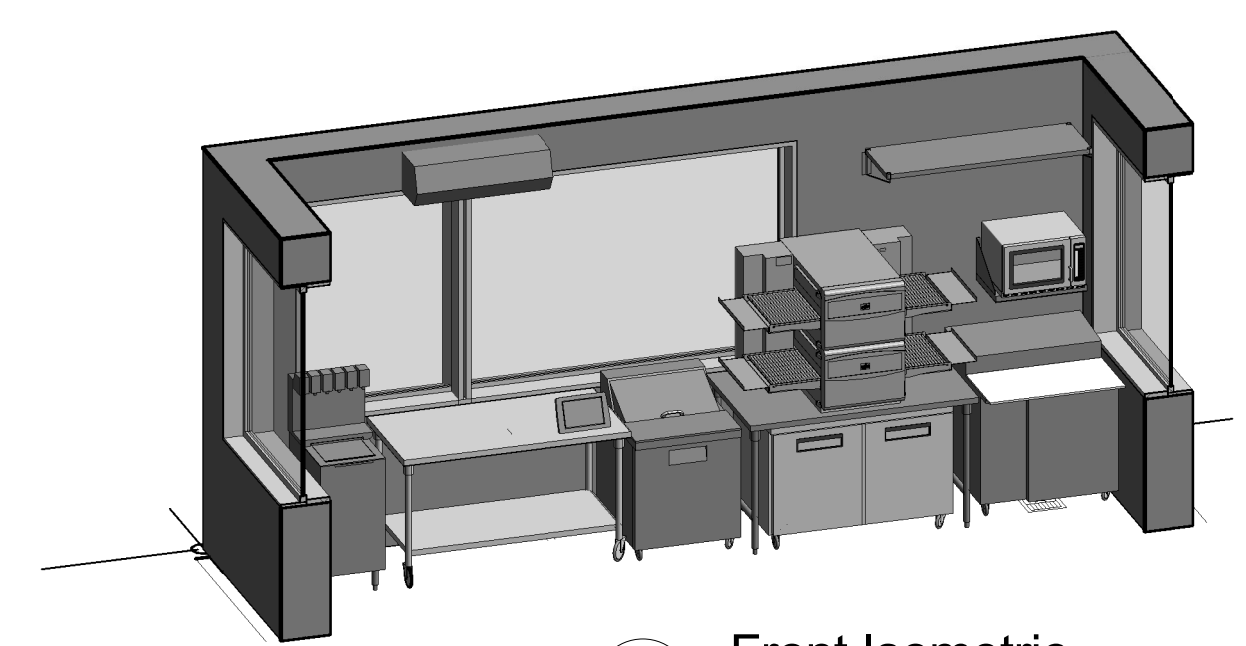


4 Overall Layout
1/8" = 1'-0"



5 Front Isometric

Item	Qty	Description
1	2	Three Compartment Sink
2	4	Sink Faucet
4	2	Pre-Rinse Sprayer with 14" Faucet
5	2	Undercounter Dishwasher
6	4	High Wire Wall Shelving
7	2	Floor Mounted Mop Sink - By GC
8	2	Service Faucet - By GC
9	2	Carbonator - By Purveyor
9.1	2	Water Filter
10	2	Bag-in-Box - By Purveyor
11	2	Wall Mounted Water Filter
12	2	Ice Cuber - Remote-Cooled
12.1	2	Remote Condenser
13	2	Ice Bin
14	2	Space Saver Hand Sink
14.1	2	Paper Towel Dispenser
14.2	2	Soap Dispenser
15	2	Sink Faucet
16	2	High Wire Wall Shelving
17	2	Exhaust Hood
17.1	2	Exhaust Fan
17.2	2	Supply Fan
17.3	2	Ceiling Enclosure Panel
18	2	S/S Vertical Panel
19	2	Countertop Gas Charbroiler
19.1	2	Gas Hose - Charbroiler
20	2	Refrigerated Base
21	4	
21.2	2	Gas Hose - Griddle
22	6	

Item	Qty	Description
22.1	4	Gas Hose - Fryer
23	2	Gas Hot Plate Range
23.1	2	Equipment Stand
23.2	2	Gas Hose - Hot Plate
24	2	Space Saver Hand Sink
24.1	2	Sink Faucet
24.2	2	Paper Towel Dispenser
24.3	2	Soap Dispenser - By Owner
25	2	Fire Suppression System
26	2	Reach-in Dual Temp
27	2	Pizza Prep Top Refrigerator
28	2	High Wire Wall Shelving
29	2	Oven Stand
30	2	Double Stack Oven
30L	2	Shuttle Oven Lower Deck
30U	2	Shuttle Oven Upper Deck
31	2	Undercounter Refrigerator
32	2	Work Table
33	2	Soda Dispenser -6 Valve
33.1	2	Soda Dispenser Stand
34	2	Microwave Oven
35	2	Sandwich Prep Table
36	2	S/S Inverted Wall Shelf
37	2	POS Terminal
38	2	Wall Paneling
39	4	Fly Fan
40	2	Wall Shelf w/Pot Rack
40.1	2	Wall Shelf w/Pot Rack
41	2	S/S Platform - Oven
42	2	Prep Sink - Future - Not Shown

