

GENERAL NOTES

EXHAUST AIR REQUIREMENTS:

- EXHAUST C.F.M. BASED ON 229 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 CADDY (ANSUL R-102).
- CAUTION: SURFACE FIRE PROTECTION SYSTEM INSTALLATION MUST BE COORDINATED WITH CADDY TO PREVENT SYSTEMS INTERFERENCE WITH VENTILATOR'S OPERATION/PERFORMANCE. IMPROPER INSTALLATION MAY VOID LISTINGS OF THE EQUIPMENT.
- IMPORTANT NOTE: NFPA 96 REQUIRES THAT ALL GAS AND ELECTRIC COOKING EQUIPMENT THAT IS PROTECTED BY A SURFACE FIRE PROTECTION SYSTEM MUST AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE SYSTEM.

ELECTRICAL REQUIREMENTS:

- LIGHT FIXTURE BULBS PROVIDED AND INSTALLED BY OTHERS.

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:

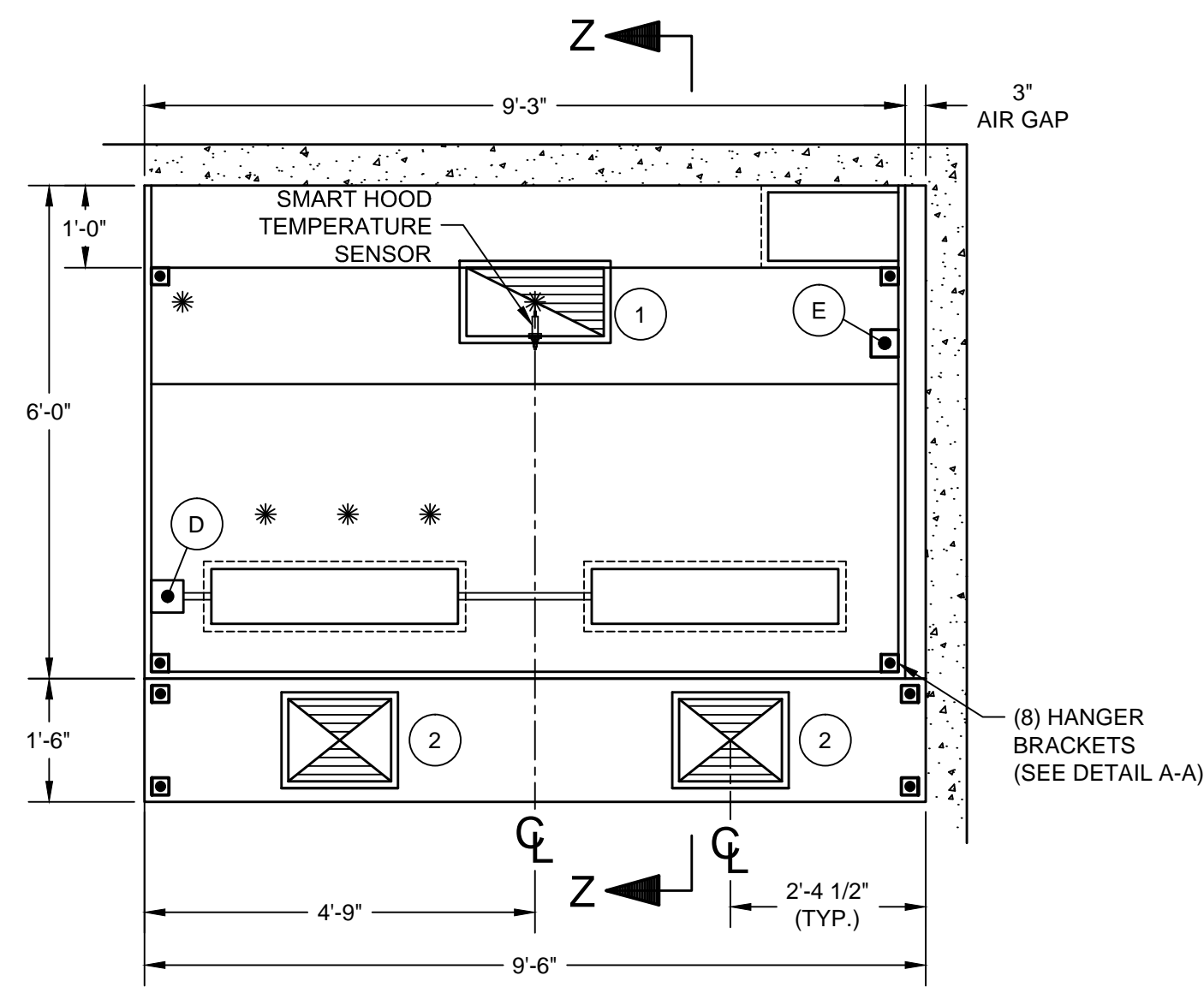
K.E.C. MUST VERIFY THE EXACT DIMENSION OF THE COOKING EQUIPMENT FROM EITHER THE WALL OR FROM THE FRONT OF THE HOOD, SO CADDY MAY PROPERLY LOCATE THE FIRE PROTECTION NOZZLES AT TIME-OF-FABRICATION IN THE FACTORY. IF EQUIPMENT IS NOT LOCATED AS SHOWN AND THE DRAWING IS APPROVED FOR FABRICATION, THEN NOZZLES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

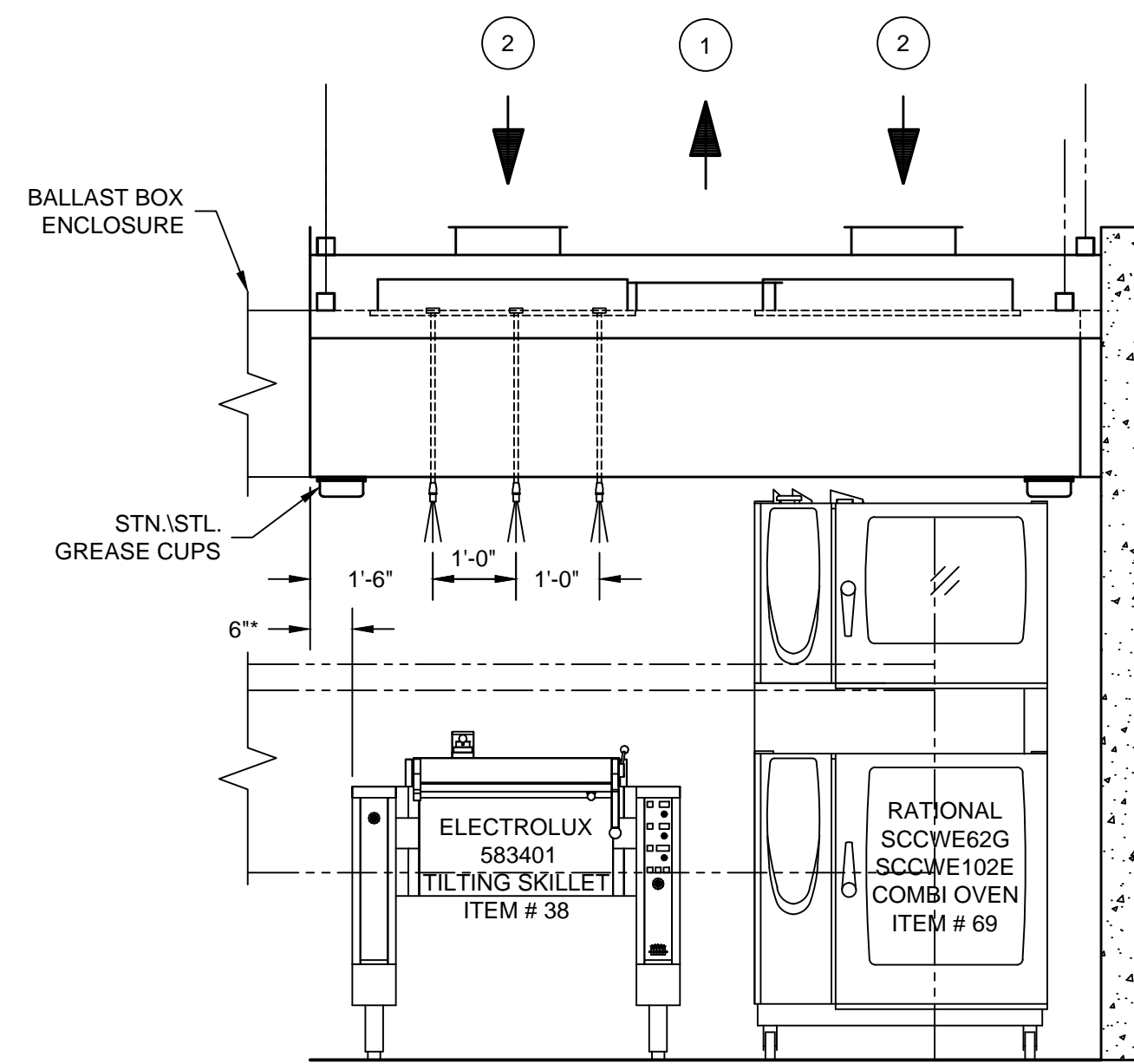


PLAN

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

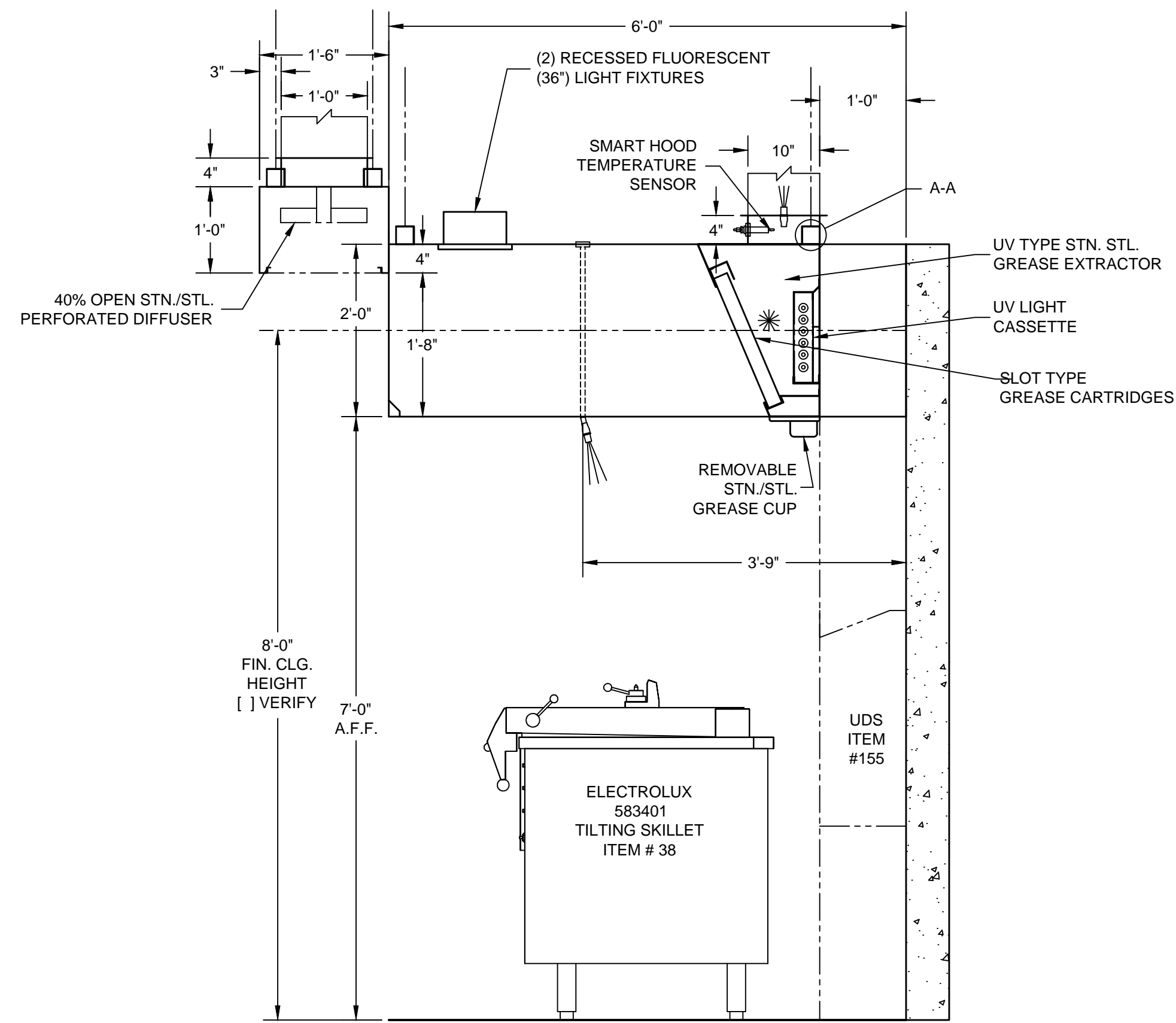
TOTAL EXHAUST : 2,115 C.F.M.
TOTAL SUPPLY : 1,692 C.F.M.

1	10" X 20" EXHAUST DUCT 2,115 C.F.M. @ 1.60" S.P.	2	12" X 15" SUPPLY DUCTS 846 C.F.M. EACH @ 0.20" S.P.
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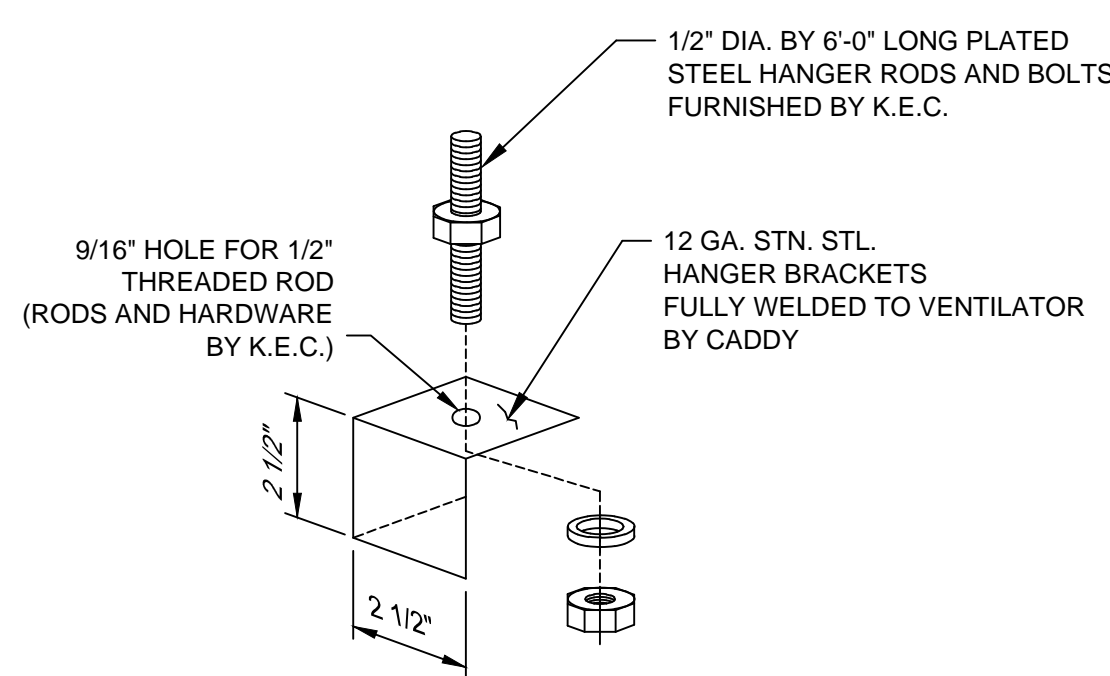
ELEVATION

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



SECTION Z-Z

SCALE: 3/4"=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 9'-3" LONG x 6'-0" WIDE x 29" HIGH ESTIMATED TOTAL HANGING WEIGHT: 998 LBS.

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

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.

ROUGH-IN SCHEDULE		REVISIONS			
SYM	QTY	REV	DATE	BY	REMARKS
D	1				120V, 60HZ, 1PH, 0.16 K.W. FROM UDS
E	1				12 WIRE INTERLOCK BY ELECTRICAL CONTRACTOR

DATE	SCALE
12-9-11	AS NOTED
DR BY DRA	APP'D BY B.J.W.

