

THE CADDY VENTILATOR TESTING,
LISTING AND APPROVAL REFERENCES:

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

NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"

ETL, INTERTEK

TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR
COMMERCIAL COOKING EQUIPMENT". ETL LISTED UNDER
CONTROL # 3177269

UNIFORM MECHANICAL CODE

SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN
VENTILATION SYSTEMS

THE BOCA NATIONAL MECHANICAL CODE

CHAPTER 5 - KITCHEN EXHAUST EQUIPMENT

STANDARD MECHANICAL CODE (SBCCI)

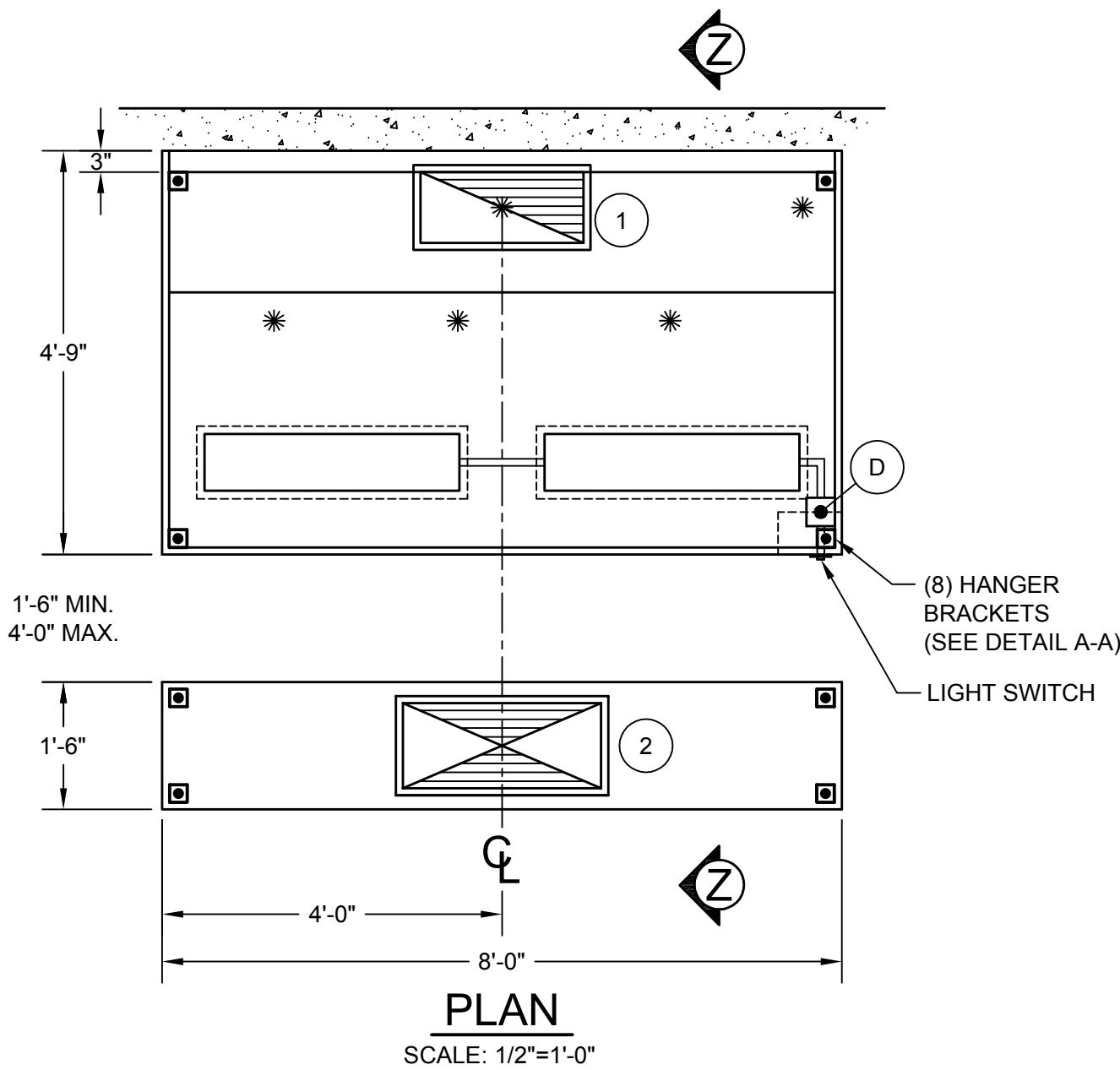
SECTION 504 - COMMERCIAL HOODS

UNIFORM BUILDING CODE (ICBO)

INTERNATIONAL MECHANICAL CODE (IMC)

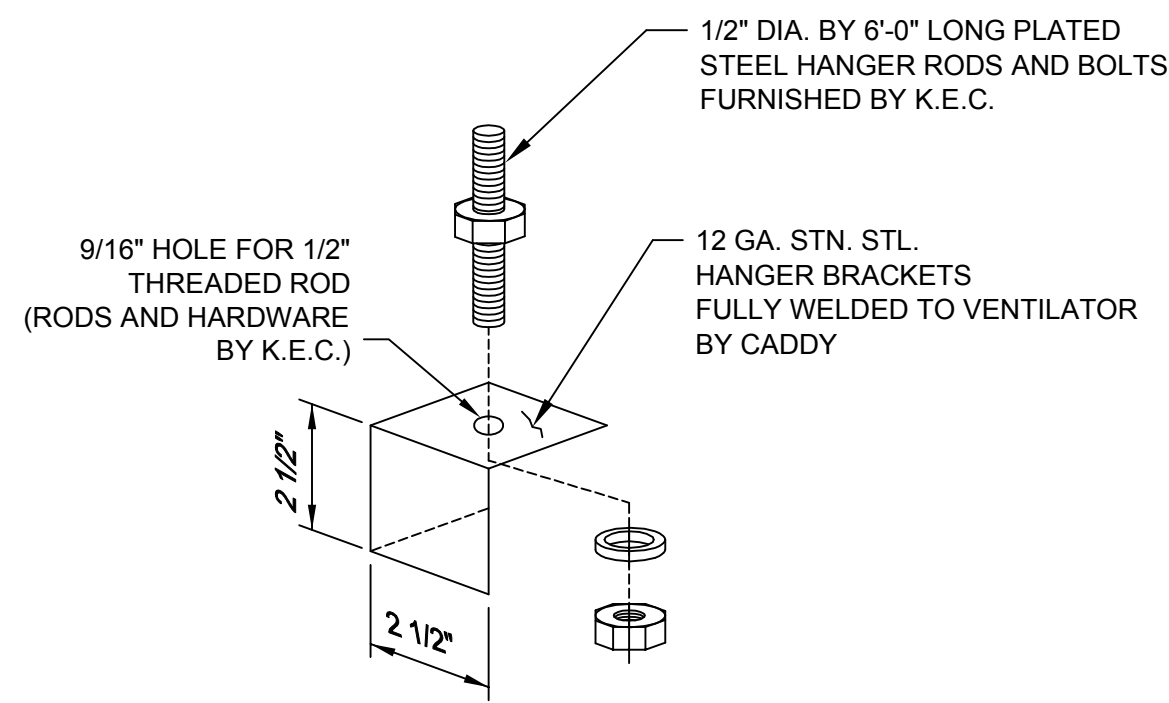
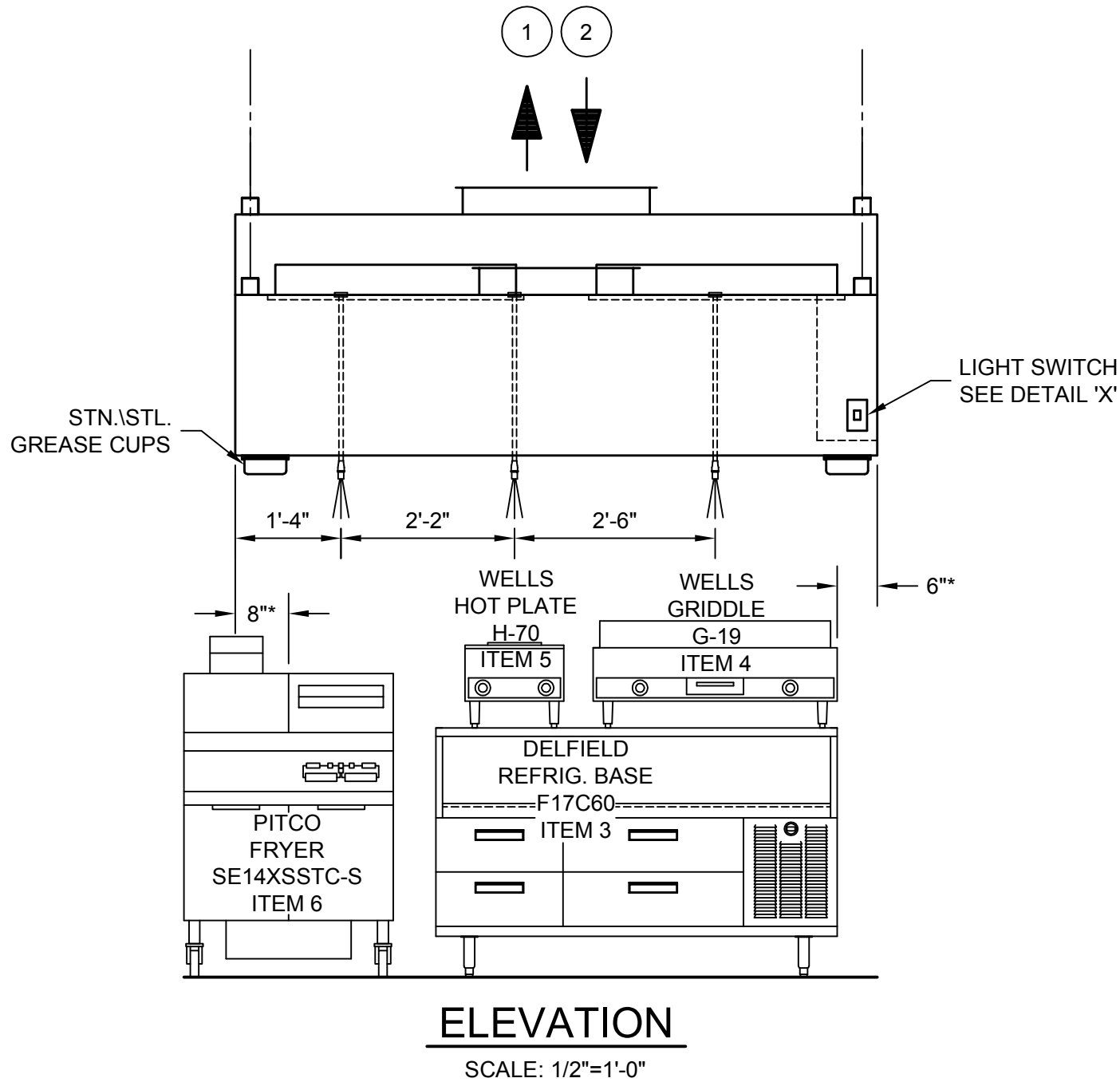
SECTION 507 - COMMERCIAL KITCHEN HOODS

EXCLUDES CODE #507.2.1.1, CONSULT FACTORY
FOR COMPLIANCE OPTIONS.



TOTAL EXHAUST : 2,400 C.F.M.
TOTAL SUPPLY : 1,920 C.F.M.

1	10" X 23" EXHAUST DUCT 2,400 C.F.M. @ 1.60" S.P.	2	12" X 28" SUPPLY DUCT 1,920 C.F.M. @ 0.20" S.P.
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HANGER BRACKET DETAIL A-A
SCALE: 1/4"=1"

GENERAL CONTRACT CONDITIONS

ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INSOFAR AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL CODES THAT ADD OR 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

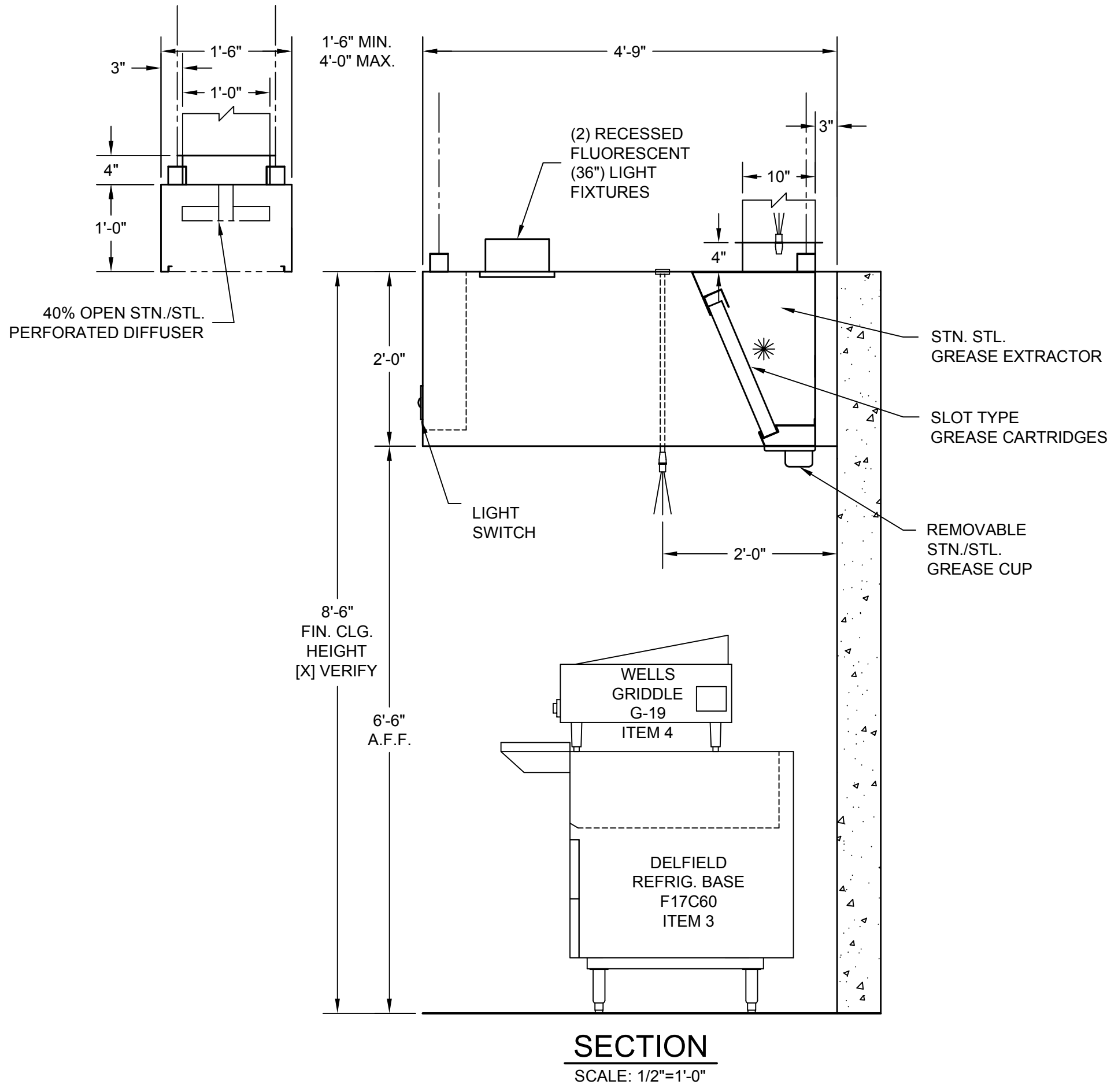
ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA MAXIMUM VENTILATOR DIMENSIONS 8'-0" LONG X 4'-9" WIDE X 28 1/2" HIGH ESTIMATED TOTAL HANGING WEIGHT: 720 LBS.

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

ELECTRICAL NOTES:

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO 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. LIGHT SWITCH LOCATED ON THE FACE OF VENTILATOR.

NOTE: ANSUL FIRE SUPPRESSION SYSTEM DETAILS FURNISHED FOR INFORMATION PURPOSES ONLY. CADDY IS RESPONSIBLE FOR FACTORY PRE-PIPING ONLY, WHICH INCLUDES INTERNAL PLENUM AND DUCT COLLAR PIPING WITH NOZZLES, FUSIBLE LINK DETECTOR BRACKETS, AND PIPING FOR SURFACE DROPS. CHROME SURFACE NOZZLE DROPS BY FIRE SUPPRESSION SYSTEM SUB-CONTRACTOR.



GENERAL NOTES

EXHAUST AIR REQUIREMENTS:

1. EXHAUST C.F.M. BASED ON 300 C.F.M. PER LINEAR FOOT.
2. EXHAUST STATIC PRESSURE IS 1.60" W.G. AT DUCT TAKE-OFF COLLAR. TOTAL DUCT STATIC MUST BE ADDED. STATIC BASED ON OPERATION AT MEAN SEA LEVEL.
3. DUCT SIZE BASED ON 1,500 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.
2. 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.).
2. VENTILATORS ARE NOT TO BE INSTALLED IN AREAS MEANT TO HANDLE ENVIRONMENTAL AIR.
3. 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.
4. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

CONSTRUCTION:

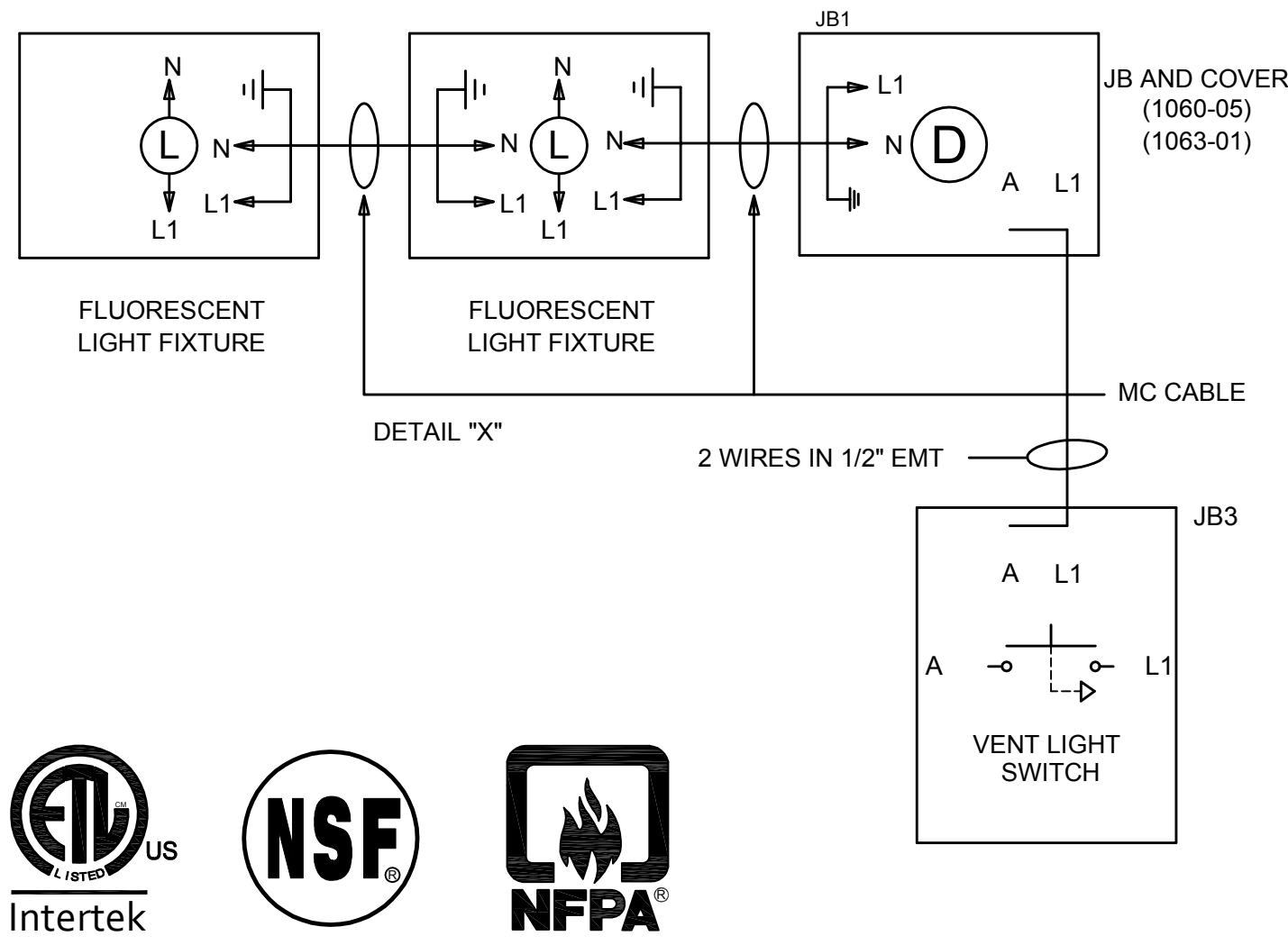
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL.


FIRE PROTECTION:

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

ELECTRICAL REQUIREMENTS:

1. LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



ROUGH-IN SCHEDULE			REVISIONS				 <div>CADDY CORPORATION 509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Internet: www.caddycorp.com P.O. Box 345 Fax: 856-467-5511</div>
SYM	QTY	DESCRIPTION	REV	DATE	BY	REMARKS	
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD	A	03-12-13	ECC	NO CHANGES	
			B	4-26-13	TJC	NO CHANGES	
			C	5-14-13	DRA	NO CHANGES	
			D	02/12/14	ECC	REVISED FOR FABRICATION PER *APPROVED AS NOTED DRAWING*	
			E	3-4-14	DRA	NO CHANGES	
			F	03/31/14	SAH	NO CHANGES	
			G	4-29-14	ECC	NO CHANGES	
			H	5-15-14	ECC	NO CHANGES	
			DATE		2/27/13	SCALE	AS NOTED
			DR BY		ECC	APPD BY	<i>BPM</i>

EQUIPMENT SCHEDULE	
SHBC-C-W-96-ND-57 W/ CEILING SUPPLY PLENUM	
CADDY NO.	11383-2 ITEM NO. 9
JOB: LOEWS HOTEL LOC: CHICAGO, IL CUST: TRIMARK MARLINN CUST#: 377400 & .77281	

DWG# D-1-19029

SHT 1
OF 17

THE CADDY VENTILATOR TESTING,
LISTING AND APPROVAL REFERENCES:

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PROTECTION ASSOCIATION'S NFPA NO. 96 "VAPOR REMOVAL FROM
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INTERNATIONAL MECHANICAL CODE (IMC)

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

NOTE:

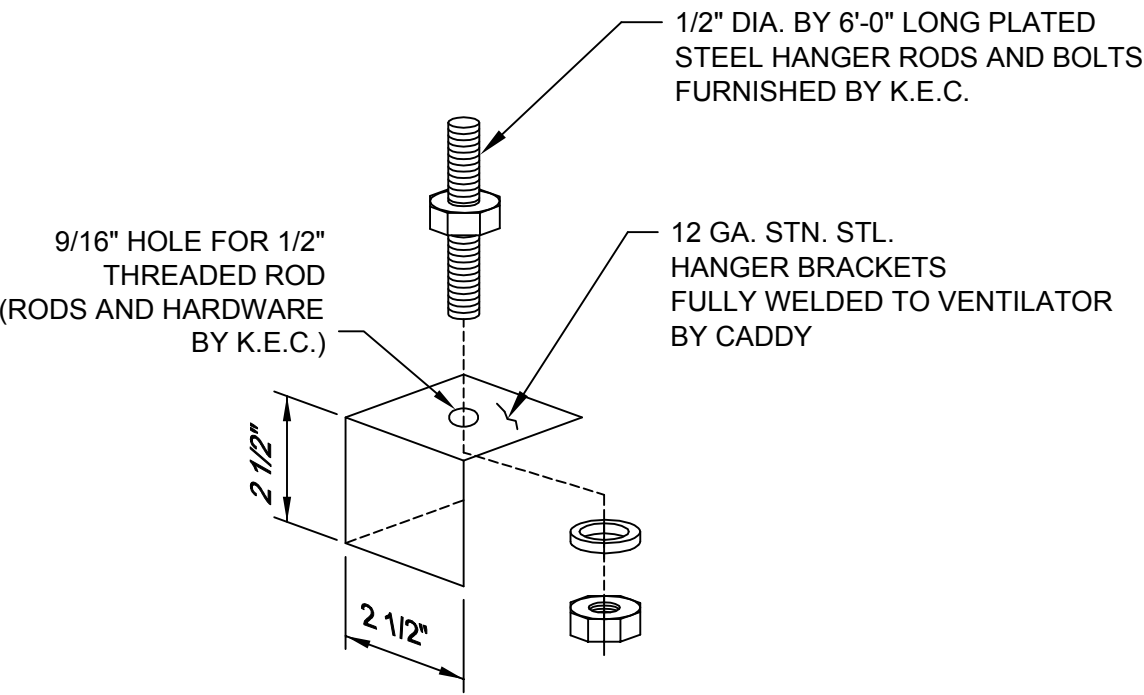
K.E.C. MUST VERIFY THE EXACT DIMENSION OF THE COOKING
EQUIPMENT FROM EITHER THE WALL OR FROM THE FRONT OF THE
HOOD, SO CADDY MAY PROPERLY LOCATE THE FIRE PROTECTION
NOZZLES AT TIME-OF-FABRICATION IN THE FACTORY. IF EQUIPMENT
IS NOT LOCATED AS SHOWN AND THE DRAWING IS APPROVED FOR
FABRICATION, THEN NOZZLES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

CONTRACTOR NOTE:

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

MAKE-UP AIR NOTE:

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



HANGER BRACKET DETAIL A-A

SCALE: 1/4"=1"

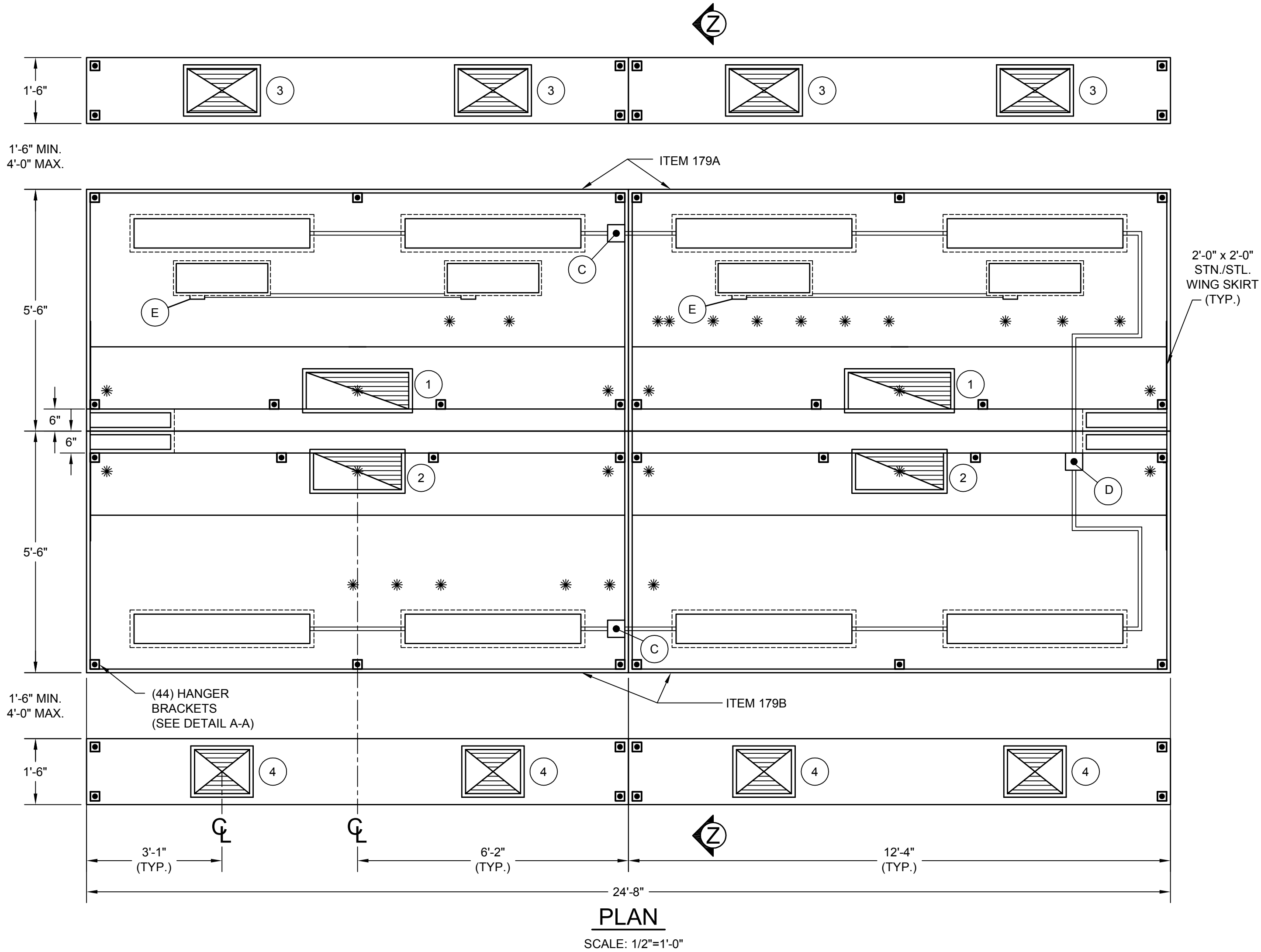
GENERAL CONTRACT CONDITIONS

ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH
STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INSOFAR AS APPLICABLE,
AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES
NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL
CODES THAT ADD OR 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 : 10,852 C.F.M.

TOTAL SUPPLY : 8,680 C.F.M.

1	10" X 28" EXHAUST DUCTS 2,960 C.F.M. EACH @ 1.60" S.P.	3	12" X 19" SUPPLY DUCTS 1,184 C.F.M. EACH @ 0.20" S.P.
2	10" X 24" EXHAUST DUCTS 2,466 C.F.M. EACH @ 1.60" S.P.	4	12" X 15" SUPPLY DUCTS 986 C.F.M. EACH @ 0.20" S.P.



PLAN

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

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 1,500 F.P.M.

EXHAUST FAN REQUIREMENTS:

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

MAKE-UP AIR REQUIREMENTS:

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

INSTALLATION:

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

CONSTRUCTION:

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

FIRE PROTECTION:


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

ELECTRICAL REQUIREMENTS:

- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.

NOTE: ANSUL FIRE SUPPRESSION SYSTEM DETAILS FURNISHED FOR INFORMATION
PURPOSES ONLY. CADDY IS RESPONSIBLE FOR FACTORY PRE-PIPING ONLY,
WHICH INCLUDES INTERNAL PLENUM AND DUCT COLLAR PIPING WITH
NOZZLES, FUSIBLE LINK DETECTOR BRACKETS, AND PIPING FOR SURFACE
DROPS. CHROME SURFACE NOZZLE DROPS BY FIRE SUPPRESSION
SYSTEM SUB-CONTRACTOR.



