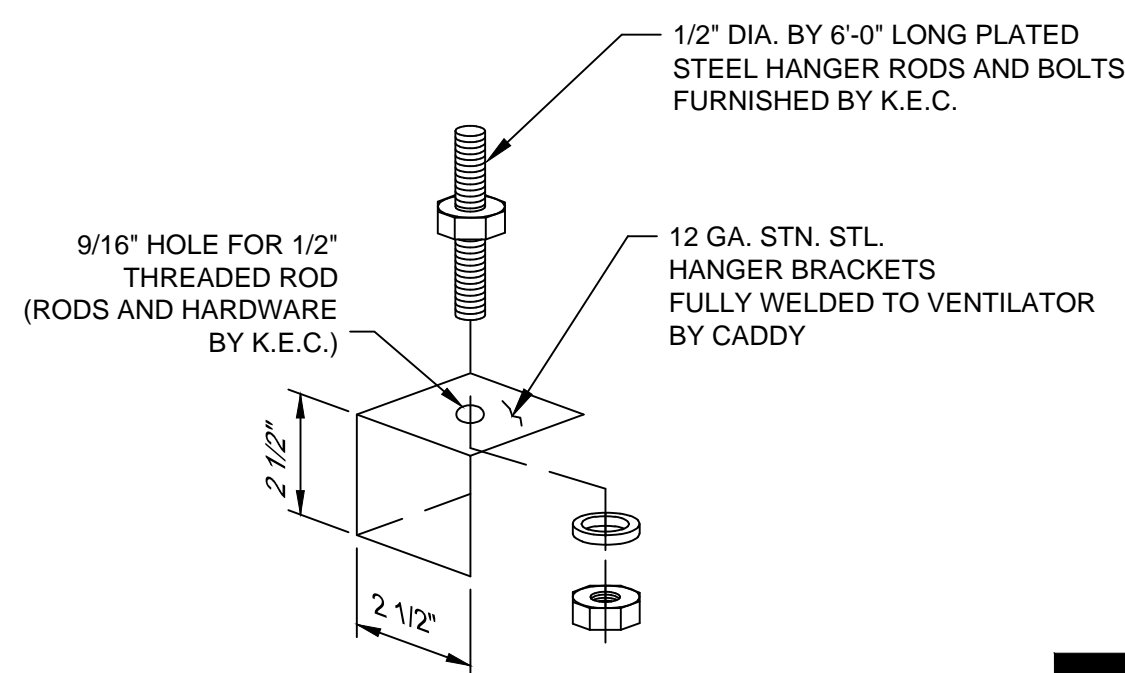
- 1 12" X 16" EXHAUST DUCT  
2400 C.F.M. @ 1.30" S.P.
- 2 12" X 19" EXHAUST DUCT  
2800 C.F.M. @ 1.30" S.P.



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



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



**HANGER BRACKET DETAIL**  
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"

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 8'-0" LONG x 4'-6" WIDE x 28 1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 1360 LBS.

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

ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.64 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	12-12-03	BJW	FABRICATED PER APPROVED DRAWINGS



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

**EQUIPMENT SCHEDULE**

SH-C-II-54

CADDY NO. 06608-26 ITEM NO. D125

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (ROOM 134)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

**DWG# D-1-06608**

SHT 34  
OF 39

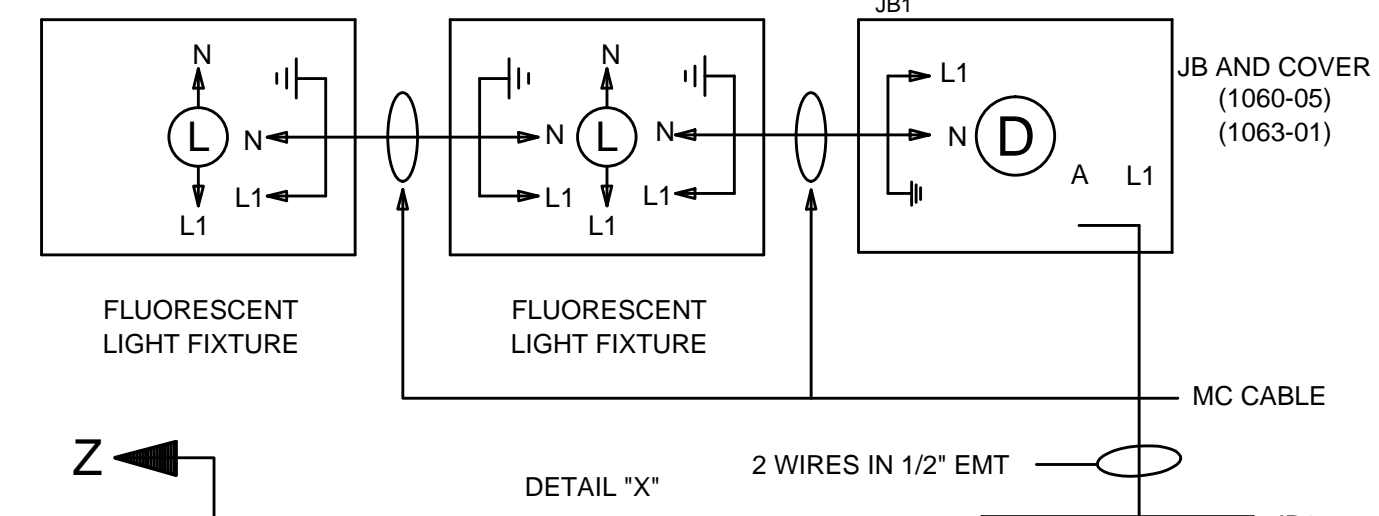
**GENERAL CONTRACT CONDITIONS**  
ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITERS LABORATORIES, INC. INSOFAR AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY 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.

**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

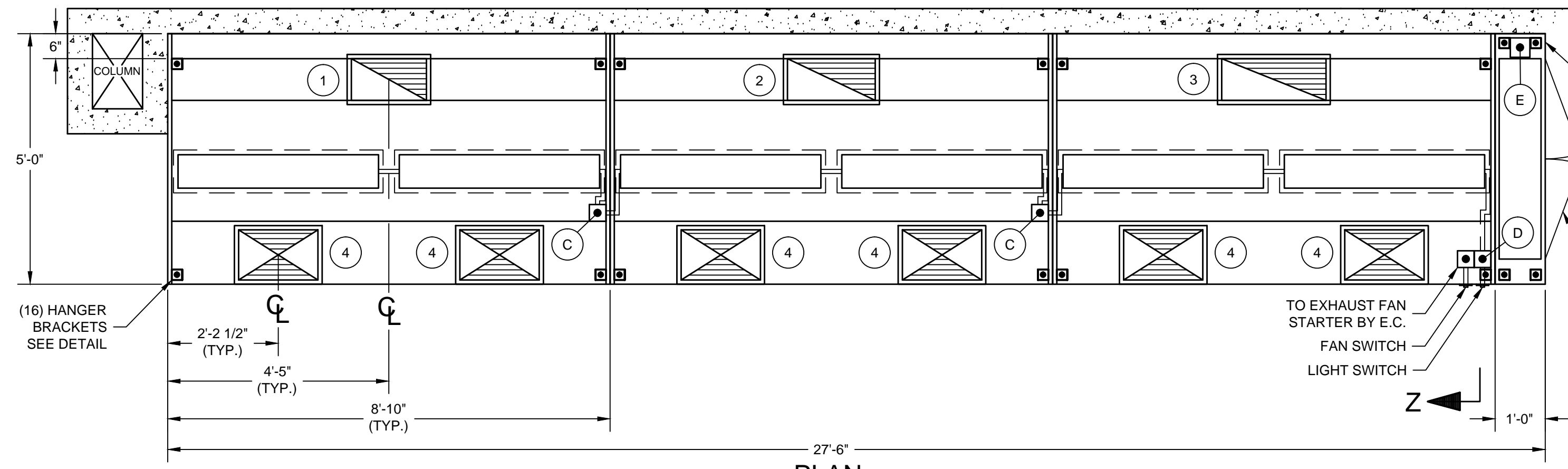
**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