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-111-ND-72
W/ CEILING SUPPLY PLENUMS

CADDY NO. _____ ITEM NO. _____

JOB: _____
LOC: _____
CUST: _____
CUST #: _____

DWG# _____ SHT 1 OF 9

GENERAL NOTES

EXHAUST AIR REQUIREMENTS:

1. EXHAUST C.F.M. BASED ON VARIOUS C.F.M. PER LINEAR FOOT.
2. EXHAUST STATIC PRESSURE IS 1.60" W.G. AT DUCT TAKE-OFF COLLAR. TOTAL DUCT STATIC MUST BE ADDED. STATIC BASED ON OPERATION AT MEAN SEA LEVEL.
3. DUCT SIZE BASED ON 1,500 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.
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4. MOUNTING RODS FURNISHED AND INSTALLED BY OTHERS.

CONSTRUCTION:

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

FIRE PROTECTION:

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

ELECTRICAL REQUIREMENTS:

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SECTION 507 - COMMERCIAL KITCHEN HOODS AND KITCHEN VENTILATION SYSTEMS

THE BOCA NATIONAL MECHANICAL CODE

CHAPTER 5 - KITCHEN EXHAUST EQUIPMENT

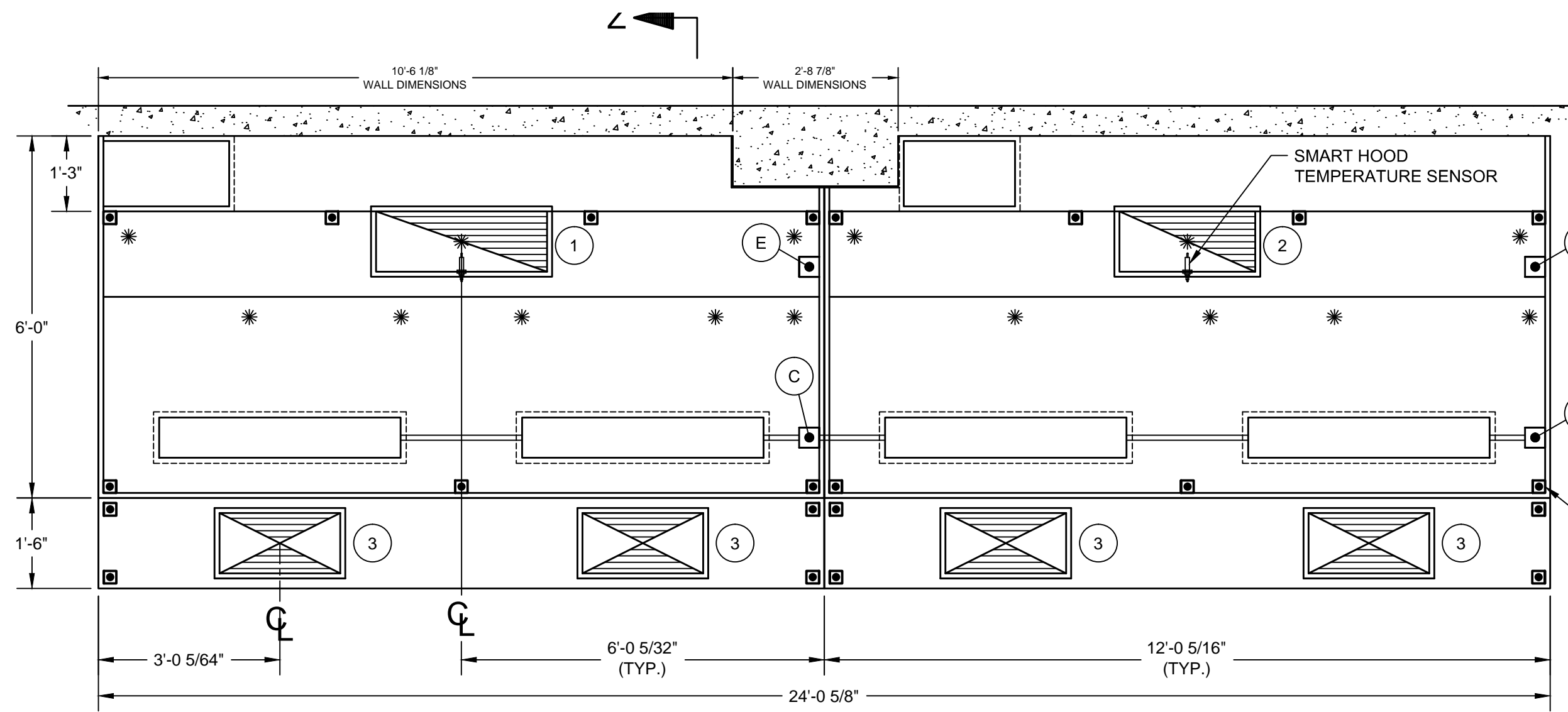
STANDARD MECHANICAL CODE (SBCCI)

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 : 7,620 C.F.M.
TOTAL SUPPLY : 6,096 C.F.M.

- 1 12" X 34" EXHAUST DUCT
4,200 C.F.M. @ 1.60" S.P.
- 2 12" X 27" EXHAUST DUCT
3,420 C.F.M. @ 1.60" S.P.
- 3 12" X 24" SUPPLY DUCTS
1,524 C.F.M. EACH @ 0.20" S.P.

NOTE:

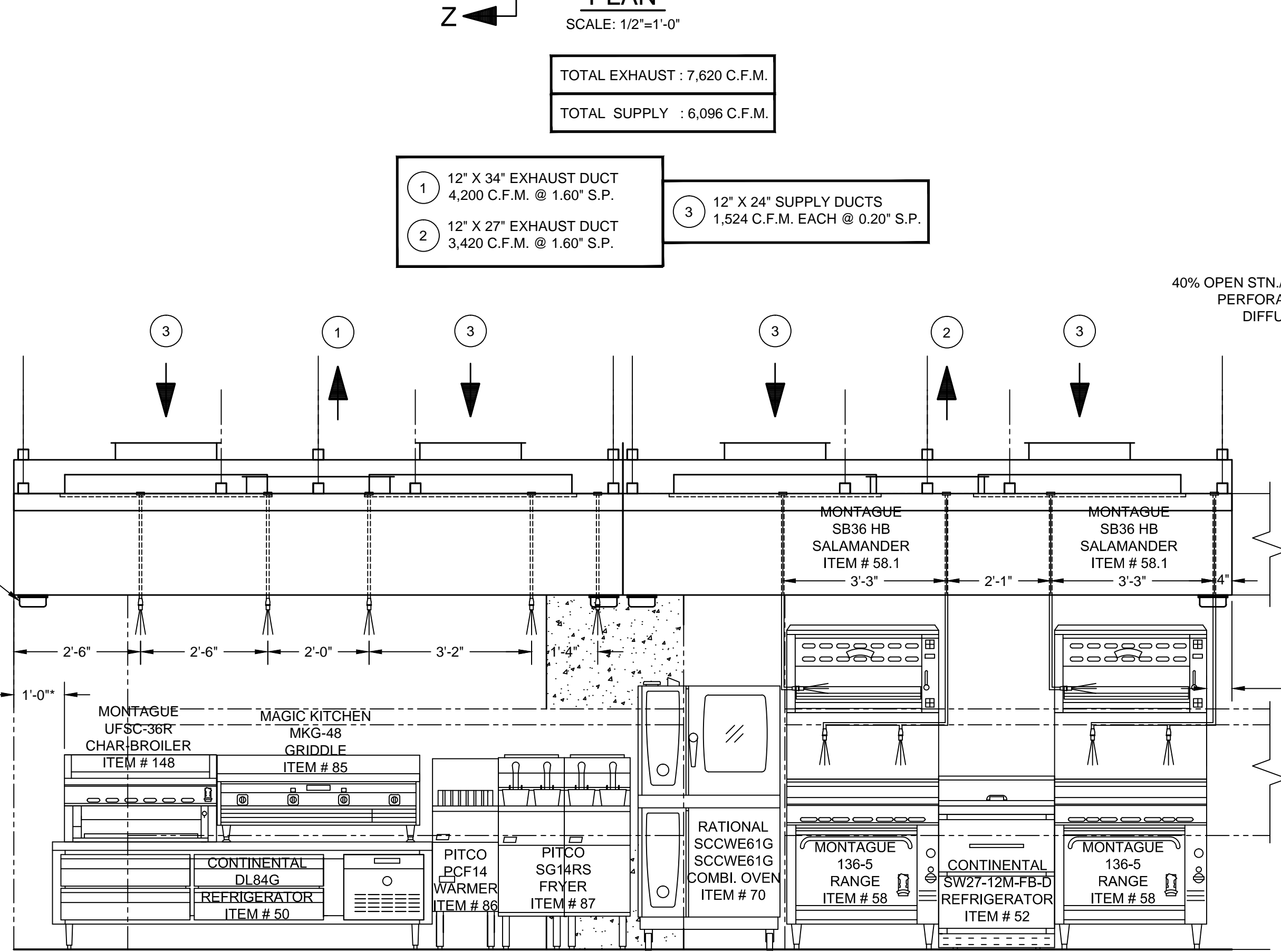
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CONTRACTOR NOTE:

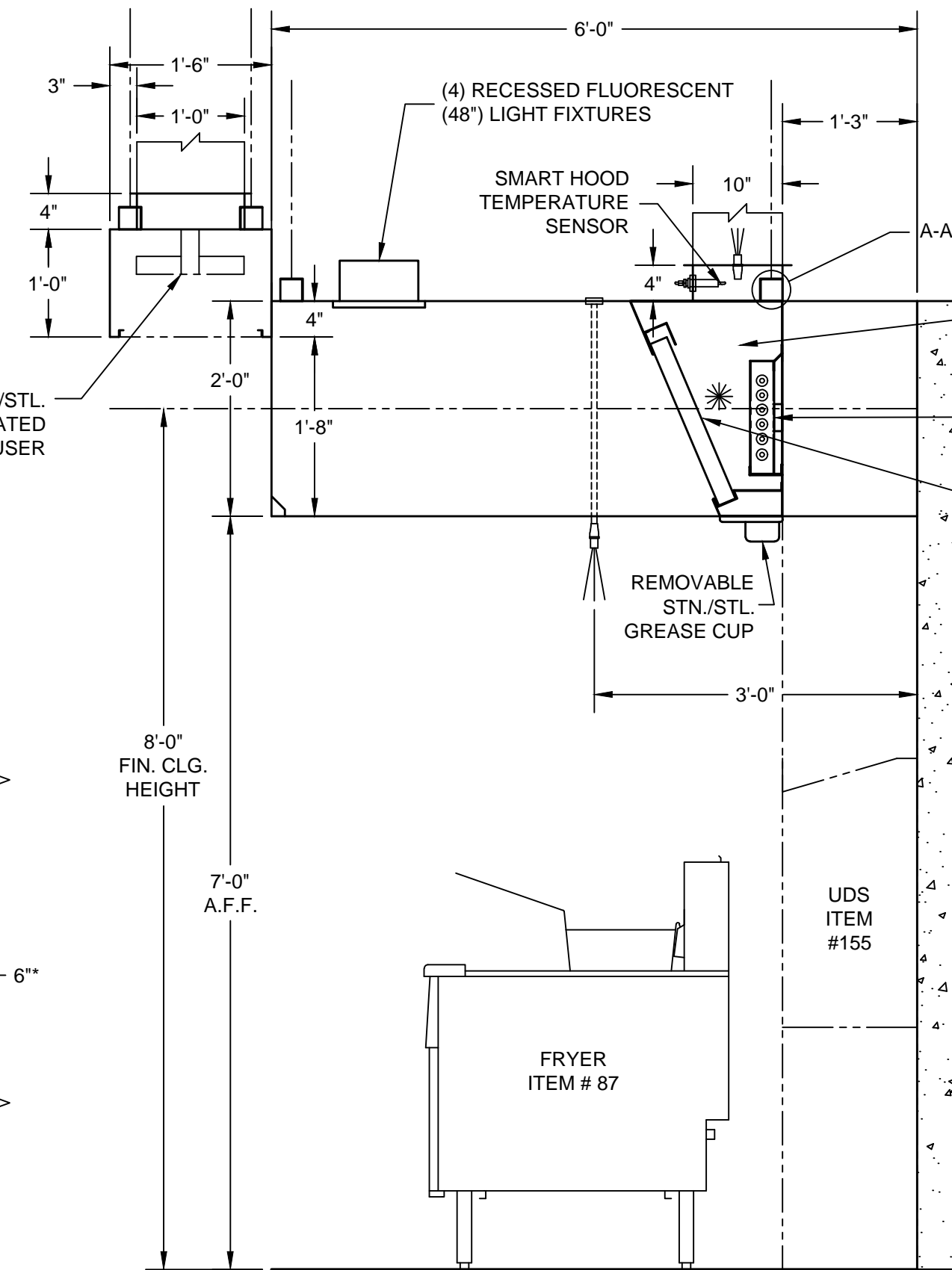
ALLOW SUFFICIENT ACCESS ON TOP OF VENTILATOR TO SERVICE COMPONENTS AND UTILITIES

MAKE-UP AIR NOTE:

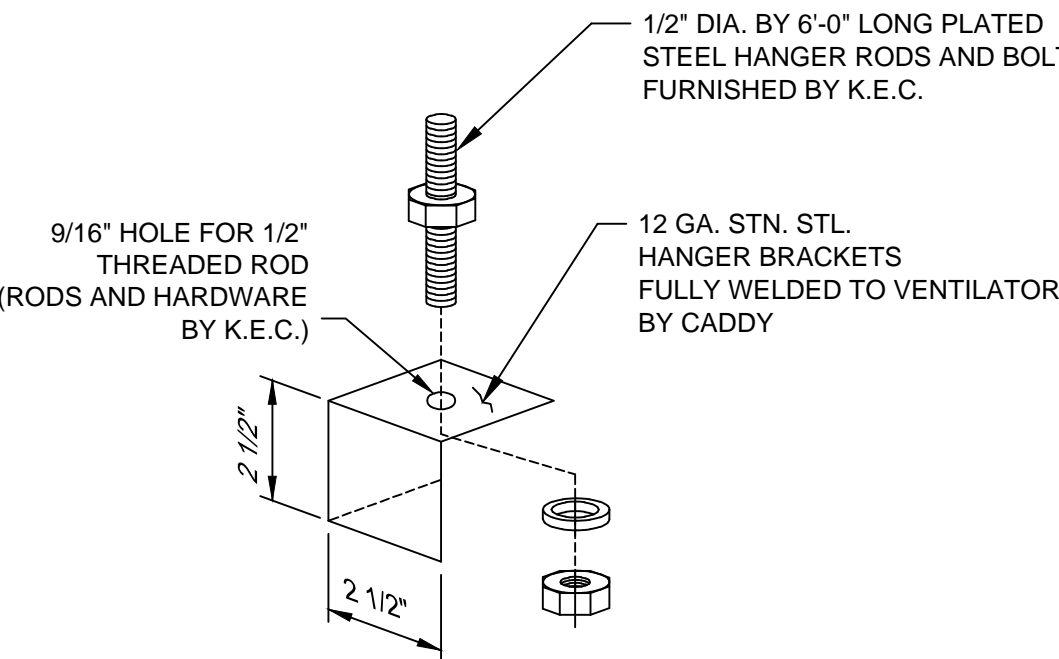
AIR TEMPERATURE SHOULD RANGE FROM 60° TO 65°F, BUT MAY BE AS LOW AS 50° F DEPENDING ON AIR VOLUME, DISTRIBUTION, AND INTERNAL HEAT LOAD



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



SECTION Z-Z
SCALE: 3/4"=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 12'-3/8" LONG x 6'-0" WIDE x 29" HIGH ESTIMATED TOTAL HANGING WEIGHT: 2,527 LBS.

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

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.

ROUGH-IN SCHEDULE		REVISIONS	
SYM	QTY	REV	DATE
D	1		
E	2		
DESCRIPTION		REMARKS	
120V, 60HZ, 1PH, 0.32 K.W. FROM UDS			
22 WIRE INTERLOCK BY ELECTRICAL CONTRACTOR (EACH)			

DATE	SCALE
12-9-11	AS NOTED
DR BY DRA	APP'D BY B.J.W.