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SYM	QTY	DESCRIPTION	REV	DATE	BY	REMARKS	
D	1	120V, 60HZ, 1PH, 0.64 K.W. FROM UDS	A	03/12/13	ECC	REVISED PER REQUISITION DATED 02/19/13	
E	2	120V, 60HZ, 1PH, 1.44 K.W. EACH CONNECTED LOAD	B	4-26-13	TJC	NO CHANGES	
			C	5-14-13	DRA	NO CHANGES	
			D	02/10/14	DME	REVISED FOR FABRICATION PER *APPROVED AS NOTED DRAWING*	
			E	3-4-14	DRA	NO CHANGES	
			F	03/31/14	SAH	NO CHANGES	
			G	4-29-14	ECC	NO CHANGES	
			H	5-15-14	ECC	NO CHANGES	

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'-4" LONG x 5'-6" WIDE x 32 1/2" HIGH ESTIMATED TOTAL
HANGING WEIGHT: 4,810 LBS.

VENTILATOR TO BE SHIPPED IN (8) UNITS.
ALL PLUMBING AND ELECTRICAL DISCONNECTED
FOR SHIPMENT. RECONNECTED IN FIELD BY
PLUMBING AND ELECTRICAL CONTRACTORS.

GENERAL NOTES

THE CADDY VENTILATOR TESTING,
LISTING AND APPROVAL REFERENCES:

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

NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"

ETL, INTERTEK

TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR
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UNIFORM MECHANICAL CODE

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STANDARD MECHANICAL CO

SECTION 504 - COMMERCIAL HOODS

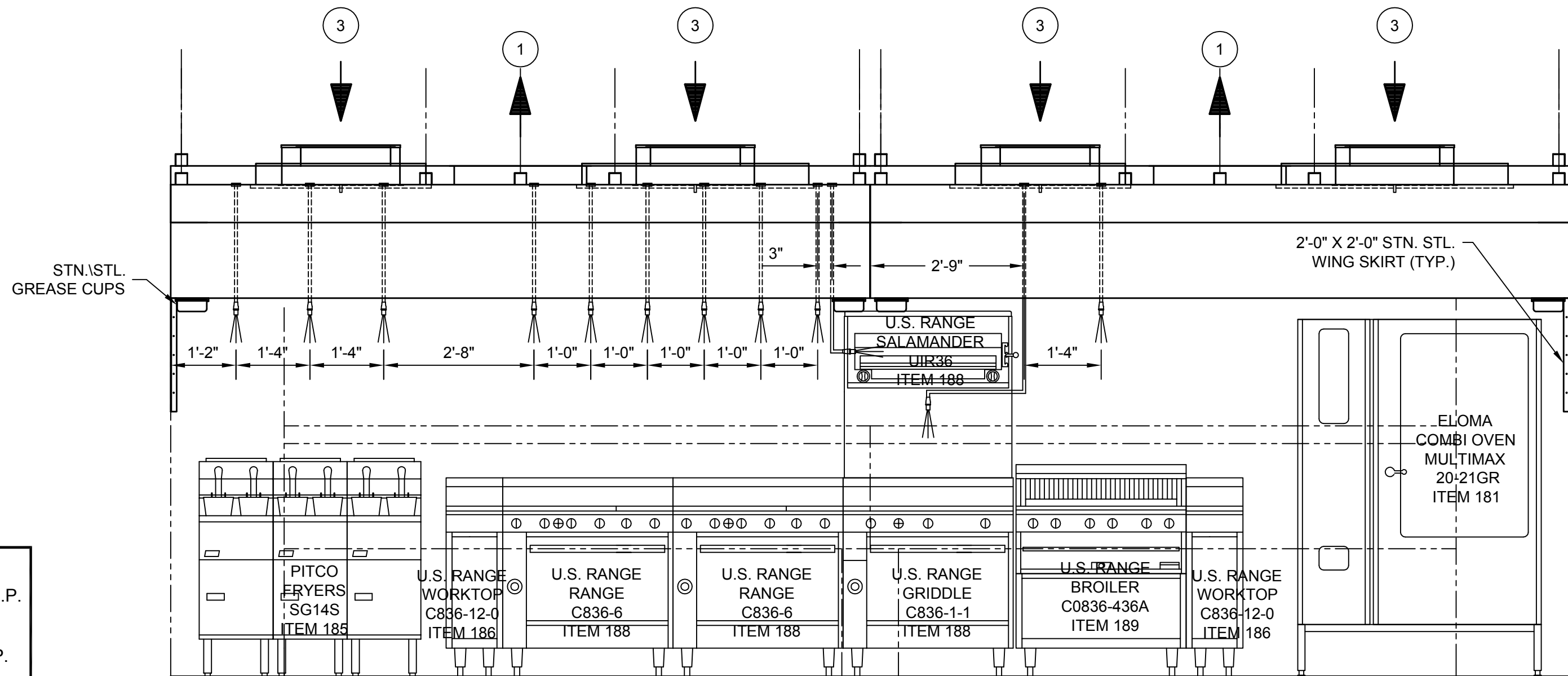
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EXCLUDES CODE #507.2.1.1, CONSULT FACTORY
FOR COMPLIANCE OPTIONS.

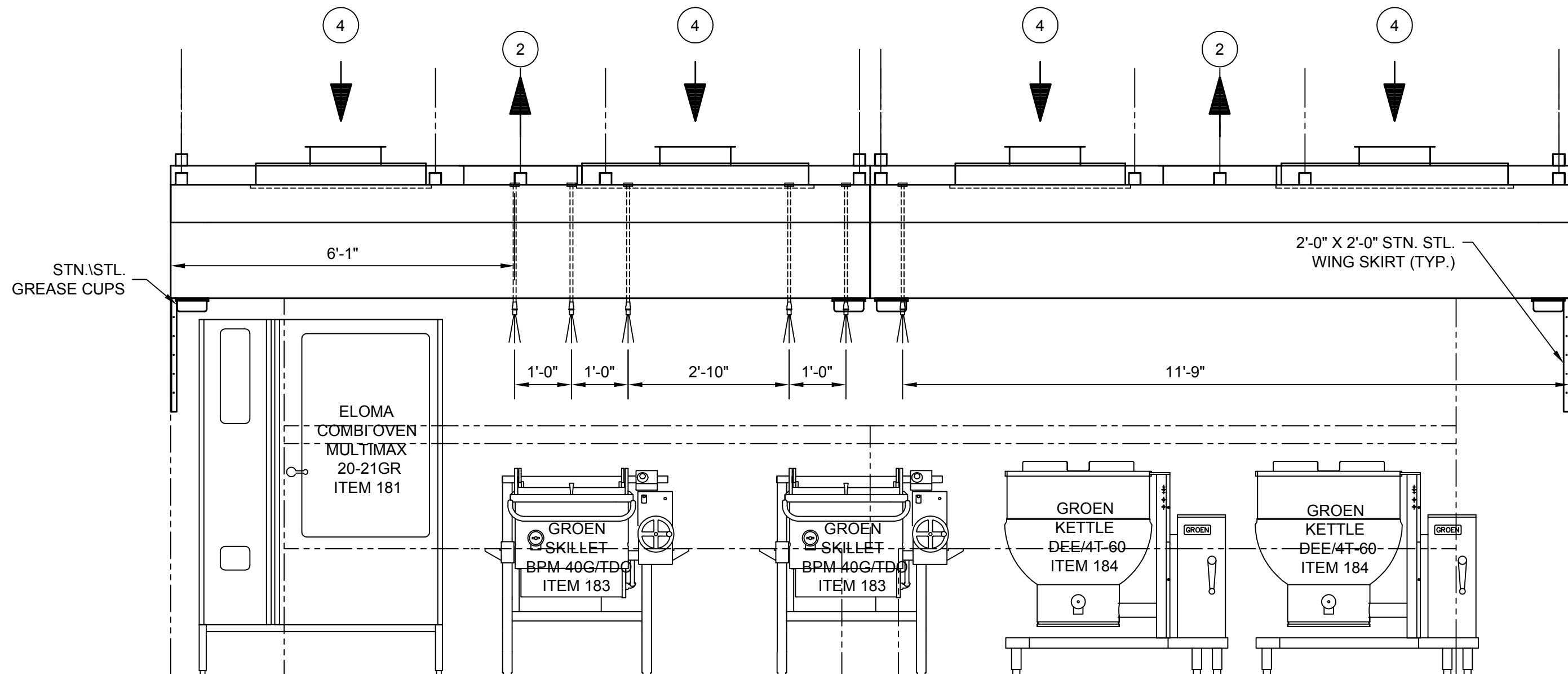
ELECTRICAL NOTES:

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX ① BY CADDY. DISCONNECTED FOR SHIPPING AT J-BOX ②. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY. SWITCH LOCATED IN UDS RISER ITEM # 180.



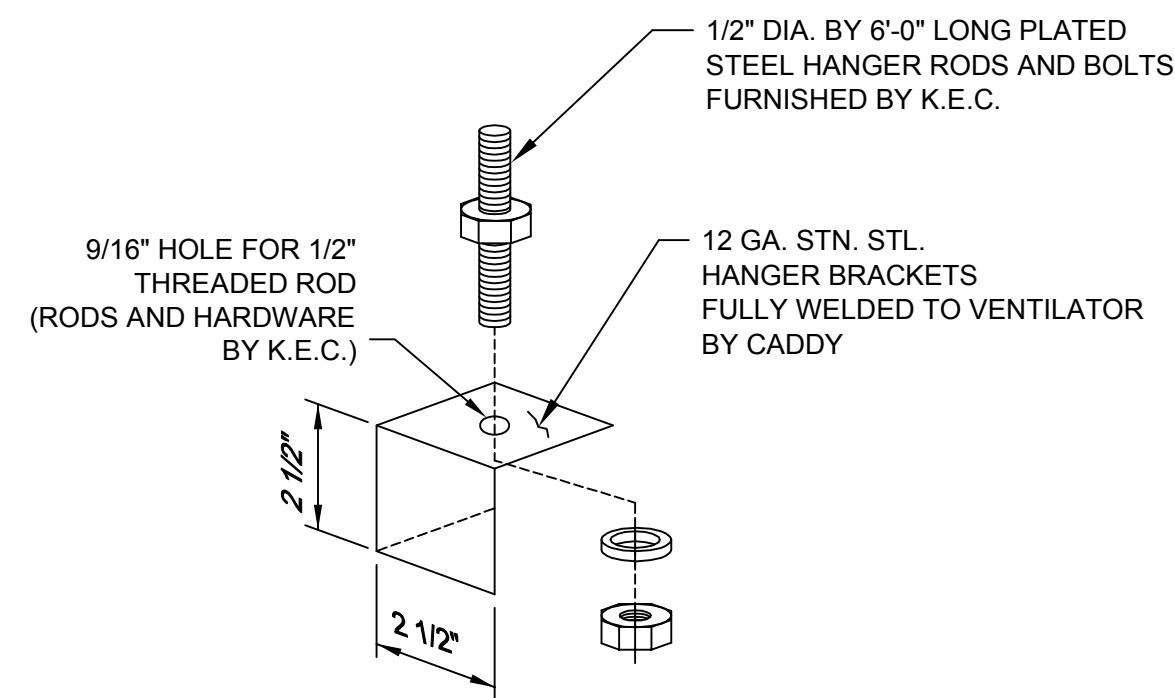
ELEVATION (179 A)

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



ELEVATION (179 B)

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



HANGER BRACKET DETAIL A-A

SCALE: 1/4"=1"

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

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

GENERAL CONTRACT CONDITIONS

ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INsofar AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL CODES THAT ADD OR DEVIATED FROM THE ACCEPTED STANDARDS OF THE ABOVE AGENCIES.


ANY FIELD WORK RELATING TO THE MODIFICATION OF ELECTRIC OR PLUMBING SYSTEMS, TO MEET REGIONAL OR LOCAL CODE REQUIREMENTS, IS TO BE DONE BY OTHERS AND WITHOUT BACK CHARGES TO CADDY CORPORATION, UNLESS THESE CONDITIONS WERE PREVIOUSLY BROUGHT TO OUR ATTENTION AND ARE EXPLICITLY MENTIONED IN OUR WRITING OR ESTIMATE.

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 12'-4" LONG x 5'-6" WIDE x 32 1/2" HIGH ESTIMATED TOTAL HANGING WEIGHT: 4,810 LBS.

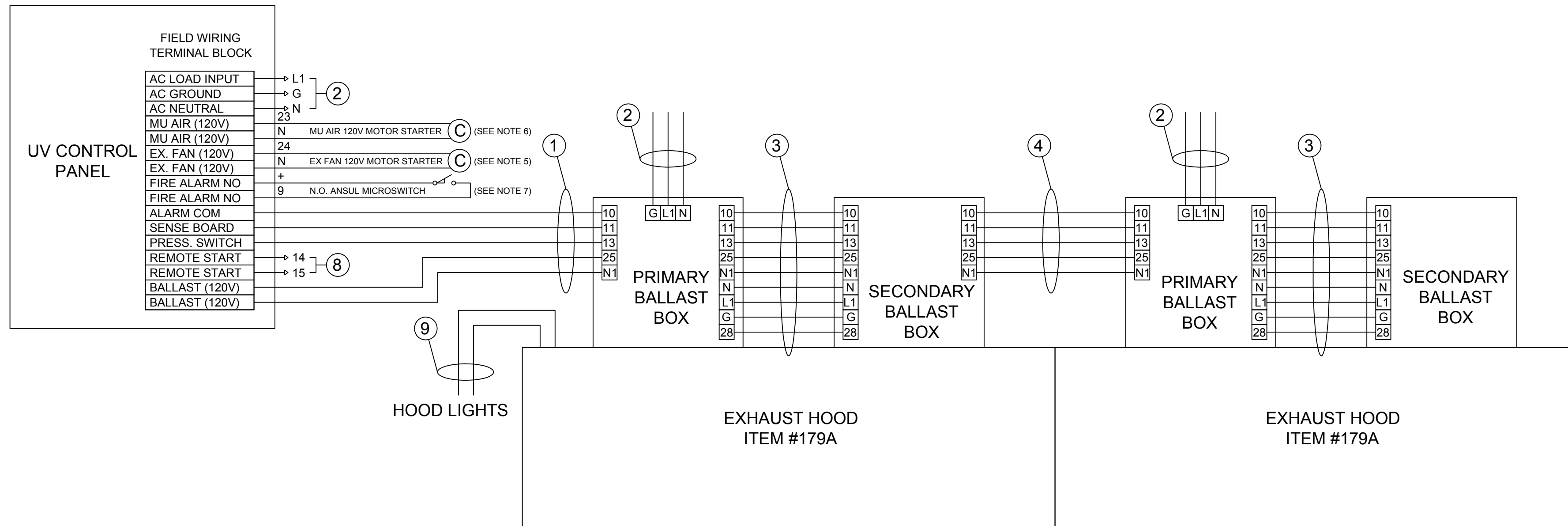
VENTILATOR TO BE SHIPPED IN (8) UNITS.
ALL PLUMBING AND ELECTRICAL DISCONNECTED
FOR SHIPMENT. RECONNECTED IN FIELD BY
PLUMBING AND ELECTRICAL CONTRACTORS.

ROUGH-IN SCHEDULE			REVISIONS		 <div>CADDY CORPORATION 509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 internet: www.caddycorp.com</div> <div>P.O. Box 345 Fax: 856-467-5511</div>
REV	DATE	BY	REMARKS		
SYM	QTY	DESCRIPTION			EQUIPMENT SCHEDULE SHBCU-C-W-148-ND-66 SHBC-C-W-148-ND-66 W/ CEILING SUPPLY PLENUMS CADDY NO. 11383-4 ITEM NO. 179 A & B JOB: LOEWS HOTEL LOC: CHICAGO, IL CUST: TRIMARK MARLINN CUST#: 377400 & .77281
D	1	120V, 60HZ, 1PH, 0.64 K.W. FROM UDS			
E	2	120V, 60HZ, 1PH, 1.44 K.W. EACH CONNECTED LOAD			

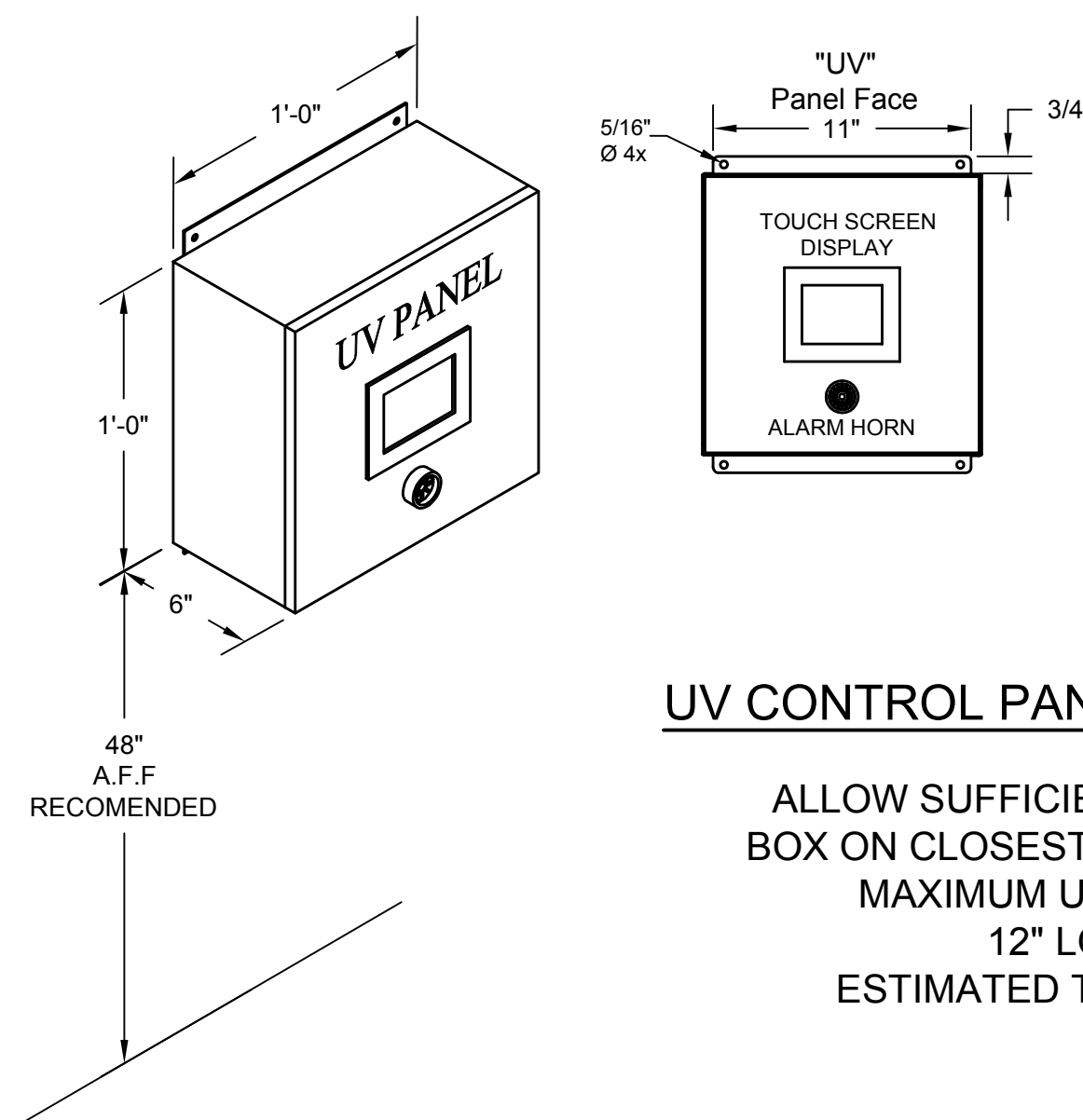
THE CADDY VENTILATOR TESTING, LISTING AND APPROVAL REFERENCES:

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 1,500 F.P.M.

CADDY ULTRA SERIES HOOD SYSTEM FIELD WIRING DIAGRAM



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



GENERAL CONTRACT CONDITIONS

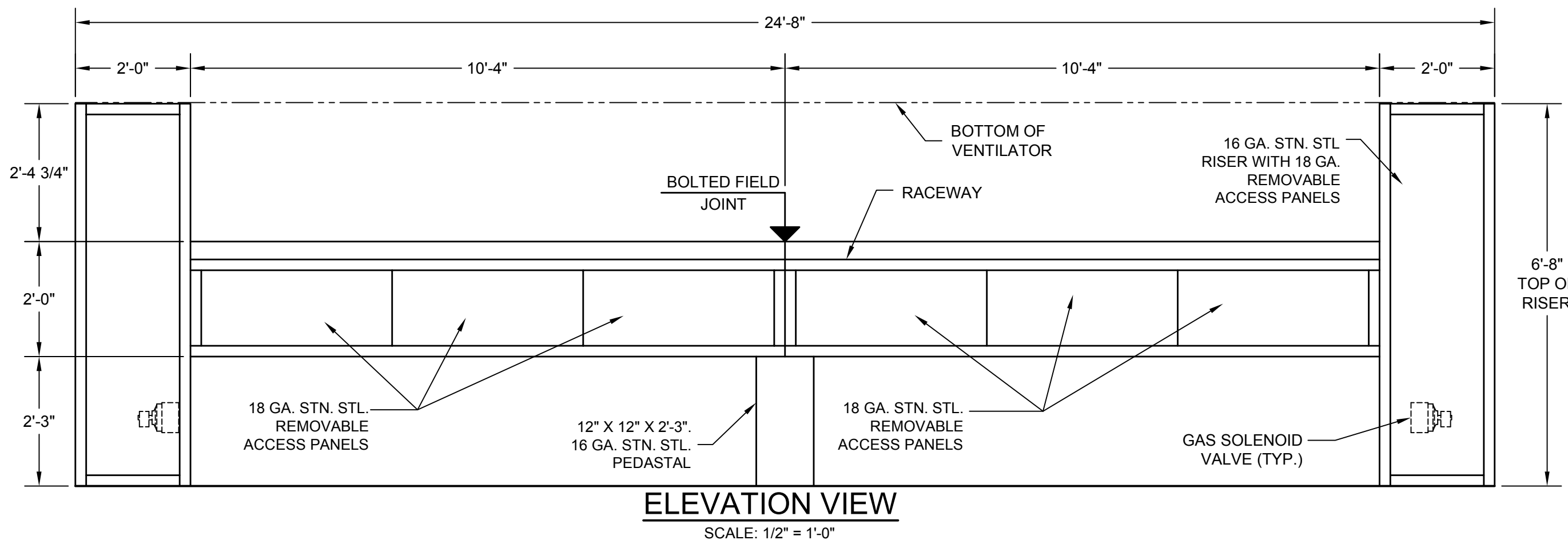
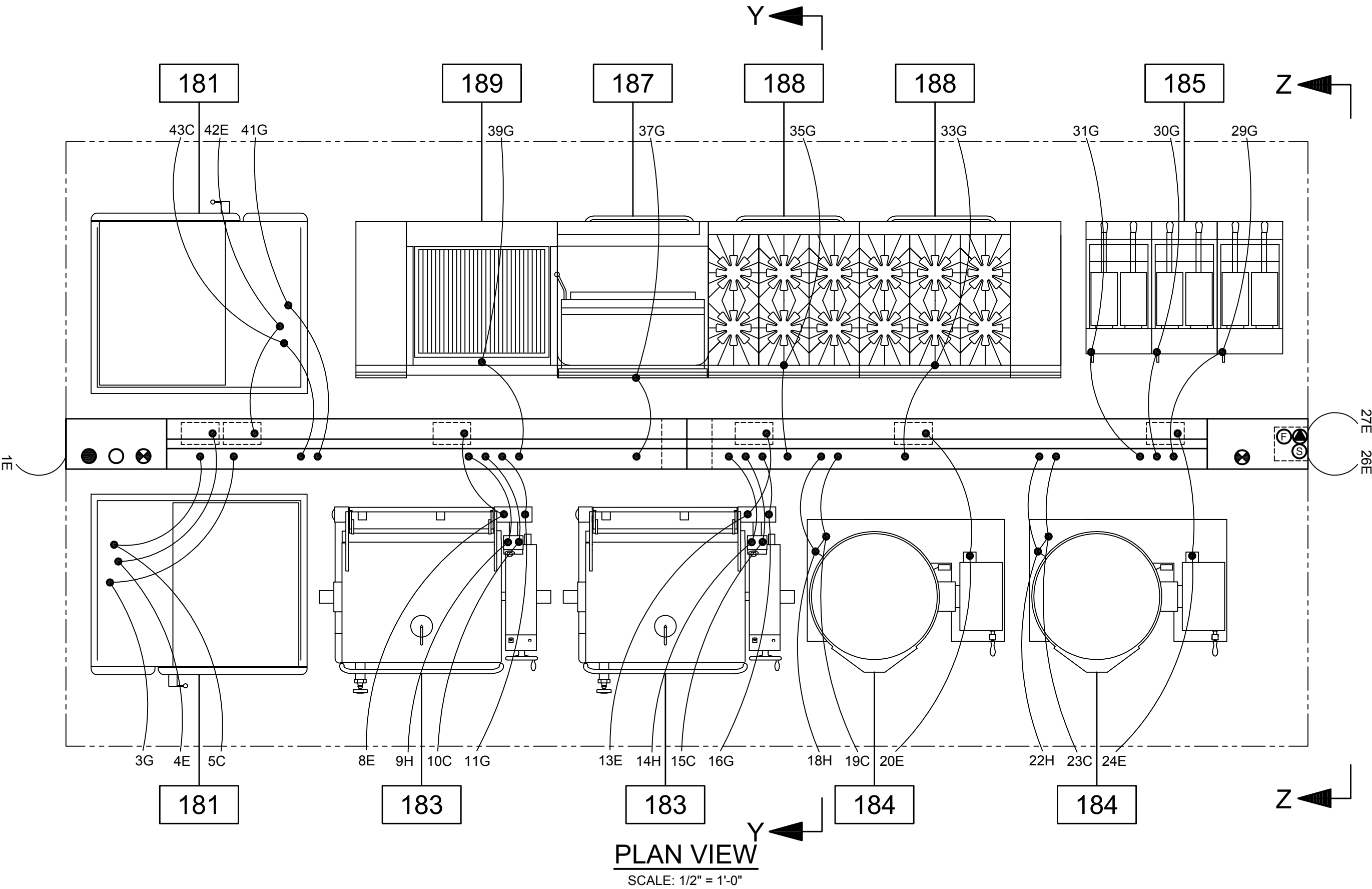
ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INsofar AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL CODES THAT ADD OR DEVIATE FROM THE ACCEPTED STANDARDS OF THE ABOVE AGENCIES.

ANY FIELD WORK RELATING TO THE MODIFICATION OF ELECTRIC OR PLUMBING SYSTEMS, TO MEET REGIONAL OR LOCAL CODE REQUIREMENTS, IS TO BE DONE BY OTHERS AND WITHOUT BACK CHARGES TO CADDY CORPORATION, UNLESS THESE CONDITIONS WERE PREVIOUSLY BROUGHT TO OUR ATTENTION AND ARE EXPRESSLY INCLUDED IN OUR WRITTEN QUOTATION.

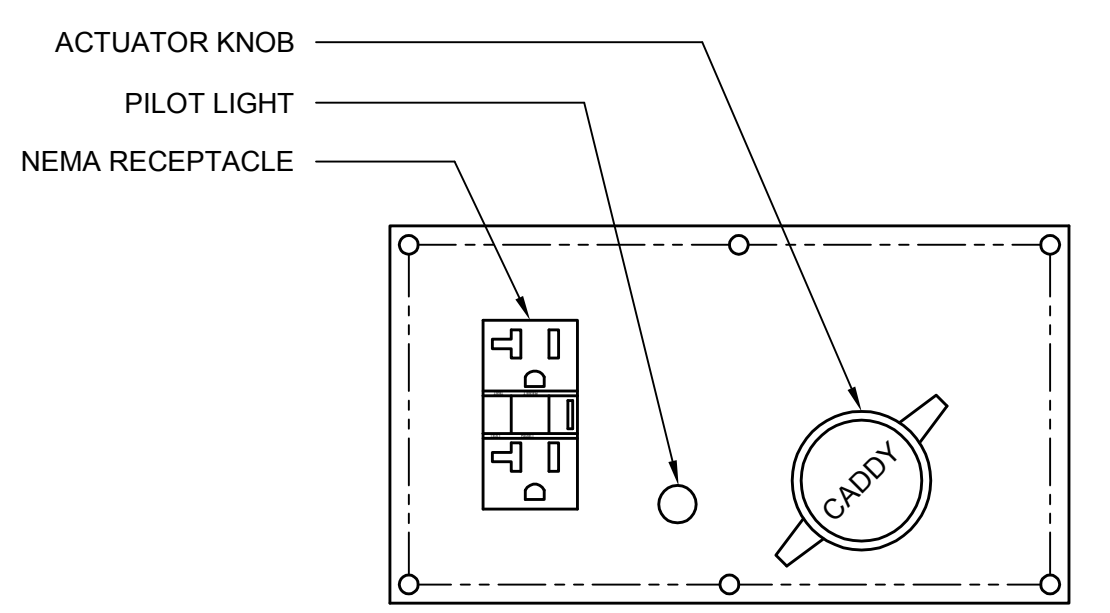
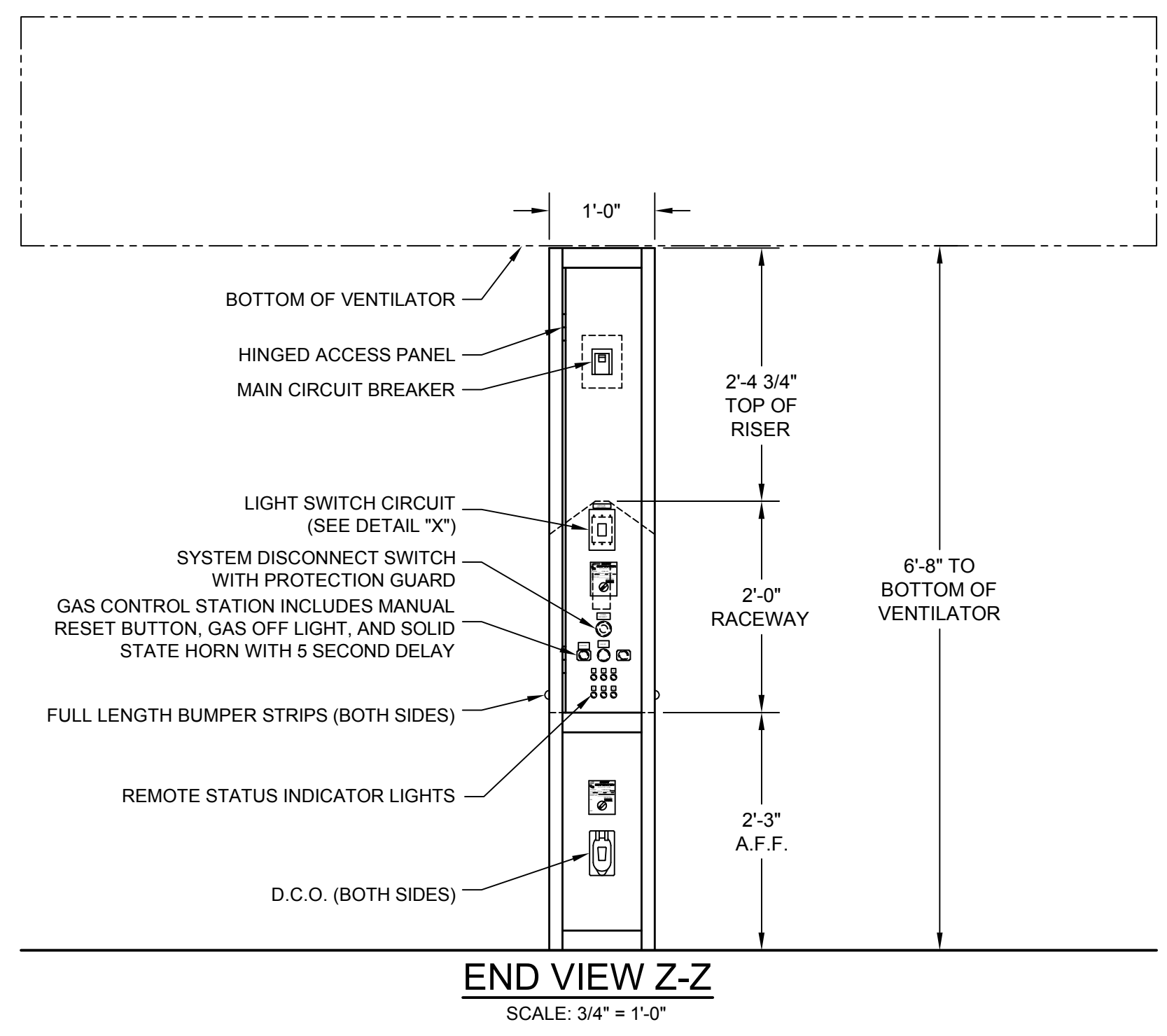
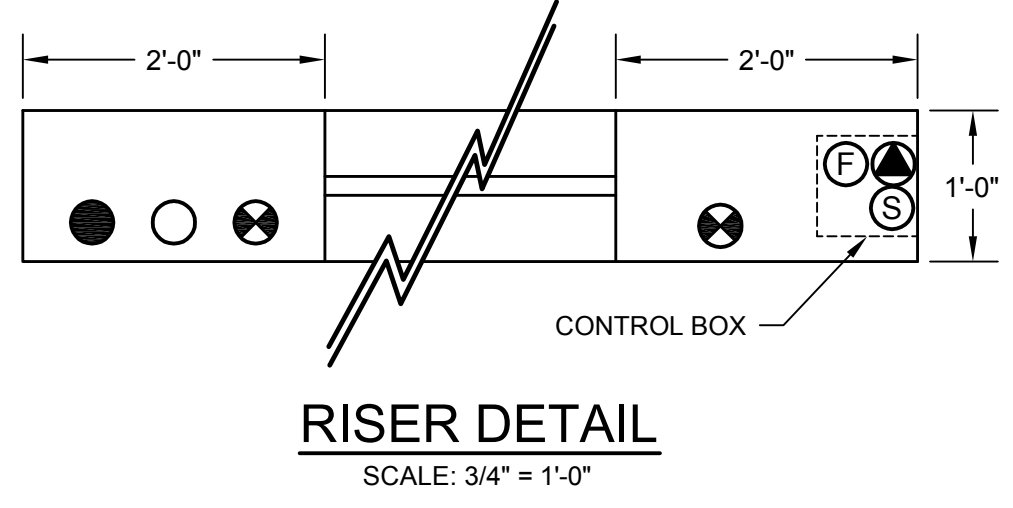
PLUMBING AND PLUMBING MATERIALS ARE THE RESPONSIBILITY OF OTHERS. EQUIPMENT WILL BE CONSTRUCTED IN ACCORDANCE WITH OUR DRAWINGS(S) WHICH MUST BE APPROVED PRIOR TO FABRICATION. ANY SUBSEQUENT CHANGES REQUIRED MUST BE SUBMITTED TO US IN WRITING AND ACKNOWLEDGED ON OUR STANDARD FORM.