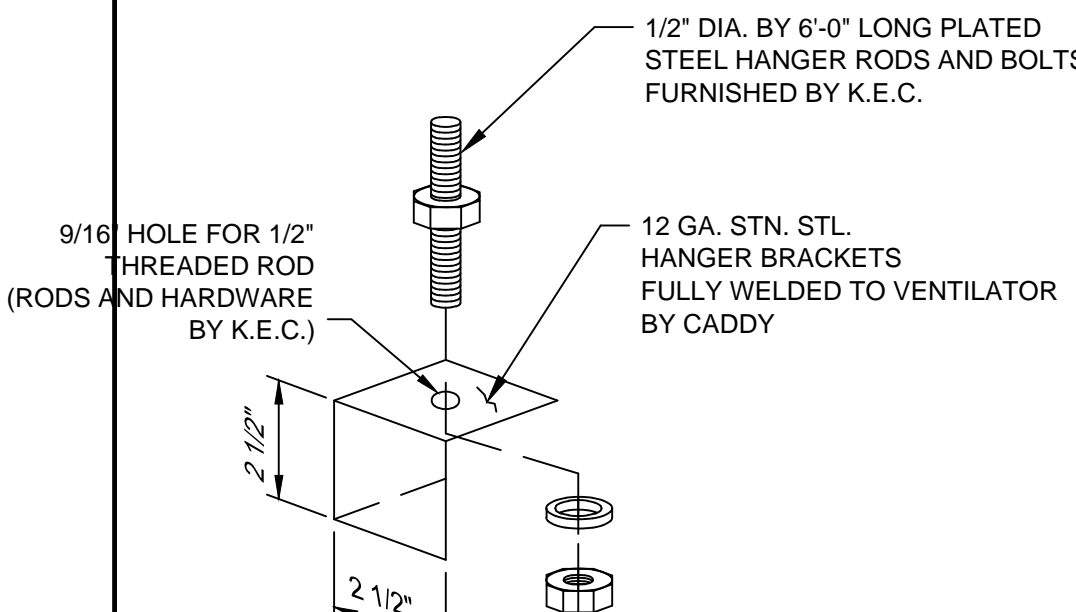
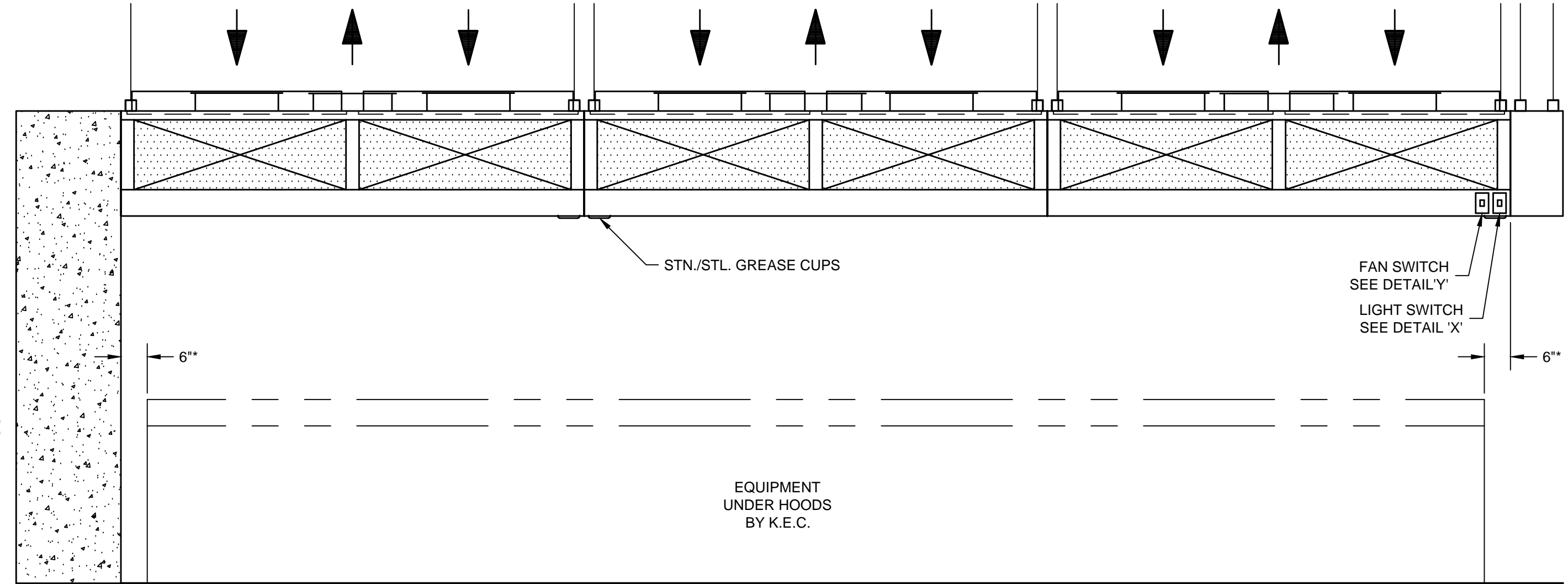
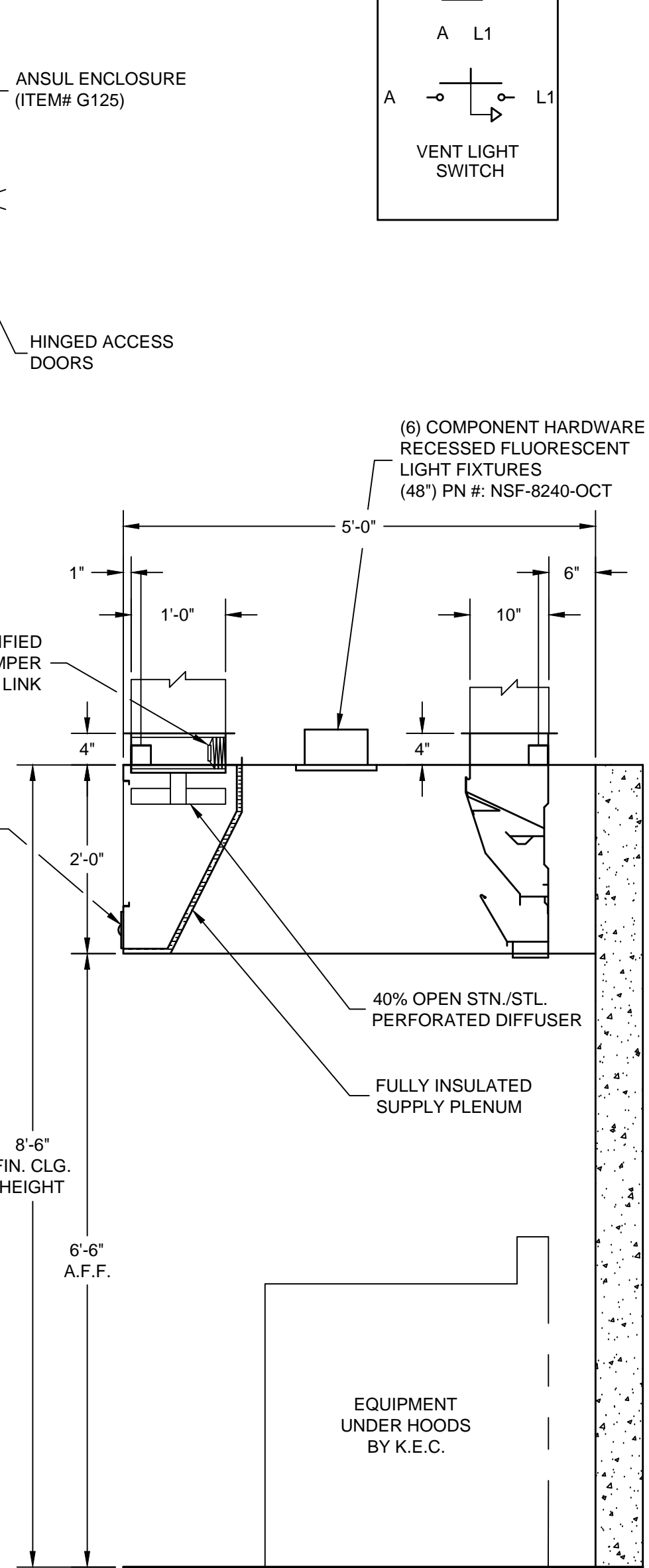


**GENERAL NOTES**

- EXHAUST AIR REQUIREMENTS:**
1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.
- MAKE-UP AIR REQUIREMENTS:**
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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.
- INSTALLATION:**
1. 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.).**
1. 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.
  2. 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, TYPE 304 NO. 4 FINISH.
- FIRE PROTECTION:**
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
  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 U.L. 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.



1	10" X 18" EXHAUST DUCT 2,210 C.F.M. @ 1.60" S.P.	4	12" X 19" SUPPLY DUCTS 1,070 C.F.M. EACH @ 0.20" S.P.	TOTAL EXHAUST : 8,040 C.F.M.
2	10" X 21" EXHAUST DUCT 2,650 C.F.M. @ 1.60" S.P.			TOTAL SUPPLY : 6,420 C.F.M.
3	10" X 25" EXHAUST DUCT 3,180 C.F.M. @ 1.60" S.P.			