CADDY CORPORATION
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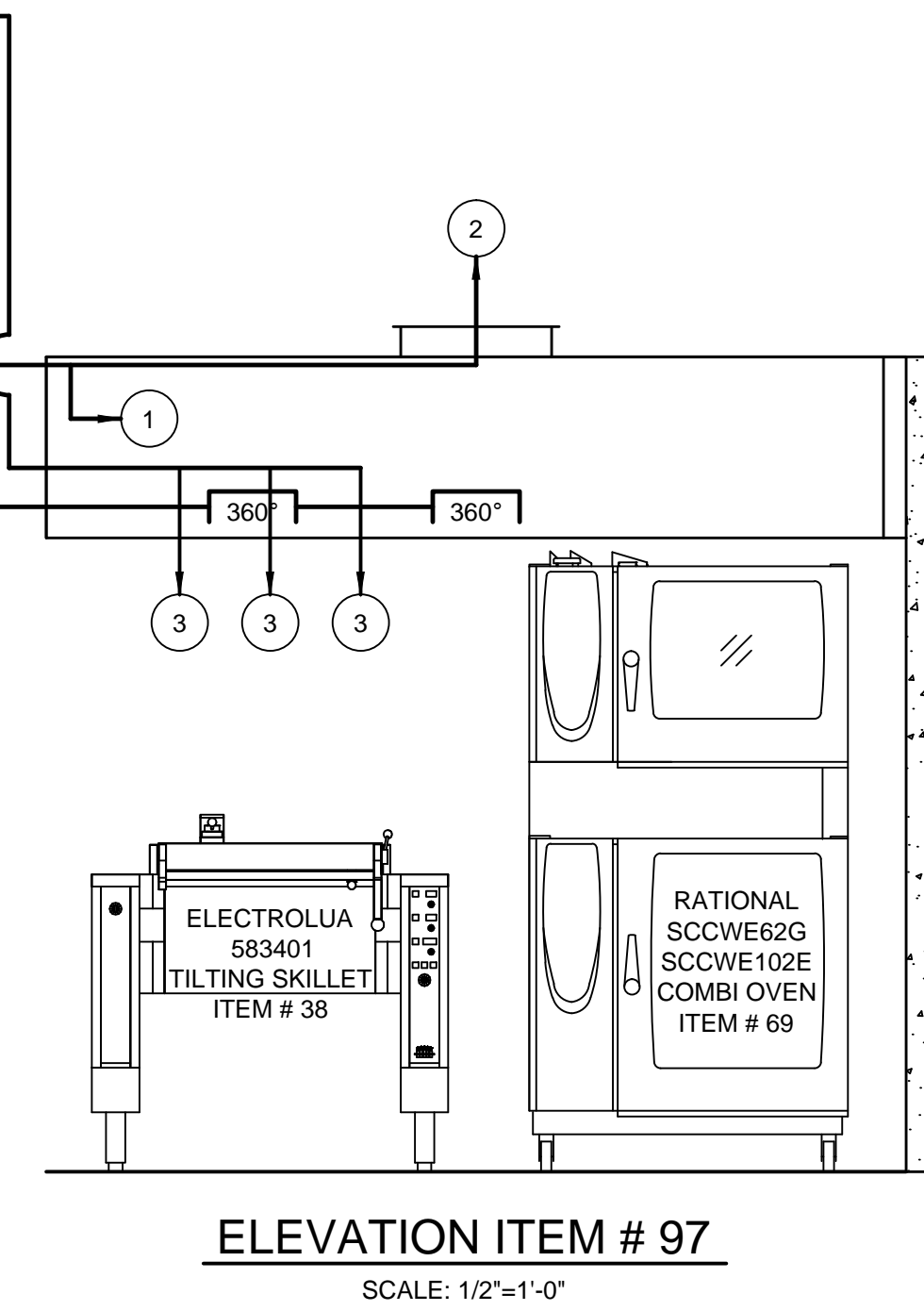
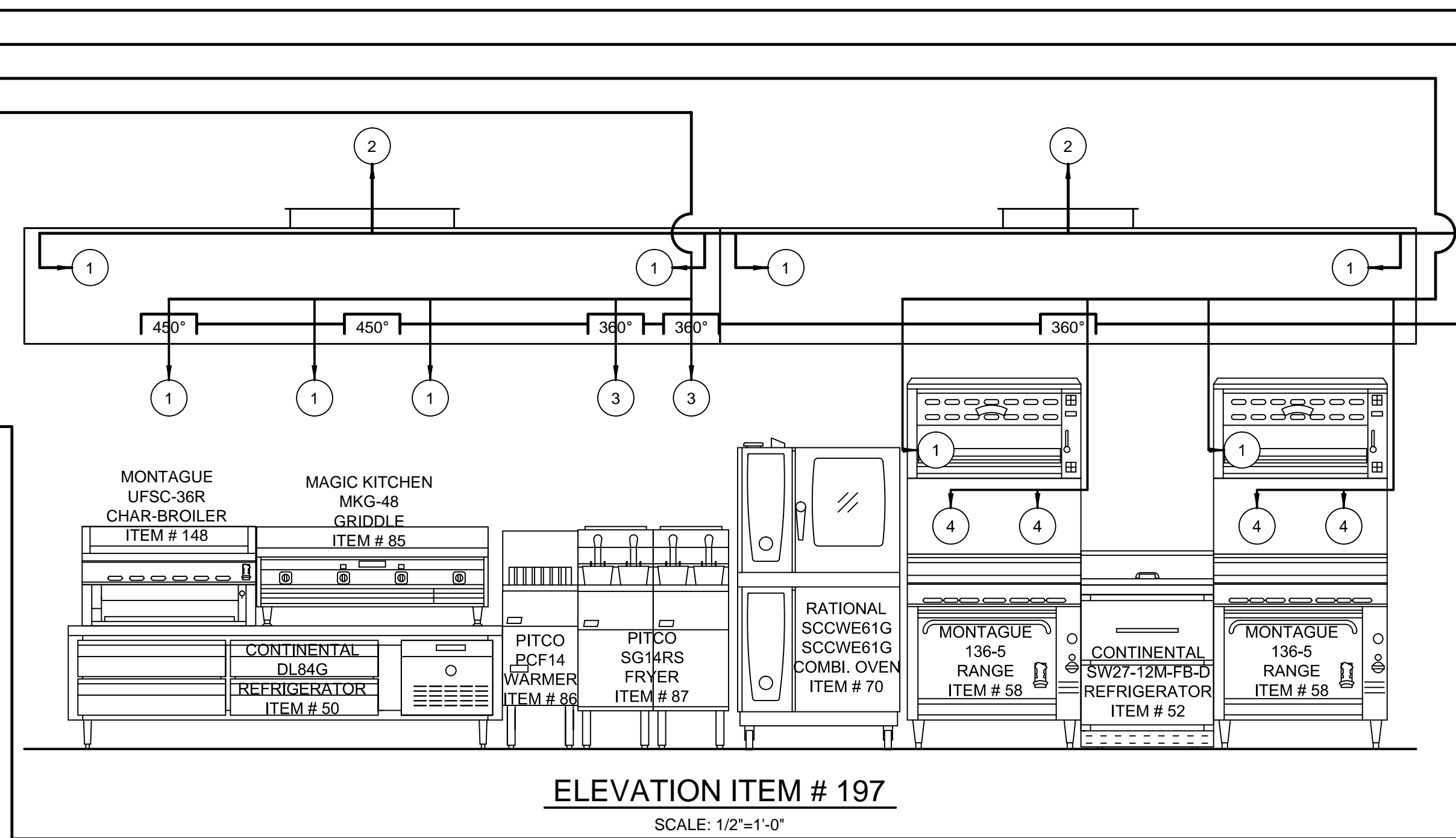
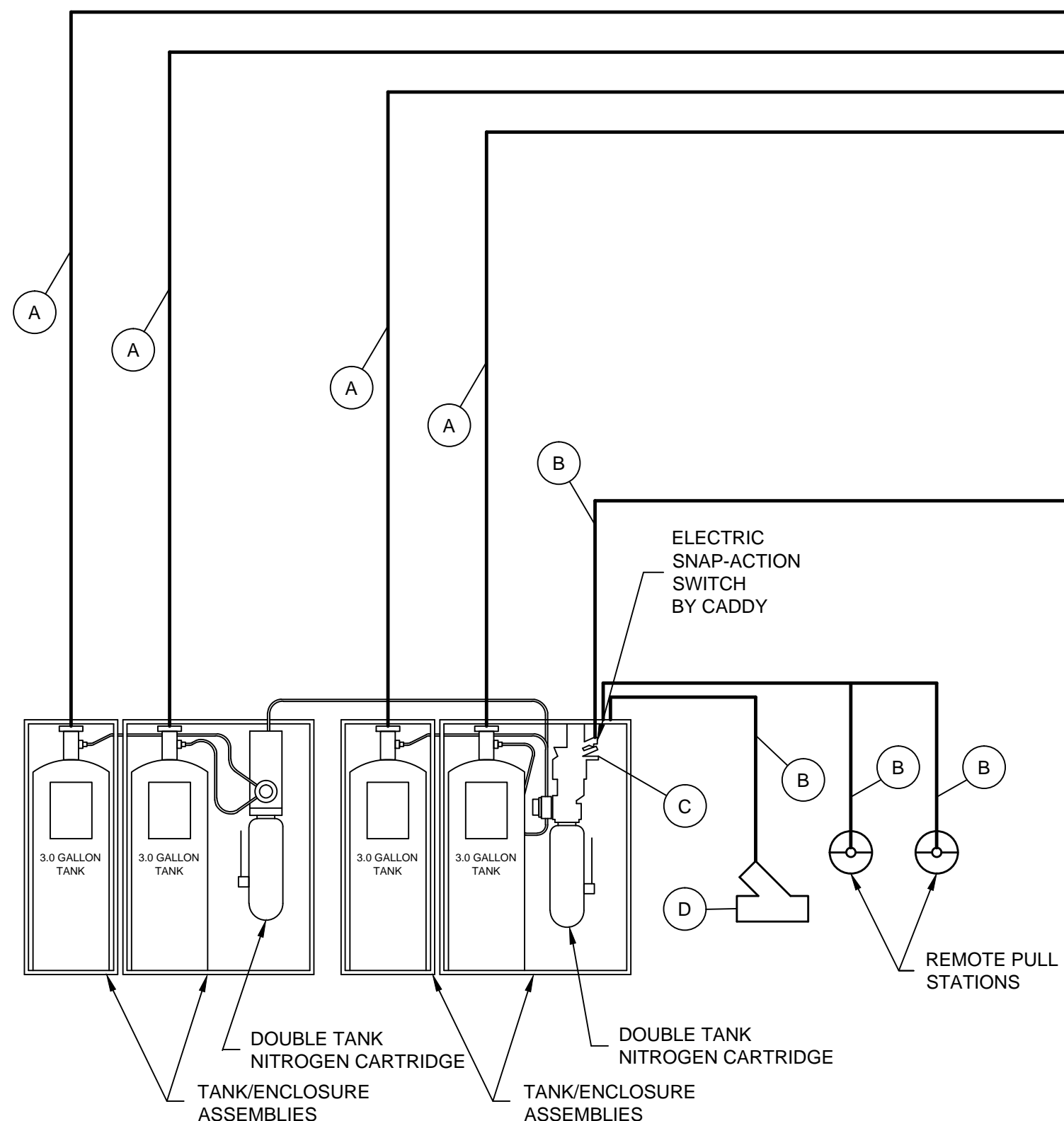
EQUIPMENT SCHEDULE

SHBCU-C-W-144.375-ND-72
W/ CEILING SUPPLY PLENUMS

CADDY NO. _____ ITEM NO. _____

JOB: _____
LOC: _____
CUST: _____
CUST #: _____

DWG# _____ **SHT 2**
OF 9

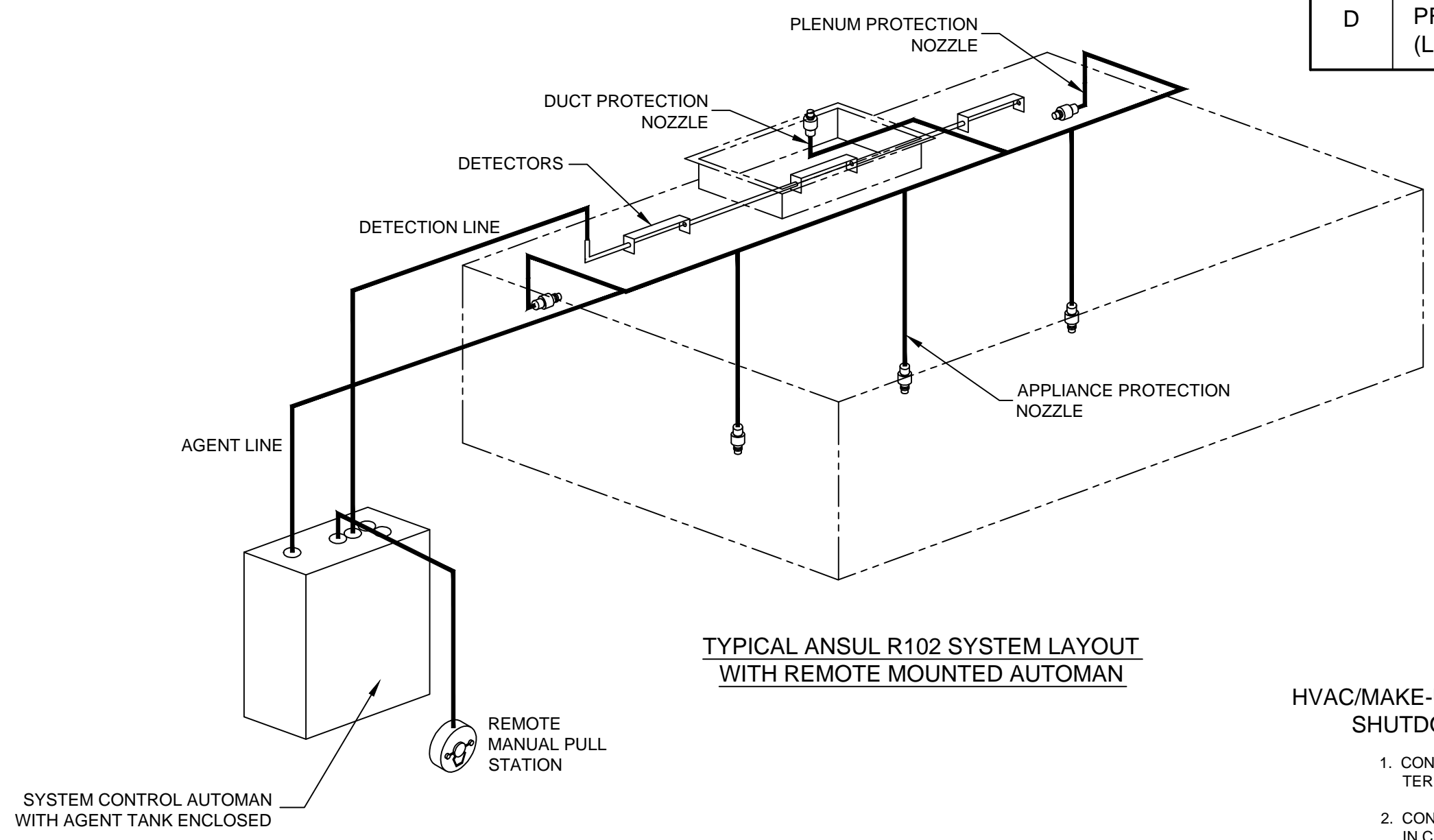


ANSUL ROUGH-IN

SYM	DESCRIPTION
A	3/8" SCH 40 BLACK IRON PIPE. ALL EXPOSED PIPING TO BE CHROME PLATED OR STN./STL.
B	1/2" EMT CONDUIT
C	MICRO SWITCH FOR ELECTRIC SHUT-DOWN AND/OR ALARM BY CADDY WIRING BY E.C.
D	120V/1/60 SOLENOID TYPE GAS VALVE PROVIDED AND INSTALLED BY CADDY (LOCATED IN UDS RISER ITEM # 155).