<



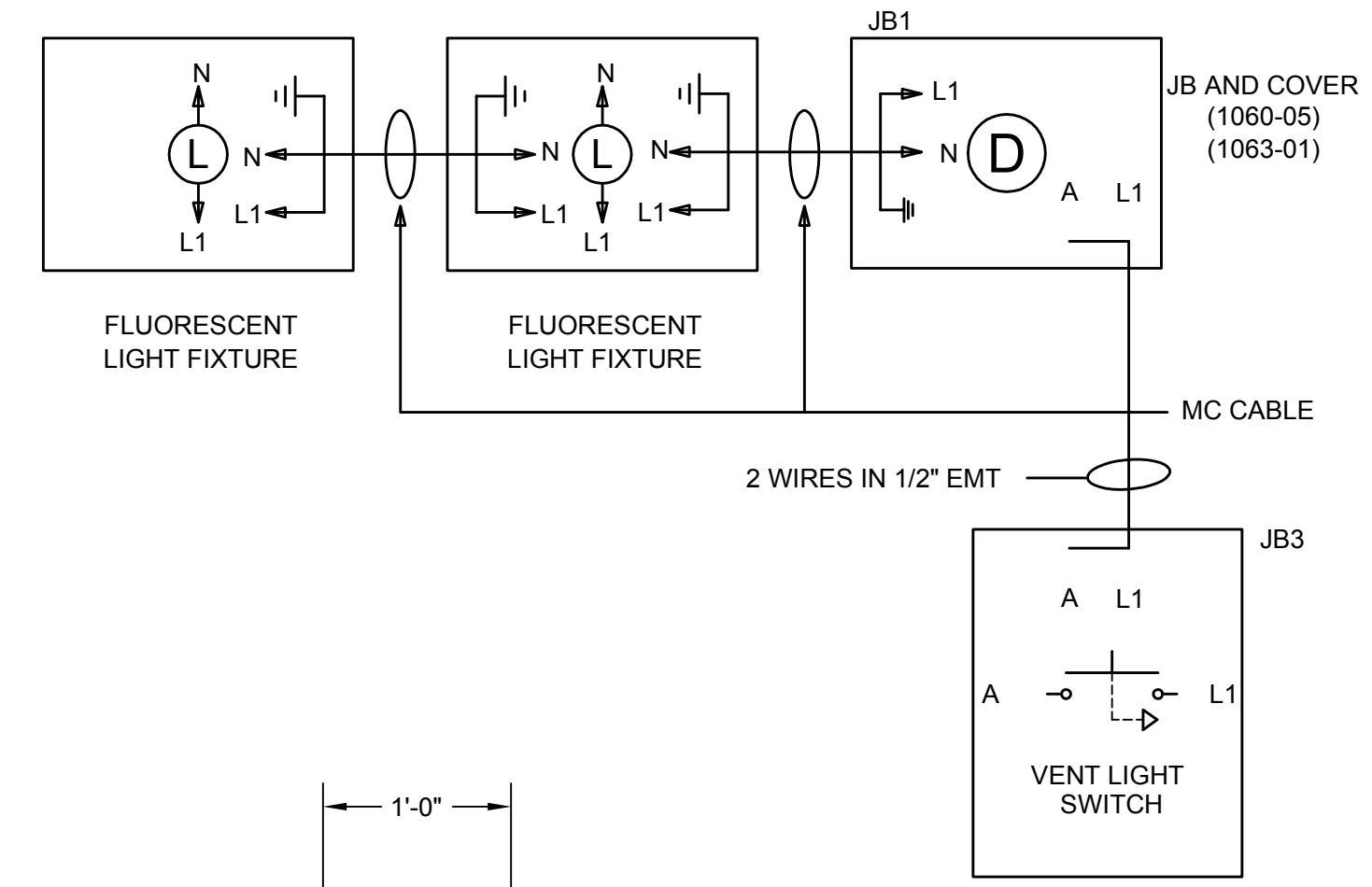
ALL UTILITIES INCLUDE 25%
OVER-CAPACITY FOR FUTURE EXPANSION



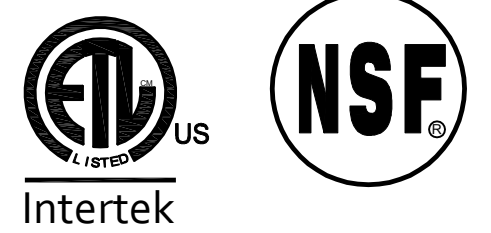
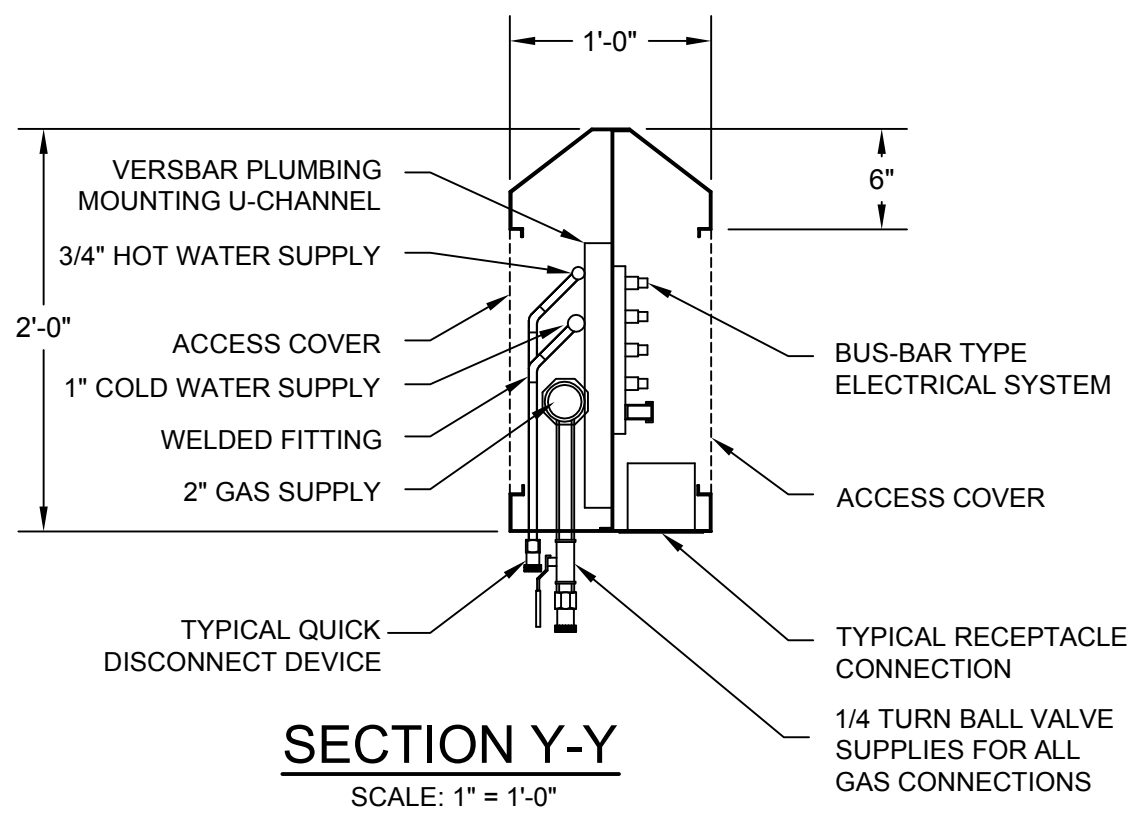
TYPICAL CADDY CONNECTION PLATE

PLATE ASSEMBLY HOUSING INCLUDES PILOT LIGHT, POINT OF USE CIRCUIT BREAKER WITH ACTUATOR KNOB, AND NEMA G.F.I. RECEPTACLE. SHALL BE 5" x 9" AND MOUNTED AS SHOWN.(RECEPTACLE COVER NOT SHOWN.)

K.E.C. TO VERIFY WITH COOKING EQUIPMENT MANUFACTURER THAT THEIR ITEMS WILL OPERATE ADEQUATELY WHILE CONNECTED TO A GFI RECEPTACLE, IF APPLICABLE. IF IT DOES NOT, CADDY MUST BE NOTIFIED PRIOR TO FABRICATION



DETAIL "X"



TYPICAL ELECTRICAL SERVICE CONNECTION		FIRE-FUEL SHUT-OFF FIELD WIRING DETAIL		NOTES		ROUGH-IN SCHEDULE					REVISIONS				<div><div></div><div>CADDY CORPORATION</div><div>509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 internet: www.caddycorp.com</div><div>P.O. Box 345 Fax: 856-467-5511</div></div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				<div><div>1.</div><div>THIS UNIT IS TO BE SHIPPED IN TWO (2) PIECE(S) AS SHOWN IN PLAN VIEW. [] VERIFY FOR ENTRANCE INTO BUILDING AND UNIT AREA.</div><div>2.</div><div>[] VERIFY ROUGHING SCHEDULE.</div><div>3.</div><div>NAT'L SANITATION FOUNDATION-STANDARD #2-"FOOD SERVICE EQUIPMENT". UNIFORM BUILDING CODE (ICBO). ETL LISTED, CONTROL # 3177269.</div><div>4.</div><div>ALL "VERIFIES" ON THIS DRAWING MUST BE CONFIRMED. YOUR FABRICATION APPROVAL SHALL INDICATE YOUR ACCEPTANCE AS SHOWN.</div><div>5.</div><div>ELECTRICAL CONTRACTOR MUST ROUGH-IN UP TO THE BUS-BAR CONNECTION LUGS. APPROXIMATE 36" A.F.F.</div></div>		<table><tr><th>SYM</th><th>QTY</th><th>DESCRIPTION</th><th colspan="3">PLEASE SPECIFY</th></tr><tr><th></th><th></th><th></th><th>CEILING</th><th>FLOOR</th><th>OTHER</th></tr><tr><td></td><td>1</td><td>120/208V, 3Ø, 60Hz, .200 AMPS</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>2" GAS SUPPLY 2,318 MBTU (LOOPED)</td><td></td><td></td><td></td></tr><tr><td></td><td>1</td><td>3/4" HOT WATER SUPPLY</td><td></td><td></td><td></td></tr><tr><td></td><td>1</td><td>1" COLD WATER SUPPLY</td><td></td><td></td><td></td></tr><tr><td></td><td>1</td><td>FIRE FUEL SHUT-OFF SEE DETAIL</td><td></td><td></td><td></td></tr><tr><td></td><td>1</td><td>VENT. 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SPECIFY						CEILING	FLOOR	OTHER		1	120/208V, 3Ø, 60Hz, .200 AMPS					2	2" GAS SUPPLY 2,318 MBTU (LOOPED)					1	3/4" HOT WATER SUPPLY					1	1" COLD WATER SUPPLY					1	FIRE FUEL SHUT-OFF SEE DETAIL					1	VENT. 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CONNECTION LEGEND			
E=ELECTRICAL	G=GAS	SS=SUPERSWIVEL	CF=CIMFAST
S=STEAM SUPPLY	R=STEAM RETURN	DS=DOUBLE SUPERSWIVEL	GF=GROUND FAULT
H=HOT WATER	C=COLD WATER	QD=QUICK DISCONNCT	HC=HARD CONN.

SCHEDULE OF UTILITY CONNECTIONS

CONN. NO.	ITEM NO.	EQUIPMENT DESCRIPTION	ELECTRICAL							GAS			STEAM			WATER 60 PSI (MAX.)			CONNECTIONS			FIRE-FUEL SHUT-OFF	COLED RESTRAINT DEVICES
			KW	AMPS	VOLTS	Ø	BREAKER AMPS	NEMA NO.	OUTLET NO.	BTU'S PER HOUR	IPS	TRANSITION SIZE	LBS PER HOUR AT 40 PSI	SUPPLY IPS	RETURN IPS	HOT	COLD	TRANSITION SIZE	CONNECTION TYPE	CONN. LENGTH	CONN. STYLE		
1E	180	U.D.S. DUPLEX CONVENIENCE OUTLET	1.5	12	120	1	15	5-15R	5262												GF	X	
2		SPARE																					
3G	181	ELOMA, COMBI. OVEN, MULTIMAX 20-21GR								239,000	1"	3/4"							HOSE	6'-0"	QD	X	X
4E	181	ELOMA, COMBI. OVEN, MULTIMAX 20-21GR	2.4	20	120	1	20	5-20R	5362										CORD & PLUG	6'-0"	GF	X	
5C	181	ELOMA, COMBI. OVEN, MULTIMAX 20-21GR															3/4"		HOSE	6'-0"	QD		
6		SPARE																					
7		SPARE																					
8E	183	GROEN, TILTING SKILLET, BPM-40G	0.6	5	120	1	20	5-20R	5362										CORD & PLUG	6'-0"	GF	X	
9H	183	GROEN, TILTING SKILLET, BPM-40G														1/2"			HOSE	6'-0"	QD		
10C	183	GROEN, TILTING SKILLET, BPM-40G															1/2"		HOSE	6'-0"	QD		
11G	183	GROEN, TILTING SKILLET, BPM-40G								144,000	3/4"	1/2"							HOSE	6'-0"	QD	X	X
12		SPARE																					
13E	183	GROEN, TILTING SKILLET, BPM-40G	0.6	5	120	1	20	5-20R	5362										CORD & PLUG	6'-0"	GF	X	
14H	183	GROEN, TILTING SKILLET, BPM-40G														1/2"			HOSE	6'-0"	QD		
15C	183	GROEN, TILTING SKILLET, BPM-40G															1/2"		HOSE	6'-0"	QD		
16G	183	GROEN, TILTING SKILLET, BPM-40G								144,000	3/4"	1/2"							HOSE	6'-0"	QD	X	X
17		SPARE																					
18H	184	GROEN, KETTLE, DEE/4T-60														1/2"			HOSE	6'-0"	QD		
19C	184	GROEN, KETTLE, DEE/4T-60															1/2"		HOSE	6'-0"	QD		
20E	184	GROEN, KETTLE, DEE/4T-60	21.2	59	208	3	80	NONE	NONE										DIRECT	6'-0"	HC	X	
21		SPARE																					
22H	184	GROEN, KETTLE, DEE/4T-60														1/2"			HOSE	6'-0"	QD		
23C	184	GROEN, KETTLE, DEE/4T-60															1/2"		HOSE	6'-0"	QD		
24E	184	GROEN, KETTLE, DEE/4T-60	21.2	59	208	3	80	NONE	NONE										DIRECT	6'-0"	HC	X	
25		SPARE																					
26E	179	VENTILATOR LIGHT SWITCH	1.5	12	120	1	15												DIRECT		HC	X	
27E	180	U.D.S. DUPLEX CONVENIENCE OUTLET	1.5	12	120	1	15	5-15R	5262												GF	X	
28		SPARE																					
29G	185	PITCO, FRYER, SG14S								110,000	3/4"								HOSE	6'-0"	QD	X	X
30G	185	PITCO, FRYER, SG14S								110,000	3/4"								HOSE	6'-0"	QD	X	X
31G	185	PITCO, FRYER, SG14S								110,000	3/4"								HOSE	6'-0"	QD	X	X
32		SPARE																					
33G	188	U.S. RANGE, RANGE, C836-6								220,000	1"	3/4"							HOSE	6'-0"	QD	X	X
34		SPARE																					
35G	188	U.S. RANGE, RANGE, C836-6								220,000	1"	3/4"							HOSE	6'-0"	QD	X	X
36		SPARE																					
37G	187	U.S. RANGE, GRIDDLE 136-8 & SALAMANDER UIR36								170,000	1"	3/4"							HOSE	6'-0"	QD	X	X
38		SPARE																					
39G	189	U.S. RANGE, CHARBROILER, C0836-436A								148,000	1"	3/4"							HOSE	6'-0"	QD	X	X
40		SPARE																					
41G	181	ELOMA, COMBI. OVEN, MULTIMAX 20-21GR								239,000	1"	3/4"							HOSE	6'-0"	QD	X	X
42E	181	ELOMA, COMBI. OVEN, MULTIMAX 20-21GR	2.4	20	120	1	20	5-20R	5362										CORD & PLUG	6'-0"	GF	X	
43C	181	ELOMA, COMBI. OVEN, MULTIMAX 20-21GR															3/4"		HOSE	6'-0"	QD		

GENERAL CONDITIONS:

- ALL U.D.S. ELECTRIC AND PLUMBING WORK COMPLIES WITH THE FOLLOWING CODES: UNDERWRITERS LABORATORY STANDARDS, NATIONAL ELECTRICAL CODE, NATIONAL FIRE PROTECTION ASSOCIATION (NFFPA), NO. 54, AND NO. 96, AMERICAN GAS ASSOCIATION, AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
- ANY VARIANCES WITH CODES LISTED ABOVE MUST BE MADE KNOWN TO U.D.S. MANUFACTURER PRIOR TO FABRICATION.
- SIZE OF BUS-BARS ON TOTAL CONNECTED LOAD AS SHOWN IN SCHEDULE. U.D.S. MANUFACTURER MUST BE NOTIFIED, PRIOR TO FABRICATION, IF ADDITIONAL LOADS ARE REQUIRED; IT WILL BE THE OPTION OF THE U.D.S. MANUFACTURER TO ACCEPT OR REJECT THE CHANGES.
- U.D.S. MANUFACTURER WILL VOID ALL GUARANTEES, AND WILL NOT BE HELD RESPONSIBLE FOR CONTINUED SAFE ELECTRICAL OPERATION, IF FOOD SERVICE EQUIP. CONTRACTOR ADDS ELECTRICAL ASSEMBLIES EXCEEDING BUS-BAR CAPACITY, AFTER UTILITY DISTRIBUTION SYSTEM HAS LEFT THE FACTORY.
- THE UTILITY DISTRIBUTION SYSTEMS EXTERNAL ENCLOSURE SHALL BE FABRICATED FROM NO. 16 GAUGE , NO.304 STAINLESS STEEL HAVING A NO. 4 FINISH UNLESS OTHERWISE SPECIFIED.
- GROUND FAULT INTERRUPTION FOR PERSONNEL PROTECTION TO BE PROVIDED FOR SINGLE POLE BREAKERS 120 1 PHASE 20 AMPS BY U.D.S. MANUFACTURER.
- PLUMBING TRANSITIONS FROM U.D.S. MANUFACTURER SUPPLIED GAS HOSES TO F.S.E.C. VERIFIED EQUIPMENT SHALL BY INSTALLED ON HOSES AT TIME OF FABRICATION.

FOOD SERVICE EQUIP. CONTRACTOR:

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

ELECTRICAL CONTRACTOR:


- PROVIDE AND INSTALL ELECTRICAL SERVICE TO U.D.S. TERMINAL BLOCKS OR CONNECTING LUGS AS INDICATED ON OUR DRAWINGS.
- CONNECT ALL ELECTRICAL FIELD JOINTS (WHICH INCLUDE RECONNECTING QUICK DISCONNECT SNAP PLUG-IN CONNECTORS FOR CONTROL WIRING AND BOLT IN BUS-BAR SPLICES SUPPLIED WITH THE U.D.S. WHEN APPLICABLE).
- CONNECT FROM FIRE EXTINGUISHING SYSTEMS MICRO-SWITCH OR RELAY TO U.D.S. TERMINAL STRIP.
- RECONNECT MAIN FEED WIRE SEALTIGHT AND ENCLOSURED WIRES FROM MAIN CIRCUIT BREAKER TO RACEWAY BUS-BAR FOLLOWING WIRING COLOR CODE.
- CONNECT ALL ELECTRICAL ASSEMBLIES TO FOOD SERVICE EQUIPMENT JUNCTION BOXES, AND TO UTILITY DISTRIBUTION SYSTEM.
- INSPECT FOR, AND TIGHTEN ANY LOOSE CONNECTIONS CAUSED BY SHIPPING.
- CONNECT LOAD SIDE OF OPTIONAL MAGNETIC STARTER(S) IN VERTICAL CHASE TO EXHAUST AND SUPPLY FAN MOTOR(S).
- CONNECT VENTILATOR LIGHT SWITCH(ES) IN VERTICAL CHASE TO JUNCTION BOX(ES) ON VENTILATOR.
- PROVIDE FIELD SERVICE ENTRANCE KNOCKOUTS AS REQUIRED.
- PROVIDE PROPER SERVICE FEEDS AND NECESSARY OVER CURRENT PROTECTION DEVICES IN ACCORDANCE WITH APPLICABLE CODES.
- ALL CORDS WITH PLUGS ARE LIMITED BY CODES IN MOST AREAS TO 6'-0" MAXIMUM IN LENGTH. WHERE THIS IS EXCEEDED THE ELECTRICIAN MUST EXTEND THE FEEDS TO ACCOMMODATE THIS CONDITION.

PLUMBING CONTRACTOR:

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

EQUIPMENT NOTES:

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

REVISIONS				 CADDY CORPORATION 509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 internet: www.caddycorp.com P.O. Box 345 Fax: 856-467-5511	
REV	DATE	BY	REMARKS		
A	03/21/13	ECC	REVISED PER REQUISITION DATED 02/19/13	EQUIPMENT SCHEDULE	
B	4-26-13	TJC	REVISED UTILITIES TO COME UP FROM BELOW		
C	5-14-13	DRA	NO CHANGES		
D	02/10/14	DRA	REVISED FOR FABRICATION PER "APPROVED AS NOTED DRAWING"		
E	3-4-14	DRA	NO CHANGES	ID-EGW-025 24'-8" LONG	
F	03/31/14	SAH	NO CHANGES		
G	4-29-14	ECC	NO CHANGES	CADDY NO. 11383-5 ITEM NO. 180	
H	5-15-14	ECC	NO CHANGES		
DATE 2/27/13			SCALE AS NOTED	DWG# D-1-19029	
DR BY ECC			APPD BY <i>BPM</i>		
				SHT 7 OF 17	

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 SUBMITTETO US IN WRITING AND ACKNOWLEDGED ON OUR STANDARD FORM.

ELEC. HOT & COLD
DOWN FROM ABOVE.
GAS UP FROM
BELOW

ELECTRICAL CONTRACT REQUIREMENTS

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

PLUMBING CONTRACT REQUIREMENTS

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

THE CADDY VENTILATOR TESTING,
LISTING AND APPROVAL REFERENCES:

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

NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"

ETL, INTERTEK

TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR
COMMERCIAL COOKING EQUIPMENT". ETL LISTED UNDER
CONTROL # 3177269

UNIFORM MECHANICAL CODE

SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN
VENTILATION SYSTEMS

THE BOCA NATIONAL MECHANICAL CODE

CHAPTER 5 - KITCHEN EXHAUST EQUIPMENT

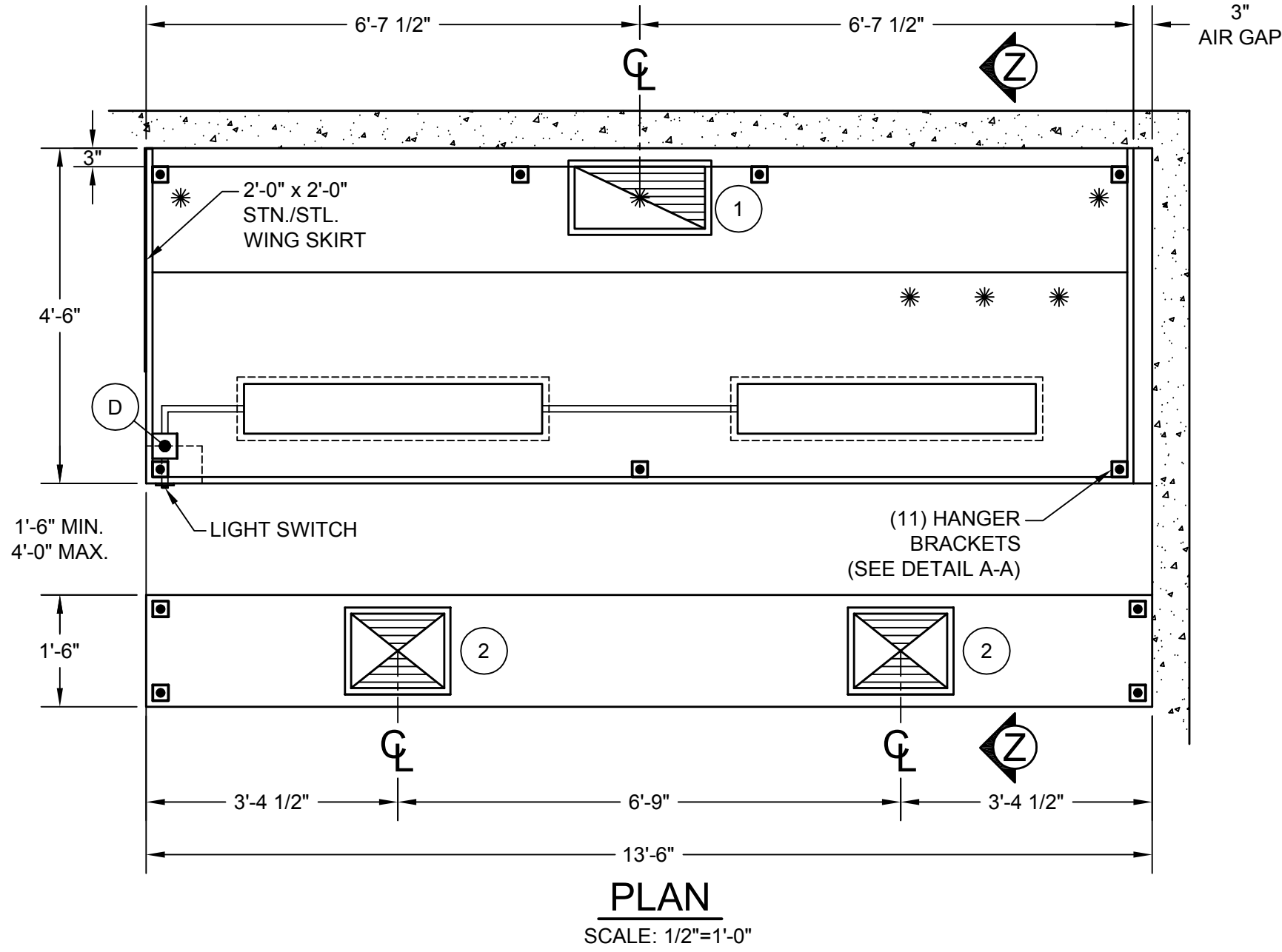
STANDARD MECHANICAL CODE (SBCCI)

SECTION 504 - COMMERCIAL HOODS

UNIFORM BUILDING CODE (ICBO)

INTERNATIONAL MECHANICAL CODE (IMC)

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



NOTE:

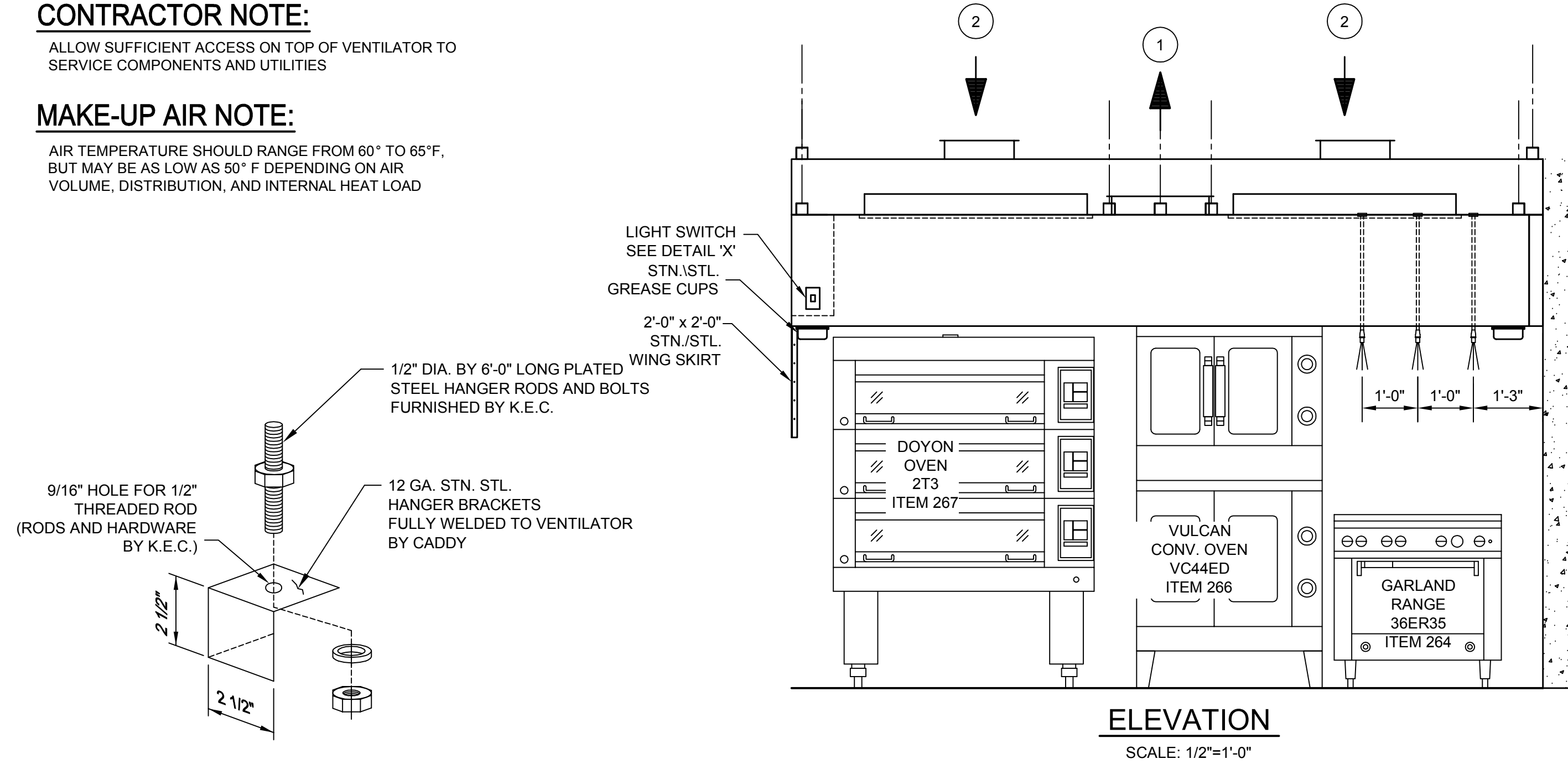
K.E.C. MUST VERIFY THE EXACT DIMENSION OF THE COOKING
EQUIPMENT FROM EITHER THE WALL OR FROM THE FRONT OF THE
HOOD, SO CADDY MAY PROPERLY LOCATE THE FIRE PROTECTION
NOZZLES AT TIME-OF-FABRICATION IN THE FACTORY. IF EQUIPMENT
IS NOT LOCATED AS SHOWN AND THE DRAWING IS APPROVED FOR
FABRICATION, THEN NOZZLES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

CONTRACTOR NOTE:

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

MAKE-UP AIR NOTE:

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



HANGER BRACKET DETAIL A-A

SCALE: 1/4"=1"

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

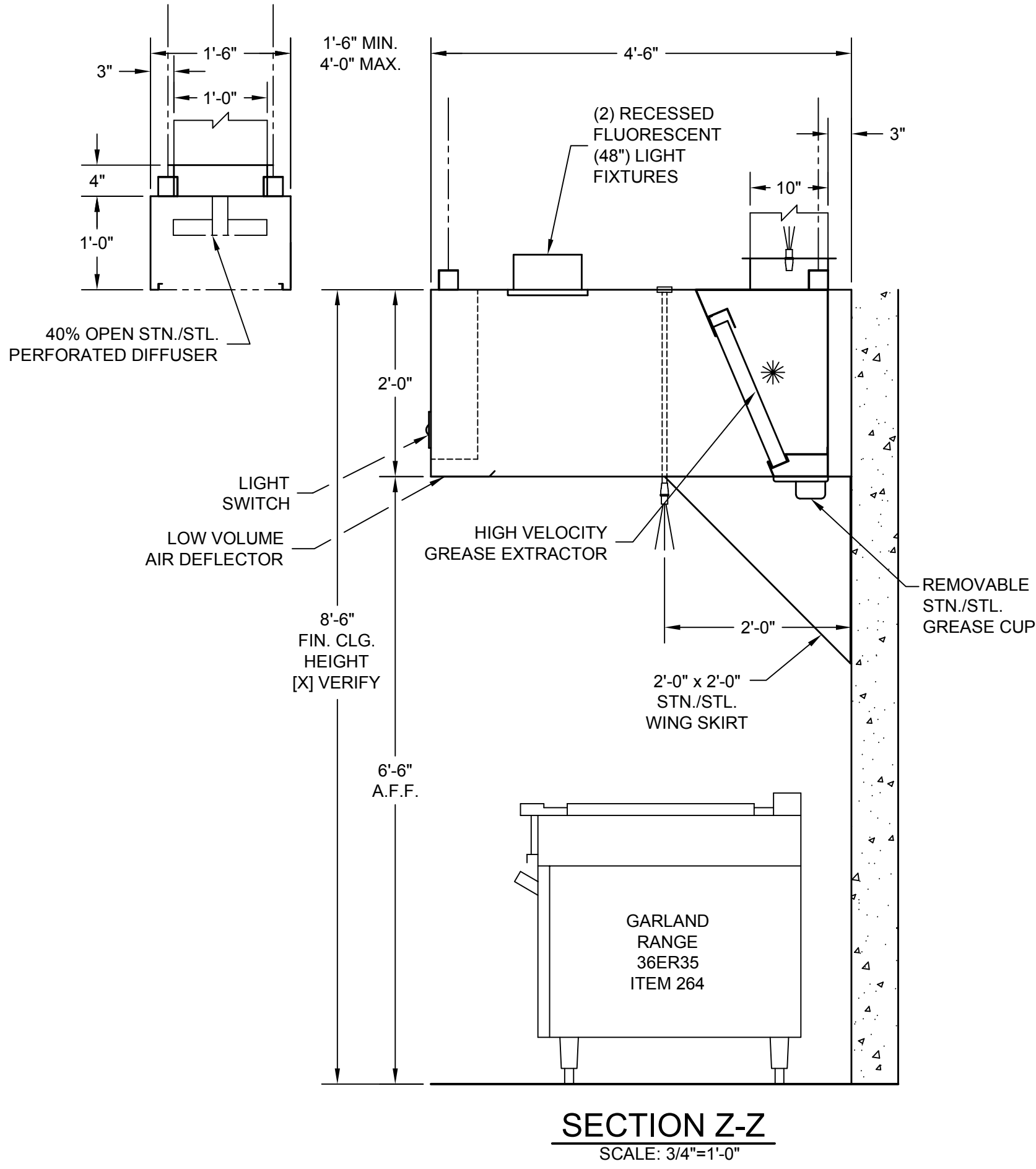
ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR
INTO KITCHEN AREA MAXIMUM VENTILATOR DIMENSIONS
13'-6" LONG x 4'-6" WIDE x 28 1/2" HIGH ESTIMATED TOTAL
HANGING WEIGHT: 1,215 LBS.

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

ELECTRICAL NOTES:

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED
AND WIRED TO 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. LIGHT SWITCH LOCATED ON THE FACE OF VENTILATOR.

NOTE: ANSUL FIRE SUPPRESSION SYSTEM DETAILS FURNISHED FOR INFORMATION
PURPOSES ONLY. CADDY IS RESPONSIBLE FOR FACTORY PRE-PIPING ONLY,
WHICH INCLUDES INTERNAL PLENUM AND DUCT COLLAR PIPING WITH
NOZZLES, FUSIBLE LINK DETECTOR BRACKETS, AND PIPING FOR SURFACE
DROPS. CHROME SURFACE NOZZLE DROPS BY FIRE SUPPRESSION
SYSTEM SUB-CONTRACTOR.



GENERAL NOTES

EXHAUST AIR REQUIREMENTS:

1. EXHAUST C.F.M. BASED ON 160 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 1,500 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.
2. 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.).
2. VENTILATORS ARE NOT TO BE INSTALLED IN AREAS MEANT TO
HANDLE ENVIRONMENTAL AIR.
3. 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.
4. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

CONSTRUCTION:

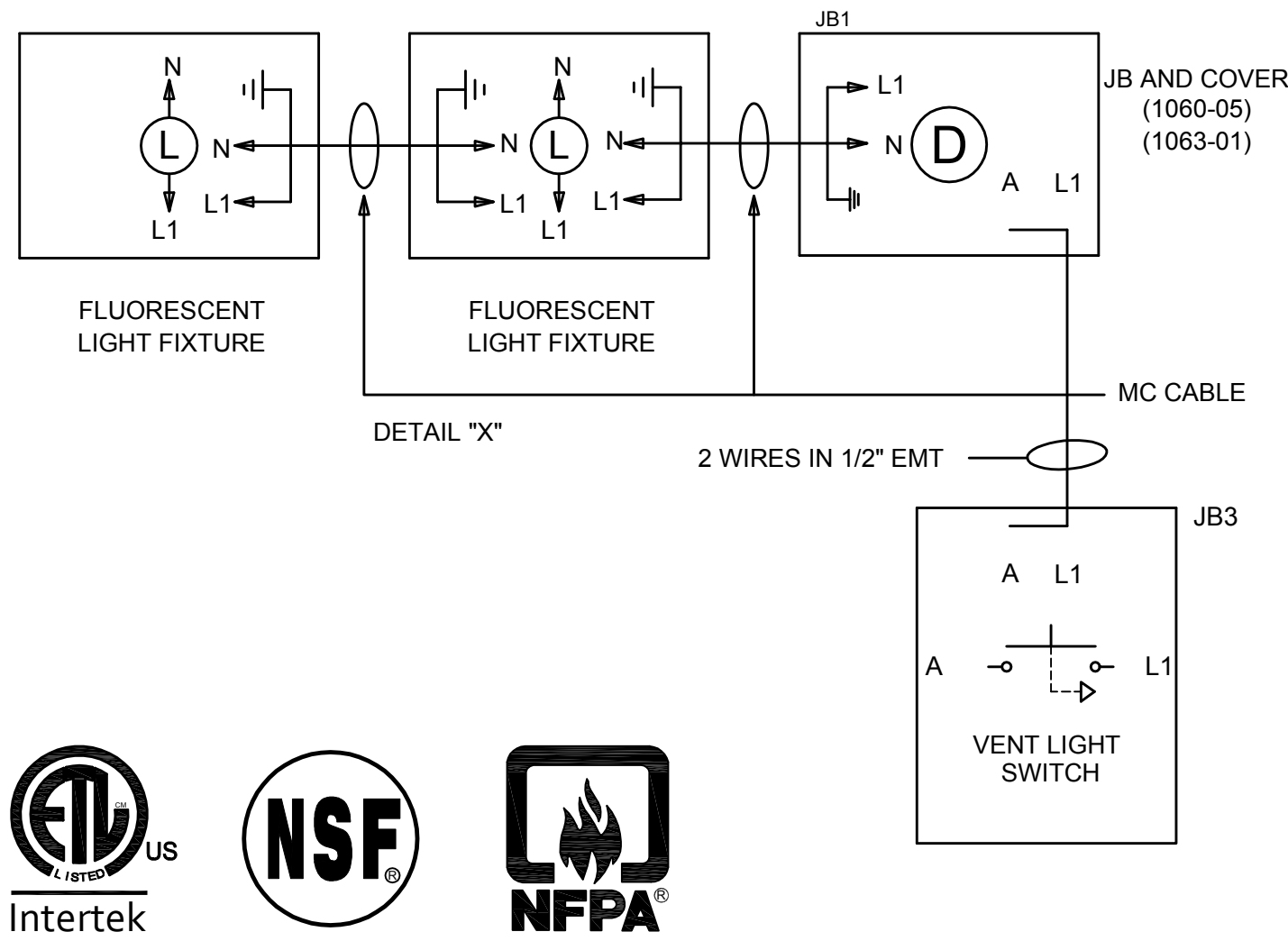
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH
CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL.


FIRE PROTECTION:

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

ELECTRICAL REQUIREMENTS:

1. LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



ROUGH-IN SCHEDULE			REVISIONS				 <div>CADDY CORPORATION 509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Internet: www.caddycorp.com P.O. Box 345 Fax: 856-467-5511</div>
SYM	QTY	DESCRIPTION	REV	DATE	BY	REMARKS	
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD	A	03/12/13	ECC	REVISED PER REQUISITION DATED 02/19/13	
			B	4-26-13	TJC	NO CHANGES	
			C	5-14-13	DRA	NO CHANGES	
			D	02/10/14	DME	REVISED FOR FABRICATION PER *APPROVED AS NOTED DRAWING*	
			E	3-4-14	DRA	NO CHANGES	
			F	03/31/14	SAH	NO CHANGES	
			G	4-29-14	ECC	NO CHANGES	
			H	5-15-14	ECC	NO CHANGES	
			DATE		2/27/13	SCALE	AS NOTED
			DR BY		ECC	APPD BY	<i>BPM</i>
DWG# D-1-19029							

EQUIPMENT SCHEDULE		
SHBC-C-W-159-ND-54 W/ CEILING SUPPLY PLENUM		
CADDY NO.	11383-7	ITEM NO. 263
JOB: LOEWS HOTEL LOC: CHICAGO, IL CUST: TRIMARK MARLINN CUST#: 377400 & .77281		
		SHT 8 OF 17

SHBC-C-W-159-ND-54
W/ CEILING SUPPLY PLENUM

CADDY NO. 11383-7 ITEM NO. 263

JOB: LOEWS HOTEL
LOC: CHICAGO, IL
CUST: TRIMARK MARLINN
CUST#: 377400 & .77281

THE CADDY VENTILATOR TESTING,
LISTING AND APPROVAL REFERENCES:

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

NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"

ETL, INTERTEK

TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR
COMMERCIAL COOKING EQUIPMENT". ETL LISTED UNDER
CONTROL # 3177269

UNIFORM MECHANICAL CODE

SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN
VENTILATION SYSTEMS

THE BOCA NATIONAL MECHANICAL CODE

CHAPTER 5 - KITCHEN EXHAUST EQUIPMENT

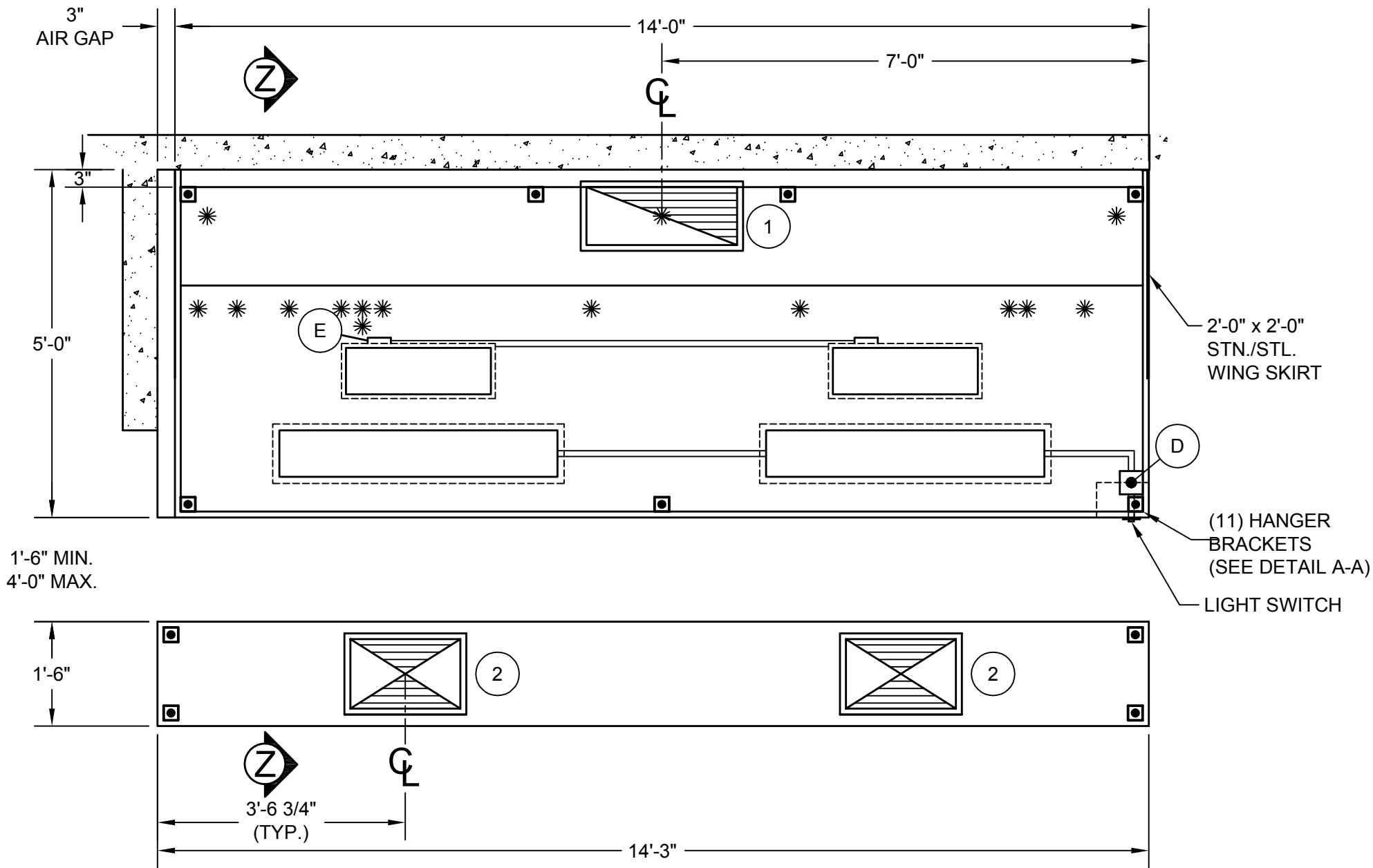
STANDARD MECHANICAL CODE (SBCCI)

SECTION 504 - COMMERCIAL HOODS

UNIFORM BUILDING CODE (ICBO)

INTERNATIONAL MECHANICAL CODE (IMC)

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



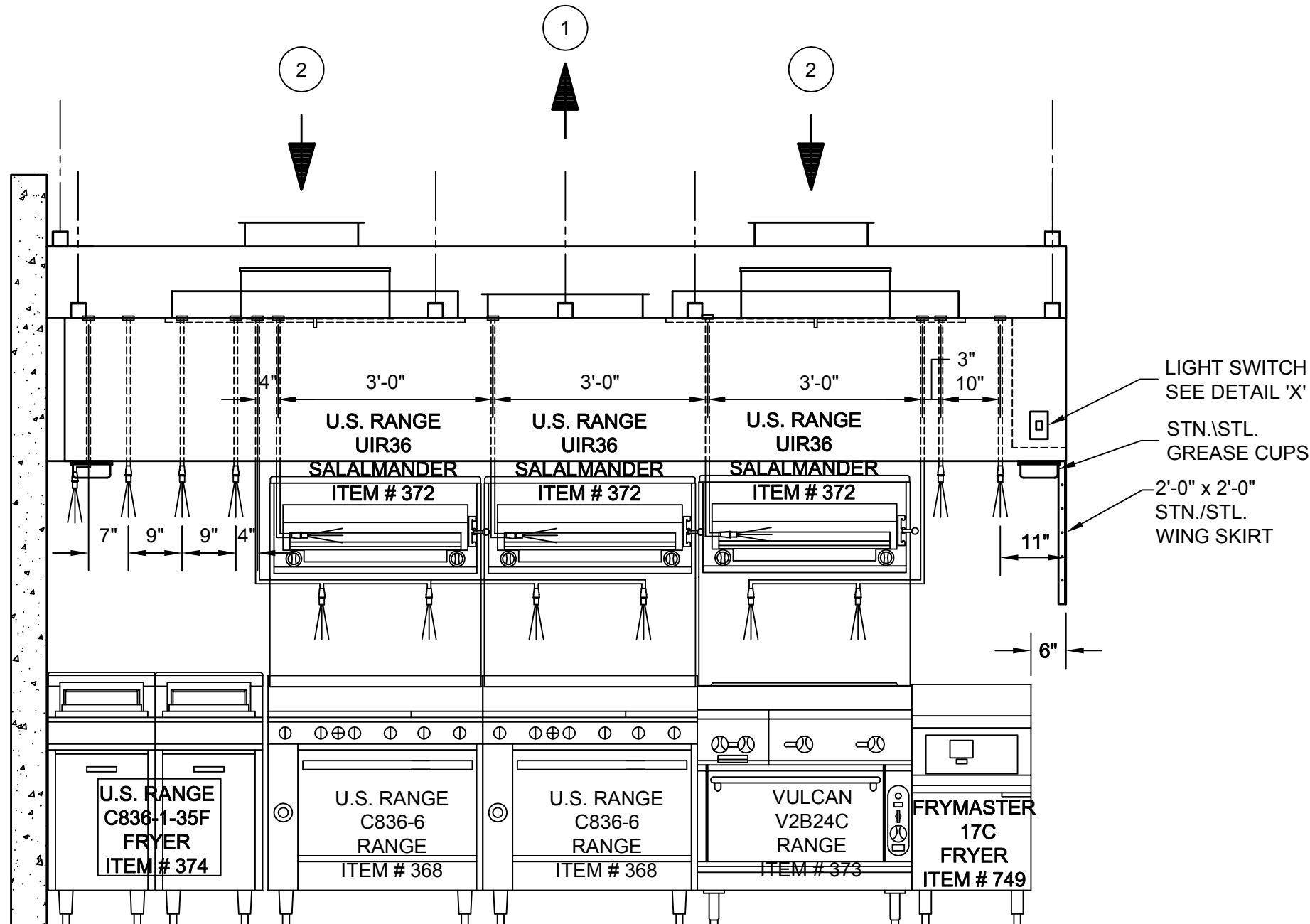
PLAN

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

TOTAL EXHAUST : 3,234 C.F.M.

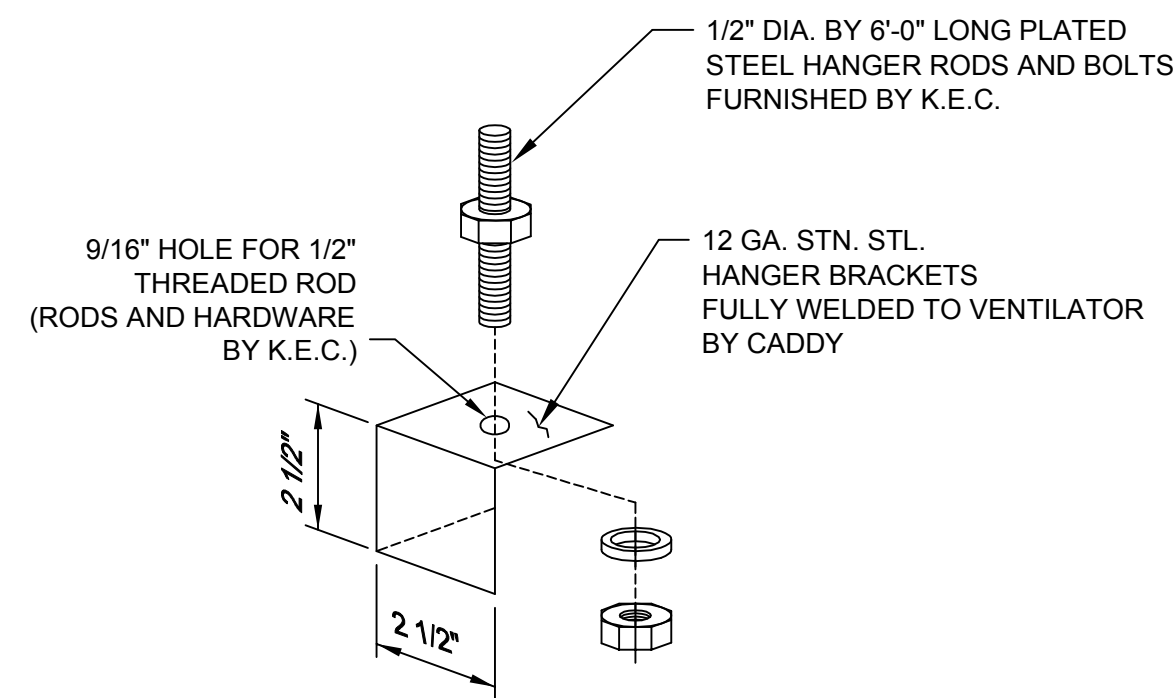
TOTAL SUPPLY : 2,588 C.F.M.

1	10" X 26" EXHAUST DUCT 3,234 C.F.M. @ 1.60" S.P.	2	12" X 19" SUPPLY DUCTS 1,294 C.F.M. EACH @ 0.20" S.P.
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ELEVATION

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



HANGER BRACKET DETAIL A-A

SCALE: 1/4"=1"

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

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

INSTALLATION INFORMATION

ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA MAXIMUM VENTILATOR DIMENSIONS 14'-3" LONG x 5'-0" WIDE x 32 1/2" HIGH ESTIMATED TOTAL HANGING WEIGHT: 1,496 LBS.

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

ELECTRICAL NOTES:

1. LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR TO 120V/1/60 15 AMP SERVICE.
2. LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY. LIGHT SWITCH LOCATED ON THE FACE OF VENTILATOR.
3. UVC LIGHT CONTROL BOX FURNISHED AND INSTALLED BY CADDY. 120V SUPPLY AND INTERLOCK WIRING TO EACH JUNCTION BOX BY ELECTRICAL CONTRACTOR.

NOTE: ANSUL FIRE SUPPRESSION SYSTEM DETAILS FURNISHED FOR INFORMATION PURPOSES ONLY. CADDY IS RESPONSIBLE FOR FACTORY PRE-PIPING ONLY, WHICH INCLUDES INTERNAL PLENUM AND DUCT COLLAR PIPING WITH NOZZLES, FUSIBLE LINK DETECTOR BRACKETS, AND PIPING FOR SURFACE DROPS. CHROME SURFACE NOZZLE DROPS BY FIRE SUPPRESSION SYSTEM SUB-CONTRACTOR.

GENERAL NOTES

EXHAUST AIR REQUIREMENTS:

1. EXHAUST C.F.M. BASED ON 231 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 1,500 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.
2. 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.).
2. VENTILATORS ARE NOT TO BE INSTALLED IN AREAS MEANT TO HANDLE ENVIRONMENTAL AIR.
3. 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.
4. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

CONSTRUCTION:

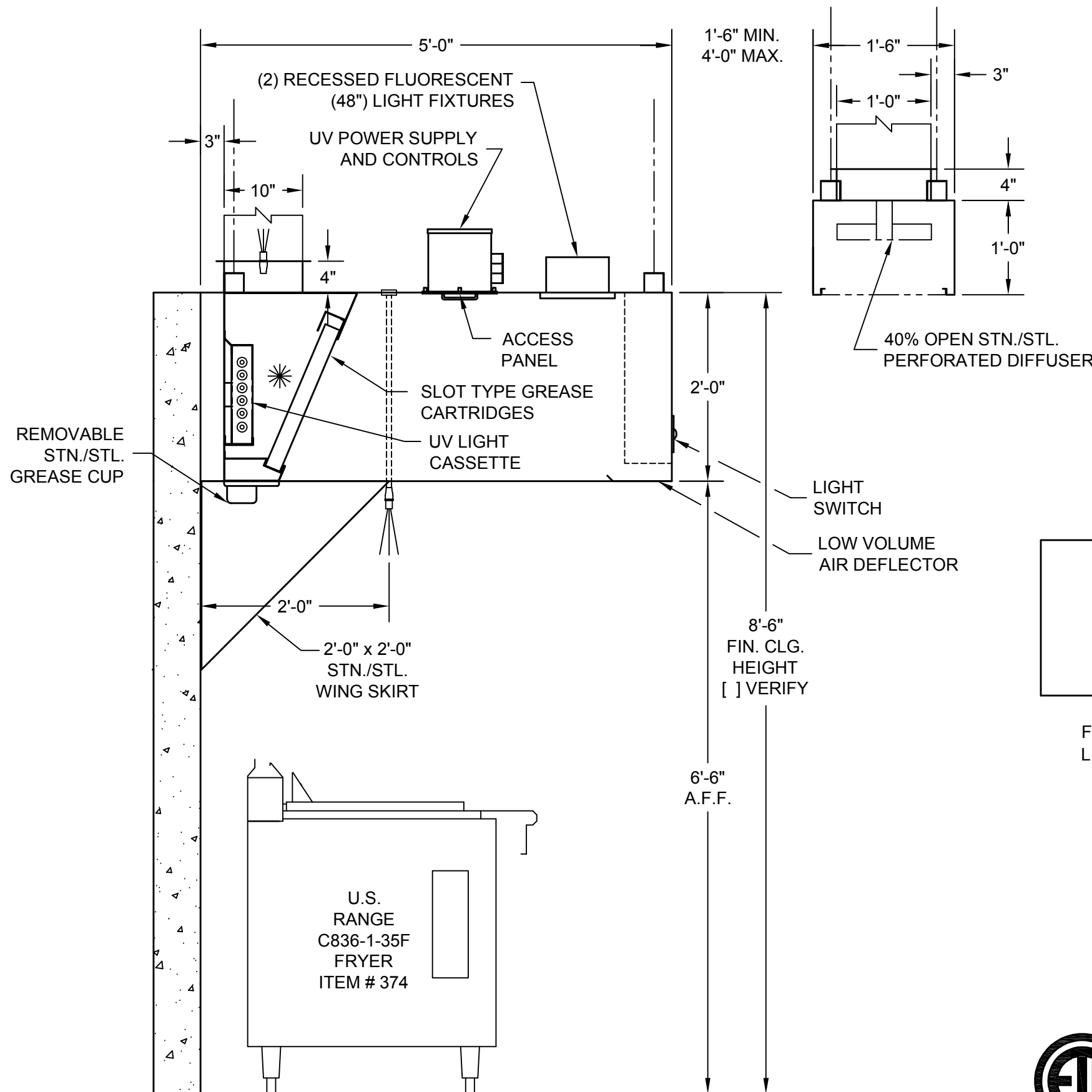
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL.