**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 MH8215 and MH12264
- 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)

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

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

**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  
9'-10" LONG x 5'-0" WIDE x 28 1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 2,250 LBS.

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

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.

ROUGH-IN SCHEDULE		DATE	BY	REMARKS
SYM	QTY	DESCRIPTION		
D	1	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD		
E	1	120V, 60HZ, 1PH, 15 AMP SERVICE TO		
		ANSUL SYSTEM BY E.C.		

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	12-11-03	BLW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-PA-I-60

CADDY NO. 06608-2 ITEM NO. G123

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (G. MANGER #1)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

DATE: 06/23/30 SCALE: AS NOTED  
DR BY: DRA APP'D BY:

**DWG# D-1-06608** SHT 35 OF 39

**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX BY CADDY. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY ELECTRICAL CONTRACTOR.

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

1. EXHAUST C.F.M. BASED ON 250 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 1800 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.

**MAKE-UP AIR REQUIREMENTS:**

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.
  1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

1. 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.).

1. 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.
2. 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, TYPE 304 NO. 4 FINISH.

**FIRE PROTECTION:**

1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
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 U.L. 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.

**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 MH8215 and MH12264

**UNIFORM MECHANICAL CODE**

Section 507 - Commercial Kitchen Hoods and Kitchen Ventilation Systems

**THE BOCA NATIONAL MECHANICAL CODE**

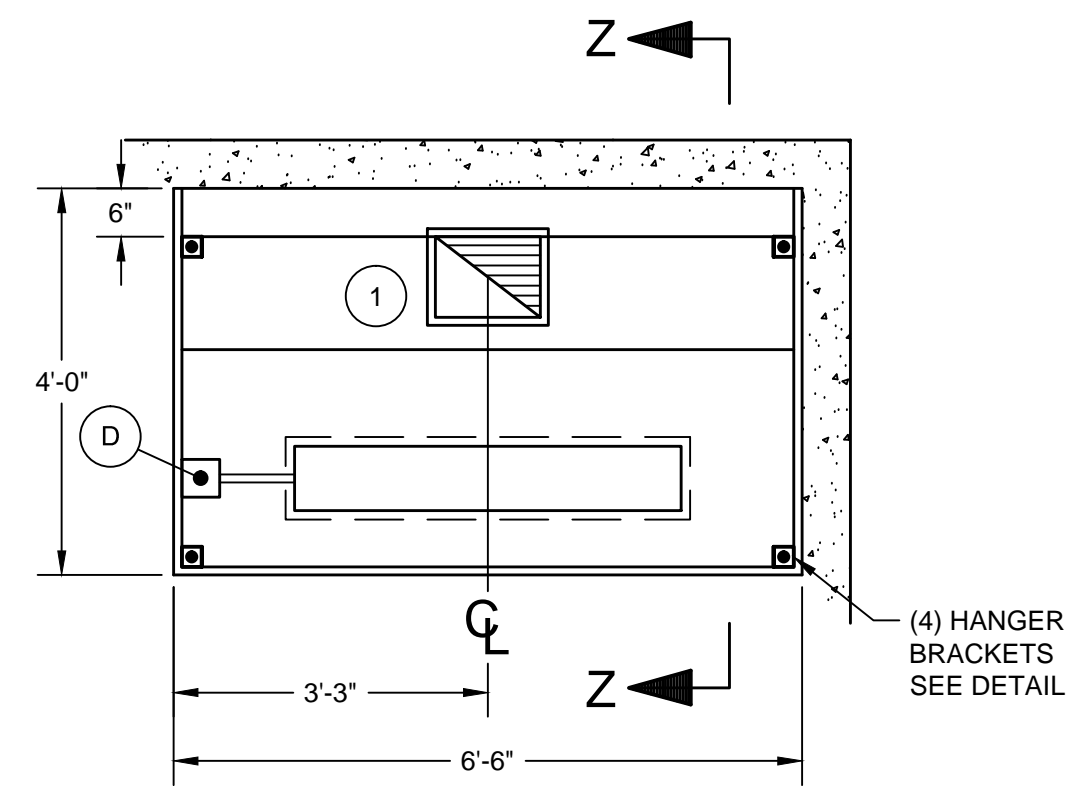
Chapter 5 - Kitchen Exhaust Equipment

**STANDARD MECHANICAL CODE (SBCCI)**

Section 504 - Commercial Hoods

**UNIFORM BUILDING CODE (ICBO)**

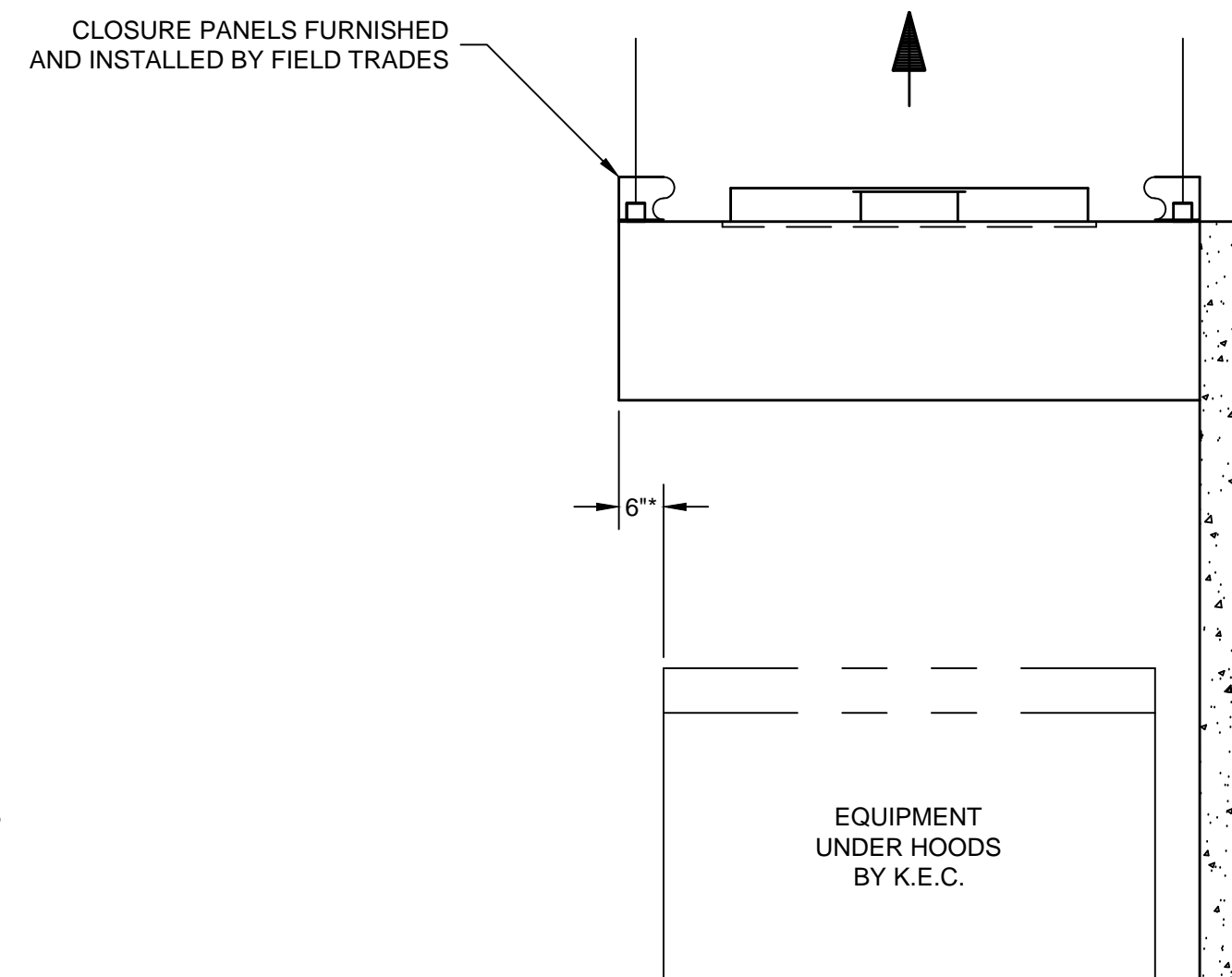
**INTERNATIONAL MECHANICAL CODE (IMC)**



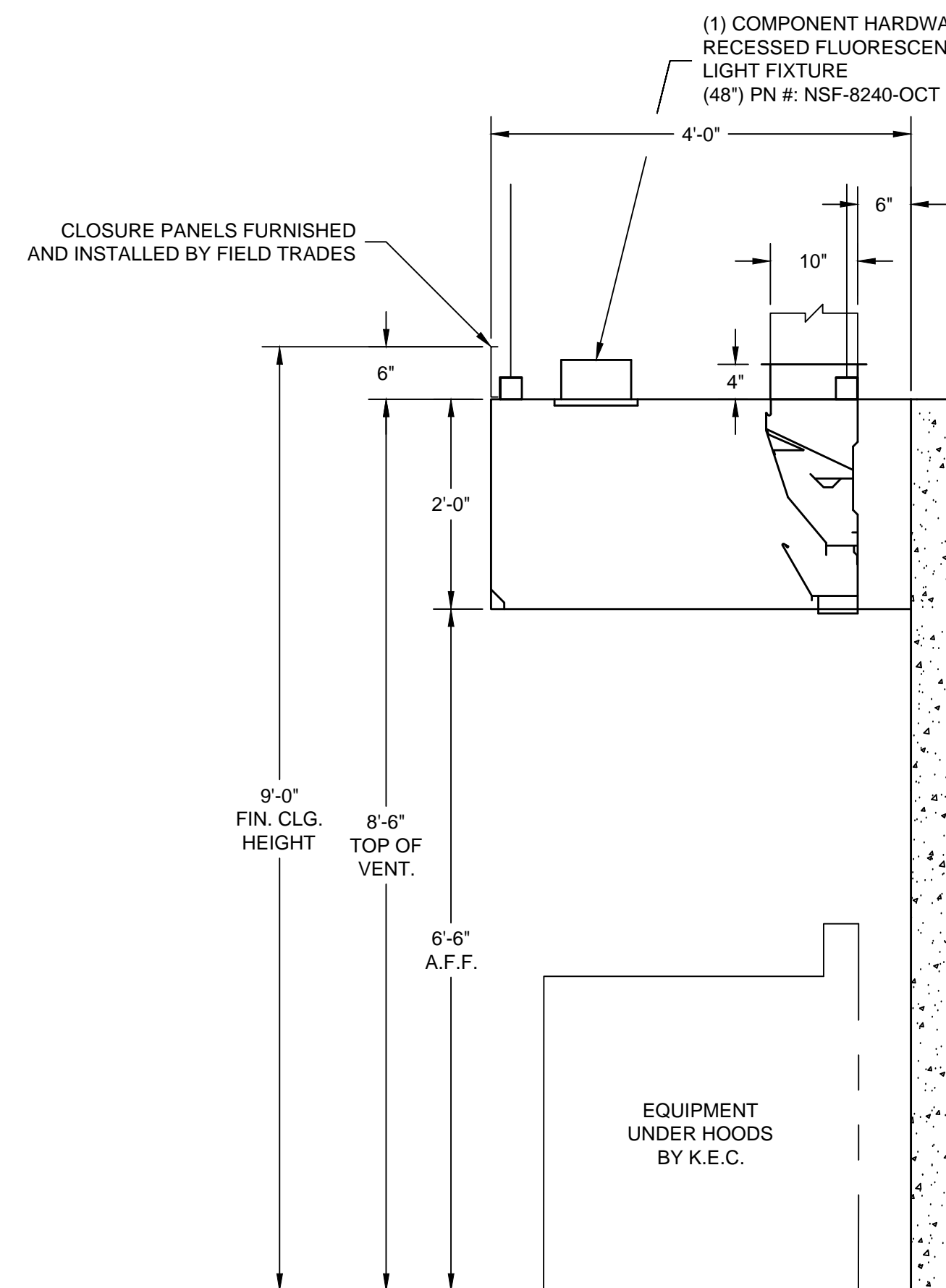
**PLAN**  
SCALE: 1/2"=1'-0"

TOTAL EXHAUST: 1,625 C.F.M.

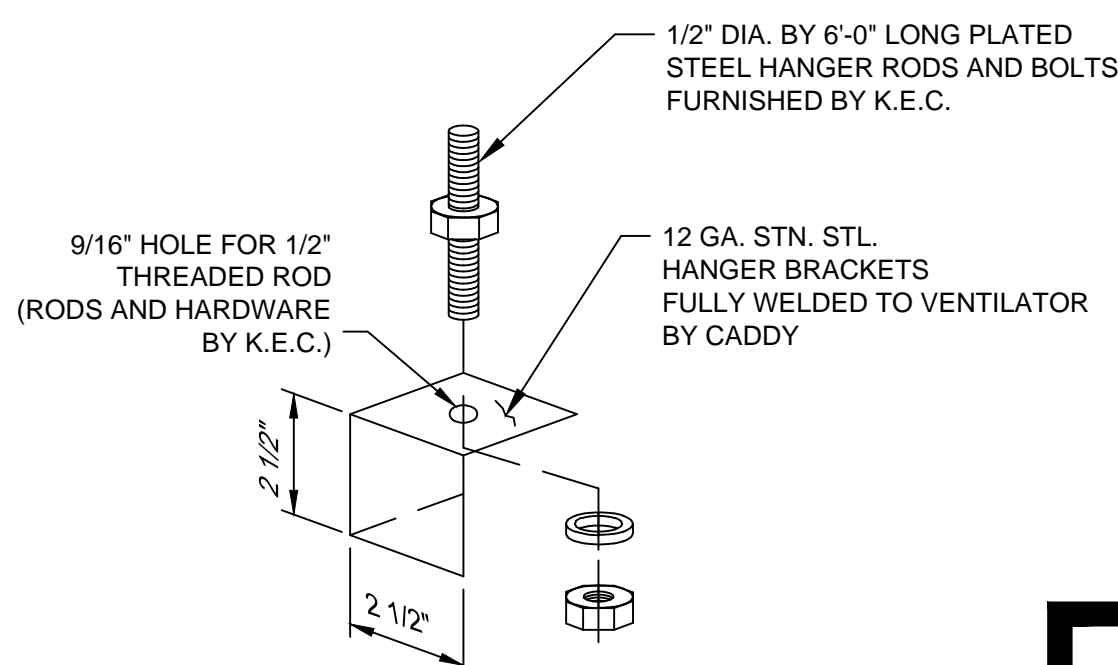
1 10" X 13" EXHAUST DUCT  
1,625 C.F.M. @ 1.60" S.P.



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



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



**HANGER BRACKET DETAIL**  
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"

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA. MAXIMUM VENTILATOR DIMENSIONS 6'-6" LONG x 4'-0" WIDE x 28'-1/2" HIGH. ESTIMATED TOTAL HANGING WEIGHT: 460 LBS.

VENTILATOR TO BE SHIPPED IN (1) UNIT. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

ROUGH-IN SCHEDULE		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.08 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	7-29-03	DRA	NO CHANGES TO THIS SHEET
B	1-15-04	BJW	FABRICATED PER APPROVED DRAWINGS

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

**EQUIPMENT SCHEDULE**

SH-C-48

CADDY NO. 06608-4 ITEM NO. G234B

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (G. MANAGER #2)  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

DATE: 06/23/03 SCALE: AS NOTED  
DR BY: DRA APP'D BY:

**DWG# D-1-06608** SHT 36 OF 39

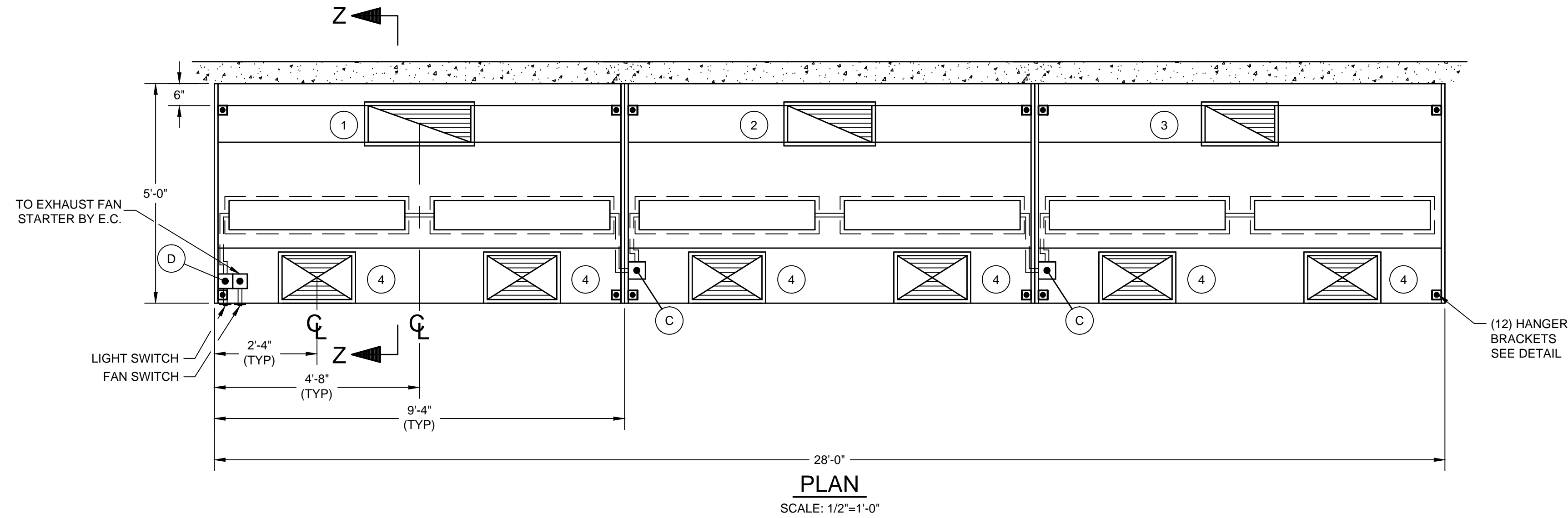
**GENERAL CONTRACT CONDITIONS**  
ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITERS LABORATORIES, INC. INSOFAR AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY 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.