GENERAL NOTES

SCOPE FOR INSTALLATION OF FOODSERVICE EQUIPMENT:

A. RECEIVE EXHAUST HOODS AT JOBSITE, HANG HOODS. DOES NOT INCLUDE PERMITS, DUCTWORK, FIRE WRAP, SETTING CURBS OR FANS ON ROOF, ELECTRICAL OR AIR BALANCE.

B. DELIVER & INSTALL SS WALL PANELING.

C. INSTALL FIRE SUPPRESSION SYSTEM FOR EXHAUST HOODS.

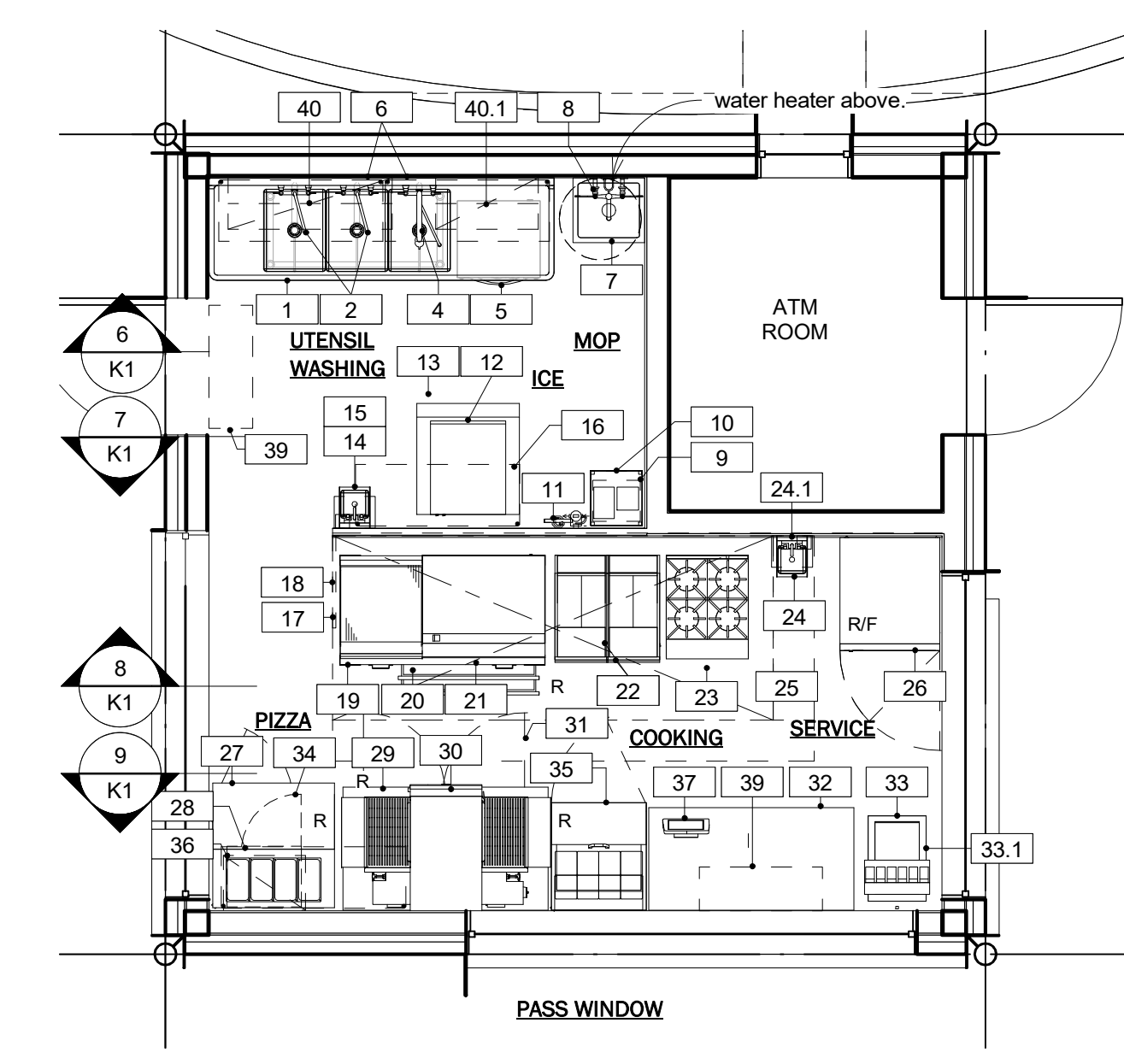
D. DELIVERY, UNGRATE, ASSEMBLY, SET-IN-PLACE, ANCHOR, SEAL, READY FOR PLUMBING & ELECTRICAL CONNECTION BY OTHERS. PLUMBER TO INSTALL FAUCETS.