FIRE PROTECTION:

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

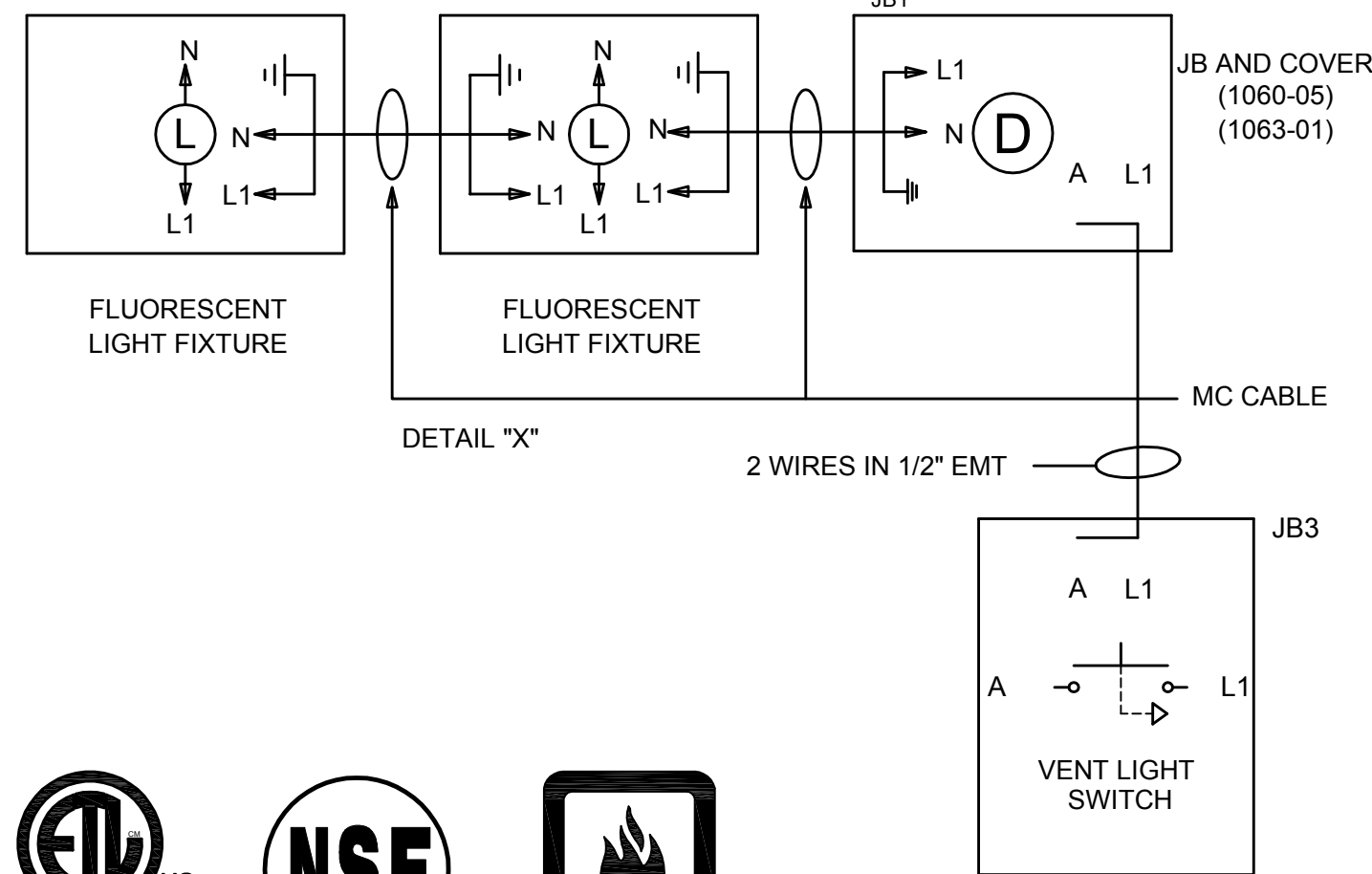
ELECTRICAL REQUIREMENTS:



1. LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



SECTION Z-Z

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



ROUGH-IN SCHEDULE			REVISIONS				 <div>CADDY CORPORATION 509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Internet: www.caddycorp.com</div>	P.O. Box 345 Fax: 856-467-5511	
SYM	QTY	DESCRIPTION	REV	DATE	BY	REMARKS		EQUIPMENT SCHEDULE	
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD	A	03/12/13	ECC	REVISED PER REQUISITION DATED 02/19/13	SHBCU-C-W-168-ND-60 W/ CEILING SUPPLY PLENUM		
			B	4-26-13	TJC	NO CHANGES			
			C	5-14-13	DRA	NO CHANGES			
E	1	120V, 60HZ, 1PH, 1.44 K.W. CONNECTED LOAD	D	02/10/14	DME	NO CHANGES			
			E	3-4-14	DRA	INCREASED LENGTH AND CFM PER NEW EQUIPMENT LAYOUT			
			F	03/31/14	SAH	REPLACED ITEM # 749 AND REVISED ANSUL			
			G	4-29-14	ECC	REVISED FOR FABRICATION			
			H	5-15-14	ECC	MODIFIED EQUIPMENT			
			DATE		2/27/13		SCALE	AS NOTED	
			DR BY		ECC		APP'D BY		
DWG# D-1-19029								SHT 9 OF 17	

THE CADDY VENTILATOR TESTING,
LISTING AND APPROVAL REFERENCES:

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

NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"

ETL, INTERTEK

TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR
COMMERCIAL COOKING EQUIPMENT". ETL LISTED UNDER
CONTROL # 3177269

UNIFORM MECHANICAL CODE

SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN
VENTILATION SYSTEMS

THE BOCA NATIONAL MECHANICAL CODE

CHAPTER 5 - KITCHEN EXHAUST EQUIPMENT

STANDARD MECHANICAL CODE (SBCCI)

SECTION 504 - COMMERCIAL HOODS

UNIFORM BUILDING CODE (ICBO)

INTERNATIONAL MECHANICAL CODE (IMC)

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

NOTE:

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

CONTRACTOR NOTE:

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

MAKE-UP AIR NOTE:

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

HANGER BRACKET DETAIL A-A

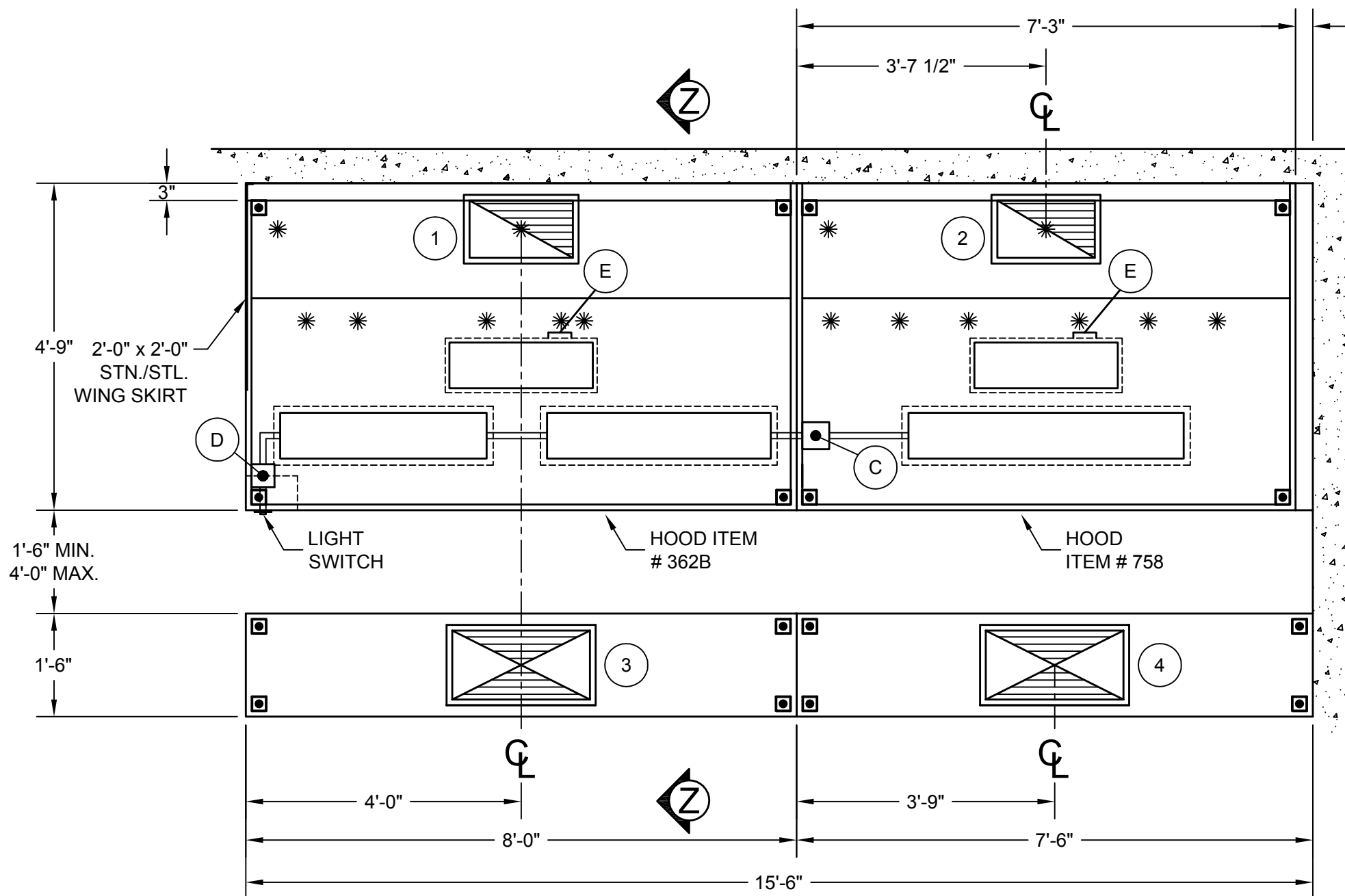
SCALE: 1/4"=1"

GENERAL CONTRACT CONDITIONS

ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH
STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INSOFAR AS APPLICABLE,
AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES
NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL
CODES THAT ADD OR 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.

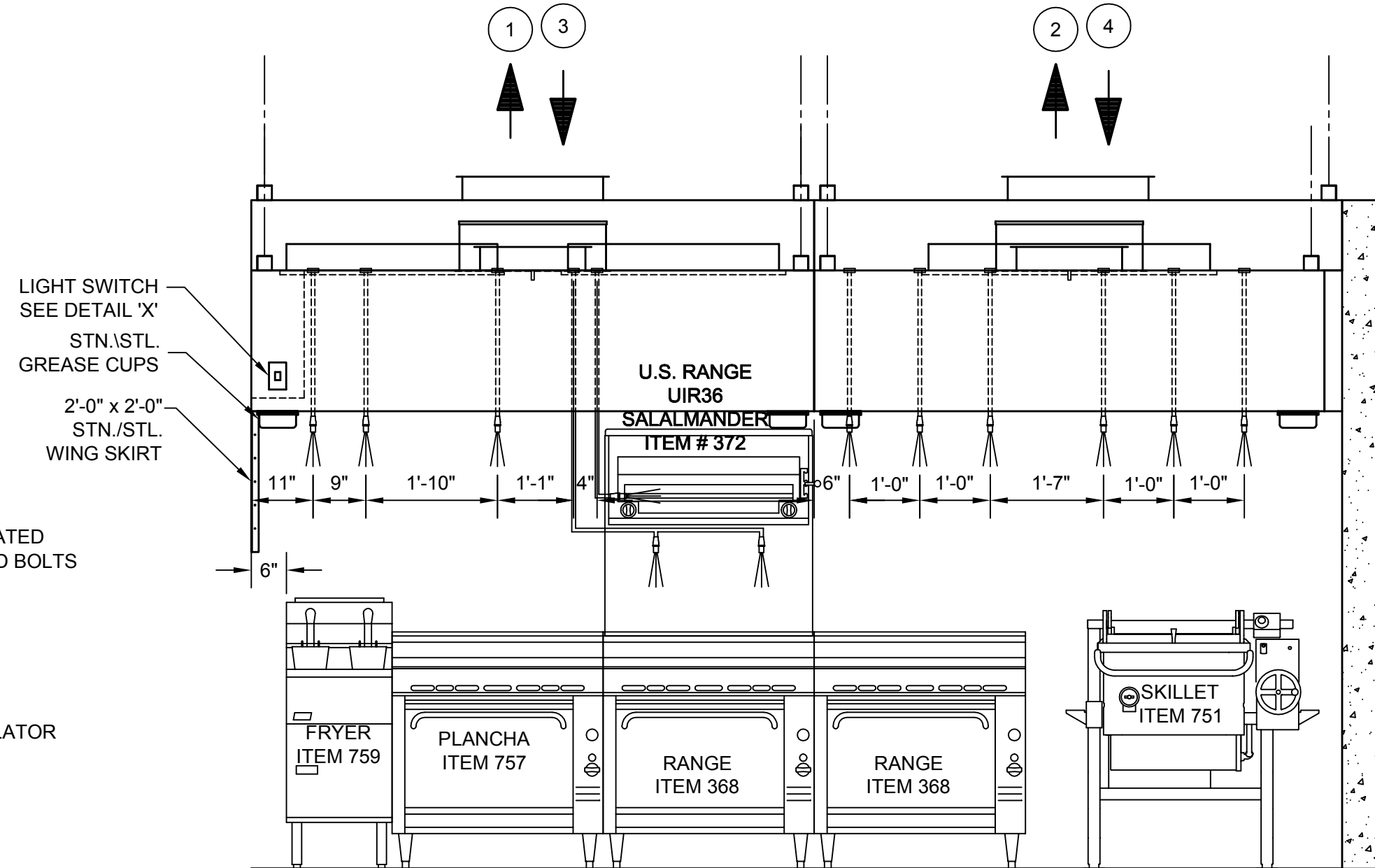
ALL WIRING AND PLUMBING AT THE JOB SITE IS THE RESPONSIBILITY OF OTHERS. EQUIPMENT WILL
BE CONSTRUCTED IN ACCORDANCE WITH OUR DRAWING(S) WHICH MUST BE APPROVED PRIOR TO
FABRICATION. ANY SUBSEQUENT CHANGES REQUIRED MUST BE SUBMITTED TO US IN WRITING AND
ACKNOWLEDGED ON OUR STANDARD FORM.



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

TOTAL EXHAUST : 3,660 C.F.M.
TOTAL SUPPLY : 2,928 C.F.M.

① 10" X 18" EXHAUST DUCT 1,920 C.F.M. @ 1.60" S.P.	③ 12" X 24" SUPPLY DUCT 1,536 C.F.M. @ 0.20" S.P.
② 10" X 17" EXHAUST DUCT 1,740 C.F.M. @ 1.60" S.P.	④ 12" X 24" SUPPLY DUCT 1,392 C.F.M. @ 0.20" S.P.



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

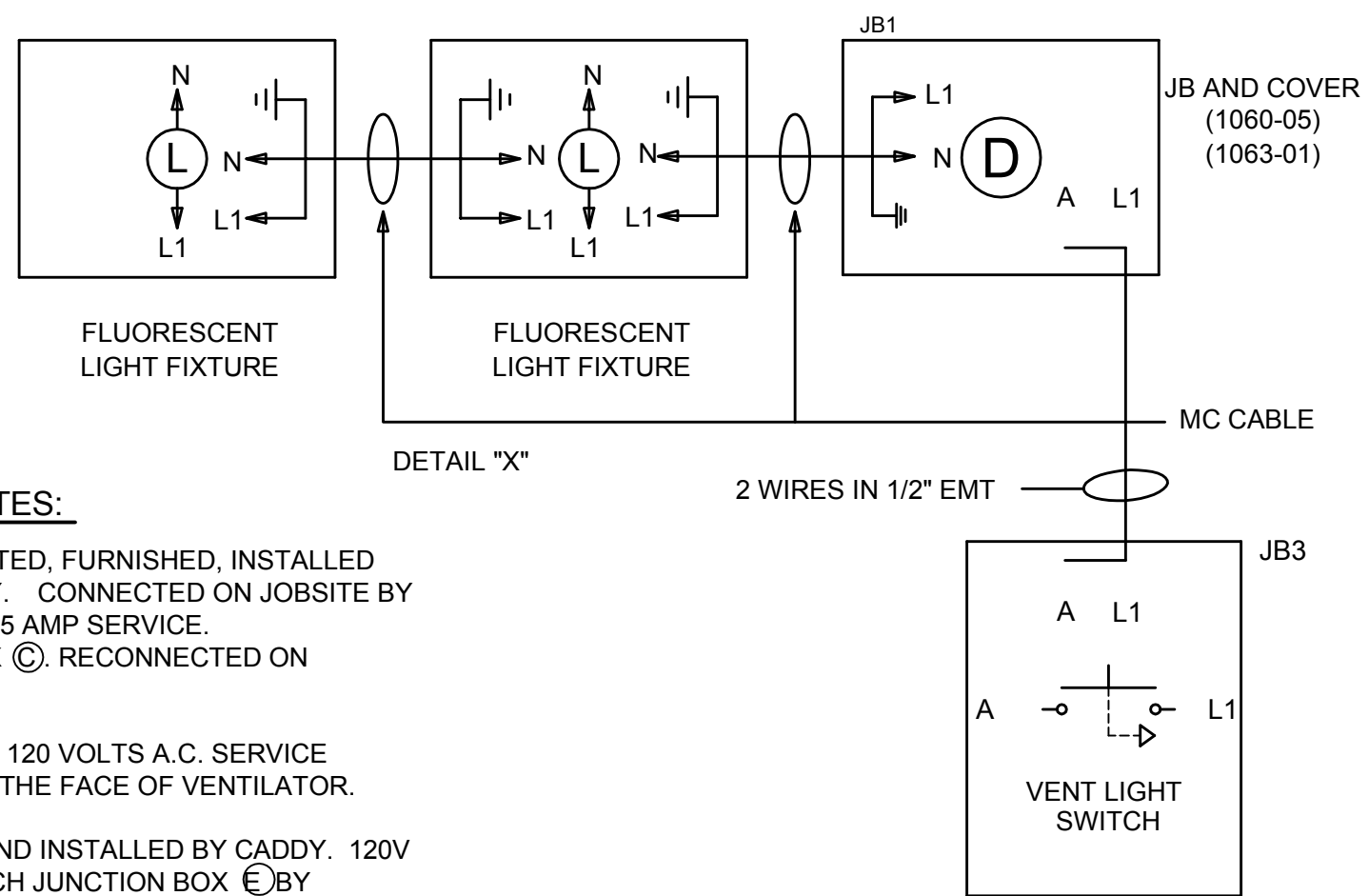
K.E.C. TO VERIFY ALL MAKES AND MODELS OF
COOKING EQUIPMENT, REVIEW PLAN FOR PROPER
LINE-UP PRIOR TO FABRICATION OF VENTILATORS,
AND TO NOTIFY CADDY OF ANY CHANGES.

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

INSTALLATION INFORMATION

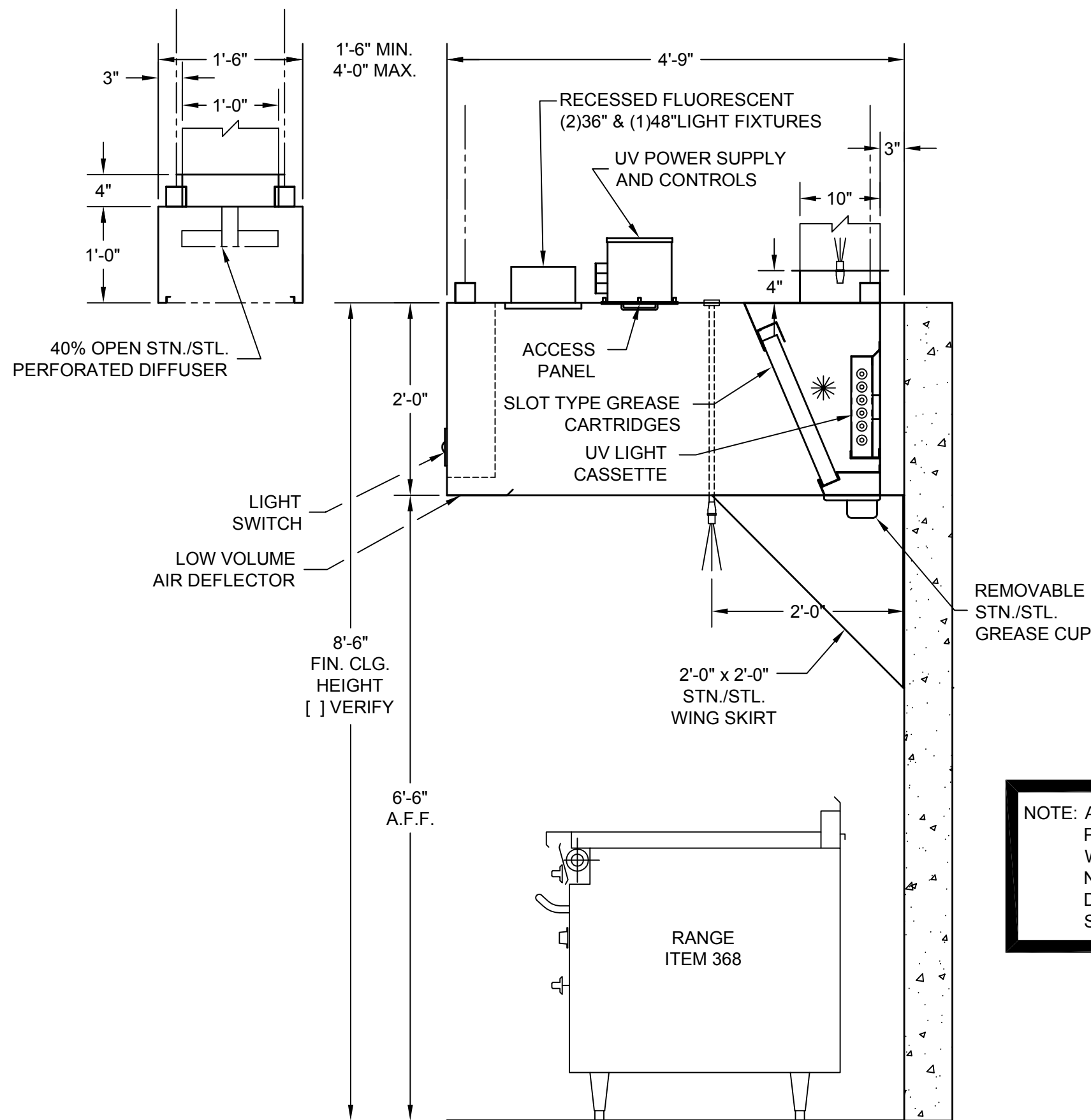
ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR
INTO KITCHEN AREA MAXIMUM VENTILATOR DIMENSIONS
8'-0" LONG x 4'-9" WIDE x 32 1/2" HIGH ESTIMATED TOTAL
HANGING WEIGHT: 1,628 LBS.

VENTILATOR TO BE SHIPPED IN (4) 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 LIGHT SWITCH BY CADDY. CONNECTED ON JOBSITE BY
ELECTRICAL CONTRACTOR TO 120/1/60 15 AMP SERVICE.
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. LIGHT SWITCH LOCATED ON THE FACE OF VENTILATOR.
3. UVC LIGHT CONTROL BOX FURNISHED AND INSTALLED BY CADDY. 120V
SUPPLY AND INTERLOCK WIRING TO EACH JUNCTION BOX © BY
ELECTRICAL CONTRACTOR.



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

GENERAL NOTES

EXHAUST AIR REQUIREMENTS:

1. EXHAUST C.F.M. BASED ON 240 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 1,500 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.
2. 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.).
2. VENTILATORS ARE NOT TO BE INSTALLED IN AREAS MEANT TO
HANDLE ENVIRONMENTAL AIR.
3. 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.
4. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

CONSTRUCTION:

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

FIRE PROTECTION:

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

ELECTRICAL REQUIREMENTS:

1. LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.

NOTE: ANSUL FIRE SUPPRESSION SYSTEM DETAILS FURNISHED FOR INFORMATION
PURPOSES ONLY. CADDY IS RESPONSIBLE FOR FACTORY PRE-PIPING ONLY,
WHICH INCLUDES INTERNAL PLENUM AND DUCT COLLAR PIPING WITH
NOZZLES, FUSIBLE LINK DETECTOR BRACKETS, AND PIPING FOR SURFACE
DROPS. CHROME SURFACE NOZZLE DROPS BY FIRE SUPPRESSION
SYSTEM SUB-CONTRACTOR.



ROUGH-IN SCHEDULE			REVISIONS		REMARKS	DATE	BY	SCALE	AS NOTED	DWG# D-1-19029	SHT 10 OF 17
SYM	QTY	DESCRIPTION	REV	DATE							
D	1	120V, 60HZ, 1PH, 0.24 K.W. CONNECTED LOAD	A	03/12/13	ECC	REVISED PER REQUISITION DATED 02/19/13					
E	2	120V, 60HZ, 1PH, 0.72 K.W. CONNECTED LOAD	B	4-26-13	TJC	NO CHANGES					
			C	5-14-13	DRA	NO CHANGES					
			D	02/19/14	DRA	ADDED HOOD ITEM # 758					
			E	3-4-14	DRA	ADDED SALAMANDER ABOVE RANGE					
			F	03/31/14	SAH	NO CHANGES					
			G	4-29-14	ECC	REVISED FOR FABRICATION					
			H	5-15-14	ECC	NO CHANGES					
			DATE		2/27/13	SCALE		AS NOTED			
			DR BY		ECC	APPD BY		BPM			

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

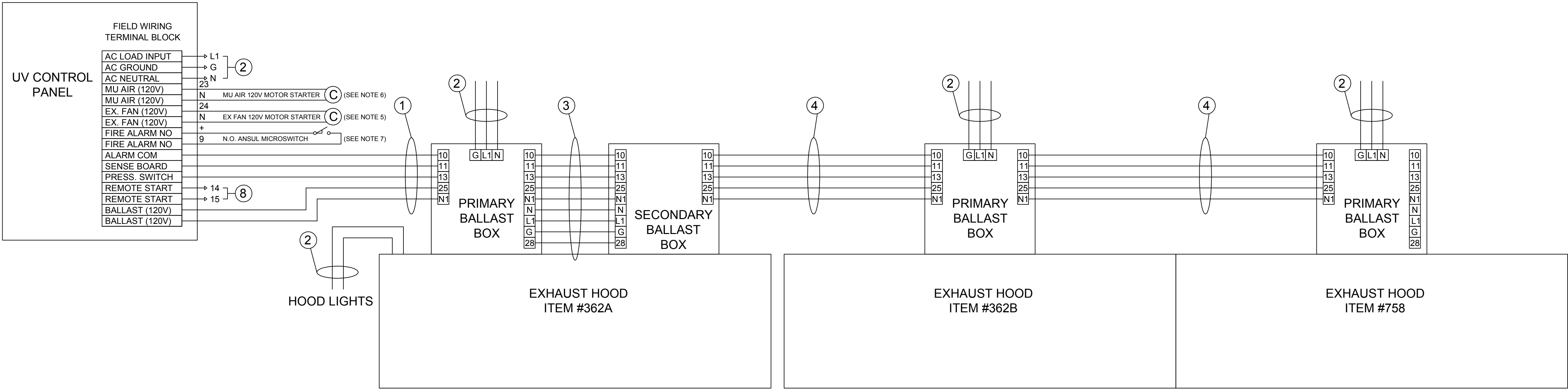
EQUIPMENT SCHEDULE

SHBCU-C-W-96-ND-57
SHBCU-C-W-87-ND-57
W/ CEILING SUPPLY PLENUM

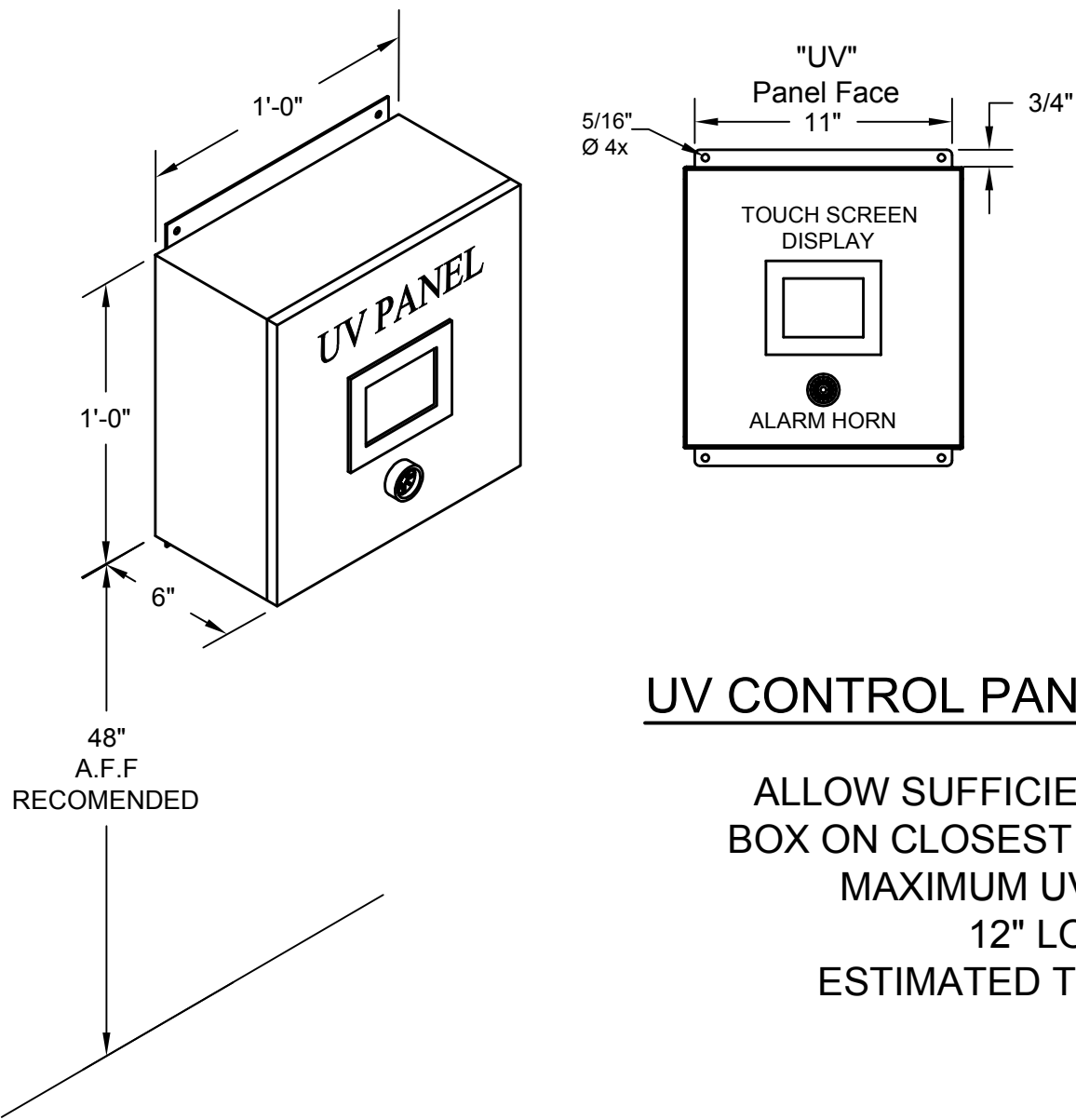
CADDY NO. 11383-9+EE ITEM NO. 362B/758

JOB: LOEWS HOTEL
LOC: CHICAGO, IL
CUST: TRIMARK MARLINN
CUST#: 377400 & .77281

CADDY ULTRA SERIES HOOD SYSTEM
FIELD WIRING DIAGRAM



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




UV CONTROL PANEL INSTALLATION INFORMATION

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

GENERAL CONTRACT CONDITIONS

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.