ANSUL NOZZLE DATA

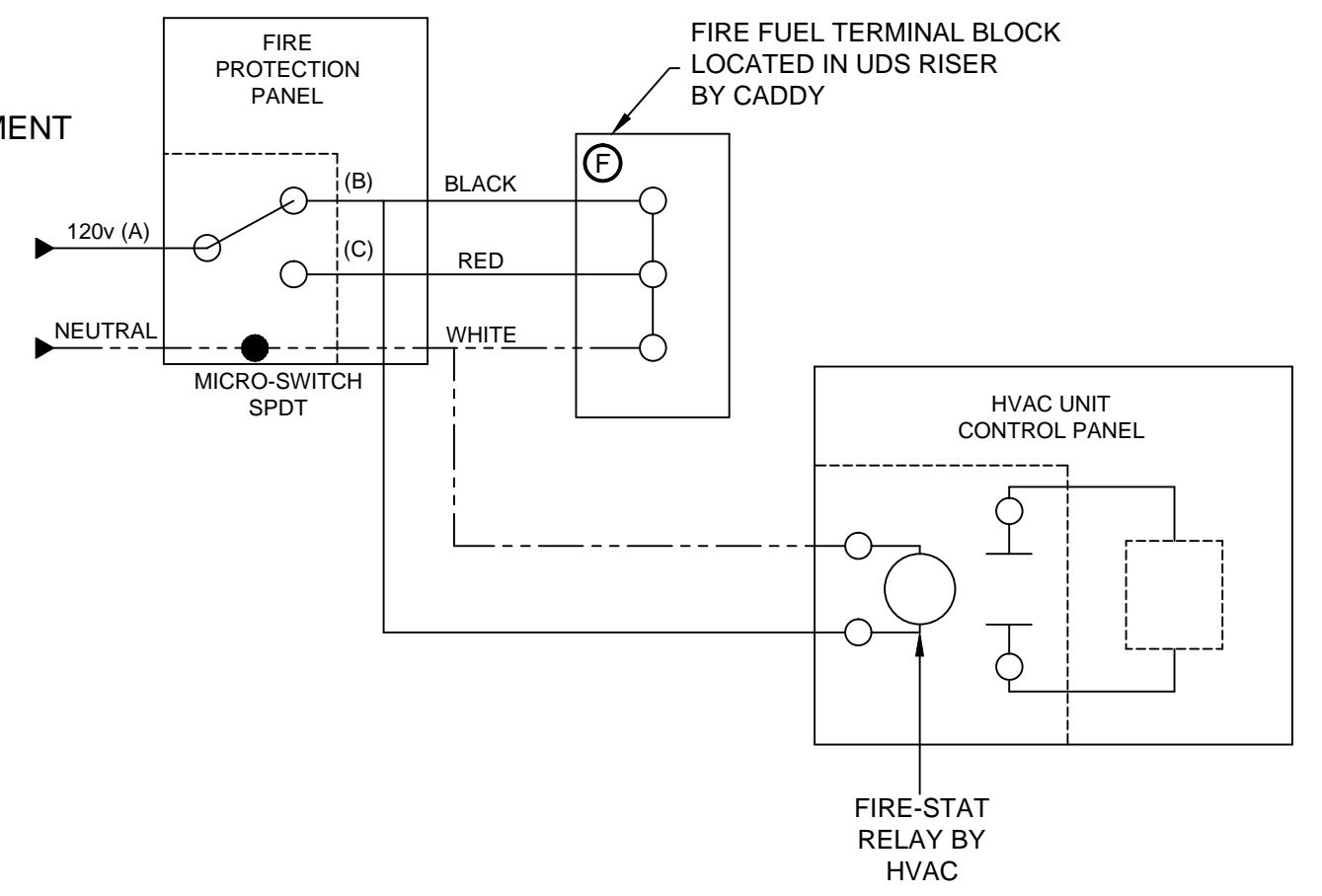
SYM	QTY	DESCRIPTION	FLOW POINTS EACH	MIN.-MAX. HEIGHT ABOVE HAZARD
1	10	ANSUL #1N	1	
2	3	ANSUL #2W	2	
3	5	ANSUL #3N	3	21"-34"
4	4	ANSUL #245	2	40"-50"



ANSUL R-102 3/3/3 SYSTEM
FOR VENTILATOR ITEMS # 97/197

WET CHEMICAL FIRE PROTECTION SYSTEM INTERLOCK

- HVAC/MAKE-UP AIR AND GAS/ ELECTRICAL EQUIPMENT SHUTDOWN USING AN ELECTRIC GAS VALVE
- CONNECT THE INCOMING LIVE LEAD (A) TO THE COMMON TERMINAL SWITCH.
 - CONNECT THE BLACK WIRE TO THE TERMINAL MARKED F3 IN CADDY UDS RISER & FIRE STAT RELAY (B)
 - CONNECT THE RED WIRE TO THE TERMINAL MARKED F1 IN CADDY UDS RISER
 - CONNECT THE WHITE WIRE TO THE TERMINAL MARKED F2 IN CADDY UDS RISER



- OPERATION**
- WHEN DETECTION LINES OR HAND "PULL" STATION ENERGIZE THE FIRE PROTECTION SYSTEM, THE MICRO-SWITCH REPOSITIONS TO:
- INTERRUPT SERVICE TO THE GAS SOLENOID VALVES AND ACTIVATE SHUNT TRIP CIRCUIT BREAKER, SHUTTING OFF FUEL AND POWER TO THE EQUIPMENT CONNECTED TO THE CADDY UDS SYSTEM.
 - TRANSFER POWER TO THE FIRE-STAT RELAY TO OPEN CONTACT TO SHUT DOWN HVAC UNIT.

INSTALLATION INFORMATION

ALLOW SUFFICIENT AREA TO MOUNT ANSUL ON CLOSEST STRUCTURAL WALL TO VENTILATOR
MAXIMUM ANSUL ENCLOSURE DIMENSIONS
50" LONG x 7 1/2" DEEP x 23 1/2" HIGH
ESTIMATED TOTAL HANGING WEIGHT: 150 LBS.
ENCLOSURE MOUNTING HEIGHT 7'-0"



UNDERWRITERS LABORATORIES, INC.
TESTED UNDER STANDARD U.L. 300 FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF RESTAURANT COOKING AREAS



GENERAL CONTRACT CONDITIONS

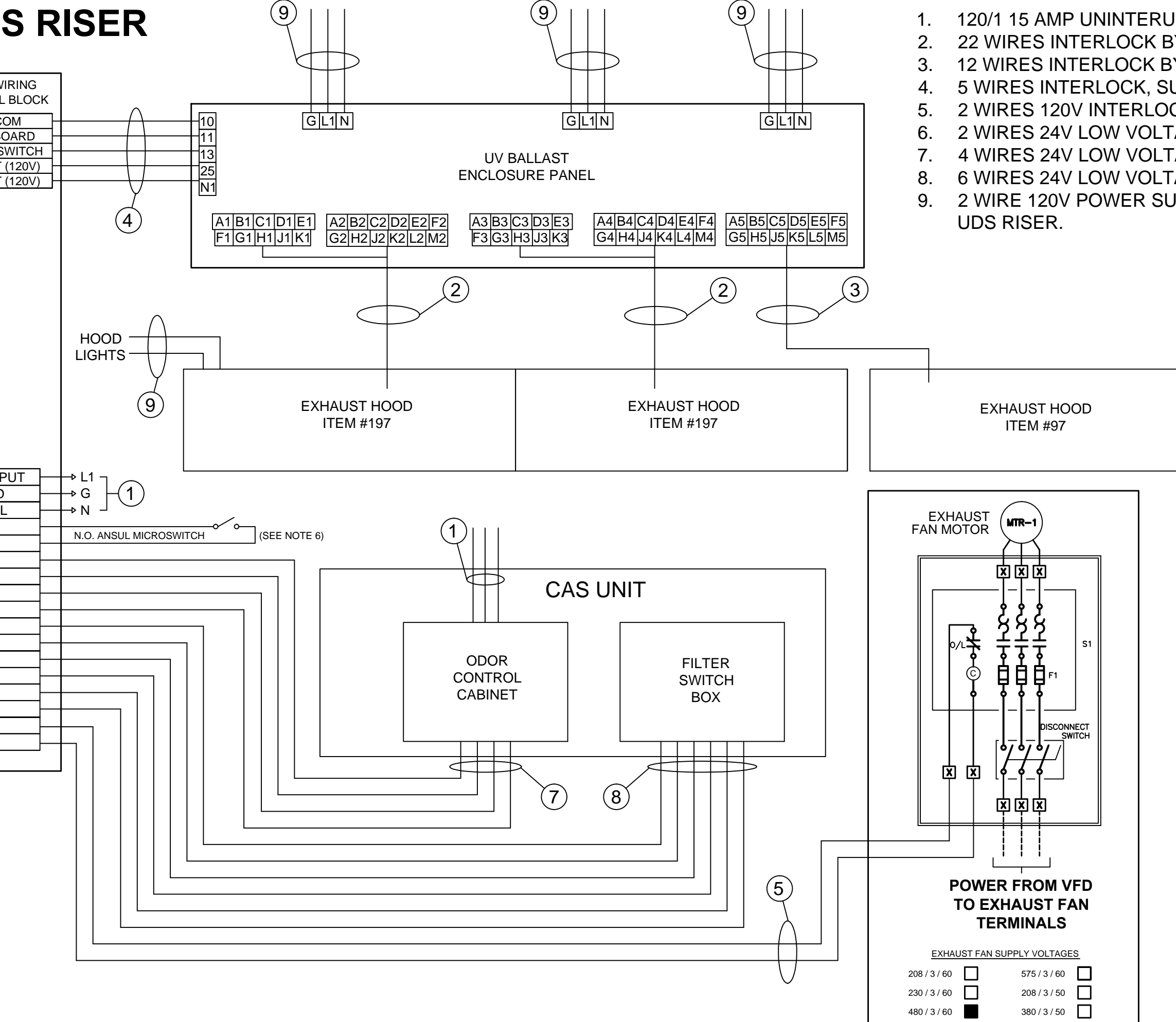
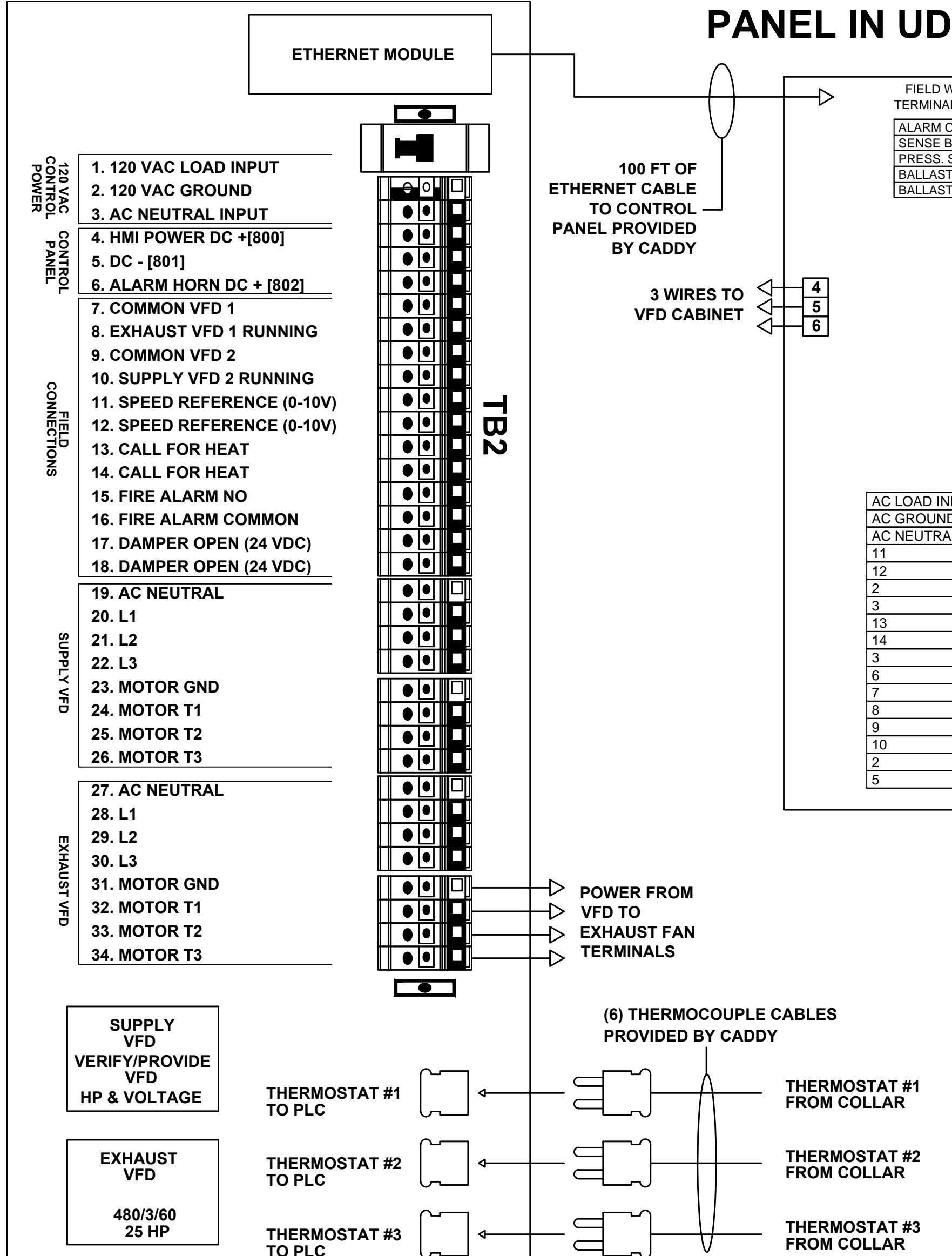
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REVISIONS			
REV	DATE	BY	REMARKS