**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

**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

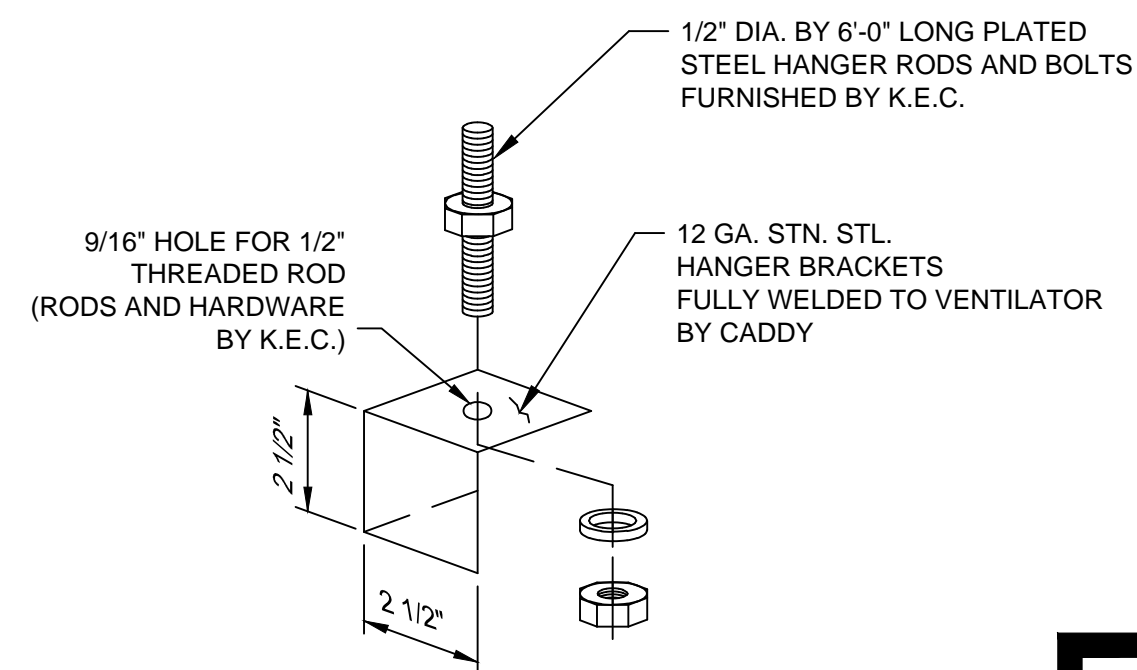
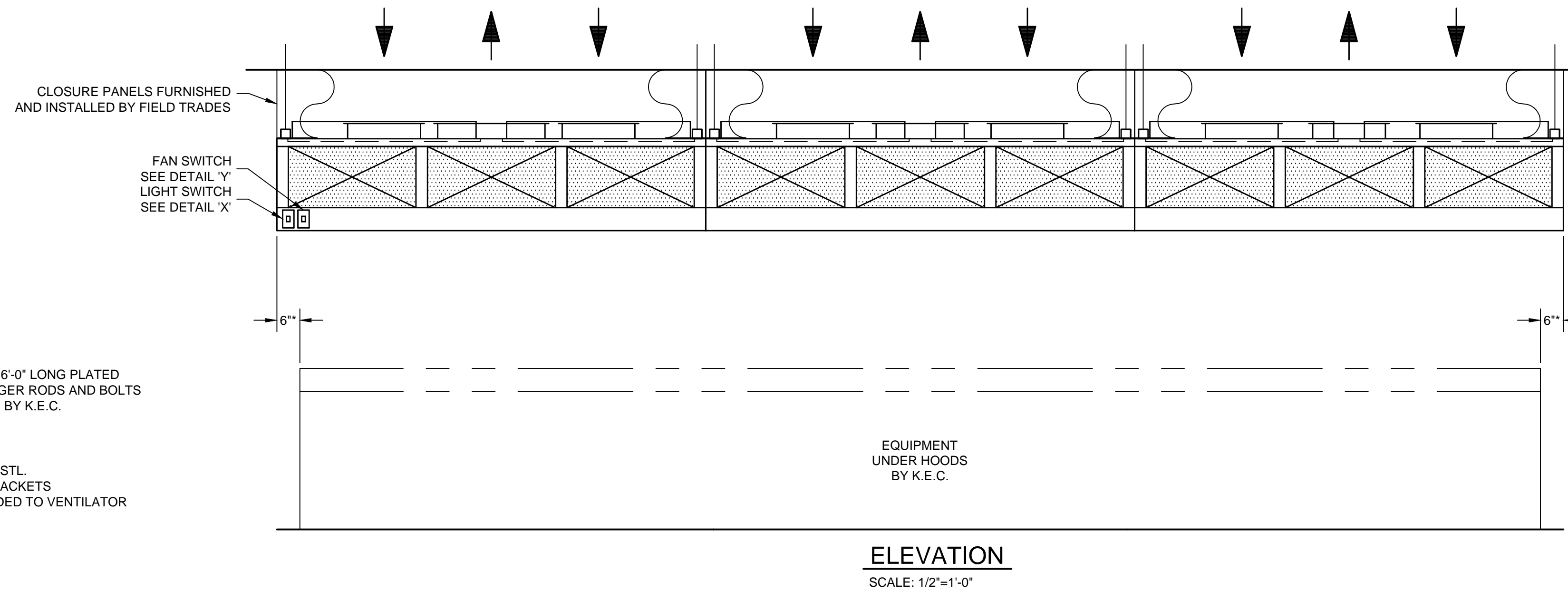


TOTAL EXHAUST : 8,795 C.F.M.  
TOTAL SUPPLY : 7,020 C.F.M.

- |   |                                                          |   |                                                          |
|---|----------------------------------------------------------|---|----------------------------------------------------------|
| 1 | 10" X 28" EXHAUST DUCT<br>3,480 C.F.M. EACH @ 1.60" S.P. | 4 | 12" X 19" SUPPLY DUCTS<br>1,170 C.F.M. EACH @ 0.20" S.P. |
| 2 | 10" X 23" EXHAUST DUCT<br>2,900 C.F.M. EACH @ 1.60" S.P. |   |                                                          |
| 3 | 10" X 19" EXHAUST DUCT<br>2,415 C.F.M. EACH @ 1.60" S.P. |   |                                                          |

**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 MH8215 and MH12264
- 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)



**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**

**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.

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
9'-4" LONG x 5'-0" WIDE x 28-1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 2,460 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		DESCRIPTION
SYM	QTY	
D	1	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	08-14-03	DRA	ADDED CLOSURE PANELS
B	10-24-03	AGR	CHANGED ITEM NUMBER
C	1-14-04	B.W.	REVISED VENTILATOR LENGTH TO 9'-4"

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

**EQUIPMENT SCHEDULE**

SH-C-PA-I-60

CADDY NO. 06608-3 ITEM NO. G234

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (G. MANGER #2)  
LOC: CINCINNATI, OHIO  
CUST:  
CUST#:

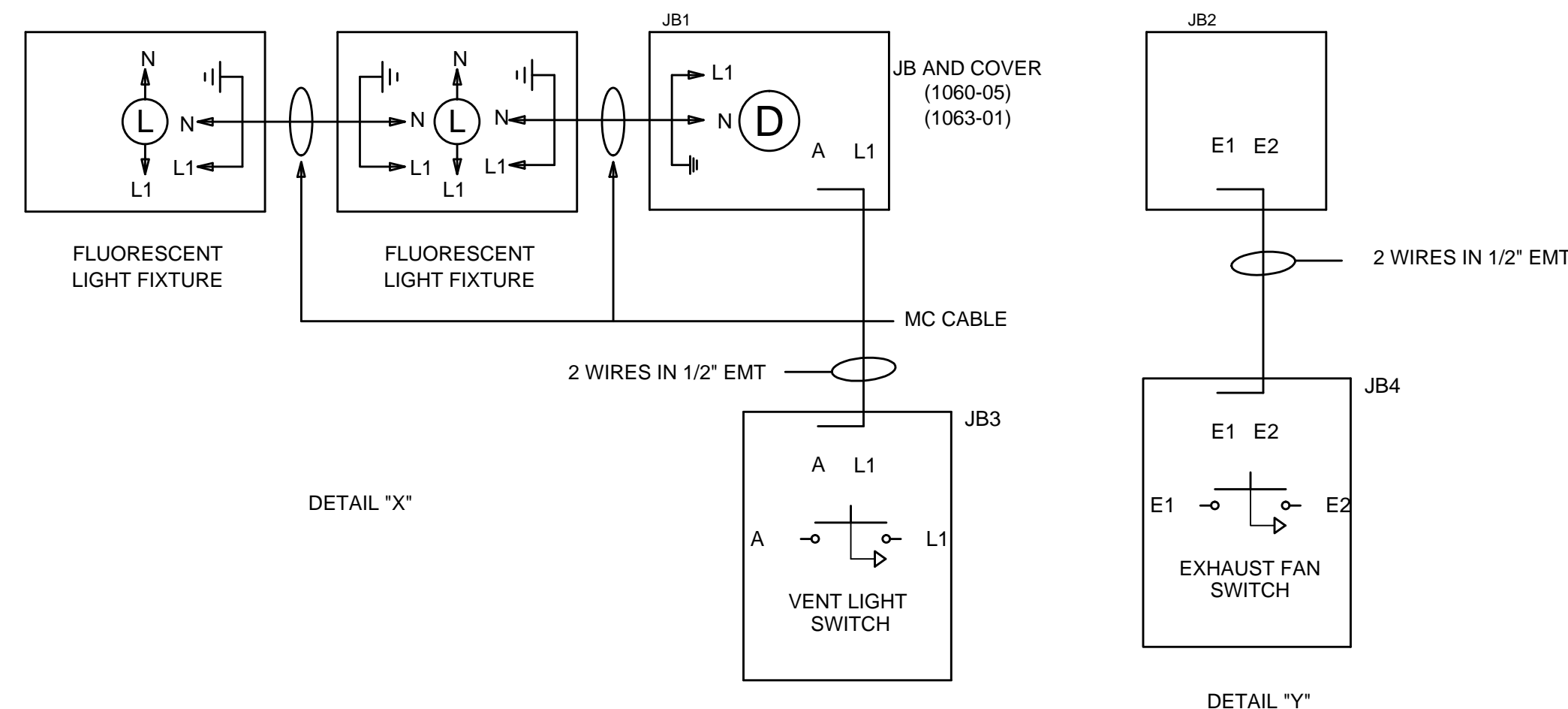
**DWG# D-1-06608** SHT 37 OF 39

**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



**ELECTRICAL NOTES:**

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP. SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY.

**GENERAL NOTES**

**EXHAUST AIR REQUIREMENTS:**

1. EXHAUST C.F.M. BASED ON VARIOUS 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 1800 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.

**MAKE-UP AIR REQUIREMENTS:**

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.
1. MAKE-UP AIR MUST BE TEMPERED - HEATED OR COOLED - CONSISTENT WITH THE STYLE OF HOOD, HEAT LOAD, CLIMATIC CONDITIONS AND APPLICABLE CODES.

**INSTALLATION:**

1. 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.).

1. 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.
2. MOUNTING RODS FURNISHED AND INSTALLED BY K.E.C.

**CONSTRUCTION:**

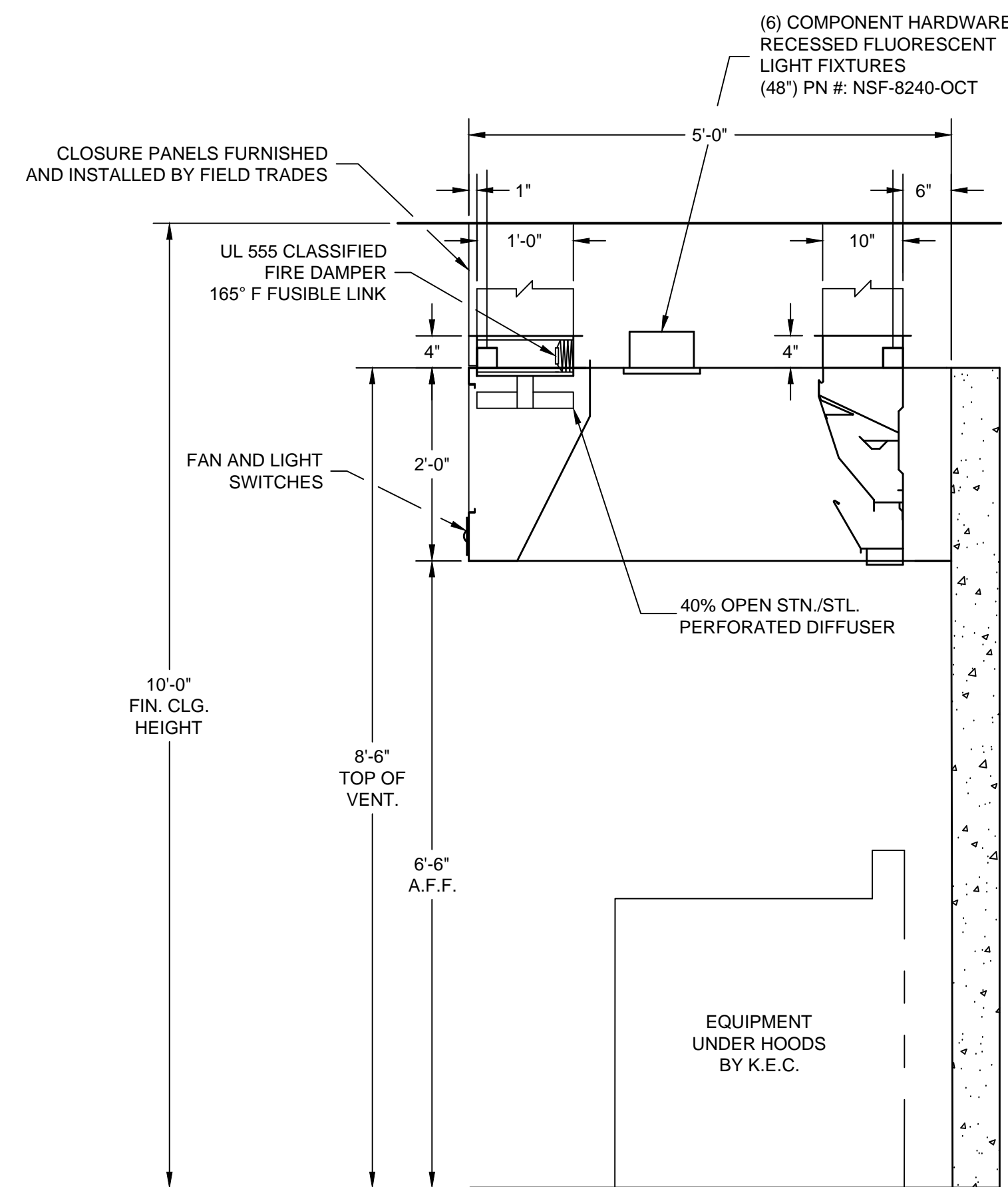
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL, TYPE 304 NO. 4 FINISH.