REVISIONS				 <div>CADDY CORPORATION 509 Sherptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Internet: www.caddycorp.com P.O. Box 345 Fax: 856-467-5511</div>	
REV	DATE	BY	REMARKS		
A	03/12/13	ECC	REVISED PER REQUISITION DATED 02/19/13	<div>EQUIPMENT SCHEDULE</div> <div>CPE-U</div>	
B	4-26-13	TJC	NO CHANGES		
C	5-14-13	DRA	NO CHANGES		
D	02/19/14	DRA	ADDED HOOD ITEM # 758		
E	3-4-14	DRA	NO CHANGES		
F	03/31/14	SAH	NO CHANGES	<div>CADDY NO. 11383-A ITEM NO. 364</div> <div>JOB: LOEWS HOTEL LOC: CHICAGO, IL CUST: TRIMARK MARLINN CUST#: 377400 & .77281</div>	
G	4-29-14	ECC	REVISED FOR FABRICATION		
H	5-15-14	ECC	NO CHANGES		
DATE		2/27/13	SCALE	AS NOTED	
DR BY		ECC	APP'D BY <i>BFW</i>		DWG# D-1-19029
					SHT 11 OF 17

THE CADDY VENTILATOR TESTING,
LISTING AND APPROVAL REFERENCES:

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

NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"

ETL, INTERTEK

TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR
COMMERCIAL COOKING EQUIPMENT". ETL LISTED UNDER
CONTROL # 3177269

UNIFORM MECHANICAL CODE

SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN
VENTILATION SYSTEMS

THE BOCA NATIONAL MECHANICAL CODE

CHAPTER 5 - KITCHEN EXHAUST EQUIPMENT

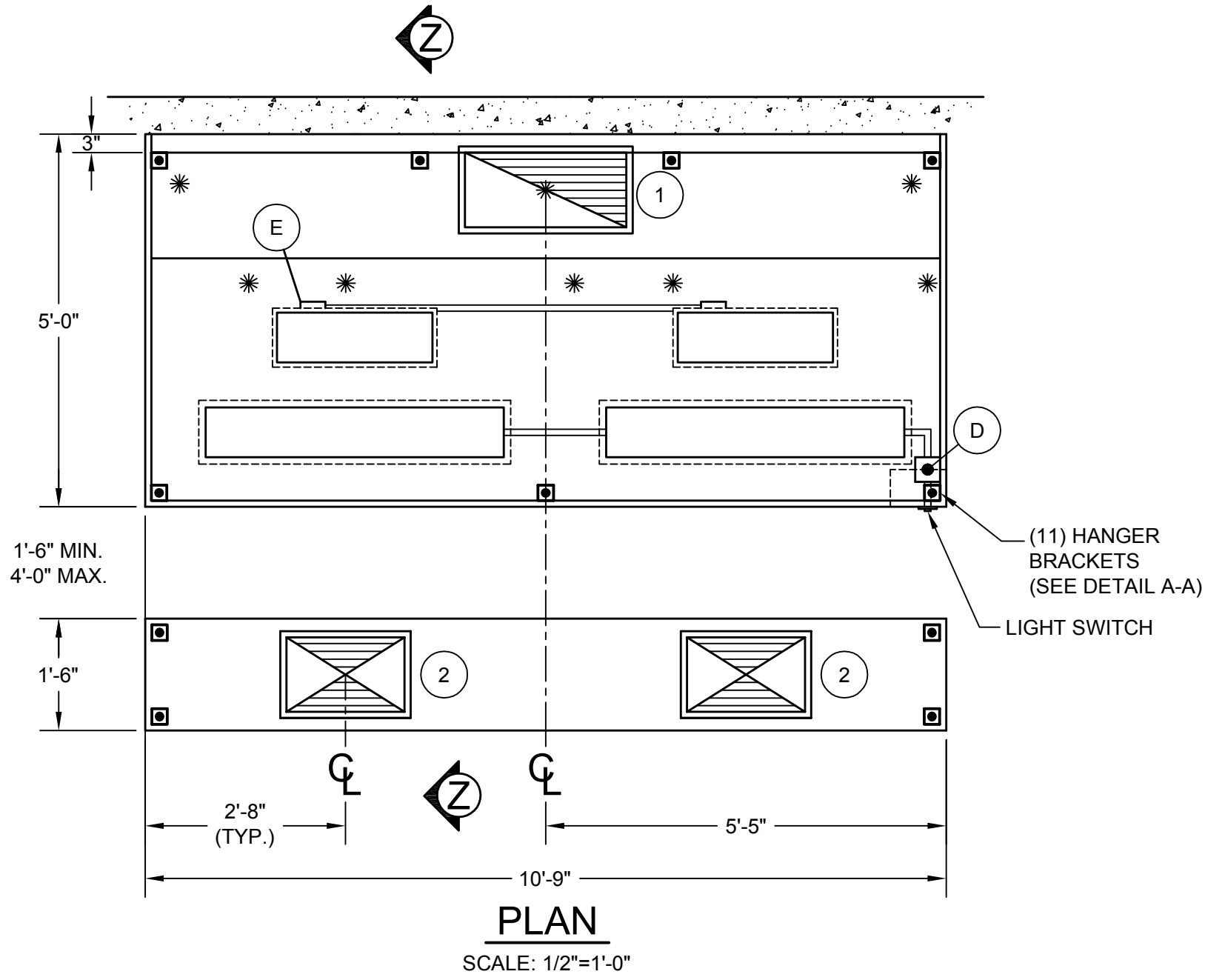
STANDARD MECHANICAL CODE (SBCCI)

SECTION 504 - COMMERCIAL HOODS

UNIFORM BUILDING CODE (ICBO)

INTERNATIONAL MECHANICAL CODE (IMC)

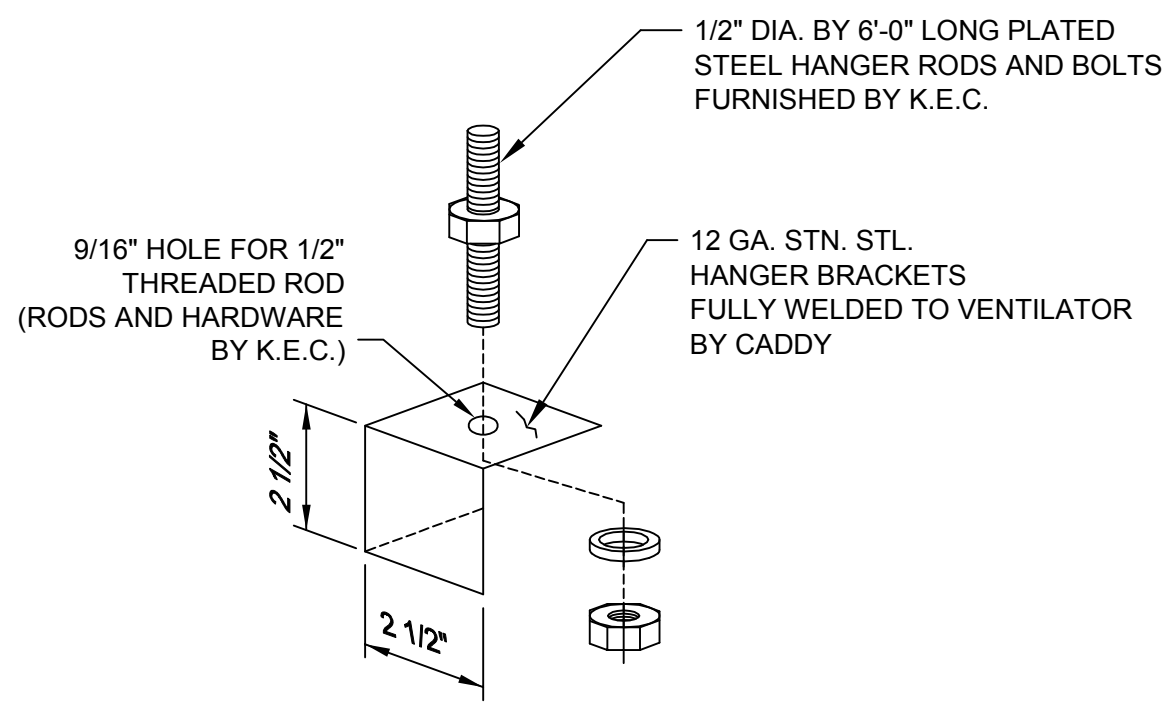
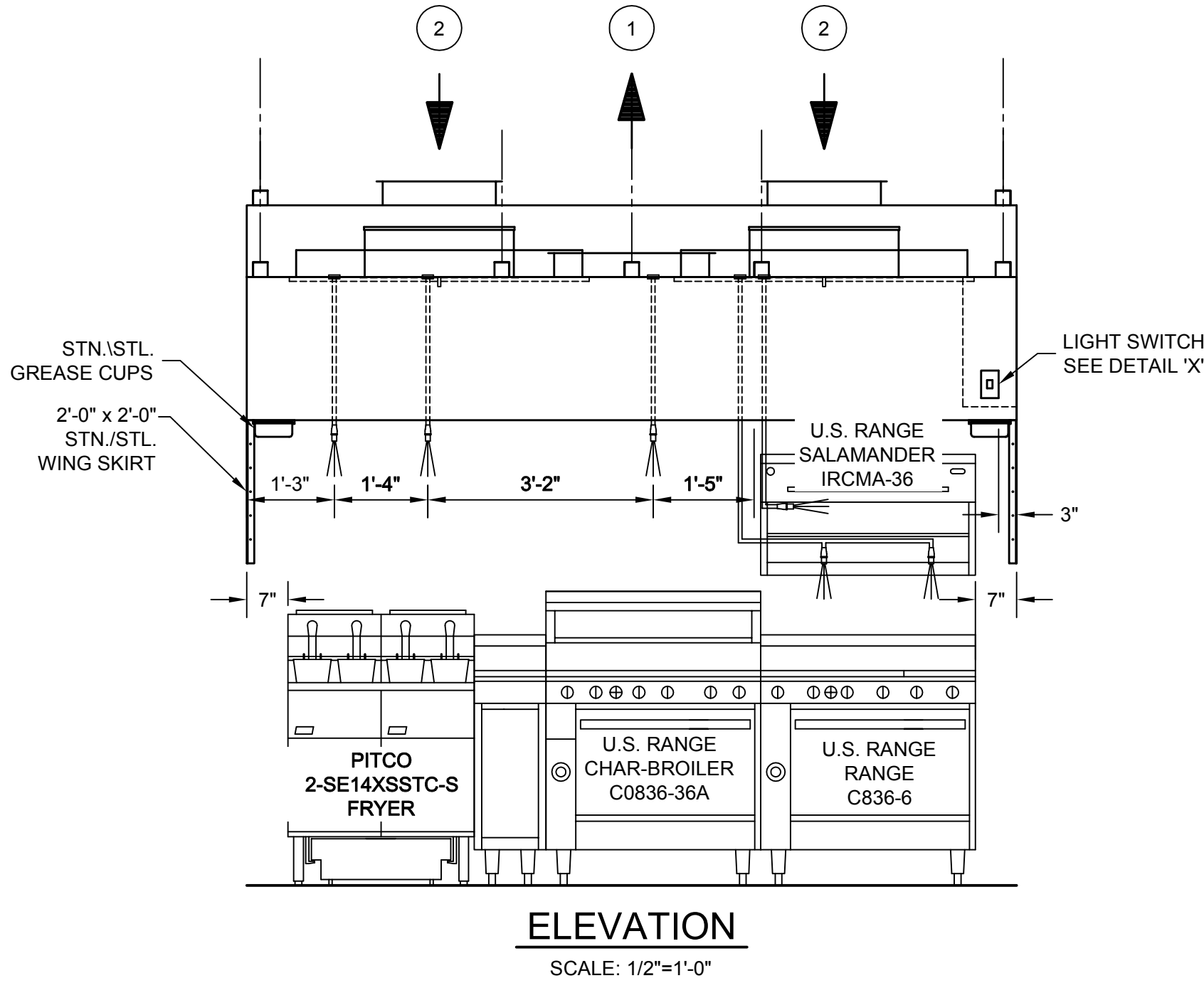
SECTION 507 - COMMERCIAL KITCHEN HOODS
EXCLUDES CODE #507.2.1.1, CONSULT FACTORY
FOR COMPLIANCE OPTIONS.



TOTAL EXHAUST : 3,225 C.F.M.

TOTAL SUPPLY : 2,580 C.F.M.

1	12" X 26" EXHAUST DUCT 3,225 C.F.M. @ 1.60" S.P.
2	12" X 19" SUPPLY DUCTS 1,290 C.F.M. EACH @ 0.20" S.P.



HANGER BRACKET DETAIL A-A

SCALE: 1/4"=1"

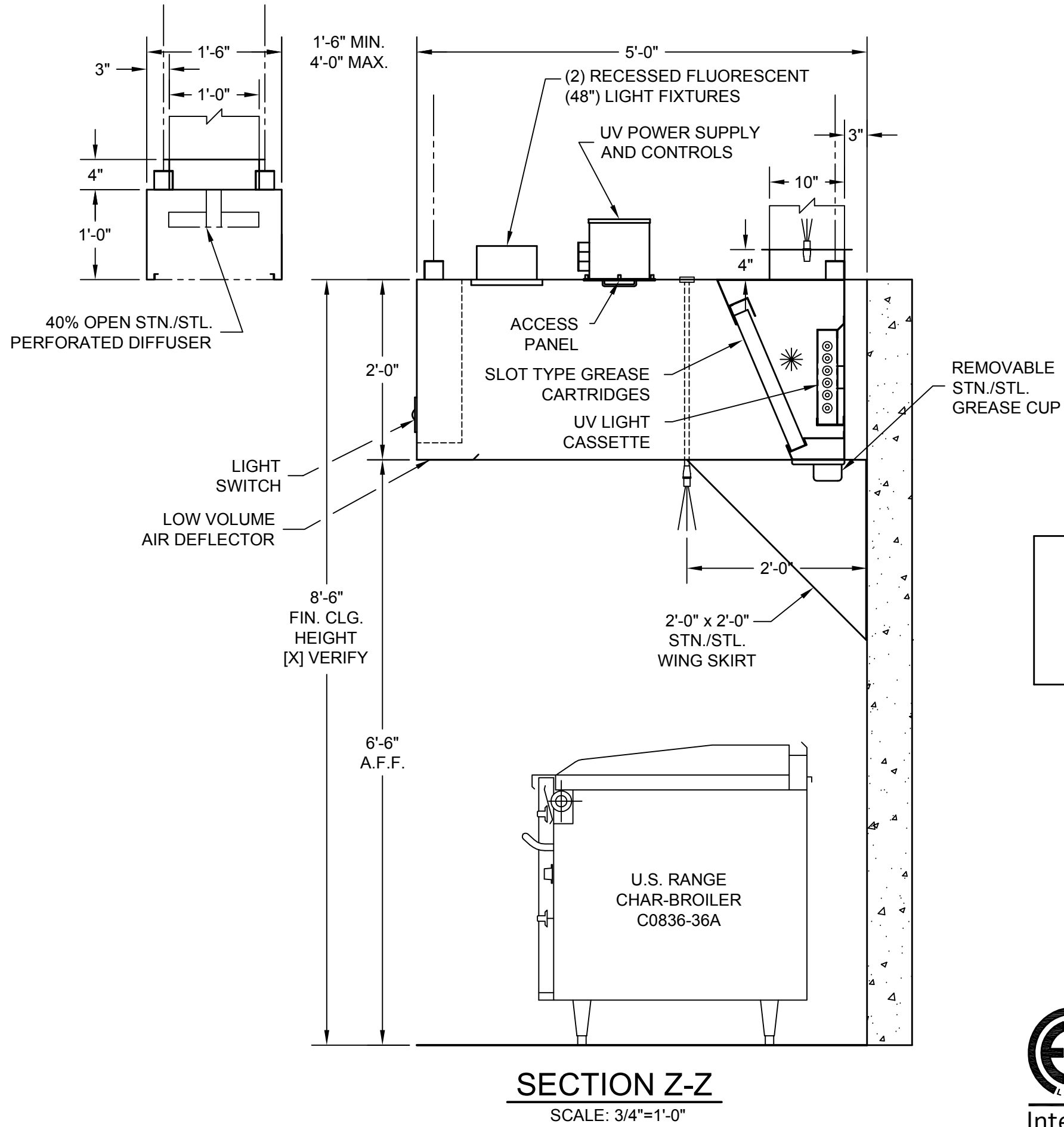
GENERAL CONTRACT CONDITIONS

ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INsofar AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL CODES THAT ADD OR 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:

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. LIGHT SWITCH LOCATED ON THE FACE OF VENTILATOR.

NOTE: ANSUL FIRE SUPPRESSION SYSTEM DETAILS FURNISHED FOR INFORMATION PURPOSES ONLY. CADDY IS RESPONSIBLE FOR FACTORY PRE-PIPING ONLY, WHICH INCLUDES INTERNAL PLENUM AND DUCT COLLAR PIPING WITH NOZZLES, FUSIBLE LINK DETECTOR BRACKETS, AND PIPING FOR SURFACE DROPS. CHROME SURFACE NOZZLE DROPS BY FIRE SUPPRESSION SYSTEM SUB-CONTRACTOR.



GENERAL NOTES

EXHAUST AIR REQUIREMENTS:

1. EXHAUST C.F.M. BASED ON 300 C.F.M. PER LINEAR FOOT.
2. EXHAUST STATIC PRESSURE IS 1.60" W.G. AT DUCT TAKE-OFF COLLAR. TOTAL DUCT STATIC MUST BE ADDED. STATIC BASED ON OPERATION AT MEAN SEA LEVEL.
3. DUCT SIZE BASED ON 1,500 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.
2. 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.).
2. VENTILATORS ARE NOT TO BE INSTALLED IN AREAS MEANT TO HANDLE ENVIRONMENTAL AIR.
3. 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.
4. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

CONSTRUCTION:

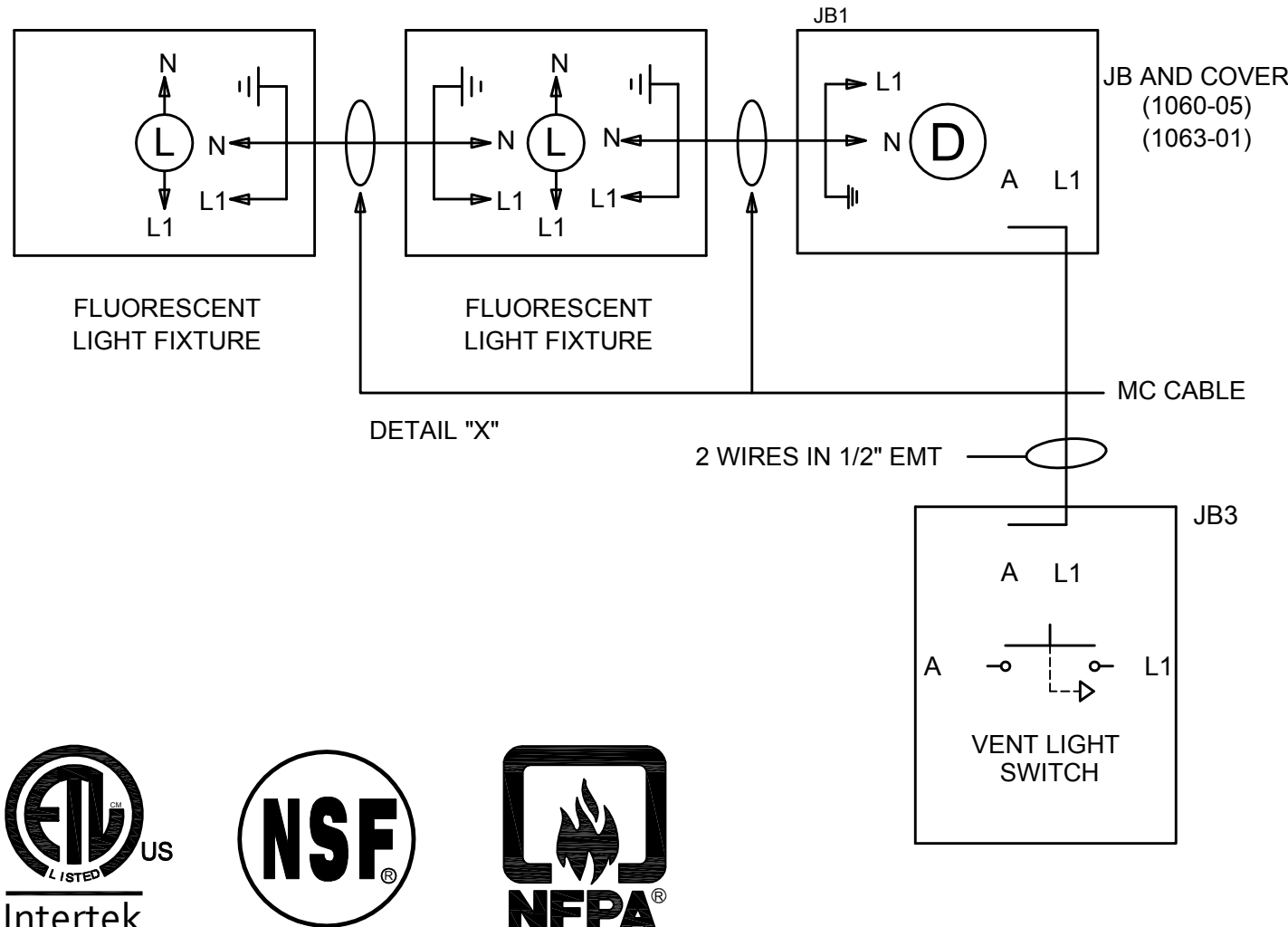
1. VENTILATORS TO BE MANUFACTURED IN STRICT ACCORDANCE WITH CADDY SPECIFICATIONS.
2. VENTILATORS CONSTRUCTED OF 18 GA. STAINLESS STEEL.

FIRE PROTECTION:

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

ELECTRICAL REQUIREMENTS:

1. LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.



ROUGH-IN SCHEDULE

SYM	QTY	DESCRIPTION
D	1	120V, 60HZ, 1PH, 0.16 K.W. CONNECTED LOAD
E	1	120V, 60HZ, 1PH, 1.44 K.W. CONNECTED LOAD

REVISIONS

REV	DATE	BY	REMARKS
A	03/12/13	ECC	REVISED PER REQUISITION DATED 02/19/13
B	4-26-13	TJC	NO CHANGES
C	5-14-13	DRA	ADDED HOOD ITEM # 524
D	02/10/14	DME	REVISED FOR FABRICATION PER *APPROVED AS NOTED DRAWING*
E	3-4-14	DRA	NO CHANGES
F	03/31/14	SAH	NO CHANGES
G	4-29-14	ECC	NO CHANGES
H	5-15-14	ECC	NO CHANGES

DATE 2/27/13

DR BY ECC

SCALE AS NOTED

APPD BY BJB

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

EQUIPMENT SCHEDULE

SHBC-C-W-129-ND-60
W/ CEILING SUPPLY PLENUM

CADDY NO. 11383-C ITEM NO. 524

JOB: LOEWS HOTEL
LOC: CHICAGO, IL
CUST: TRIMARK MARLINN
CUST#: 377400 & .77281

DWG# D-1-19029

SHT 12
OF 17

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.

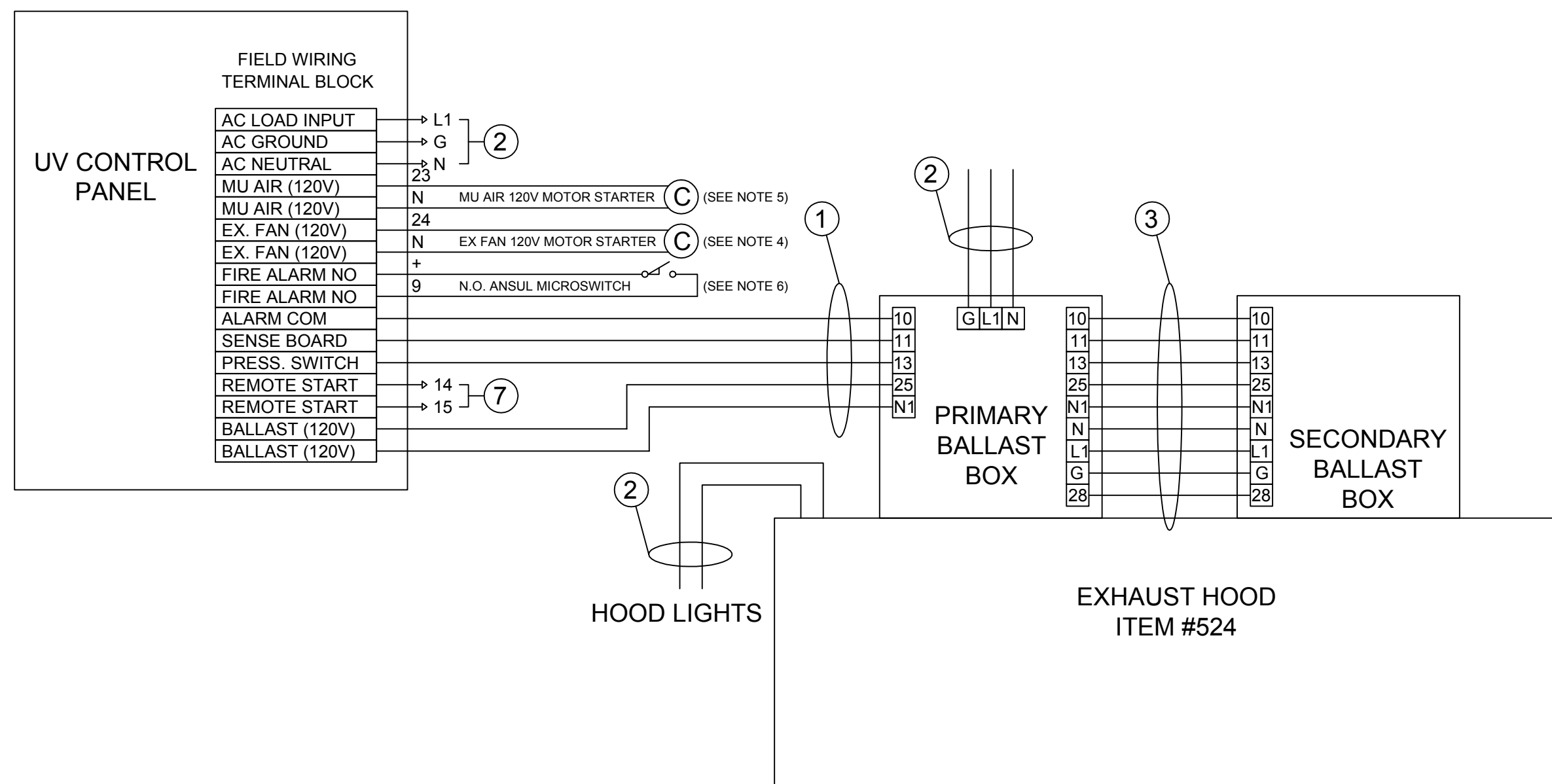
* - MINIMUM OVERHANG FROM EDGE OF COOKING EQUIPMENT TO END OF HOOD MUST BE 6"

INSTALLATION INFORMATION

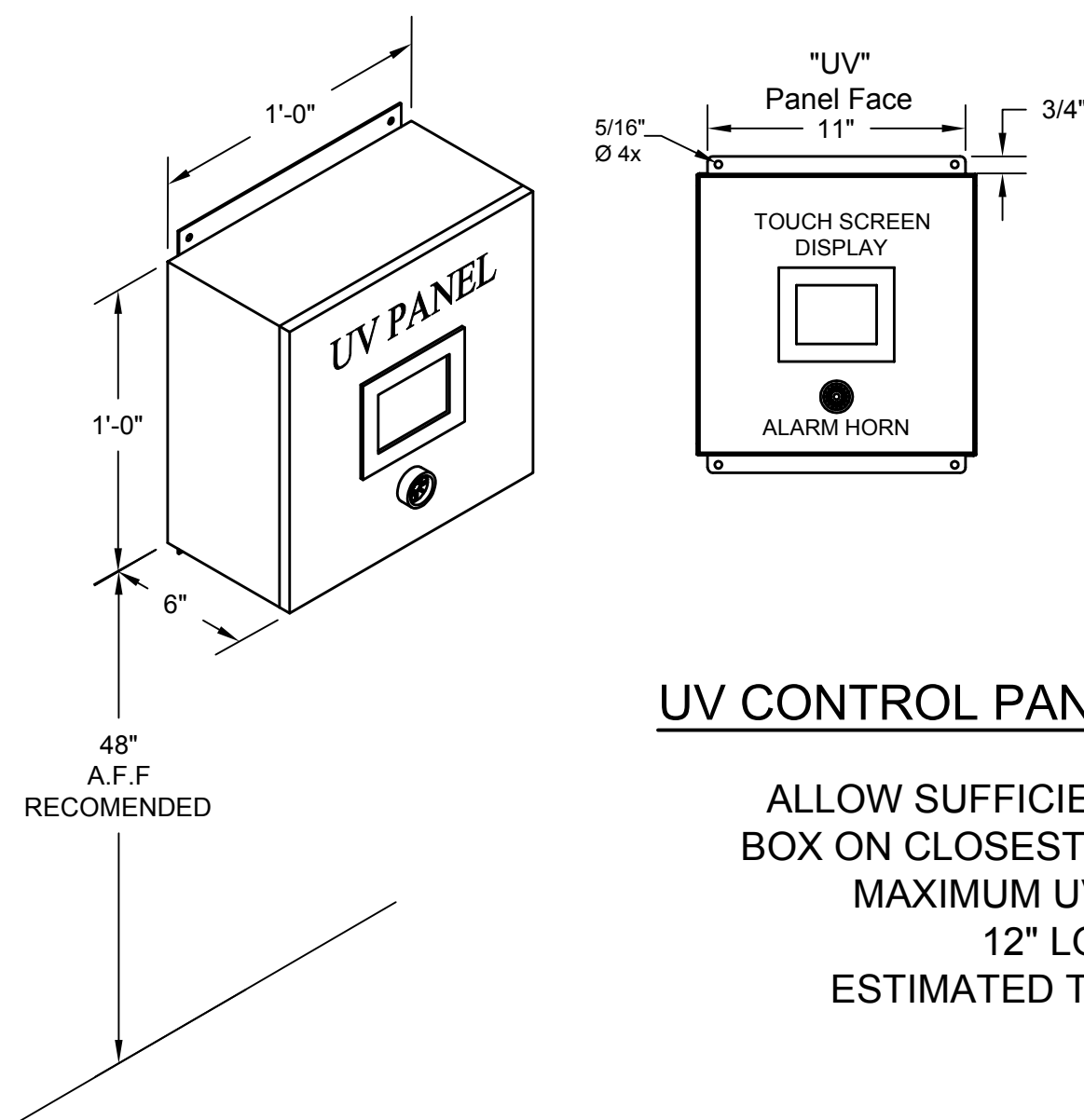
ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA MAXIMUM VENTILATOR DIMENSIONS 10'-9" LONG x 5'-0" WIDE x 32 1/2" HIGH ESTIMATED TOTAL HANGING WEIGHT: 1,129 LBS.

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

CADDY ULTRA SERIES HOOD SYSTEM FIELD WIRING DIAGRAM



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



UV CONTROL PANEL INSTALLATION INFORMATION

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

GENERAL CONTRACT CONDITIONS


ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INsofar AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL CODES THAT ADD OR DEVIATE FROM THE ACCEPTED STANDARDS OF THE ABOVE AGENCIES.

ANY FIELD WORK RELATING TO THE MODIFICATION OF ELECTRIC OR PLUMBING SYSTEMS, TO MEET REGIONAL OR LOCAL CODE REQUIREMENTS, IS TO BE DONE BY OTHERS AND WITHOUT BACK CHARGES TO CADDY CORPORATION, UNLESS THESE CONDITIONS WERE PREVIOUSLY BROUGHT TO OUR ATTENTION AND ACCEPTED BY CADDY CORPORATION AND OUR WRITTEN REPRESENTATION.