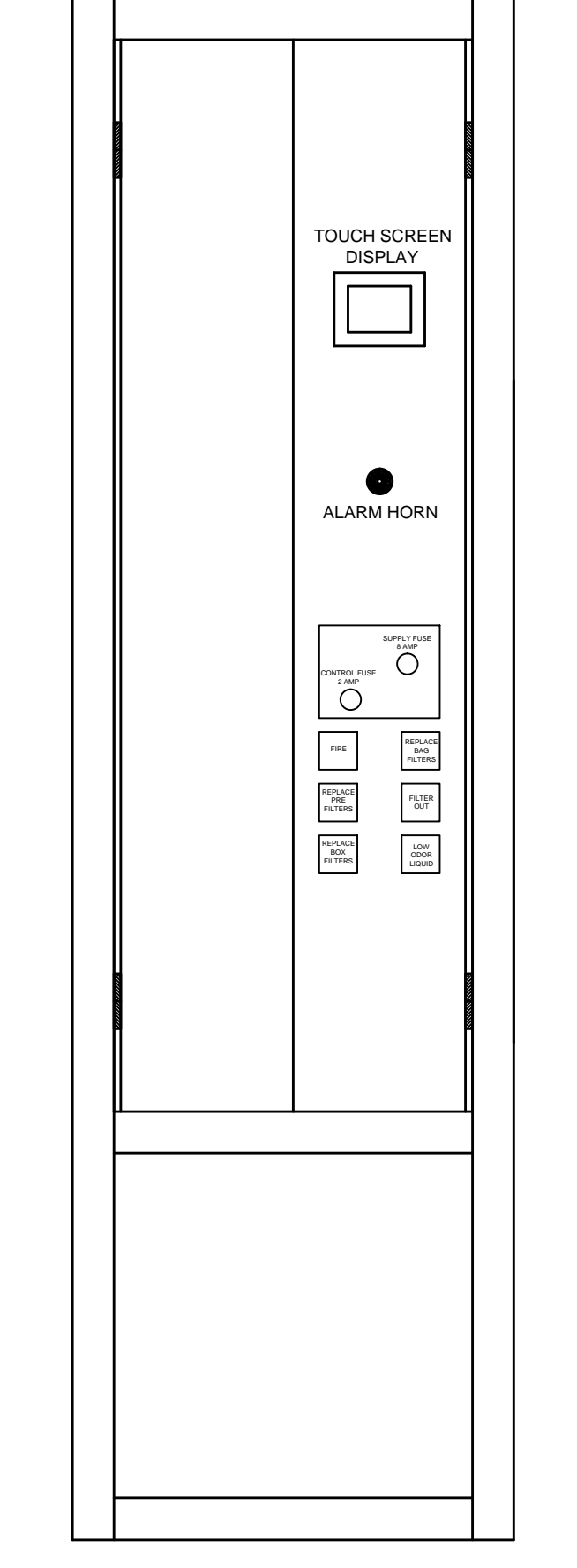
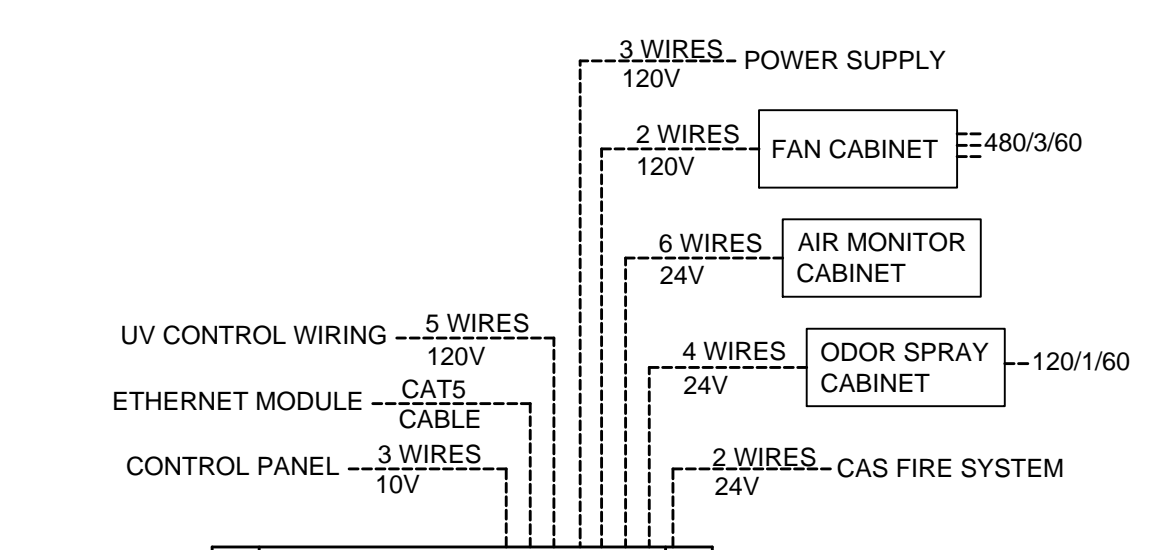
509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 internet: www.caddycorp.com	
EQUIPMENT SCHEDULE	
ANSUL R-102 3/3/3	
CADDY NO.	ITEM NO.
JOB:	LOC:
CUST:	CUST #:

DATE	12-9-11	SCALE	AS NOTED	DWG#	SHT 3 OF 9
DR BY	DRA	APP'D BY	BGN		

VFD CABINET (CONFIRM LOCATION) UV & CAS CONTROL PANEL IN UDS RISER



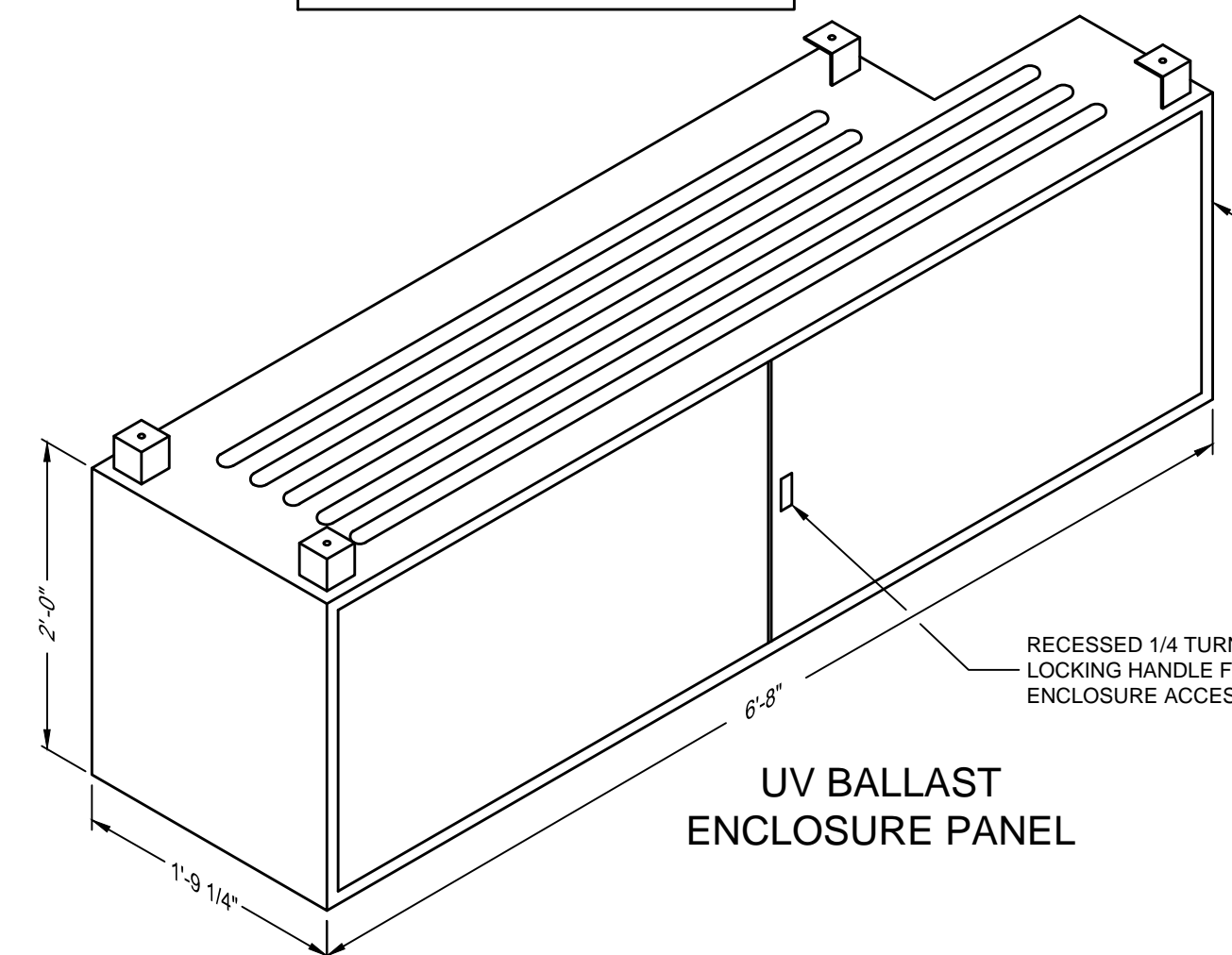
- 120/1 15 AMP UNINTERRUPTED POWER SUPPLY BY ELECTRICAL CONTRACTOR
- 22 WIRES INTERLOCK BY ELECTRICAL CONTRACTOR
- 12 WIRES INTERLOCK BY ELECTRICAL CONTRACTOR
- 5 WIRES INTERLOCK, SUPPLIED OR RECONNECTED BY ELECTRICAL CONTRACTOR
- 2 WIRES 120V INTERLOCK BY ELECTRICAL CONTRACTOR TO ENERGIZE EXHAUST FAN MOTOR COIL WHEN UV SYSTEM IS TURNED ON.
- 2 WIRES 24V LOW VOLTAGE INTERLOCK FROM CAS UNIT ANSUL MICRO SWITCH BY ELECTRICAL CONTRACTOR.
- 4 WIRES 24V LOW VOLTAGE INTERLOCK TO THE ODOR CONTROL CABINET BY ELECTRICAL CONTRACTOR
- 6 WIRES 24V LOW VOLTAGE INTERLOCK TO THE AIR MONITOR CABINET BY ELECTRICAL CONTRACTOR
- 2 WIRE 120V POWER SUPPLY FROM UDS, TO BE RECONNECTED BY ELECTRICAL CONTRACTOR. THE CONDUIT AND WIRE CAN BE FOUND IN THE UDS RISER.



- TERMINAL REVIEW VFD CABINET**
- 1-3: MAIN POWER FOR THE SYSTEM (BY EC)
 - 4-6: DC POWER CREATED BY OUR SYSTEM TO THE CONTROL PANEL TO POWER THE SCREEN (BY FEC)
 - 7-8: CONTACT CLOSURE TO MONITOR EXHAUST FAN ON/OFF (BY HVAC)
 - 9-10: CONTACT CLOSURE TO MONITOR SUPPLY FAN ON/OFF (BY HVAC)
 - 11-12: SPEED REFERENCE SIGNAL 0-10V. MAY BE USED TO MODULATE BUILDING SUPPLY AIR (BY HVAC)
 - 13-14: TURNS ON HOODS IF "CALL FOR HEAT" OCCURS WHEN FANS ARE OFF (BY HVAC)
 - 15-16: TYPICAL FIRE TERMINALS (BY EC)
 - 17-18: DAMPER TERMINALS PROVIDE 24 VDC (BY HVAC)
 - 19-34: POWER FROM BUILDING PANEL TO TERMINALS FOR VFD AND POWER FROM VFDS TERMINALS TO FANS (BY EC)

[] VERIFY VFD QUANTITIES AND HP SIZES

SMART HOOD ENCLOSURE LOCATION TO BE VERIFIED .



SEQUENCE OF OPERATION

PRESS THE MANUAL START BUTTON TO TURN THE FANS ON IN THE AUTO MODE. THIS WILL ACCOMPLISH THE FOLLOWING:

CONTROL PANEL WILL SEND A RUN COMMAND AND SPEED REFERENCE SIGNAL TO THE VARIABLE FREQUENCY DRIVES.

THE SMART HOOD STARTS THE FANS AT IDLE SPEED AND AUTOMATICALLY ADJUSTS EXHAUST AIR FLOW BASED ON ACTUAL COOKING LOADS AS SENSED BY THE TEMPERATURE SENSORS MOUNTED IN THE HOODS.

THE VFD CABINET WILL SEND A 0-10 VDC SIGNAL TO THE BAS SO THAT THE BUILDING SUPPLY AIR WILL MODULATE WITH THE EXHAUST. (IF APPLICABLE)

THE CONTROL PANEL WILL CONTROL A SUPPLY AIR VFD ON THE MUA UNIT BLOWER. THE CONTROL PANEL WILL SEND A 24VAC SIGNAL TO THE MUA UNIT TO ENERGIZE THE CONTROL CIRCUIT. IN THE EVENT THE MUA UNIT GOES INTO HEATING MODE, THE MUA UNIT WILL PROVIDE A DRY CLOSURE SIGNAL TO THE VFD CABINET TO ENSURE THE FANS TURN ON.

PRESS THE FANS BUTTON AGAIN TO TURN OFF THE FANS..

PRESS THE 100% BUTTON FOR SMOKE EVACUATION TO BYPASS THE SENSORS AND OPERATE THE FANS AT FULL SPEED FOR 10 MINUTES.

IN THE EVENT OF A FIRE, THE VFD CABINET WILL RECEIVE A SIGNAL FROM THE FIRE SUPPRESSION SYSTEM. THE EXHAUST FAN WILL REMAIN ON AND GO TO 100% AND THE SUPPLY FAN WILL TURN OFF.



GENERAL CONTRACT CONDITIONS

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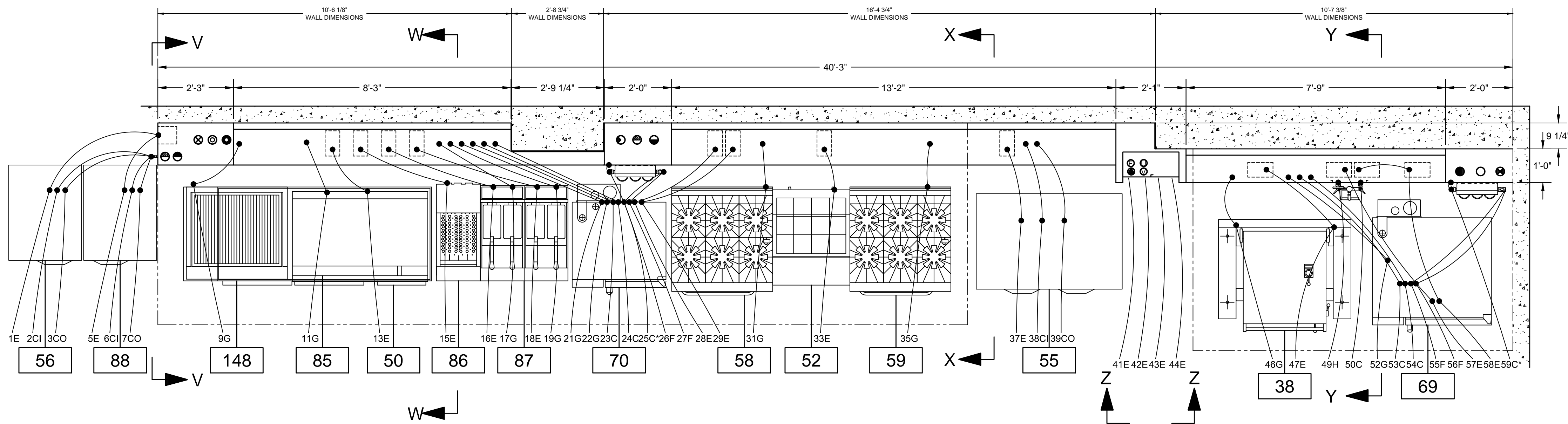
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ALL WIRING AND PLUMBING AT THE JOB SITE IS THE RESPONSIBILITY OF OTHERS. EQUIPMENT WILL BE CONSTRUCTED IN ACCORDANCE WITH OUR DRAWING(S) WHICH MUST BE APPROVED PRIOR TO FABRICATION. ANY SUBSEQUENT CHANGES REQUIRED MUST BE SUBMITTED TO US IN WRITING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

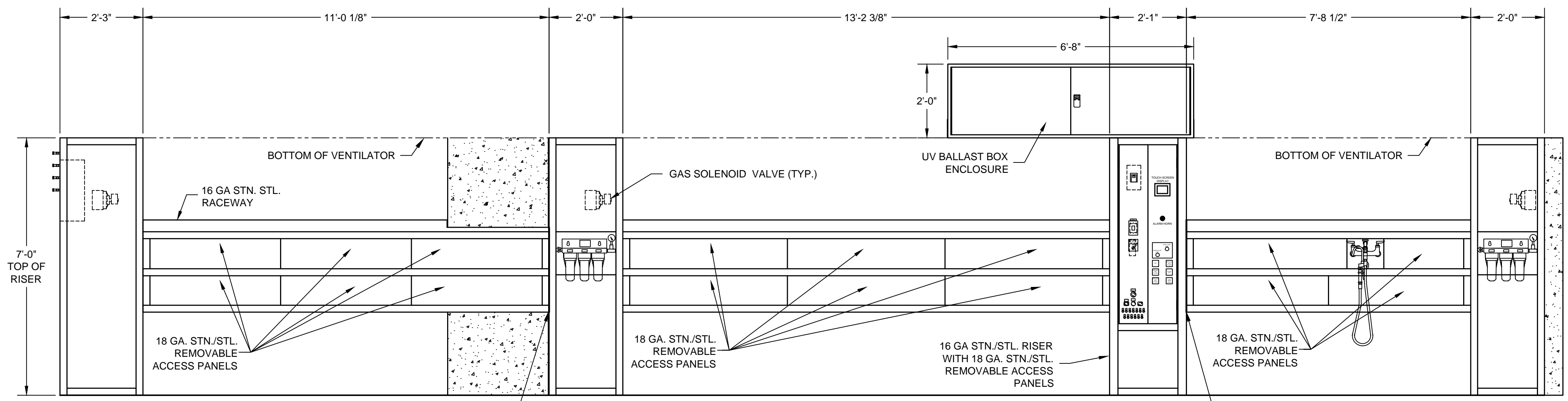
REVISIONS			
REV	DATE	BY	REMARKS

<p>509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 Internet: www.caddycorp.com</p>		P.O. Box 345
EQUIPMENT SCHEDULE		
CPE-U		
CADDY NO.	ITEM NO.	
JOB:	LOC:	
CUST:	CUST #:	

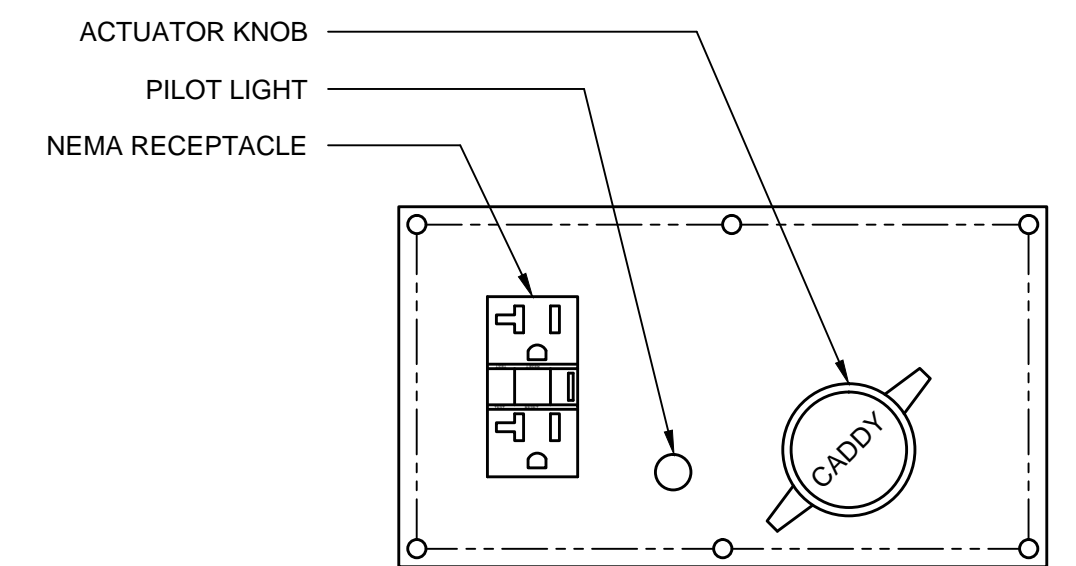
DATE	12-9-11	SCALE	AS NOTED	DWG#	SHT 4 OF 9
DR BY	DRA	APP'D BY	BGN		



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



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



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.)