E. DOES NOT INCLUDE INSTALLATION OF SODA LINES, SODA EQUIPMENT, COFFEE / TEA EQUIPMENT OR POS. DOES NOT INCLUDE DUMPSTER RENTAL, TRASH HAULING, HOIST, CRANE, OR HELICOPTER.

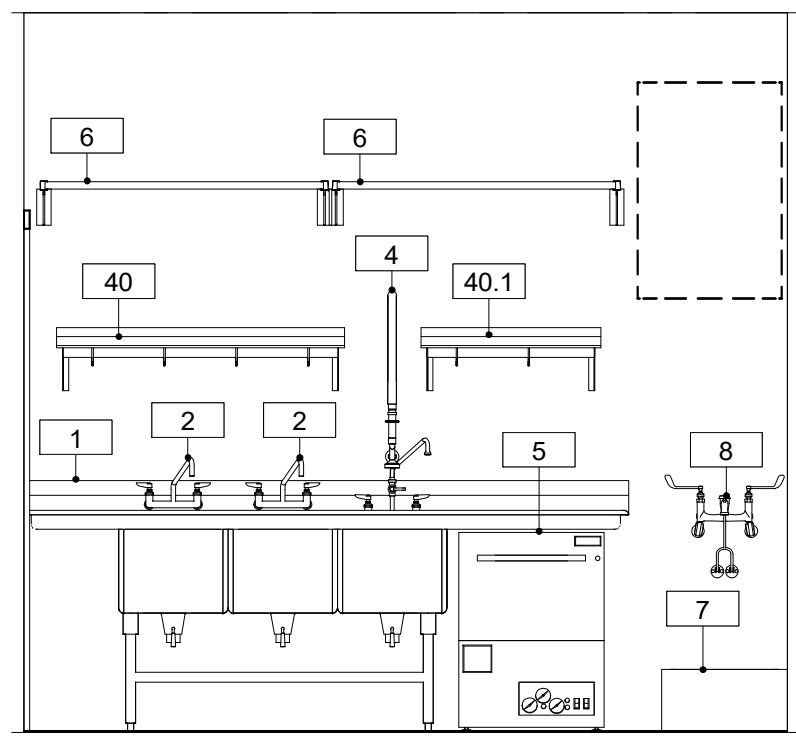
F. DELIVERY AND INSTALLATION OF ICE MACHINE(S) AND FROZEN DRINK MACHINES IF PURCHASED / LEASED FROM TRIMARK.

G. START-UP OF EQUIPMENT FURNISHED BY TRIMARK.

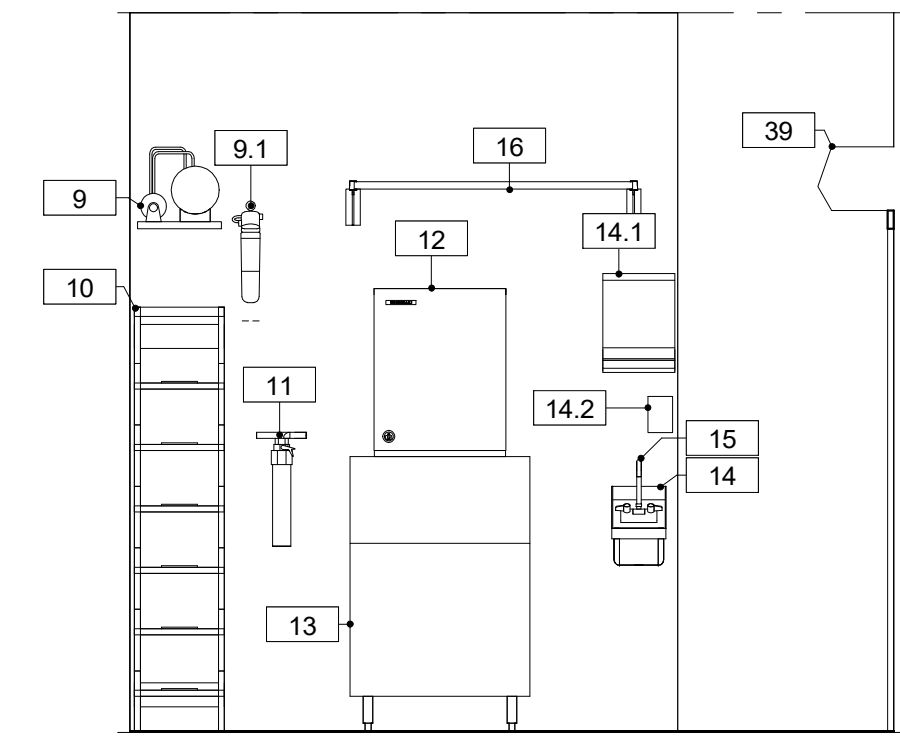
H. PROVIDE AUTHORIZED SERVICE AGENCY LIST FOR EQUIPMENT FURNISHED BY TRIMARK.