**FIRE PROTECTION:**

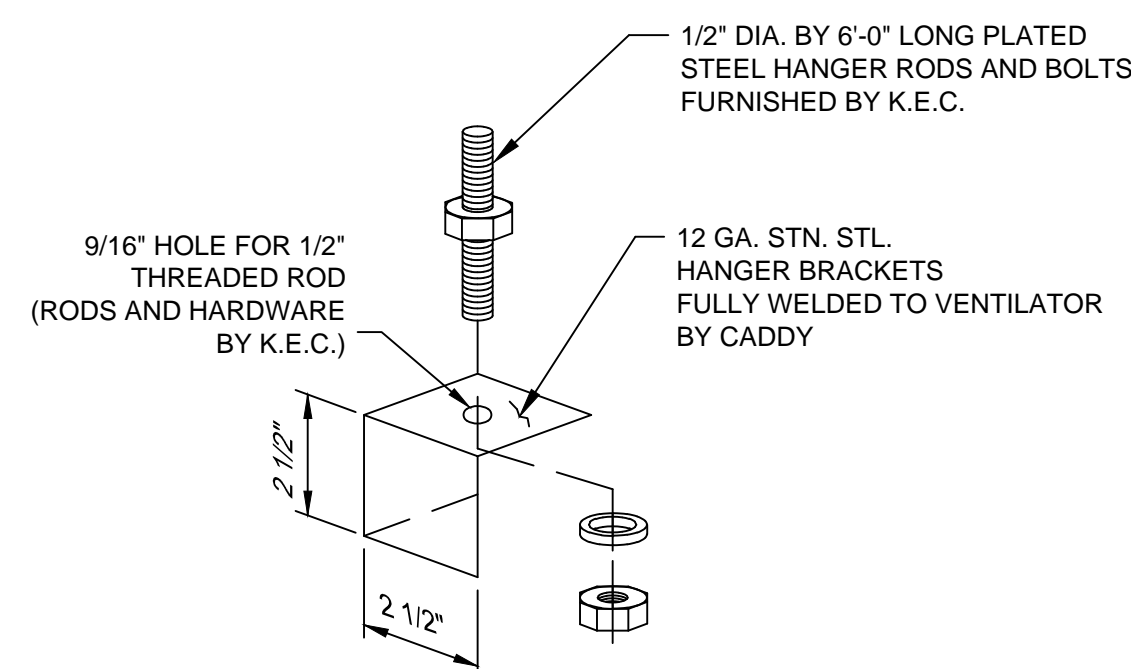
1. SURFACE FIRE PROTECTION PROVIDED AND INSTALLED BY K.E.C.
2. CAUTION: SURFACE FIRE PROTECTION SYSTEM INSTALLATION MUST BE COORDINATED WITH CADDY TO PREVENT SYSTEMS INTERFERENCE WITH VENTILATOR'S OPERATION/PERFORMANCE. IMPROPER INSTALLATION MAY VOID U.L. LISTINGS OF THE EQUIPMENT.
3. IMPORTANT NOTE: 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 K.E.C.



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



**HANGER BRACKET DETAIL**  
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.

**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS 9'-4" LONG x 5'-0" WIDE x 28'-1/2" HIGH  
ESTIMATED TOTAL HANGING WEIGHT: 2,460 LBS.

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

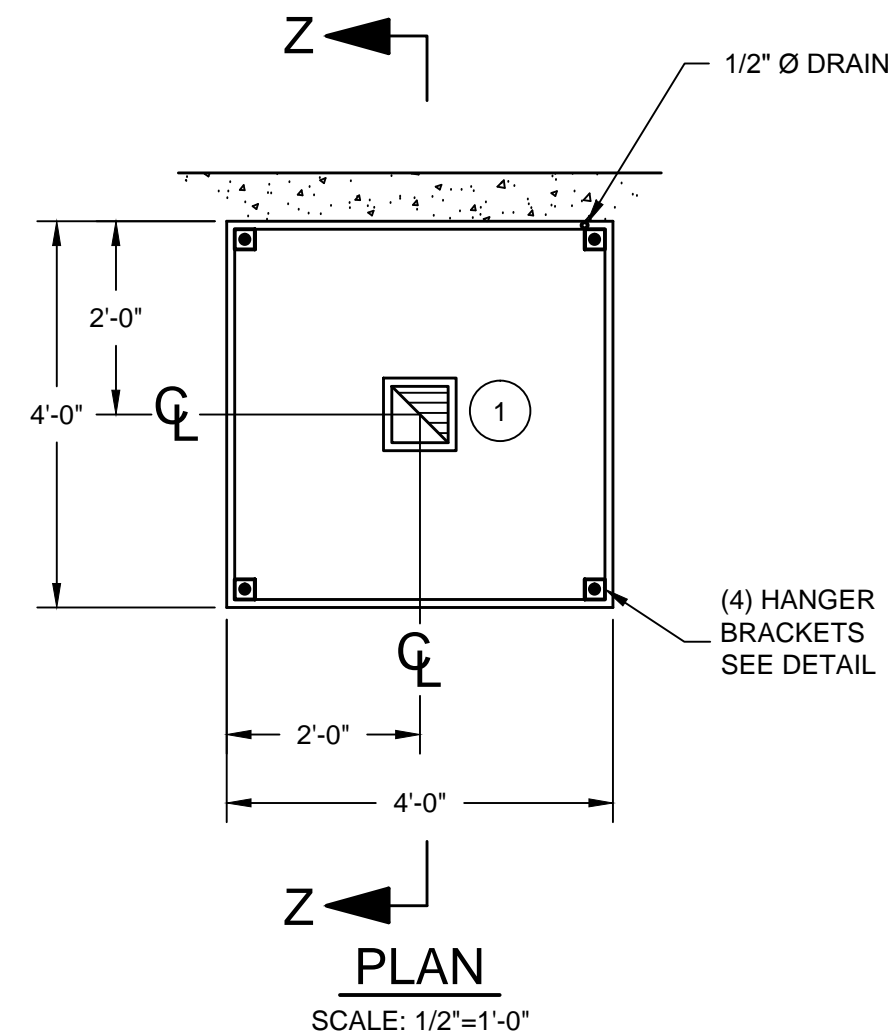
**ROUGH-IN SCHEDULE**

SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.48 K.W. CONNECTED LOAD

REVISIONS			
REV	DATE	BY	REMARKS
A	08-19-03	DRA	ADDED CLOSURE PANELS
B	10-24-03	AGR	CHANGED ITEM NUMBERS
C	1-14-04	BJW	REVISED VENTILATOR LENGTH TO 9'-4"

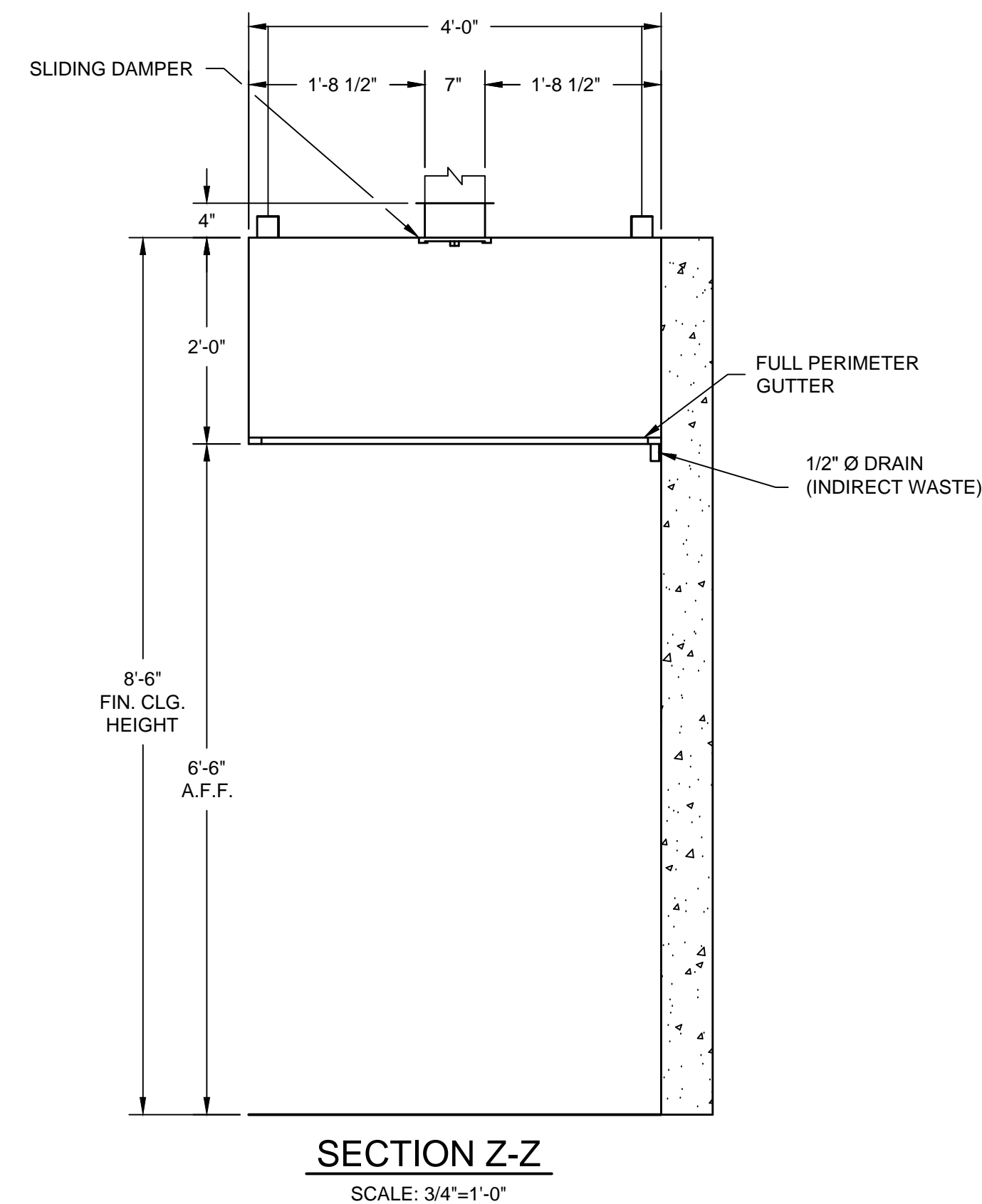
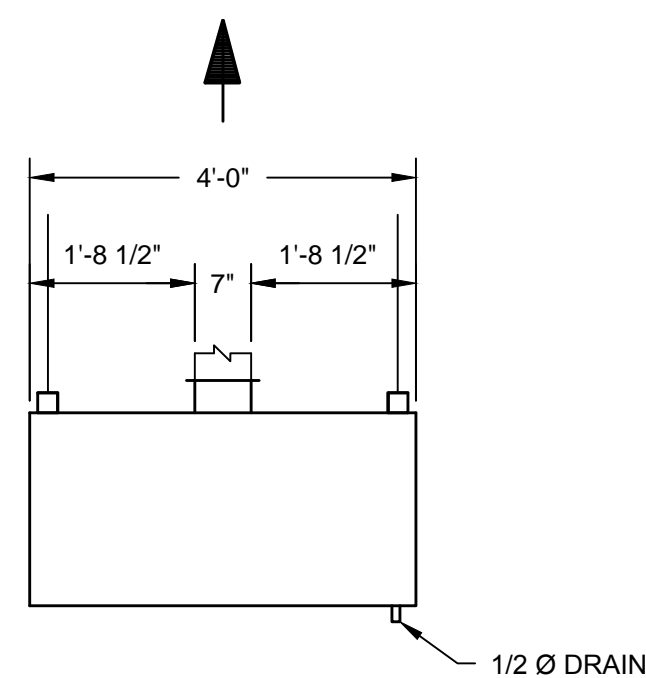
<b>CADDY AirSystems</b> 509 SHARPTOWN ROAD P.O. BOX 345 BRIDGEPORT NJ 08014 Tel:(856) 467-4222 Fax:(856) 467-5511	
<b>EQUIPMENT SCHEDULE</b>  SH-C-PA-I-60	
CADDY NO. 06608-3 ITEM NO. G234	
JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE (G. MANGER #2) LOC: CINCINNATI, OHIO CUST: CUST#:	
DATE: 06/23/03 DR BY: DRA	SCALE: AS NOTED APP'D BY:
<b>DWG# D-1-06608</b>	
SHT 38 OF 39	