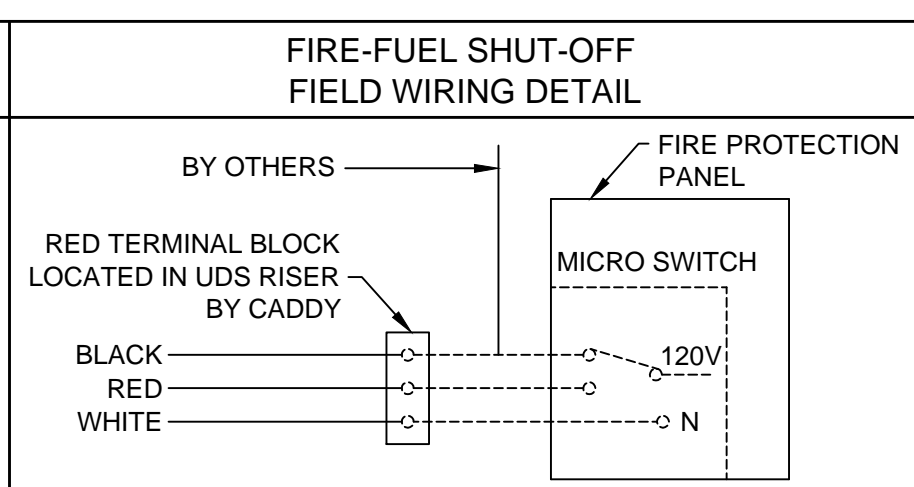
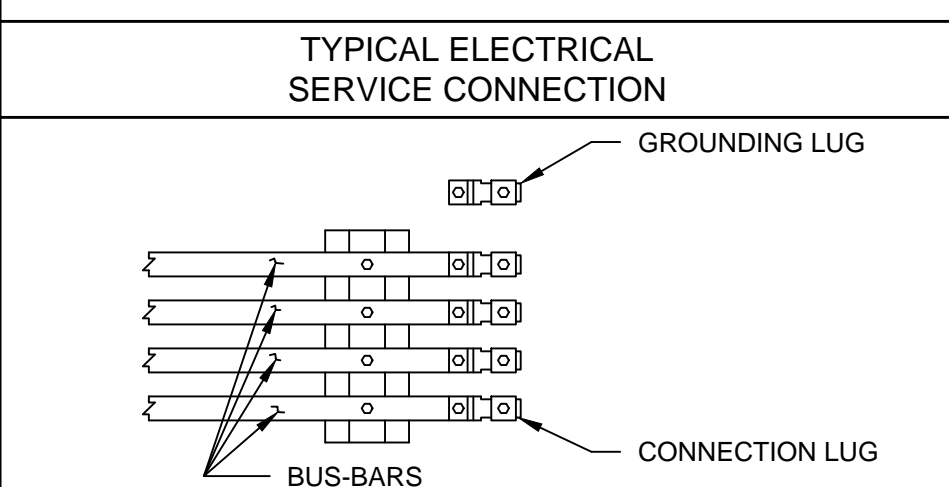
AT TIME OF UDS MANUFACTURING, (2) HYDROLIFE 3002 WATER FILTER TO BE FURNISHED AND INSTALLED BY CADDY.

* - AT TIME OF UDS MANUFACTURING, (2) HYDROLIFE 3002 WATER FILTER TO BE HARD CONNECTED TO THE U.D.S. BY CADDY.

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

ALL UTILITIES INCLUDE 25% OVER-CAPACITY FOR FUTURE EXPANSION

T & S BRASS MODEL # B-0167-01 FAUCET TO BE FURNISHED BY K.E.C. AND INSTALLED BY CADDY AT TIME OF MANUFACTURE. HOOK TO BE MOUNTED TO SKILLET BY OTHERS



- NOTES**
- THIS UNIT IS TO BE SHIPPED IN THREE (3) PIECES AS SHOWN IN PLAN VIEW. [] VERIFY FOR ENTRANCE INTO BUILDING AND UNIT AREA.
 - [] VERIFY ROUGHING SCHEDULE.
 - NAT'L SANITATION FOUNDATION-STANDARD #2-"FOOD SERVICE EQUIPMENT". UNIFORM BUILDING CODE (ICBO). ETL LISTED. CONTROL # 3177269.
 - ALL "VERIFIES" ON THIS DRAWING MUST BE CONFIRMED. YOUR FABRICATION APPROVAL SHALL INDICATE YOUR ACCEPTANCE AS SHOWN.
 - ELECTRICAL CONTRACTOR MUST ROUGH-IN UP TO THE BUS-BAR CONNECTION LUGS. APPROXIMATE 36" A.F.F.

SYM	QTY	DESCRIPTION	PLEASE SPECIFY		
			CEILING	FLOOR	OTHER
⊙	1	120/208V, 3Ø, 60Hz, 200 AMPS			
⊗	1	1 1/2" GAS SUPPLY 700 MBTU			
⊙	1	1 1/2" GAS SUPPLY 630 MBTU			
⊙	1	1 1/2" GAS SUPPLY 178 MBTU			
⊙	1	3/4" HOT WATER SUPPLY			
⊙	1	3/4" COLD WATER SUPPLY			
⊙	1	3/4" HOT WATER SUPPLY			
⊙	1	1" COLD WATER SUPPLY			
⊙	2	3/4" CHILLED WATER SUPPLY			
⊙	2	3/4" CHILLED WATER RETURN			
⊙	1	FIRE FUEL SHUT-OFF SEE DETAIL			
⊙	1	UV CONTROL PANEL			
⊙	3	UV BALLAST POWER SUPPLY			

REVISIONS			
REV	DATE	BY	REMARKS

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Tel: 856-467-4222
Internet: www.caddycorp.com
P.O. Box 345
Fax: 856-467-5511

EQUIPMENT SCHEDULE

WL-EGW-041
40'-3" LONG

CADDY NO. ITEM NO.

JOB:
LOC:
CUST:
CUST #:

DATE: 12-9-11 SCALE: AS NOTED
DR BY: DRA APP'D BY: *BJW*

DWG# SHT 5 OF 9

GENERAL CONTRACT CONDITIONS

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CODE COMPLIANCE

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

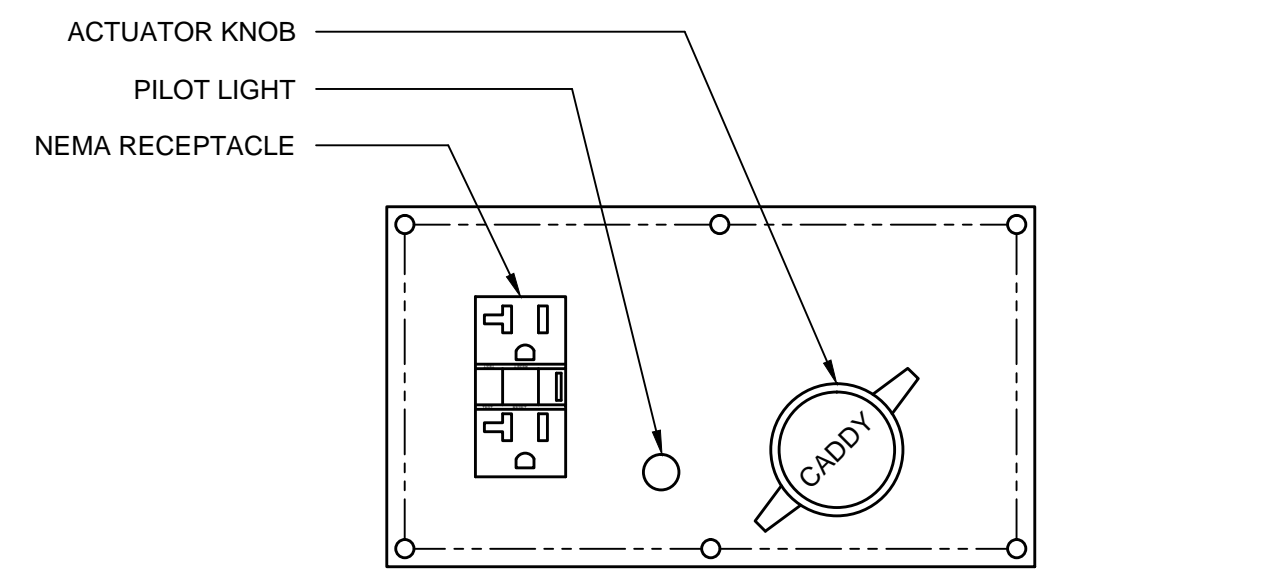
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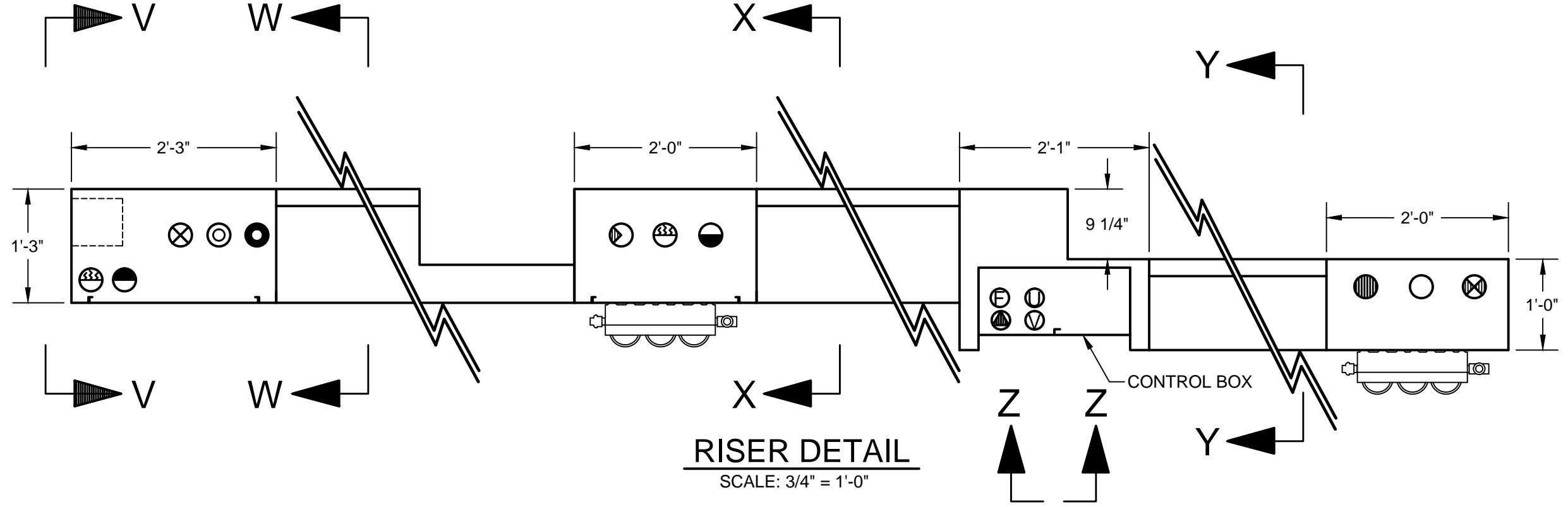
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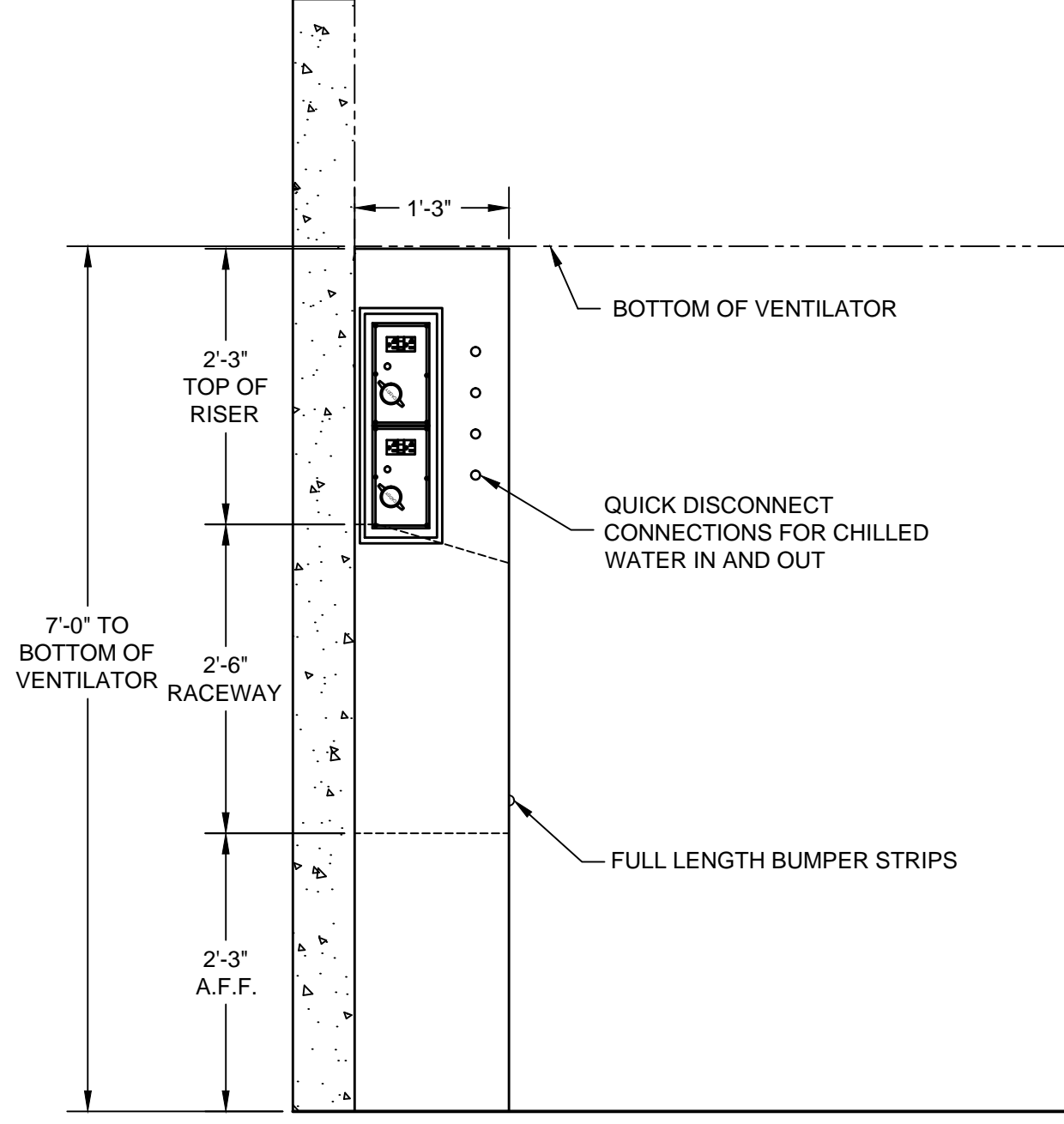