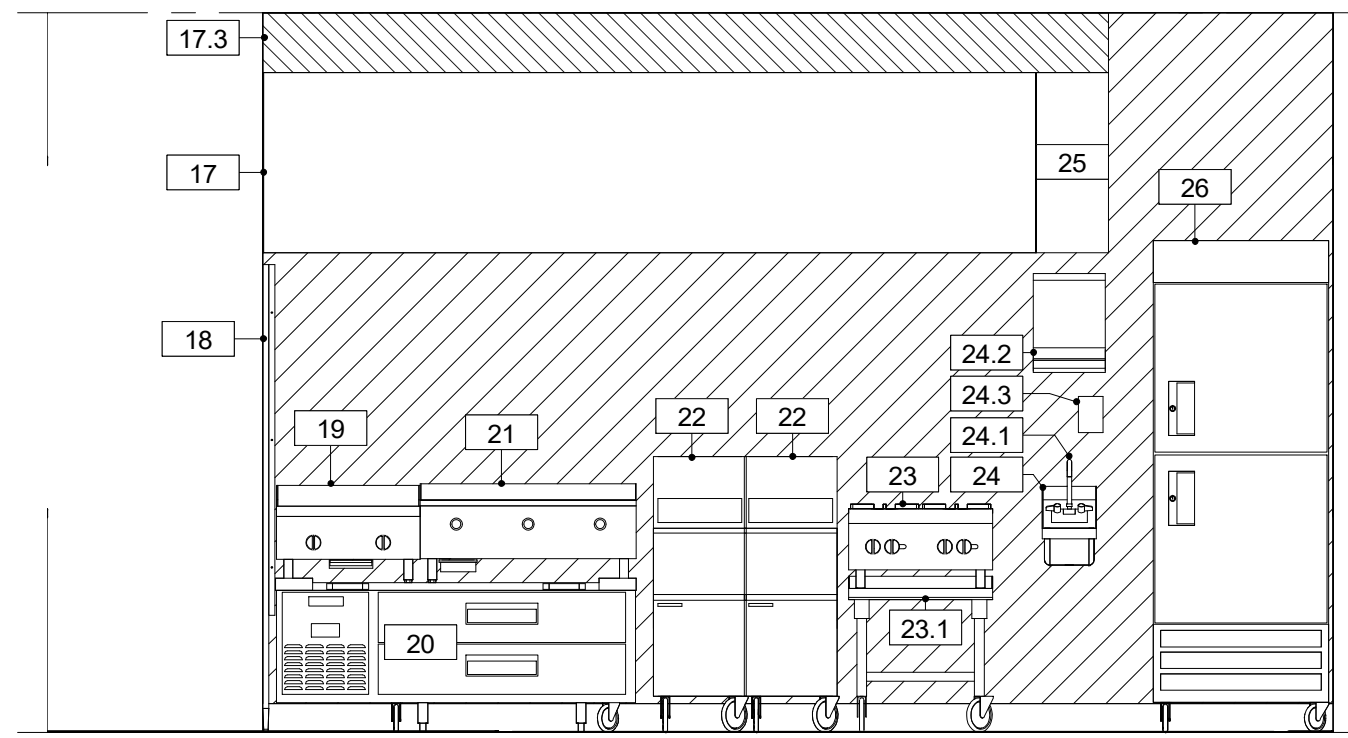
1 Equipment Plan - ATM Cube
1/4" = 1'-0"