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.



REVISONS			
REV	DATE	BY	REMARKS
A	03/12/13	ECC	REVISED PER REQUISITION DATED 02/19/13
B	4-26-13	TJC	NO CHANGES
C	5-14-13	DRA	ADDED HOOD ITEM # 524
D	02/10/14	DME	REVISED FOR FABRICATION PER "APPROVED AS NOTED DRAWING"
E	3-4-14	DRA	NO CHANGES
F	03/31/14	SAH	NO CHANGES
G	4-29-14	ECC	NO CHANGES
H	5-15-14	ECC	NO CHANGES



CADDY CORPORATION
 509 Sharptown Road
 Bridgeport, NJ 08014-0345
 Tel: 856-467-4222
 internet: www.caddycorp.com

P.O. Box 345

Fax: 856-467-5511

EQUIPMENT SCHEDULE	
CPE-U	
CADDY NO. 11383-D	ITEM NO. 525
JOB: LOEWS HOTEL LOC: CHICAGO, IL CUST: TRIMARK MARLINN CUST#: 377400 & .77281	

DATE	2/27/13
DR BY	ECC

SCALE	AS NOTED
APPD BY	<i>BGN</i>

SHT 13

OF 17

DWG# D-1-19029

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 1,800 F.P.M.

EXHAUST FAN REQUIREMENTS:

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

MAKE-UP AIR REQUIREMENTS:

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

INSTALLATION:

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

CONSTRUCTION:

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

FIRE PROTECTION:

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

PLUMBING:

- 140 DEG. MIN. TO 180 DEG. MAX. HOT WATER REQUIRED TO CPE CONTROL CABINET.
- WATER FLOW PRESSURE 40 PSI MIN. TO 80 PSI MAX.
- VENTILATOR DRAINS CONNECTED TO BUILDING DRAINS AS PER LOCAL CODES.
- REFER TO DRAWING NOTES FOR TOTAL WATER CONSUMPTION. AVERAGE CLEANING CYCLE TIME 5 MINUTES- 10 MINUTES MAXIMUM.

BACKFLOW PREVENTION:

- LOCATED IN CPE PANEL.

ELECTRICAL REQUIREMENTS:

- SERIES CPE CONTROL CABINET REQUIRES 120 VOLT, SINGLE PHASE, 20 AMP, 24 HOUR SERVICE-REFER TO WIRING DIAGRAM.
- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.

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. D ISCONNECTED FOR SHIPPING AT J-BOX ©. RECONNECTED ON JOBSITE BY ELECTRICAL CONTRACTOR.
- LIGHT SWITCH FOR LIGHT FIXTURE WITH 120 VOLTS A.C. SERVICE BY CADDY. LIGHT SWITCH LOCATED ON THE FACE OF VENTILATOR.



EQUIPMENT SCHEDULE

SHW-C-W-CM-143.5-FL-60
SHW-C-W-CM-57.75-FL-67.75
W/ CEILING SUPPLY PLENUMS

CADDY NO. 11383-GG ITEM NO. 701A

JOB: LOEWS HOTEL
LOC: CHICAGO, IL
CUST: TRIMARK MARLINN
CUST#: 377400 & .77281

DATE 2/27/13 SCALE AS NOTED

DR BY ECC APPD BY *BPM*

DWG# D-1-19029

SHT 14 OF 17

THE CADDY VENTILATOR TESTING, LISTING AND APPROVAL REFERENCES:

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

NATIONAL SANITATION FOUNDATION

STANDARD #2 - "FOOD SERVICE EQUIPMENT"

ETL, INTERTEK

TESTED UNDER STANDARD U.L. 710 "EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT". ETL LISTED UNDER CONTROL # 3177269

UNIFORM MECHANICAL CODE

SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN VENTILATION SYSTEMS

THE BOCA NATIONAL MECHANICAL CODE

CHAPTER 5 - KITCHEN EXHAUST EQUIPMENT

STANDARD MECHANICAL CODE (SBCCI)

SECTION 504 - COMMERCIAL HOODS

UNIFORM BUILDING CODE (ICBO)

INTERNATIONAL MECHANICAL CODE (IMC)

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

NOTE:

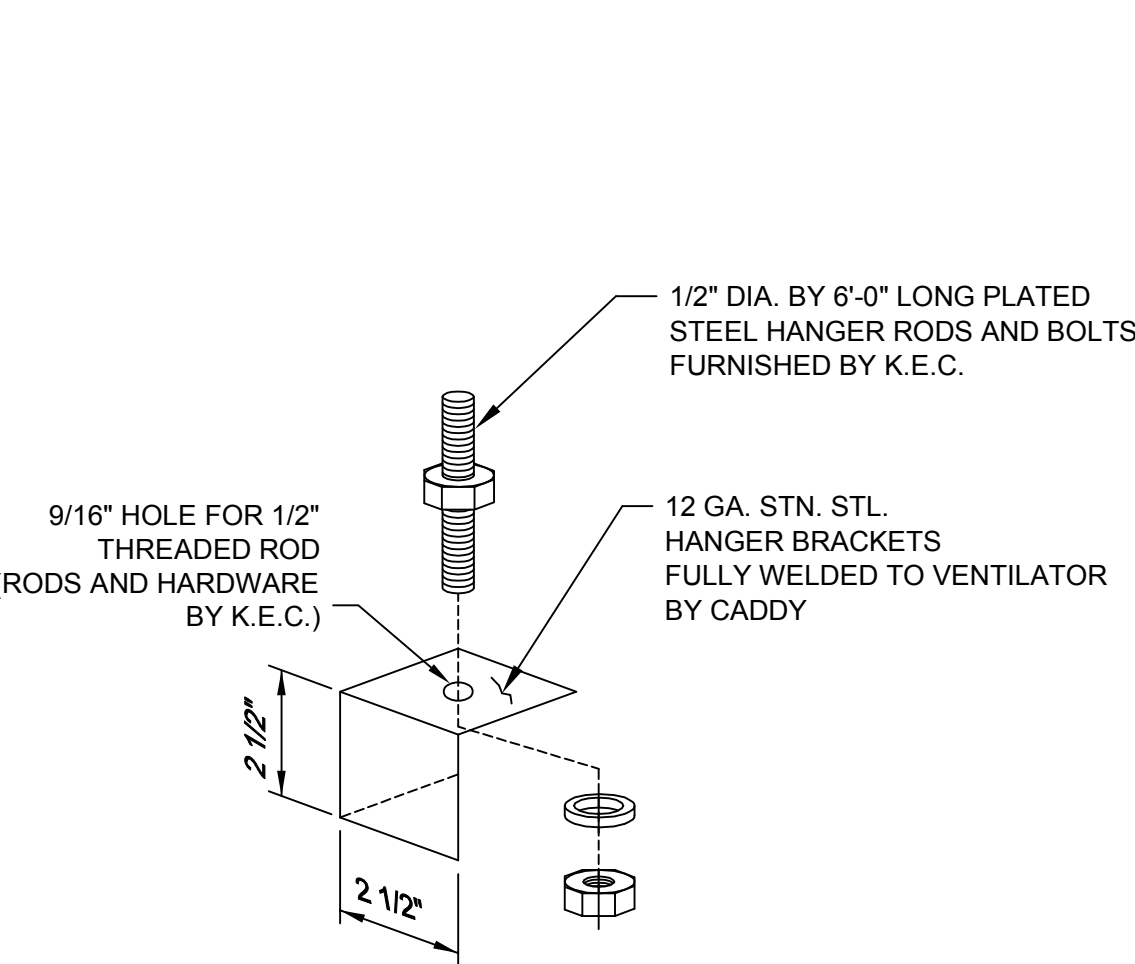
K.E.C. MUST VERIFY THE EXACT DIMENSION OF THE COOKING EQUIPMENT FROM EITHER THE WALL OR FROM THE FRONT OF THE HOOD, SO CADDY MAY PROPERLY LOCATE THE FIRE PROTECTION NOZZLES AT TIME-OF-FABRICATION IN THE FACTORY. IF EQUIPMENT IS NOT LOCATED AS SHOWN AND THE DRAWING IS APPROVED FOR FABRICATION, THEN NOZZLES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

CONTRACTOR NOTE:

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

MAKE-UP AIR NOTE:

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



HANGER BRACKET DETAIL A-A

SCALE: 1/4"=1"

GENERAL CONTRACT CONDITIONS

ELECTRICAL WORK DONE BY CADDY CORPORATION IS EXECUTED IN COMPLIANCE WITH STANDARDS PUBLISHED BY THE UNDERWRITER'S LABORATORIES, INC. INsofar AS APPLICABLE, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). CADDY CORPORATION DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE REQUIREMENTS OF ANY REGIONAL AND/OR LOCAL CODES THAT ADD OR 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.

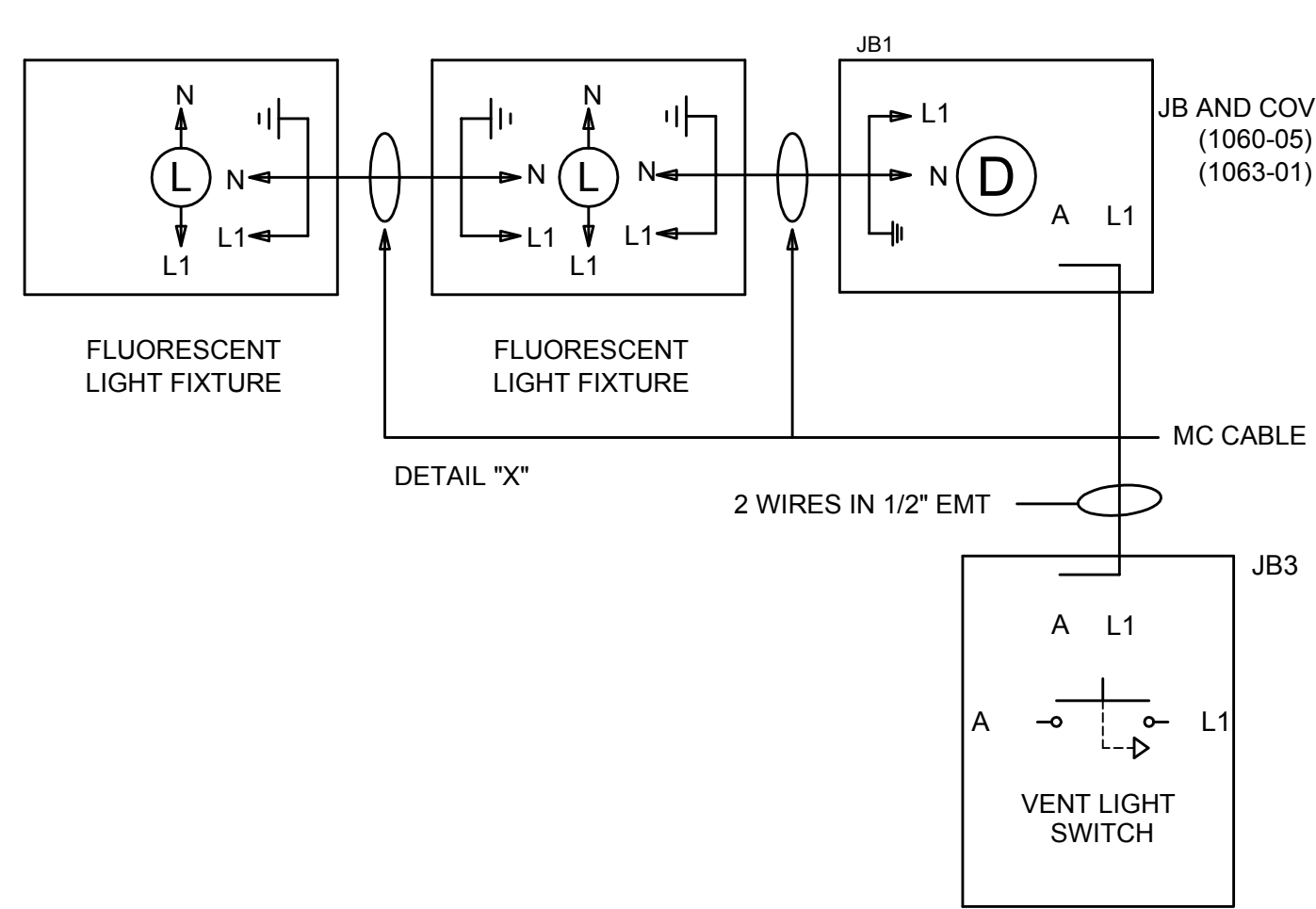
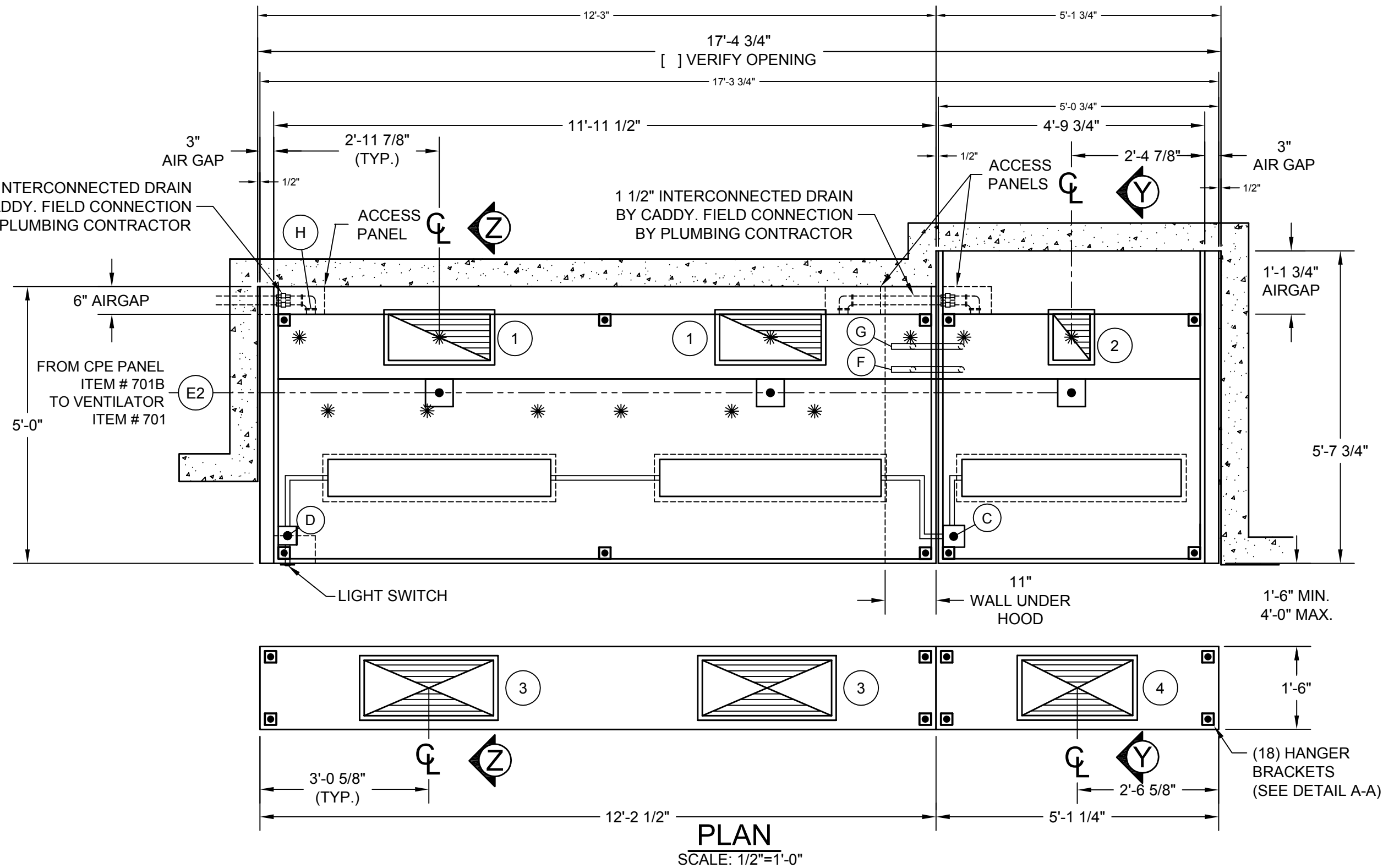
K.E.C. TO VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT, REVIEW PLAN FOR PROPER LINE-UP PRIOR TO FABRICATION OF VENTILATORS, AND TO NOTIFY CADDY OF ANY CHANGES.

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

INSTALLATION INFORMATION

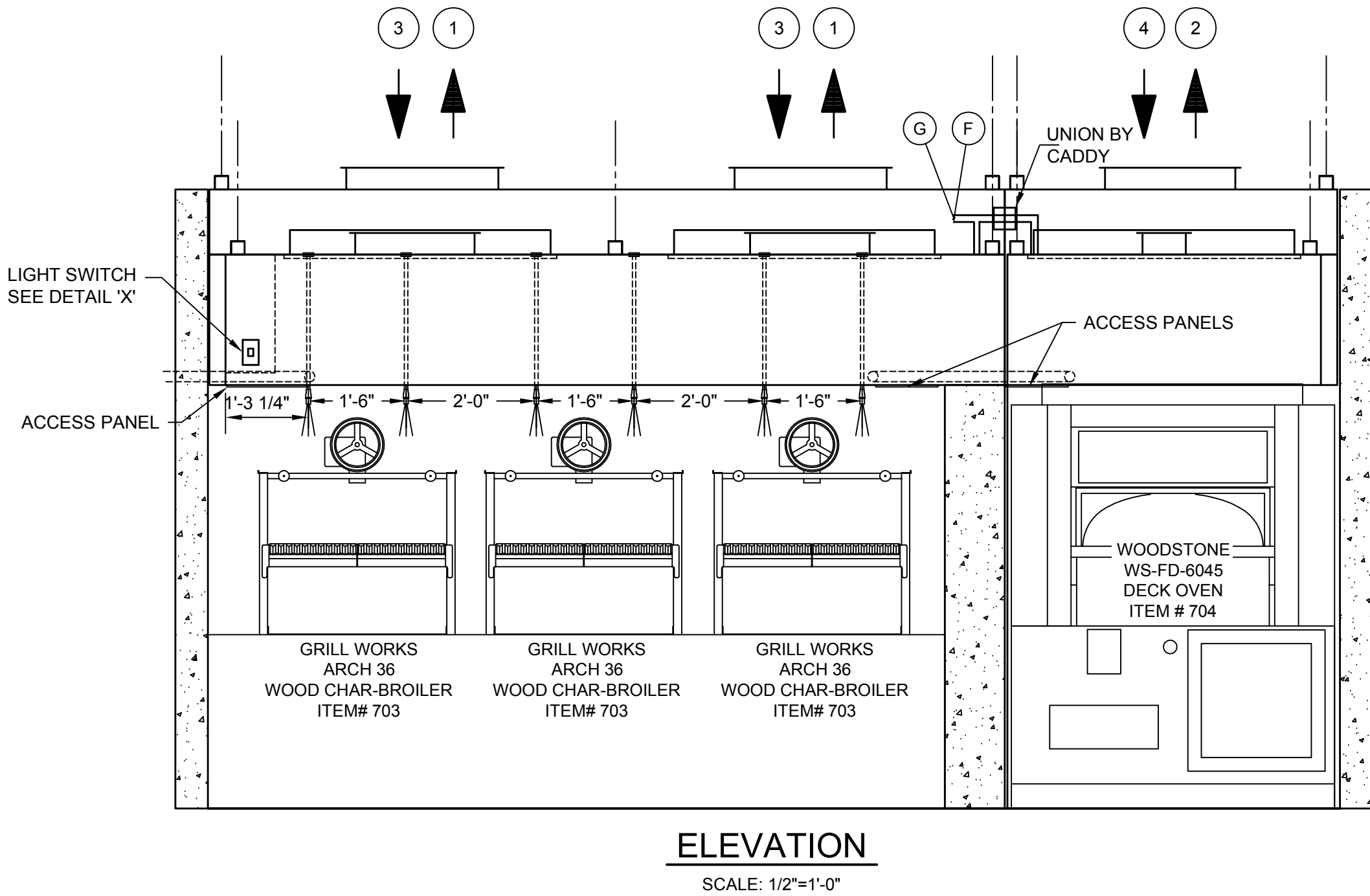
ALLOW SUFFICIENT ACCESS TO BRING VENTILATOR INTO KITCHEN AREA MAXIMUM VENTILATOR DIMENSIONS 12'-2 1/2" LONG x 5'-7 3/4" WIDE x 28 1/2" HIGH ESTIMATED TOTAL HANGING WEIGHT: 1,794 LBS.

VENTILATOR TO BE SHIPPED IN (4) UNITS. ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

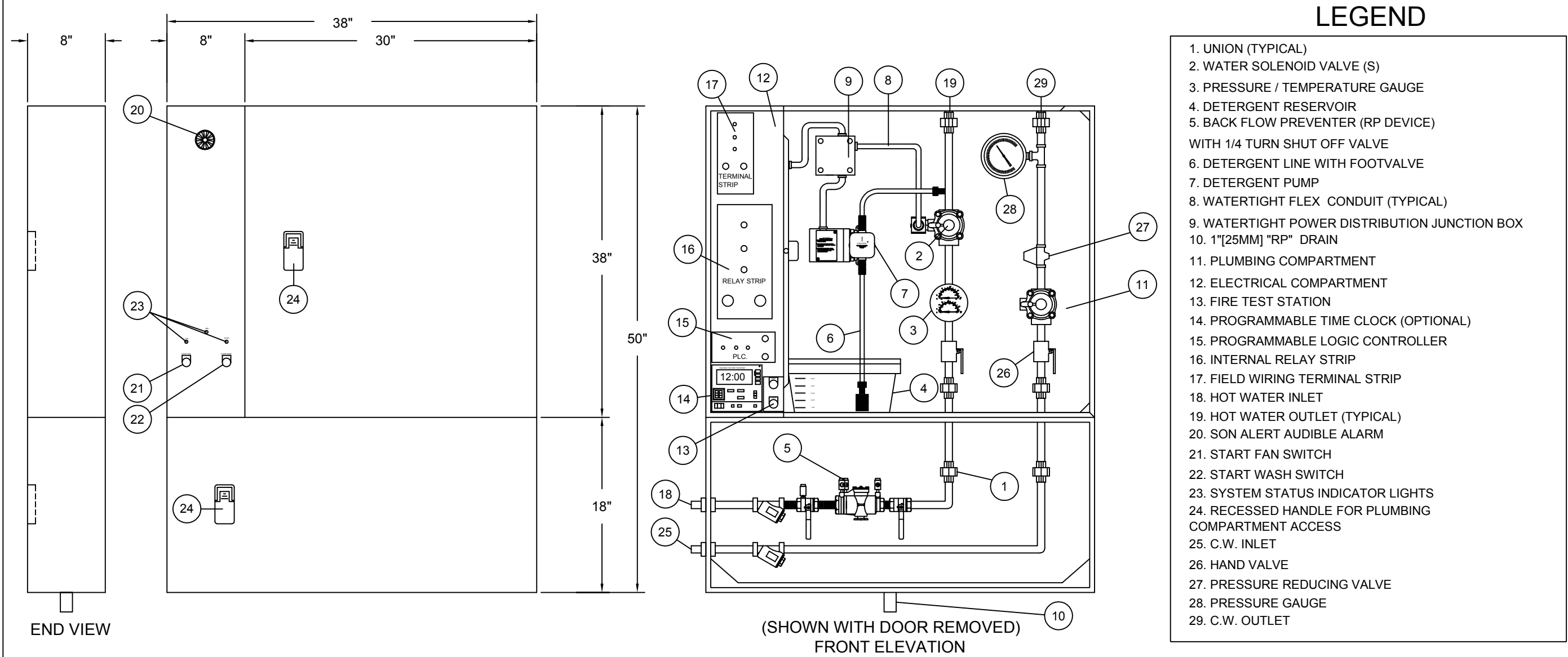


TOTAL EXHAUST : 6,500 C.F.M.
TOTAL SUPPLY : 5,200 C.F.M.

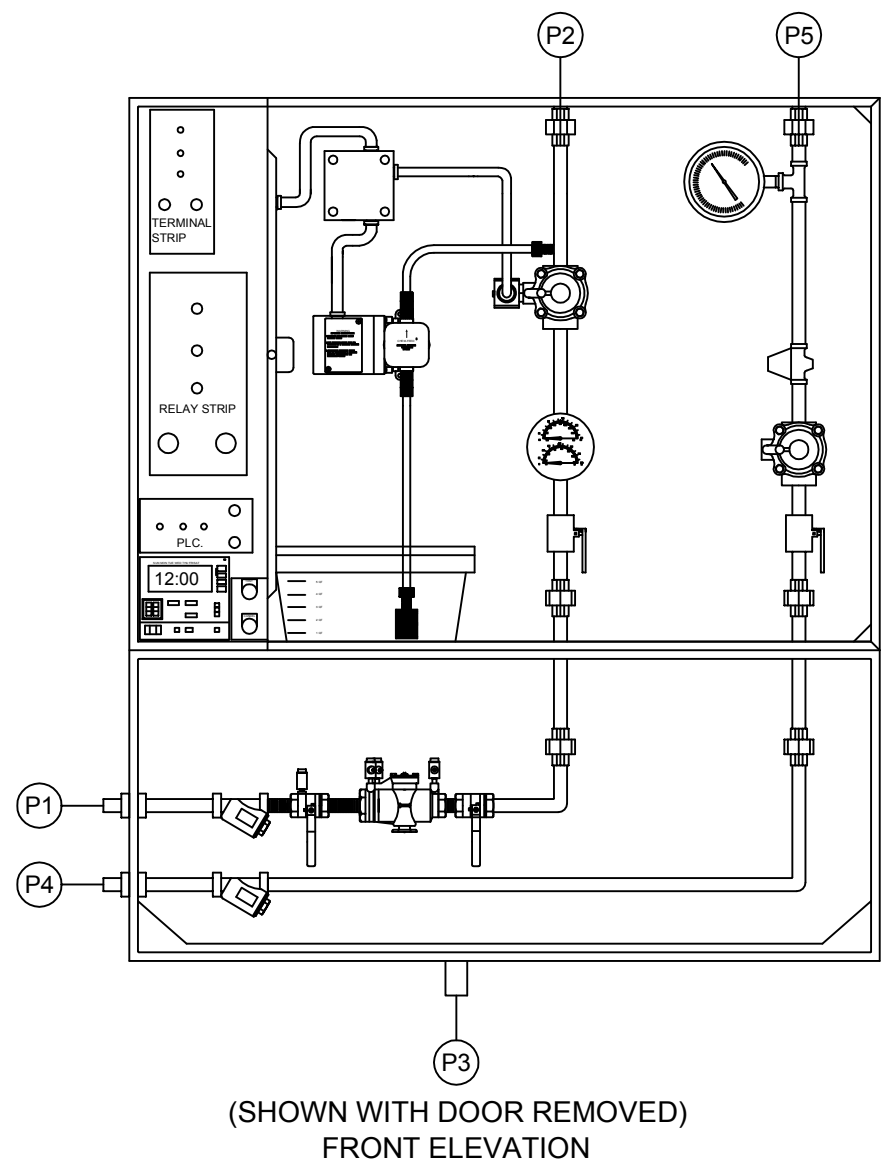
1	10" X 22" EXHAUST DUCTS 2,750 C.F.M. EACH @ 1.60" S.P.	3	12" X 28" SUPPLY DUCTS 1,838 C.F.M. EACH @ 0.20" S.P.
2	10" X 8" EXHAUST DUCT 1,000 C.F.M. @ 1.60" S.P.	4	12" X 24" SUPPLY DUCT 1,524 C.F.M. @ 0.20" S.P.



NOTE: ANSUL FIRE SUPPRESSION SYSTEM DETAILS FURNISHED FOR INFORMATION PURPOSES ONLY. CADDY IS RESPONSIBLE FOR FACTORY PRE-PIPING ONLY, WHICH INCLUDES INTERNAL PLENUM AND DUCT COLLAR PIPING WITH NOZZLES, FUSIBLE LINK DETECTOR BRACKETS, AND PIPING FOR SURFACE DROPS. CHROME SURFACE NOZZLE DROPS BY FIRE SUPPRESSION SYSTEM SUB-CONTRACTOR.



CPE COMPONENT DESCRIPTION



PLUMBING NOTES

- P1** 1" HOT WATER CONNECTION TO CPE PANEL BY PLUMBING CONTRACTOR. MINIMUM WATER TEMP.= 140° F. MAXIMUM WATER TEMP. = 180° F. OPERATING PRESSURE BETWEEN 40-80 PSI[2.76 BAR- 5.52 BAR].
- P2** 1" HOT WATER CONNECTION FROM CPE PANEL TO (1) 1" HOOD CONNECTION BY PLUMBING CONTRACTOR
- P3** 1" DRAIN CONNECTION TO FLOOR SINK BY PLUMBING CONTRACTOR.
- P4** 1/2" COLD WATER CONNECTION TO CPE PANEL BY PLUMBING CONTRACTOR.
- P5** 1/2" COLD WATER CONNECTION (COLD WATER MIST) FROM CPE PANEL TO (1) 1/2" HOOD CONNECTION BY PLUMBING CONTRACTOR

WATER CONSUMPTION

20.8 G.P.M. @ 40 P.S.I. 5 MIN.
WASH CYCLE PER 24 HOUR PERIOD

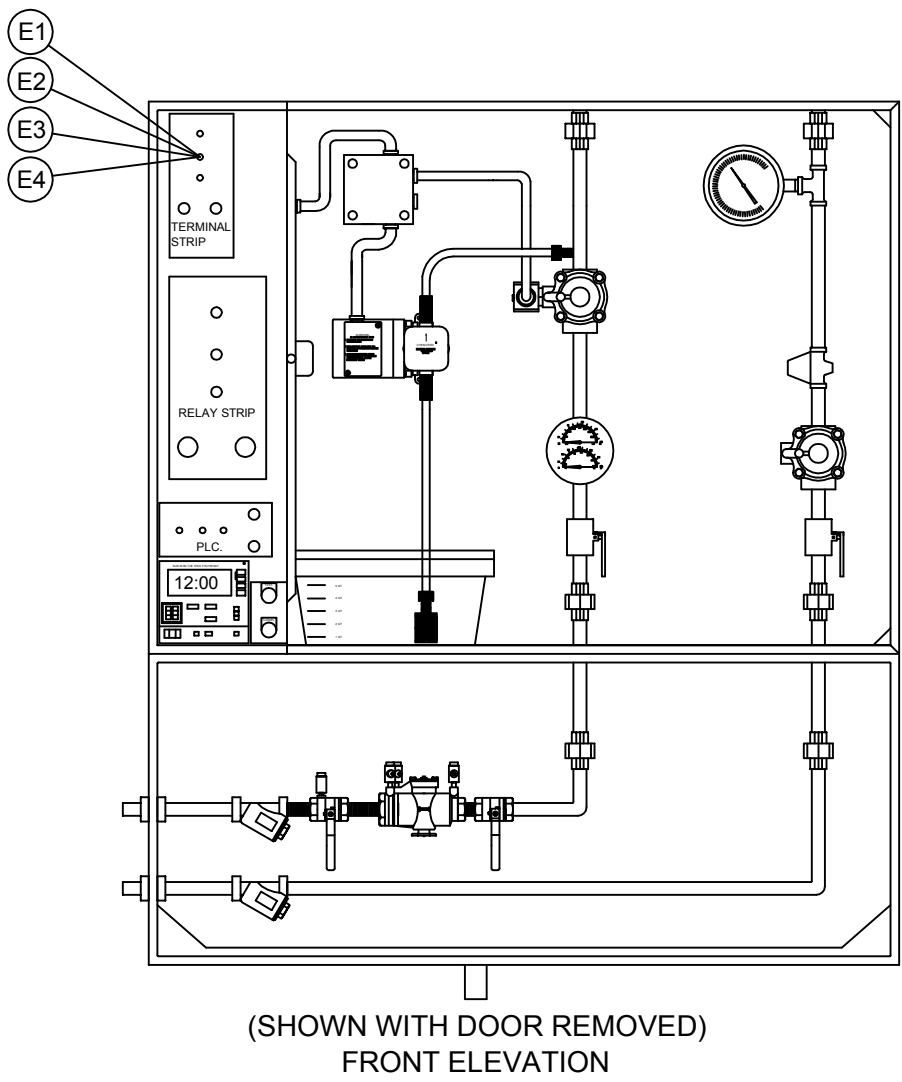
COLD WATER MIST

12.0 G.P.H. @ 40 P.S.I.

PLUMBING DETAILS

ELECTRICAL NOTES


- E1** 120/1/60 20A. SERVICE BY ELECTRICAL CONTRACTOR.
- E2** 2 WIRES FROM CONTROL PANEL TO HOOD EXHAUST FENWAL THERMOSTAT BOXES BY ELECTRICAL CONTRACTOR.
- E3** 2 WIRES FROM CONTROL PANEL TO EXHAUST FAN MAGNETIC STARTER HOLDING COIL BY ELECTRICAL CONTRACTOR. HOLDING COIL TO BE 120 V / 1 PHASE SUPPLY FAN TO BE WIRED IN PARALLEL WITH EXHAUST FAN.
- E4** 2 WIRES FROM ALARM TERMINAL DRY CONTACTS (N.O. OR N.C.) LOCATED IN CONTROL PANEL TO BUILDING ALARM SYSTEM BY ALARM CONTRACTOR OR ELECTRICAL CONTRACTOR.