TYPICAL CADDY CONNECTION PLATE

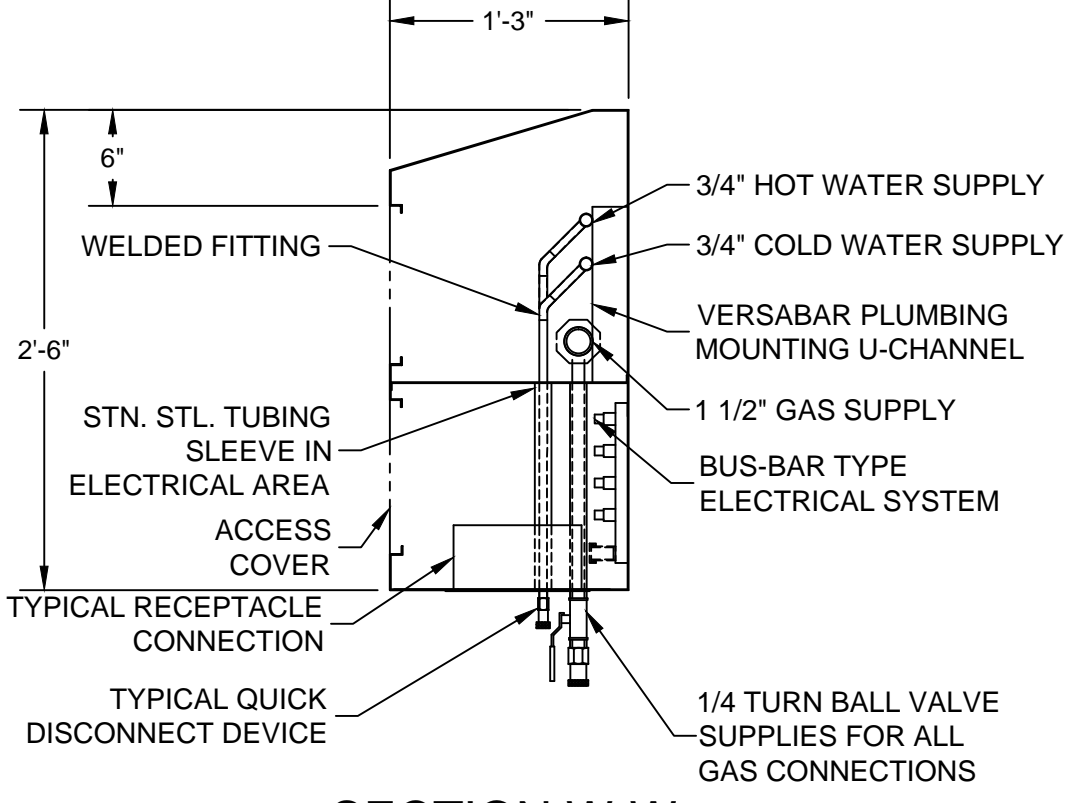
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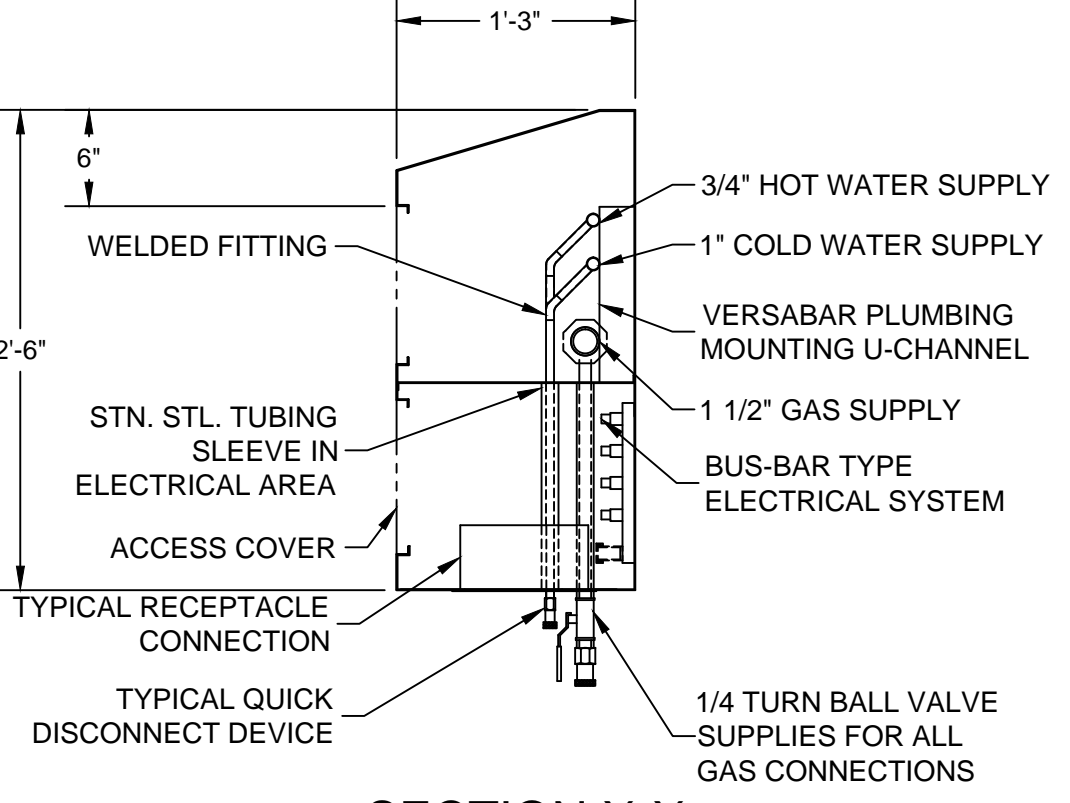
RISER DETAIL
SCALE: 3/4" = 1'-0"



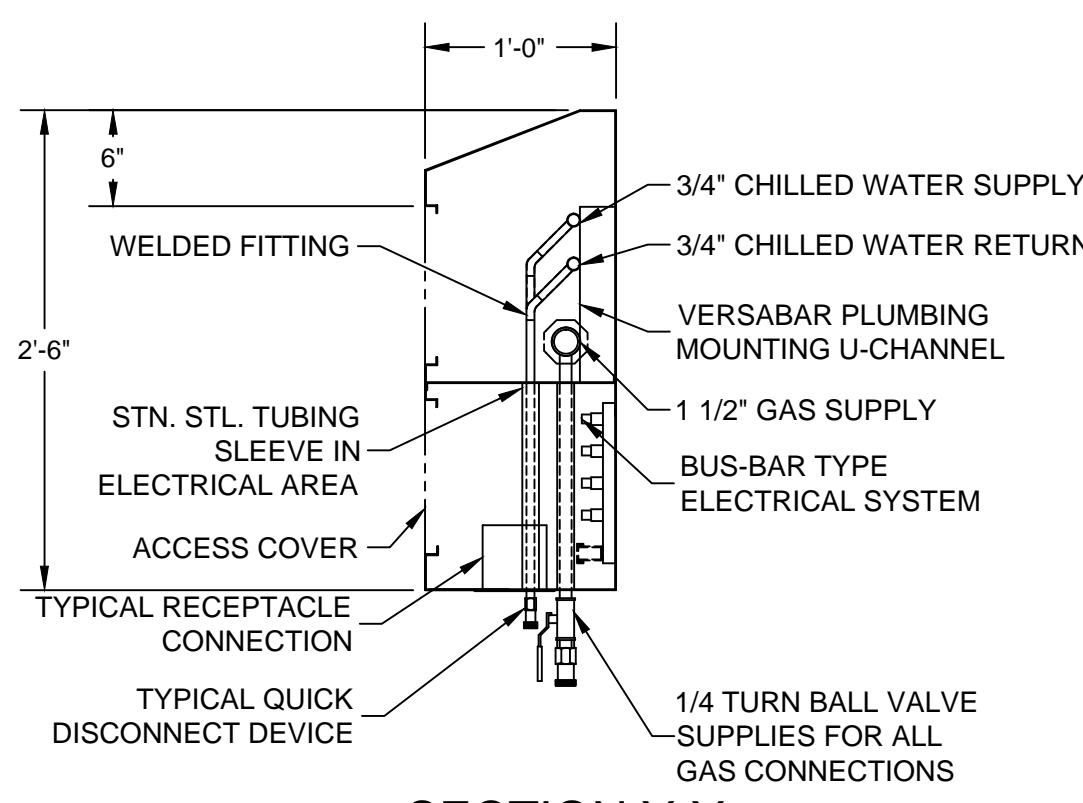
END VIEW V-V
SCALE: 3/4" = 1'-0"



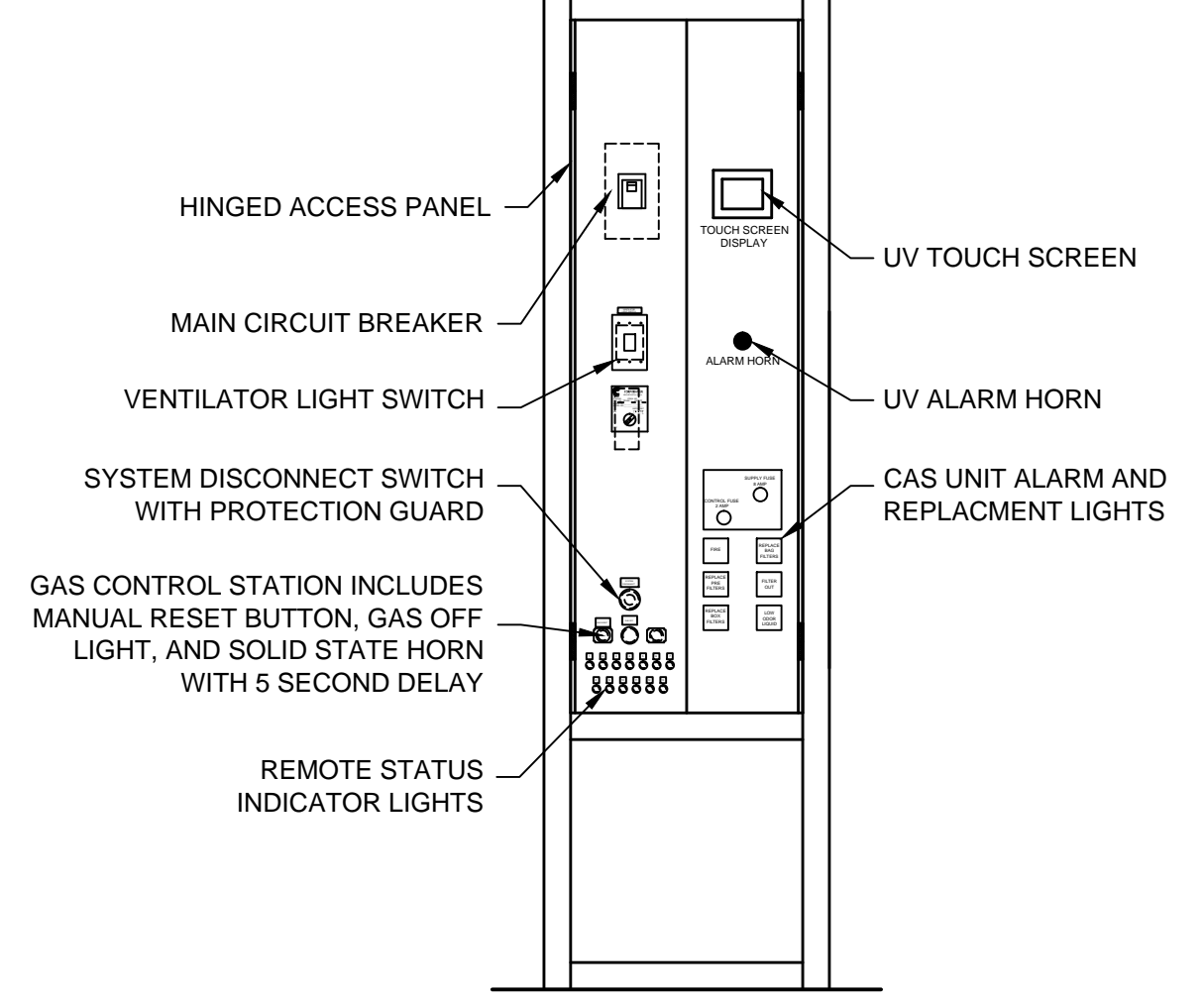
SECTION W-W
SCALE: 1" = 1'-0"



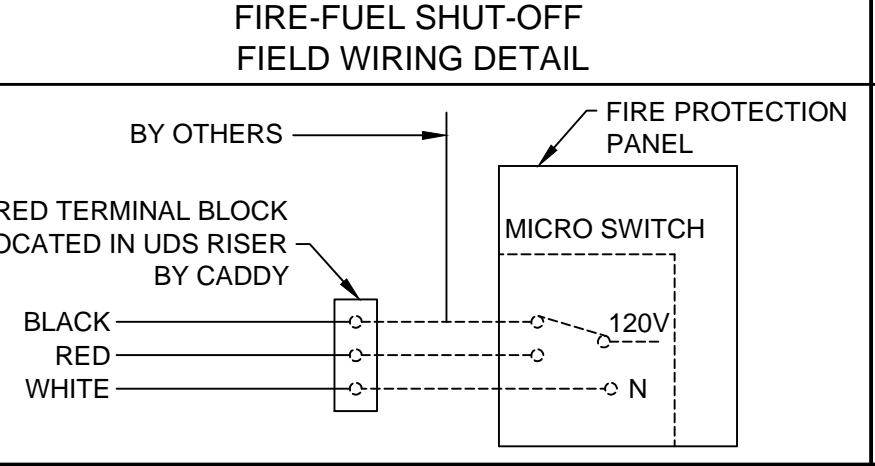
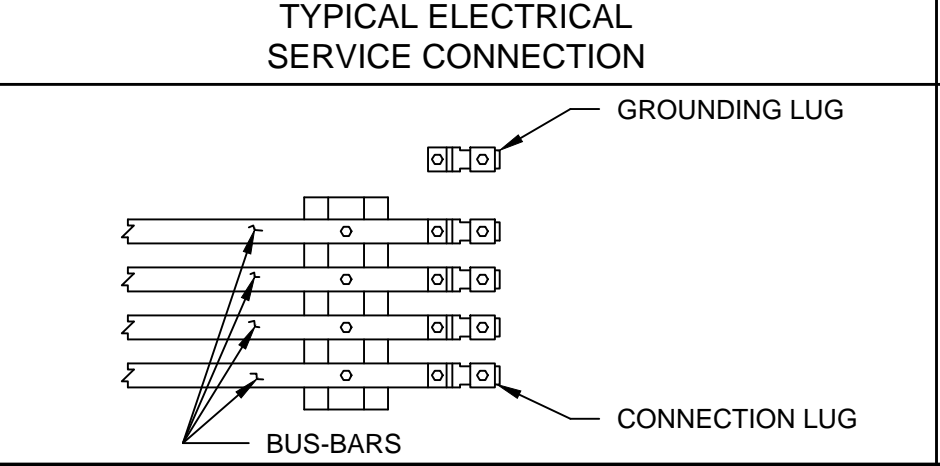
SECTION X-X
SCALE: 1" = 1'-0"



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



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



NOTES

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⊕	1	UV CONTROL PANEL			
⊕	3	UV BALLAST POWER SUPPLY			

REVISIONS			
REV	DATE	BY	REMARKS

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

EQUIPMENT SCHEDULE

WL-EGW-041
40'-3" LONG

CADDY NO. ITEM NO.