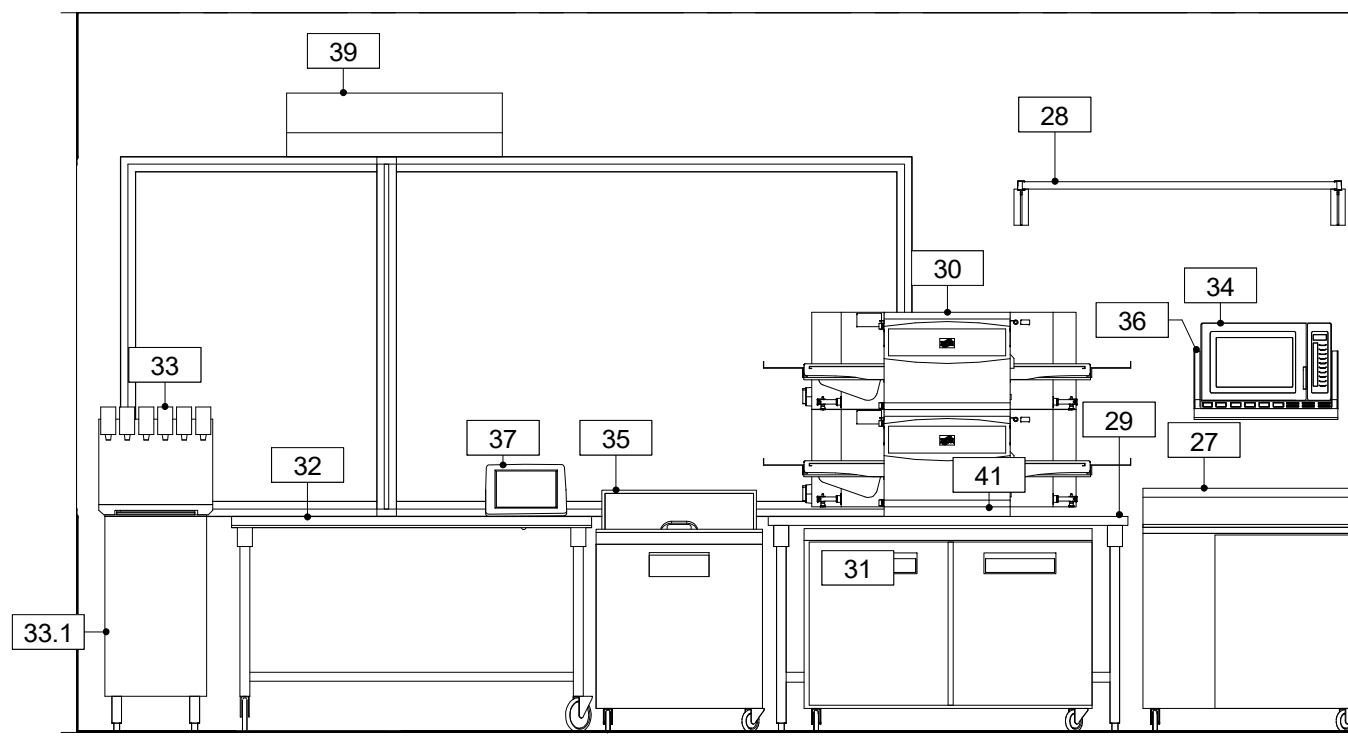
6 Elevation - ATM Utensil
3/8" = 1'-0"



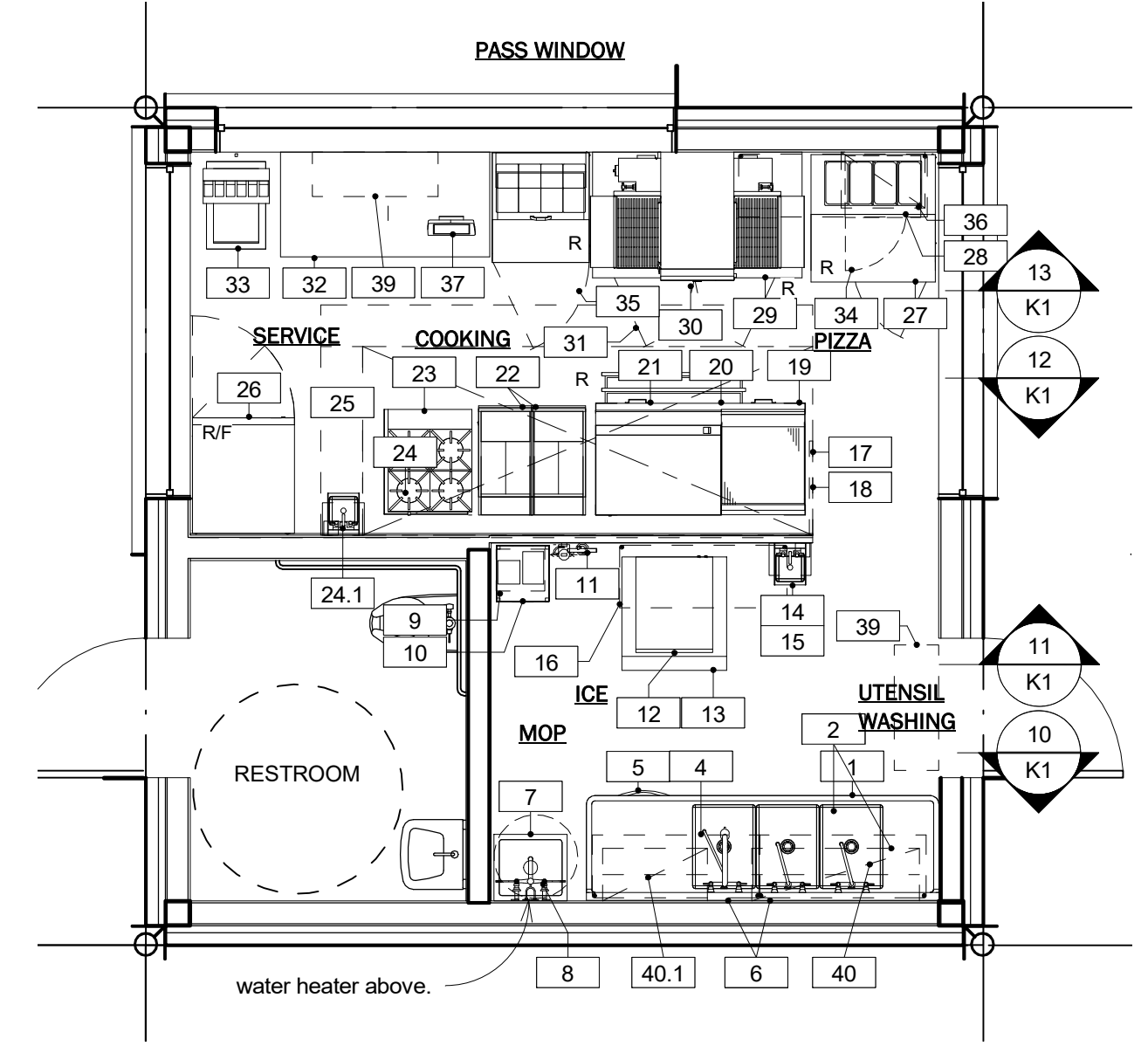
7 Elevation - ATM Ice
3/8" = 1'-0"