**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.



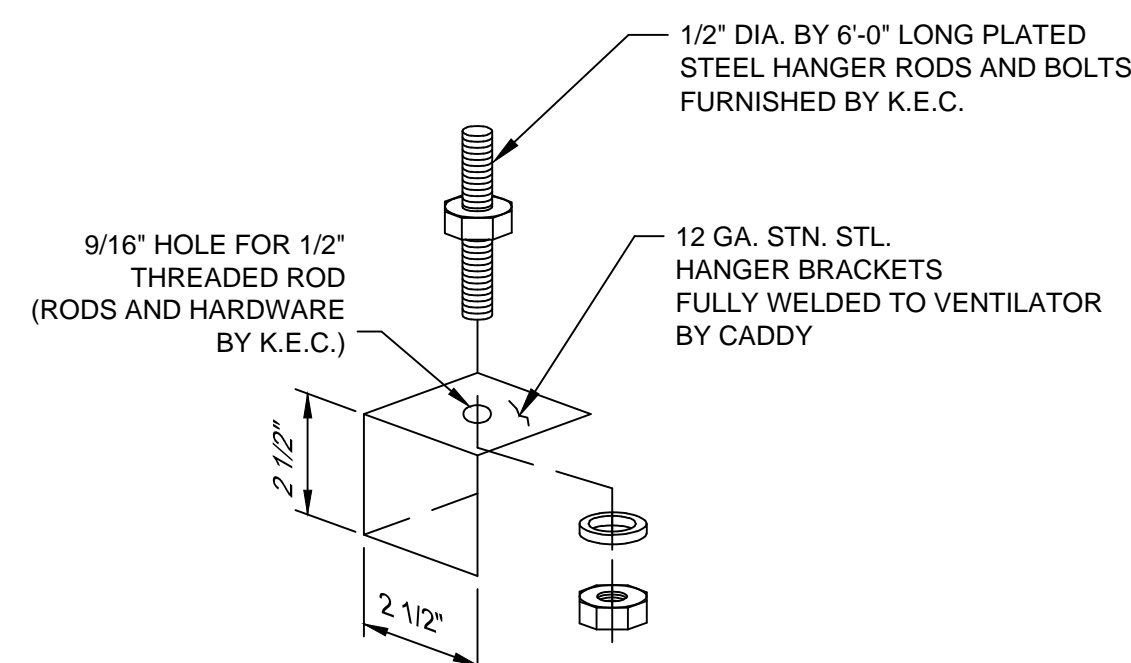
TOTAL EXHAUST : 600 C.F.M.

1 7" X 7" EXHAUST DUCT  
600 C.F.M. @ 0.25" S.P.



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

NATIONAL SANITATION FOUNDATION  
Standard #2 - "Food Service Equipment"



**INSTALLATION INFORMATION**

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA  
MAXIMUM VENTILATOR DIMENSIONS  
4'-0" LONG x 4'-0" WIDE x 28" HIGH  
ESTIMATED HANGING WEIGHT: 200 LBS.

VENTILATOR TO BE SHIPPED IN (1) UNIT.  
ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

**NOTES**

- AIR SYSTEMS SHALL NOT BE LIABLE FOR IMPROPER FUNCTION DUE TO CHANGE IN STATIC PRESSURE OR AIR VOLUMES SPECIFIED.
- ALL DIMENSIONS TO BE VERIFIED IN FIELD BY OTHERS BEFORE VENTILATORS ARE RELEASED FOR MANUFACTURE.
- INDICATE ALL BEAMS, COLUMNS, ETC. WHICH MAY CONFLICT WITH VENTILATOR OR EXHAUST OUTLET COLLAR(S) (INDICATE SIZE, LOCATION, AND HEIGHT ABOVE FINISHED FLOOR.)
- INSTALLING CONTRACTOR SHALL CHECK ALL BUILDING ACCESS, ENTRANCE AND FIELD CONDITIONS TO ENSURE SUFFICIENT CLEARANCE TO ALLOW VENTILATOR SECTION(S) (SIZE(S) AS DIMENSIONED ON THIS DRAWING) TO BE BROUGHT INTO BUILDING AND INSTALLED ACCORDING TO AIR SYSTEMS RECOMMENDATIONS.
- ALL EXHAUST DUCT COLLARS ARE INSIDE DIMENSIONS. CONNECTION DUCTWORK SHALL SLEEVE INTO VENTILATOR OUTLET(S).
- ALL DUCTWORK BEYOND THE VENTILATOR OR EXHAUST DUCT COLLAR(S) TO BE PROVIDED AND INSTALLED BY OTHERS IN ACCORDANCE WITH JURISDICTIONAL CODES, AND MUST BE MECHANICALLY STRONG, AND GREASE AND WATER TIGHT.
- VENTILATOR(S) SHALL BE N.S.F. APPROVED AND SHALL BEAR N.S.F. LABELS VISIBLY AFFIXED TO EXTERIOR.

**REVISIONS**

REV	DATE	BY	REMARKS
A	7-29-03	DRA	ADDED CONDENSATE HOOD ITEM # D104
B	12-15-03	RLH	FABRICATED PER APPROVED DRAWING

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

**EQUIPMENT SCHEDULE**

CH-W-48

CADDY NO. 06608-25 ITEM NO. D104

JOB: CINCINNATI STATE TECHNICAL AND COMMUNITY COLLEGE  
LOC: CINCINNATI, OH  
CUST:  
CUST#:

DATE	06/23/03	SCALE	AS NOTED
DR BY	DRA	APP'D BY	

**DWG# D-1-06608**

SHT 39  
OF 39

GENERAL CONTRACT CONDITIONS:  
ELECTRICAL WORK DONE BY CADDY CORPORATION OF AMERICA 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 OF AMERICA 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 CHARGE TO CADDY CORPORATION OF AMERICA. UNLESS THESE CONDITIONS WERE PREVIOUSLY BROUGHT TO OUR ATTENTION AND ARE EXPRESSLY INCLUDED IN OUR WRITTEN QUOTATION.  
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