JOB:
LOC:
CUST:
CUST #:

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DATE: 12-9-11 SCALE: AS NOTED
DR BY: DRA APP'D BY: *B.J.W.* DWG# SHT 6 OF 9

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 DISCONNECT	HC=HARD CONN.

SCHEDULE OF UTILITY CONNECTIONS

CONN. NO.	ITEM NO.	EQUIPMENT DESCRIPTION	ELECTRICAL							GAS		CHILLED WATER		WATER 60 PSI (MAX.)			CONNECTIONS			FIRE FUEL SHUT-OFF	ISOLATED DISCONNECT	
			KW	AMPS	VOLTS	Ø	BREAKER AMPS	NEMA NO.	OUTLET NO.	BTU'S PER HOUR	IPS	TRANSITION SIZE	SUPPLY IPS	RETURN IPS	HOT	COLD	FILTERED	CONNECTION TYPE	CONN. LENGTH			CONN. STYLE
1E	56	REFRIGERATOR	0.8	6.9	120	1	20	5-20R	5362									CORD & PLUG	6'-0"	GF	X	
2CI	56	REFRIGERATOR																HOSE	6'-0"	QD		
3CO	56	REFRIGERATOR																HOSE	6'-0"	QD		
4		SPARE NUMBER																				
5E	88	FREEZER	0.9	7.6	120	1	20	5-20R	5362									CORD & PLUG	6'-0"	GF	X	
6CI	88	FREEZER																HOSE	6'-0"	QD		
7CO	88	FREEZER																HOSE	6'-0"	QD		
8		SPARE NUMBER																				
9G	148	CHARBROILER								114,000	3/4"							HOSE	6'-0"	QD	X	X
10		SPARE NUMBER																				
11G	85	GRIDDLE								120,000	3/4"							HOSE	6'-0"	QD	X	X
12		SPARE NUMBER																				
13E	50	REFRIGERATOR BASE	0.9	7.5	120	1	20	5-20R	5362									CORD & PLUG	6'-0"	GF	X	
14		SPARE NUMBER																				
15E	86	WARMER	1.82	15.1	120	1	20	5-20R	5362									CORD & PLUG	6'-0"	GF	X	
16E	87	FRYER	.08	0.7	120	1	20	5-20R	5362									CORD & PLUG	6'-0"	GF	X	
17G	87	FRYER								122,000	3/4"							HOSE	6'-0"	QD	X	X
18E	87	FRYER	.08	0.7	120	1	20	5-20R	5362									CORD & PLUG	6'-0"	GF	X	
19G	87	FRYER								122,000	3/4"							HOSE	6'-0"	QD	X	X
20		SPARE NUMBER																				
21G	70	COMBI OVEN								41,000	3/4"							HOSE	6'-0"	QD	X	X
22G	70	COMBI OVEN								41,000	3/4"							HOSE	6'-0"	QD	X	X
23C	70	COMBI OVEN																HOSE	6'-0"	QD		
24C	70	COMBI OVEN																HOSE	6'-0"	QD		
25C*		WATER FILTER																DIRECT		HC		
26F	70	COMBI OVEN																HOSE	6'-0"	QD		
27F	70	COMBI OVEN																HOSE	6'-0"	QD		
28E	70	COMBI OVEN	0.7	3.3	208	1	15	6-15R	5661									CORD & PLUG	6'-0"		X	
29E	70	COMBI OVEN	0.7	3.3	208	1	15	6-15R	5661									CORD & PLUG	6'-0"		X	
30		SPARE NUMBER																				
31G	58	RANGE W/ SALAMANDER								252,000	1 1/4"	1"						HOSE	6'-0"	QD	X	X

INSTALLATION NOTES:

GENERAL CONDITIONS:

- ALL U.D.S. ELECTRIC AND PLUMBING WORK COMPLIES WITH THE FOLLOWING CODES: UNDERWRITERS LABORATORY STANDARDS, NATIONAL ELECTRICAL CODE, NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), NO. 54, AND NO. 96, AMERICAN GAS ASSOCIATION, AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
- ANY VARIANCES WITH CODES LISTED ABOVE MUST BE MADE KNOWN TO U.D.S. MANUFACTURER PRIOR TO FABRICATION.
- SIZE OF BUS-BARS ON TOTAL CONNECTED LOAD AS SHOWN IN SCHEDULE. U.D.S. MANUFACTURER MUST BE NOTIFIED, PRIOR TO FABRICATION, IF ADDITIONAL LOADS ARE REQUIRED; IT WILL BE THE OPTION OF THE U.D.S. MANUFACTURER TO ACCEPT OR REJECT THE CHANGES.
- U.D.S. MANUFACTURER WILL VOID ALL GUARANTEES, AND WILL NOT BE HELD RESPONSIBLE FOR CONTINUED SAFE ELECTRICAL OPERATION, IF FOOD SERVICE EQUIP. CONTRACTOR ADDS ELECTRICAL ASSEMBLIES EXCEEDING BUS-BAR CAPACITY, AFTER UTILITY DISTRIBUTION SYSTEM HAS LEFT THE FACTORY.
- 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 ENCLOSED WIRES FROM MAIN CIRCUIT BREAKER TO RACEWAY BUS-BAR FOLLOWING WIRING COLOR CODE.
- CONNECT ALL ELECTRICAL ASSEMBLIES TO FOOD SERVICE EQUIPMENT JUNCTION BOXES, AND TO UTILITY DISTRIBUTION SYSTEM.
- INSPECT FOR, AND TIGHTEN ANY LOOSE CONNECTIONS CAUSED BY SHIPPING.
- CONNECT LOAD SIDE OF OPTIONAL MAGNETIC STARTER(S) IN VERTICAL CHASE TO EXHAUST AND SUPPLY FAN MOTOR(S).
- CONNECT VENTILATOR LIGHT SWITCH(ES) IN VERTICAL CHASE TO JUNCTION BOX(ES) ON VENTILATOR.
- 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.

AT TIME OF UDS MANUFACTURING, (2) HYDROLIFE 3002 WATER FILTER TO BE FURNISHED AND INSTALLED BY CADDY.

ALL UTILITIES INCLUDE 25% OVER-CAPACITY FOR FUTURE EXPANSION

CADDY TO PROVIDE FLEX FOR ANY CONNECTION OVER 60 AMPS UNLESS PLUG TYPE IS VERIFIED

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

* - AT TIME OF UDS MANUFACTURING, (2) HYDROLIFE 3002 WATER FILTER TO BE HARD CONNECTED TO THE U.D.S. BY CADDY.

NOTE: MAIN CIRCUIT BREAKER FURNISHED AND INSTALLED BY CADDY.

NOTE: ALL UDS COMPONENTS AND CONNECTION POINTS ARE DESIGNED FOR COPPER WIRE.

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

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.

ALL UTILITIES DOWN FROM ABOVE [] VERIFY


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.

REVISIONS			
REV	DATE	BY	REMARKS



509 Sharptown Road P.O. Box 3445
Bridgeport, NJ 08014-0345
Tel: 856-467-4222 Fax: 856-467-5511
internet: www.caddycorp.com

EQUIPMENT SCHEDULE

WL-EGW-041
40'-3" LONG

CADDY NO.	ITEM NO.
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JOB:
LOC:
CUST:
CUST #:

DATE	12-9-11	SCALE	AS NOTED
DR BY	DRA	APP'D BY	<i>B.J.W.</i>

DWG# SHT 7
OF 9

FILTER SECTION	
MAXIMUM AIR EXHAUST	10,000 C.F.M.
DESIGN AIR EXHAUST	9,735 C.F.M.
FILTER BOX STATIC	1.85" W.G.
DIRTY FILTER FACTOR	0.50" W.G.
TOTAL INTERNAL STATIC	2.35" W.G.
MOUNTING	T.B.A.
WEIGHT	1,100 LBS

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

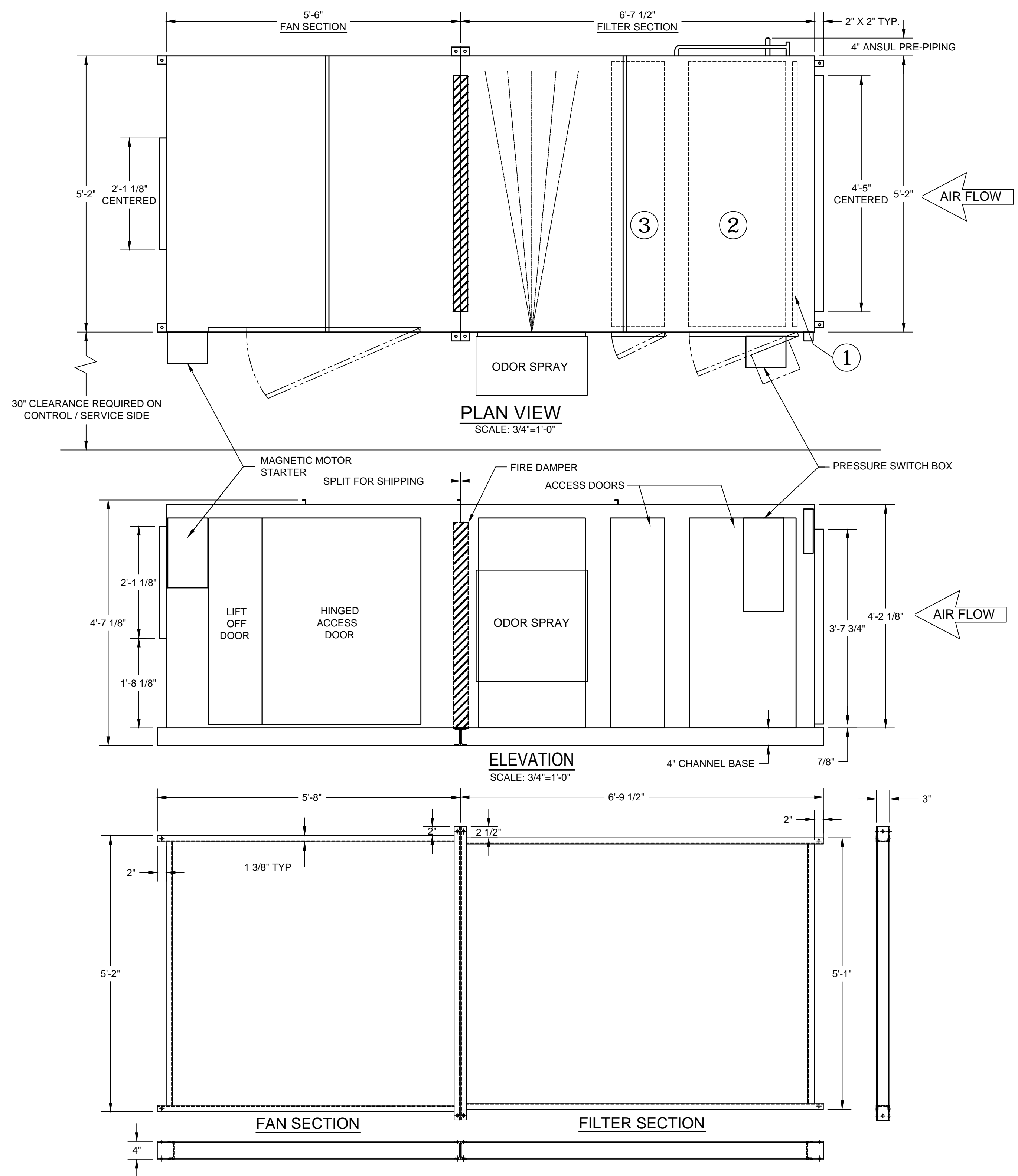
FAN SECTION	
MAX. EXHAUST AIR	10,000 CFM
TOTAL INTERNAL S.P.	2.35 W.G.
HOOD STATIC	1.60 W.G.
+ DUCT LOSS	1.00 W.G.
= TOTAL EXTERNAL S.P.	2.60 W.G.
TOTAL SYSTEM S.P.	4.95 W.G.
MOTOR RPM	1,750 W.G.
MOTOR	20 HP
POWER	15.80 BHP
FULL LOAD AMPS	27 AMP
VOLTAGE	480/3/60
FAN RPM	3,018
MOUNTING	INDOOR/PLATFORM
WEIGHT	1,490 LBS



ETL, INTERTEK
TESTED UNDER STANDARD U.L. 710, U.L. 1978, AND ULC-S 647-05. ETL LISTED UNDER CONTROL # 3186616TOR-001.

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.



GENERAL NOTES

- GENERAL :**
- CABINETS ARE OF WELDED STEEL CONSTRUCTION, PRIMED AND PAINTED.
 - ECOLOGY UNIT IS U.L. & U.L.C. LISTED.
- INSTALLATION :**
- THE EXHAUST DUCT CONNECTION AT THE ENTRANCE TO THE FILTER SECTION MUST BE CONTINUOUSLY WELDED.
 - ALLOW MINIMUM OF 30" CLEARANCE ON ACCESS SIDE FOR FILTER REMOVAL AND FIELD SERVICING.
 - EXHAUST DUCT WORK INSTALLED BETWEEN EXHAUST VENTILATOR AND ECOLOGY FILTER SECTION MUST CONFORM TO N.F.P.A. 96
 - ALL DUCT WORK BETWEEN EXHAUST VENTILATOR(S), ECOLOGY UNIT AND DOWNSTREAM FROM ECOLOGY UNIT SHALL BE SUPPLIED AND INSTALLED BY OTHERS.
 - ALL DUCT CONNECTIONS TO THE UNITS MUST BE TRANSITIONED TO THE FULL OPENING AT THE UNIT INLET AND OUTLET.
 - FILTERS MUST BE INSTALLED IN THE PROPER SEQUENCE AND PROPERLY SEATED AGAINST THE FILTER SUPPORT FRAME.
 - A STRUCTURAL ENGINEER SHALL VERIFY THAT THE STRUCTURE WILL SUPPORT THE ADDITIONAL LOAD.
 - ALL UNITS SHOULD BE PLUMB AND LEVEL.
 - THE CONTROL PANEL IS LOCATED IN UDS RISER.

- ELECTRICAL :**
- WIRE SIZES TO BE DETERMINED BY THE ELECTRICAL RATINGS ON THE UNIT RATING PLATE AND CONFORM TO ELECTRICAL STANDARDS.

- INTERIOR SUSPENDED UNITS :**
- SUSPENDED UNITS TO BE MOUNTED ON PLATFORMS OR SUSPENDED BY HANGING RODS FROM SUPPORT ANGLES WELDED TO THE ECOLOGY UNIT STRUCTURAL FRAME. PLATFORM AND HANGING RODS SUPPLIED AND INSTALLED BY OTHERS.
 - SUSPENDED UNITS MUST BE PROVIDED WITH A SERVICE PLATFORM ALONG ENTIRE LENGTH OF UNIT BY OTHERS. THE PLATFORM SHOULD BE 30" WIDE TO ENSURE PROPER ACCESS TO ECOLOGY SYSTEM.
 - SUSPENSION RODS MUST BE INSTALLED IN SUCH A WAY THAT THE ACCESS DOORS ARE NOT OBSTRUCTED AT ALL TIMES.
 - ALLOW 6" CLEARANCE ABOVE FILTER SECTION FOR ACCESS TO PRESSURE SWITCH PORTS.

CONFIRM SEQUENCE OF OPERATION

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

REVISIONS			
REV	DATE	BY	REMARKS

509 Sharptown Road Bridgeport, NJ 08014-0345 Tel: 856-467-4222 internet: www.caddycorp.com	P.O. Box 345 Fax: 856-467-5511
EQUIPMENT SCHEDULE	
10000 CASKEF	
CADDY NO.	ITEM NO.
JOB:	LOC:
CUST:	CUST #:

DATE	12-9-11	SCALE	AS NOTED	DWG#	SHT 9 OF 9
DR BY	DRA	APP'D BY	<i>B.J.W.</i>		

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

SHOP NOTE:
BUILD PER U.L. CONSTRUCTION METHODS

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

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