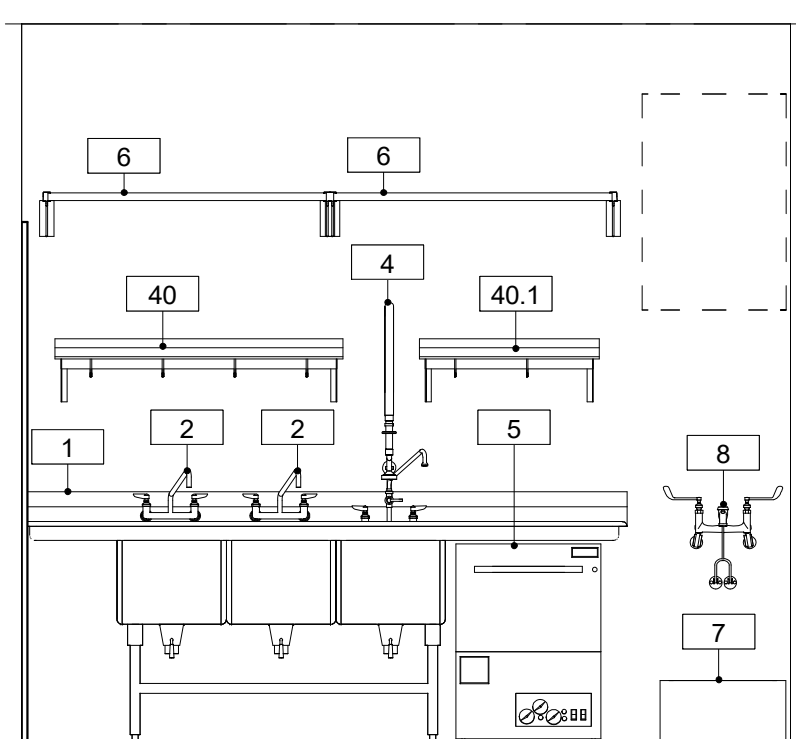
8 Elevation - ATM Cooking
3/8" = 1'-0"