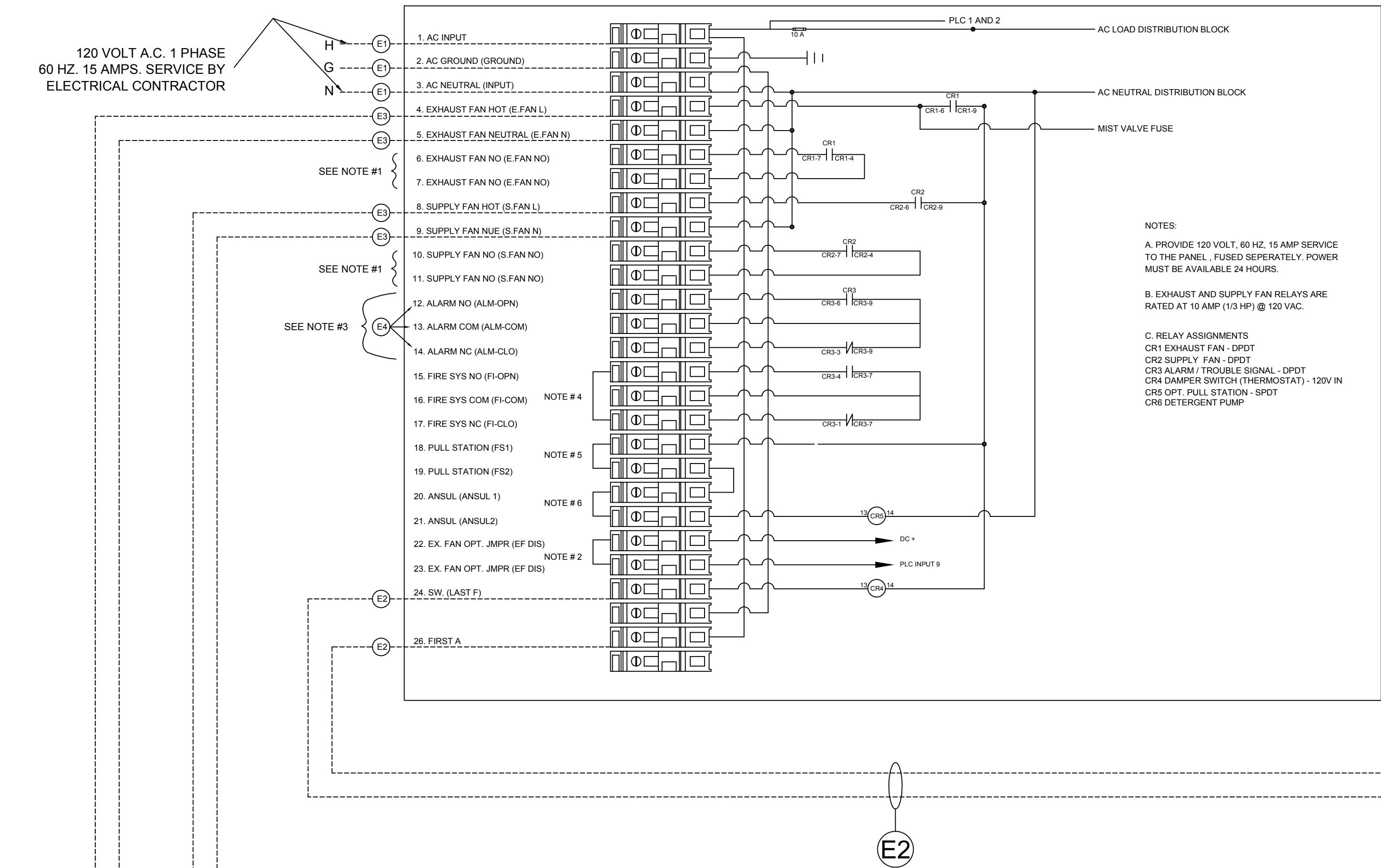


ELECTRICAL DETAILS

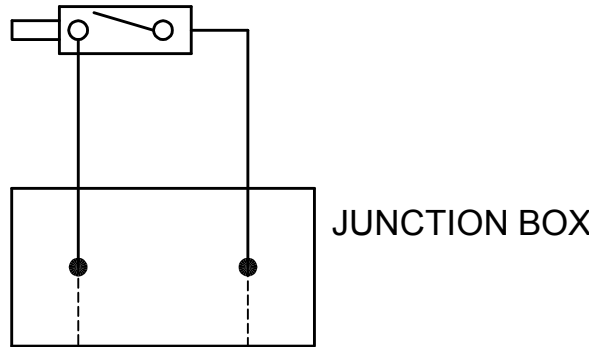
MOUNTING HEIGHT 24" A.F.F.



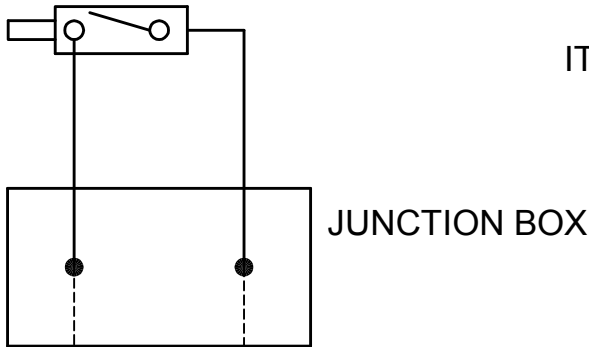
REVISIONS				 <div>CADDY CORPORATION 509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Internet: www.caddycorp.com P.O. Box 345 Fax: 856-467-5511</div>
REV	DATE	BY	REMARKS	
D	02/19/14	DRA	ADDED HOOD ITEM # 701	
E	3-4-14	DRA	NO CHANGES	
F	03/31/14	SAH	NO CHANGES	EQUIPMENT SCHEDULE
G	4-29-14	ECC	REVISED FOR FABRICATION	
H	5-15-14	ECC	NO CHANGES	CPE-1.00-RP-TC
				CADDY NO. 11383-FF ITEM NO. 717
				JOB: LOEWS HOTEL LOC: CHICAGO, IL CUST: TRIMARK MARLINN CUST#: 377400 & .77281
DATE 2/27/13		SCALE AS NOTED		DWG# D-1-19029
DR BY ECC		APP'D BY <i>BFW</i>		
				SHT 16 OF 17



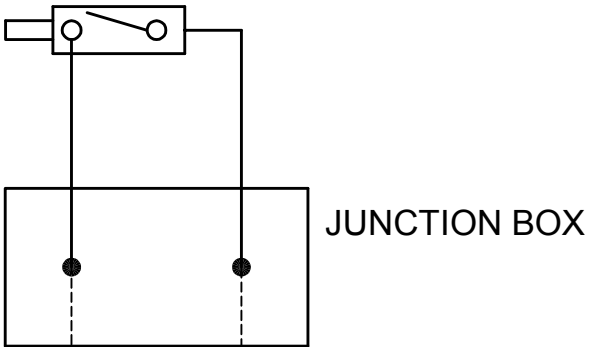
ITEM #702



ITEM #702



ITEM #702



E2 — 2 WIRES IN CONDUIT TO EACH JUNCTION BOX ASSEMBLY BY E.C.

NOTES: 1. EXHAUST FAN N/O AND SUPPLY FAN N/O TERMINALS ARE VOLTAGE FREE N/O SETS OF CONTACTS FOR USE WITH A REMOTE MOTOR CONTROL STATION.

SEQUENCE OF OPERATION

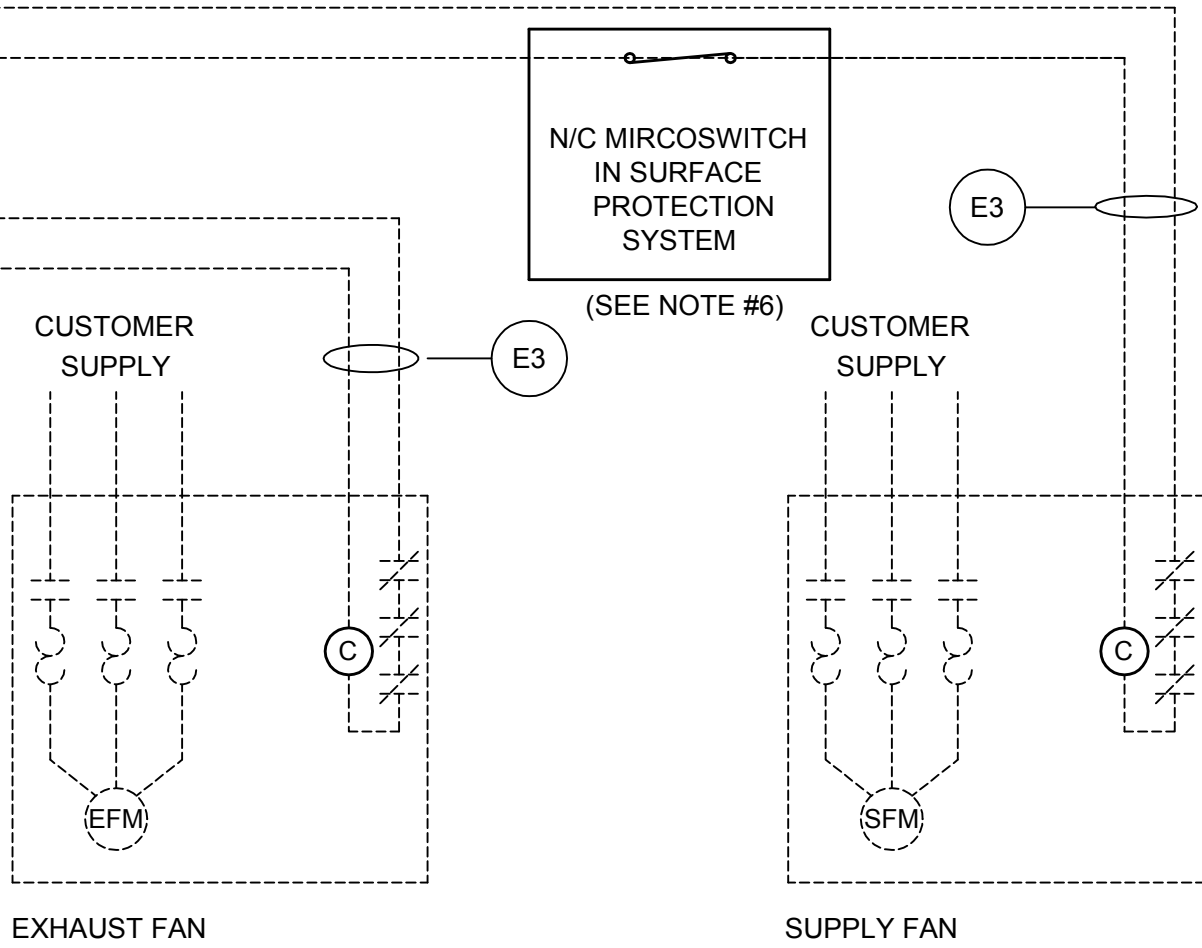
FAN CONTACTS CLOSE TO START EXHAUST AND SUPPLY FANS.
FAN CONTACTS OPEN TO STOP EXHAUST AND SUPPLY FANS.
"EXTERNAL FIRE"(FIRE SWITCH PULLED, FIRE SYSTEM DISCHARGED)
EXHAUST FAN CONTACTS CLOSE TO START EXHAUST FAN, SUPPLY FAN CONTACTS OPEN TO STOP SUPPLY FAN IN "EXTERNAL FIRE" MODE.
WATERWASH IS ACTIVATED.
"INTERNAL FIRE"(VENTILATOR T'STAT CLOSURE) CONTACTS OPEN TO STOP EXHAUST AND SUPPLY FAN. WATERWASH ACTIVATED.

2. UNIT IS SHIPPED WITH A FACTORY INSTALLED JUMPER ACROSS EXHAUST FAN DISABLE TERMINALS. WITH JUMPER INSTALLED "EXTERNAL FIRE" CONDITION WILL RESULT IN EXHAUST AND SUPPLY FAN SHUTDOWN. REMOVAL OF JUMPER WILL CAUSE EXHAUST FAN TO START, IF OFF, OR REMAIN RUNNING IF ON, AND SUPPLY FAN TO STOP DURING EXTERNAL FIRE CONDITION.

3. ALARM COM, ALARM N/C, ALARM N/O-VOLTAGE FREE CONTACTS FOR CONNECTION TO BUILDING ALARM SYSTEM. CONTACTS TRANSFER DURING EITHER INTERNAL OR EXTERNAL FIRE MODE. (OPTIONAL)
4. FIRE SYS COM, FIRE SYS N/C, FIRE SYS N/O-VOLTAGE FREE CONTACTS FOR CONNECTION TO BUILDING FIRE SYSTEM. CONTACTS TRANSFER DURING EITHER INTERNAL OR EXTERNAL FIRE MODE. (OPTIONAL)

5. FACTORY INSTALLED JUMPER. REMOVE JUMPER AND INSTALL N/C REMOTE FIRE SWITCH IF REQUIRED. PULLING SWITCH WILL INITIATE EXTERNAL FIRE MODE. (OPTIONAL)

6. FACTORY INSTALLED JUMPER. REMOVE JUMPER AND CONNECT TO N/C MICROSWITCH IN SURFACE FIRE PROTECTION SYSTEM. FIRE SYSTEM DISCHARGE WILL INITIATE EXTERNAL FIRE MODE OR INSTALL IN SUPPLY FAN CIRCUIT AS SHOWN.




— BY CADDY AIR SYSTEMS
- - - BY ELECTRICAL CONTRACTOR

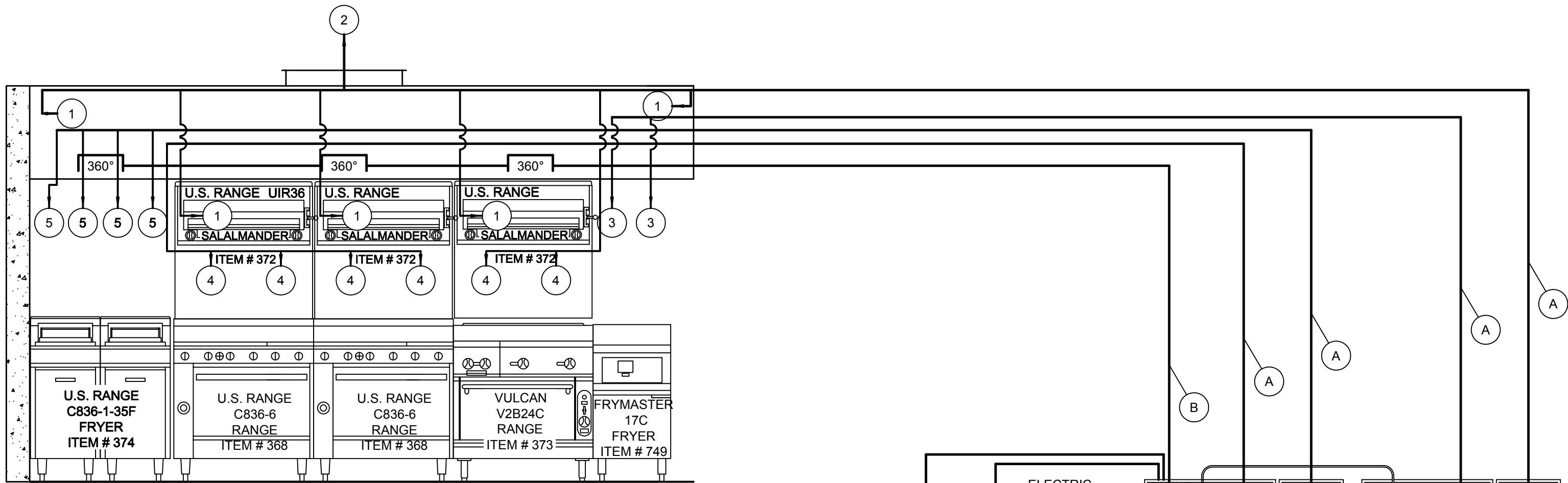
GENERAL CONTRACT CONDITIONS.

ELECTRICAL WORK DONE BY CADDY CORPORATION OF AMERICA 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 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(S) WHICH MUST BE APPROVED PRIOR TO FABRICATION. ANY SUBSEQUENT CHANGES REQUIRED MUST BE SUBMITTED TO US IN WRITING AND ACKNOWLEDGED ON OUR STANDARD FORM.



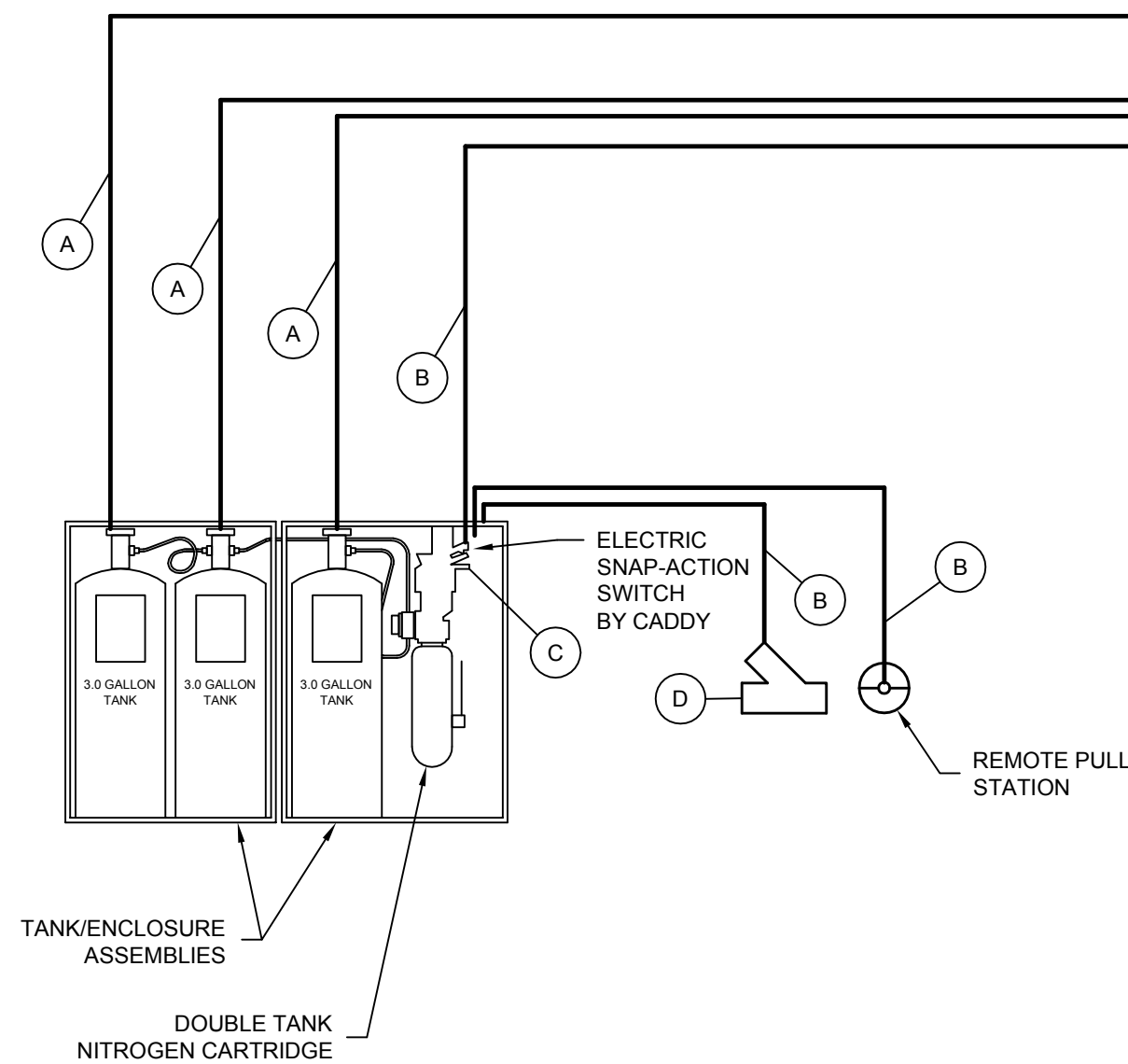
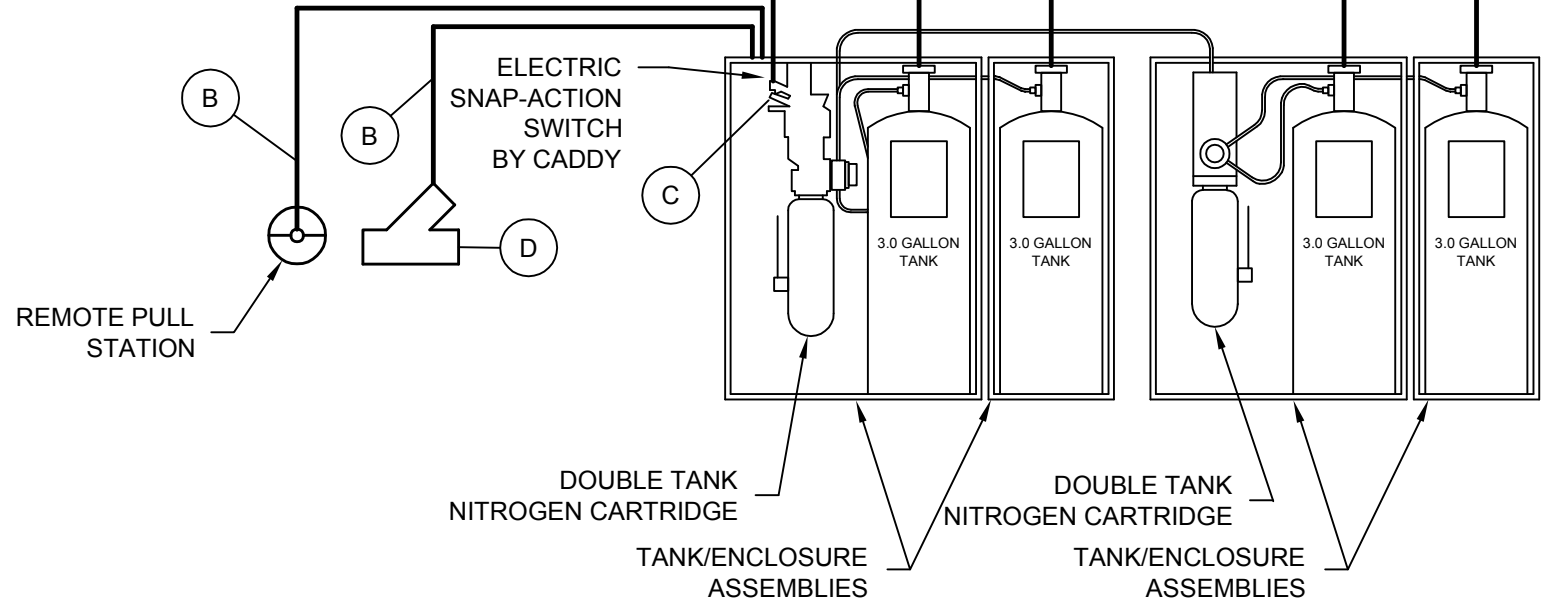
REVISIONS				 CADDY CORPORATION 509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Internet: www.caddycorp.com P.O. Box 345 Fax: 856-467-5511
REV	DATE	BY	REMARKS	
D	02/19/14	DRA	ADDED HOOD ITEM # 701	
E	3-4-14	DRA	NO CHANGES	
F	03/31/14	SAH	NO CHANGES	EQUIPMENT SCHEDULE
G	4-29-14	ECC	REVISED FOR FABRICATION	
H	5-15-14	ECC	NO CHANGES	CPE/HOOD CONTROL INTERFACE WIRING DIAGRAM
				CADDY NO. 11383-FF ITEM NO. 717
				JOB: LOEWS HOTEL LOC: CHICAGO, IL CUST: TRIMARK MARLINN CUST#: 377400 & .77281

DATE 2/27/13		SCALE AS NOTED	DWG# D-1-19029	SHT 17 OF 17
DR BY ECC		APP'D BY <i>BPM</i>		



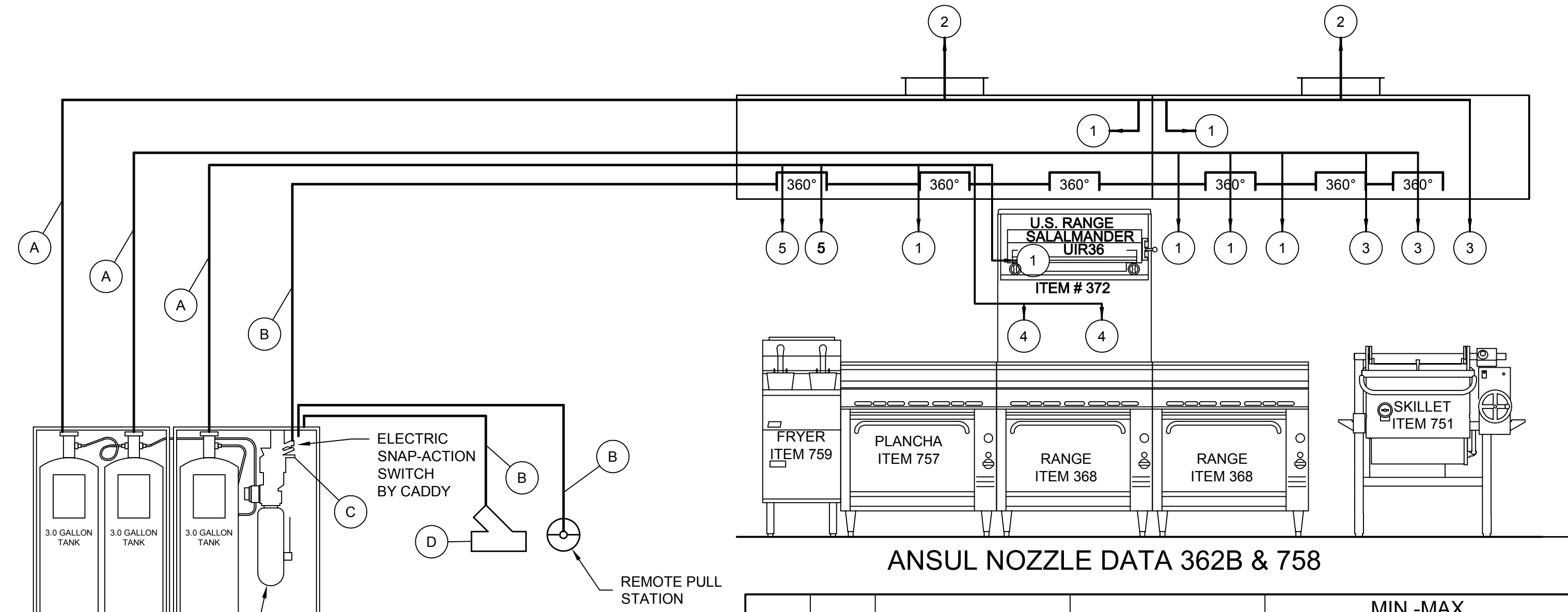
ANSUL NOZZLE DATA 362A

SYM	QTY	DESCRIPTION	FLOW POINTS EACH	MIN.-MAX. HEIGHT ABOVE HAZARD
1	5	ANSUL #1N	1	30"-40" (RANGE)
2	1	ANSUL #2W	2	
3	2	ANSUL #3N	3	21"-34"
4	6	ANSUL #290	2	15"-20" (LOW PROX. RANGE)
5	4	ANSUL #230	2	27"-47"




ANSUL NOZZLE DATA 701A

SYM	QTY	DESCRIPTION	FLOW POINTS EACH	MIN.-MAX. HEIGHT ABOVE HAZARD
1	3	ANSUL #1N	1	30"-40" (RANGE)
2	3	ANSUL #2W	2	
3	6	ANSUL #3N	3	21"-34"



ANSUL NOZZLE DATA 362B & 758

SYM	QTY	DESCRIPTION	FLOW POINTS EACH	MIN.-MAX. HEIGHT ABOVE HAZARD
1	7	ANSUL #1N	1	30"-40" (RANGE)
2	2	ANSUL #2W	2	
3	3	ANSUL #3N	3	21"-34"
4	2	ANSUL #290	2	15"-20"
5	2	ANSUL #230	2	27"-47"

REVISIONS				 <div>509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Internet: www.caddycorp.com</div> <div>P.O. Box 345 Fax: 856-467-5511</div>
REV	DATE	BY	REMARKS	
A	03/12/13	ECC	REVISED PER REQUISITION DATED 02/19/13	
B	4-26-13	TJC	NO CHANGES	
C	5-14-13	DRA	NO CHANGES	
D	02/19/14	DRA	ADDED HOOD ITEM # 758	
E	3-4-14	DRA	ADDED SALAMANDER ABOVE RANGE	
F	03/31/14	SAH	NO CHANGES	
				<div>EQUIPMENT SCHEDULE</div> <div>ANSUL PRE-PIPING</div> <div>CADDY NO. 11383 ITEM NO. ANSUL</div> <div>JOB: LOEWS HOTEL LOC: CHICAGO, IL CUST: TRIMARK MARLINN CUST#: 377400 & .77281</div>
DATE 2/27/13		SCALE AS NOTED		DWG# D-1-19029
DR BY ECC		APP'D BY <i>BFW</i>		
				<div>SHT 10 OF 17</div>