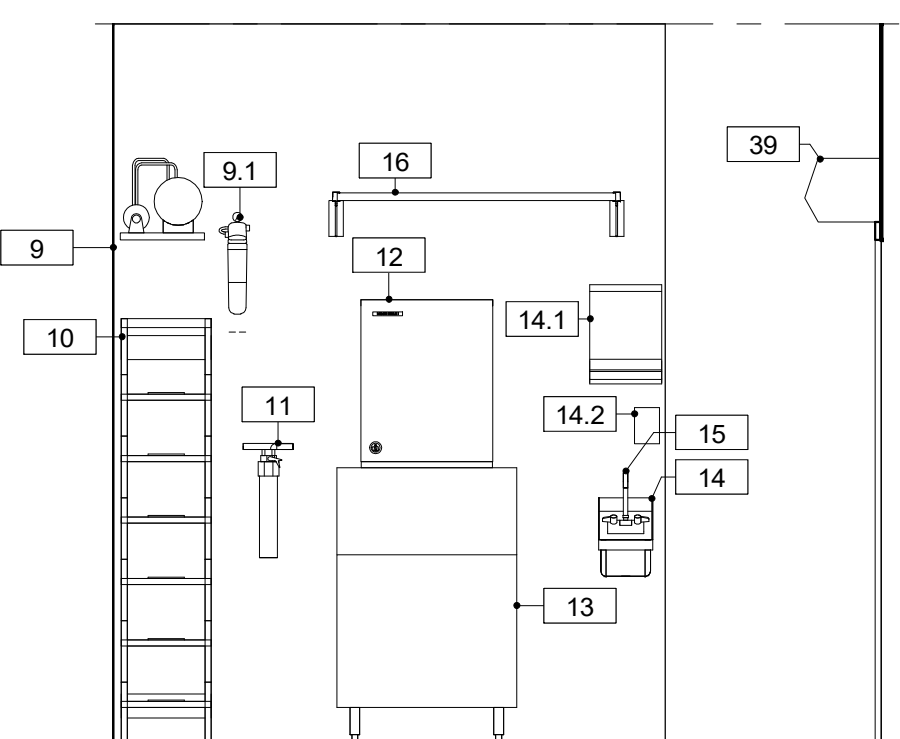
9 Elevation - ATM Window
3/8" = 1'-0"



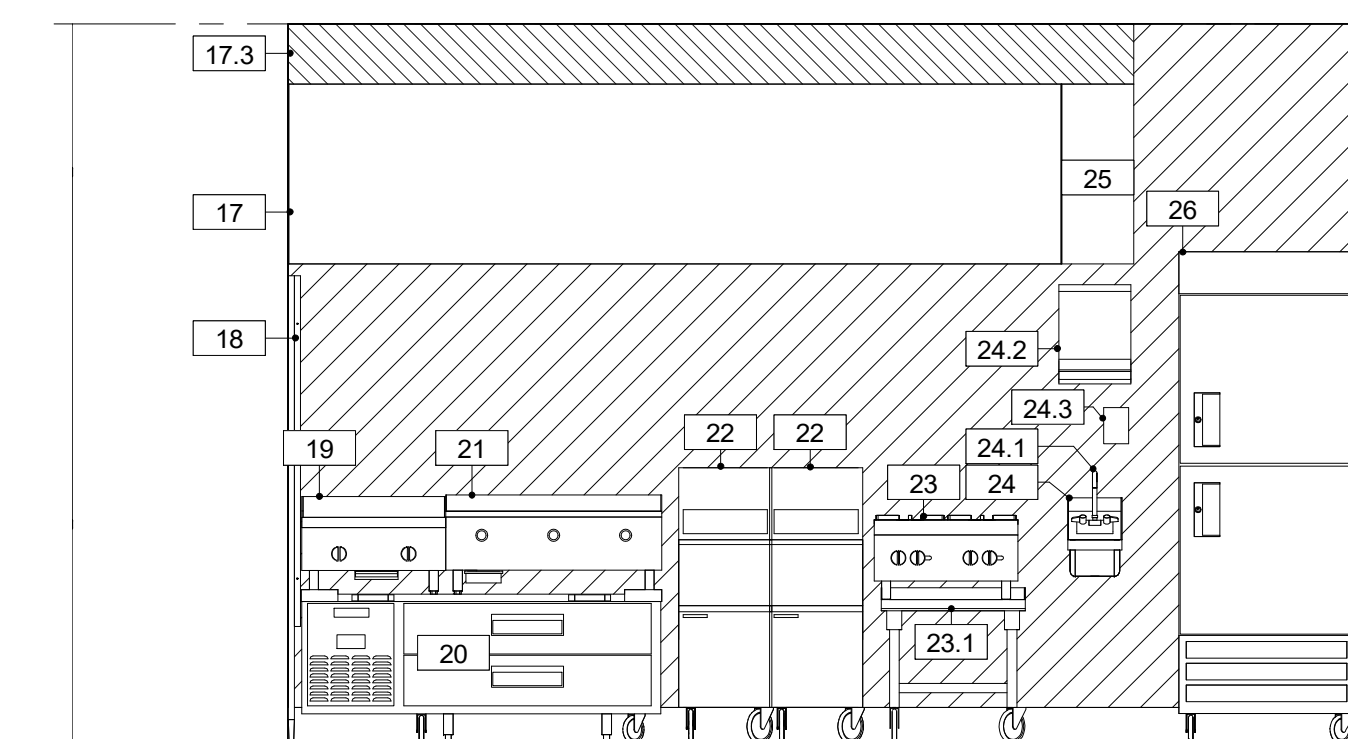
2 Equipment Plan - Rest Cube
1/4" = 1'-0"



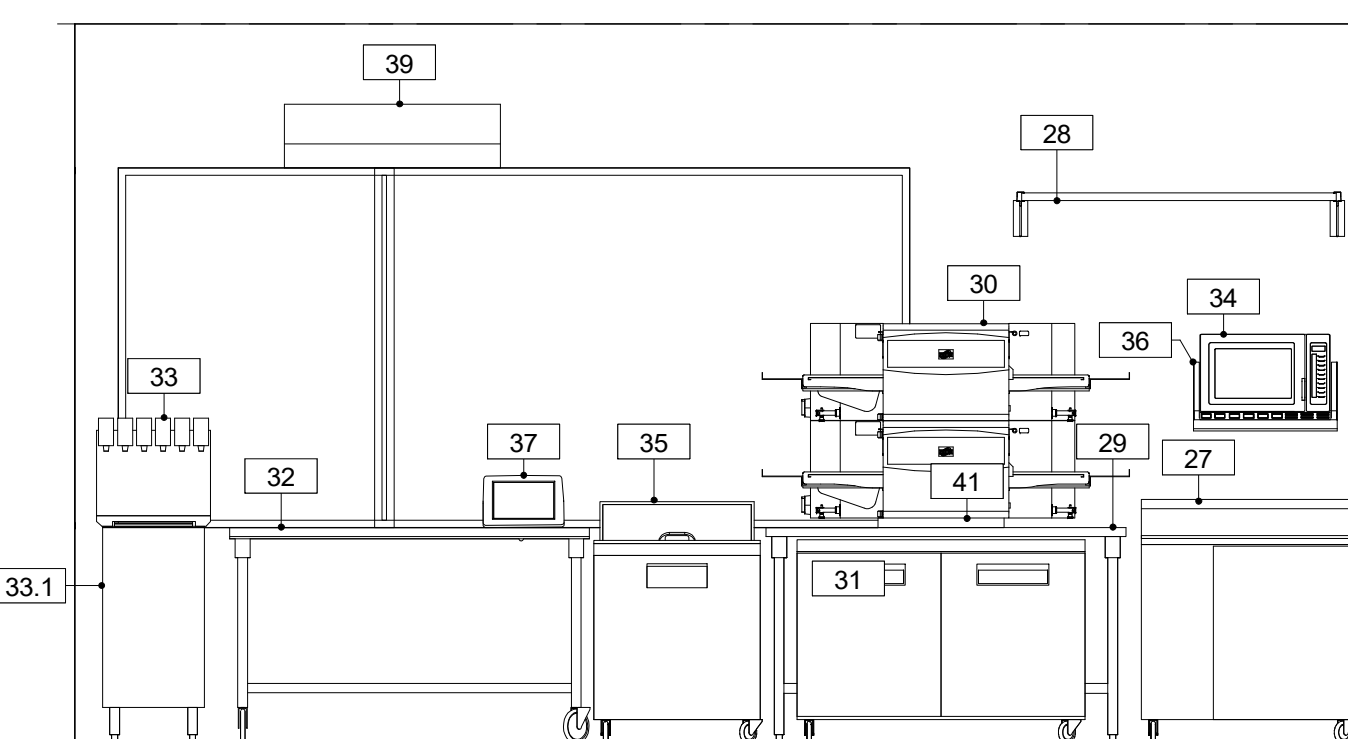
10 Elevation - RR Utensil
3/8" = 1'-0"



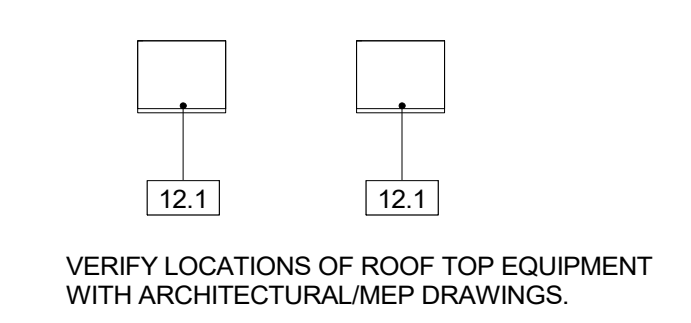
11 Elevation - RR Ice
3/8" = 1'-0"



12 Elevation - RR Cooking
3/8" = 1'-0"



13 Elevation - RR Window
3/8" = 1'-0"



3 Equipment Plan - Roof
1/4" = 1'-0"

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CONSULTANT

TriMark
Foodservice Equipment, Supplies and Design

2801 South Valley Parkway, Ste. 200
Lewisville, TX 75067
Phone (972)-922-7338
Email tphilips@isi-texas.com

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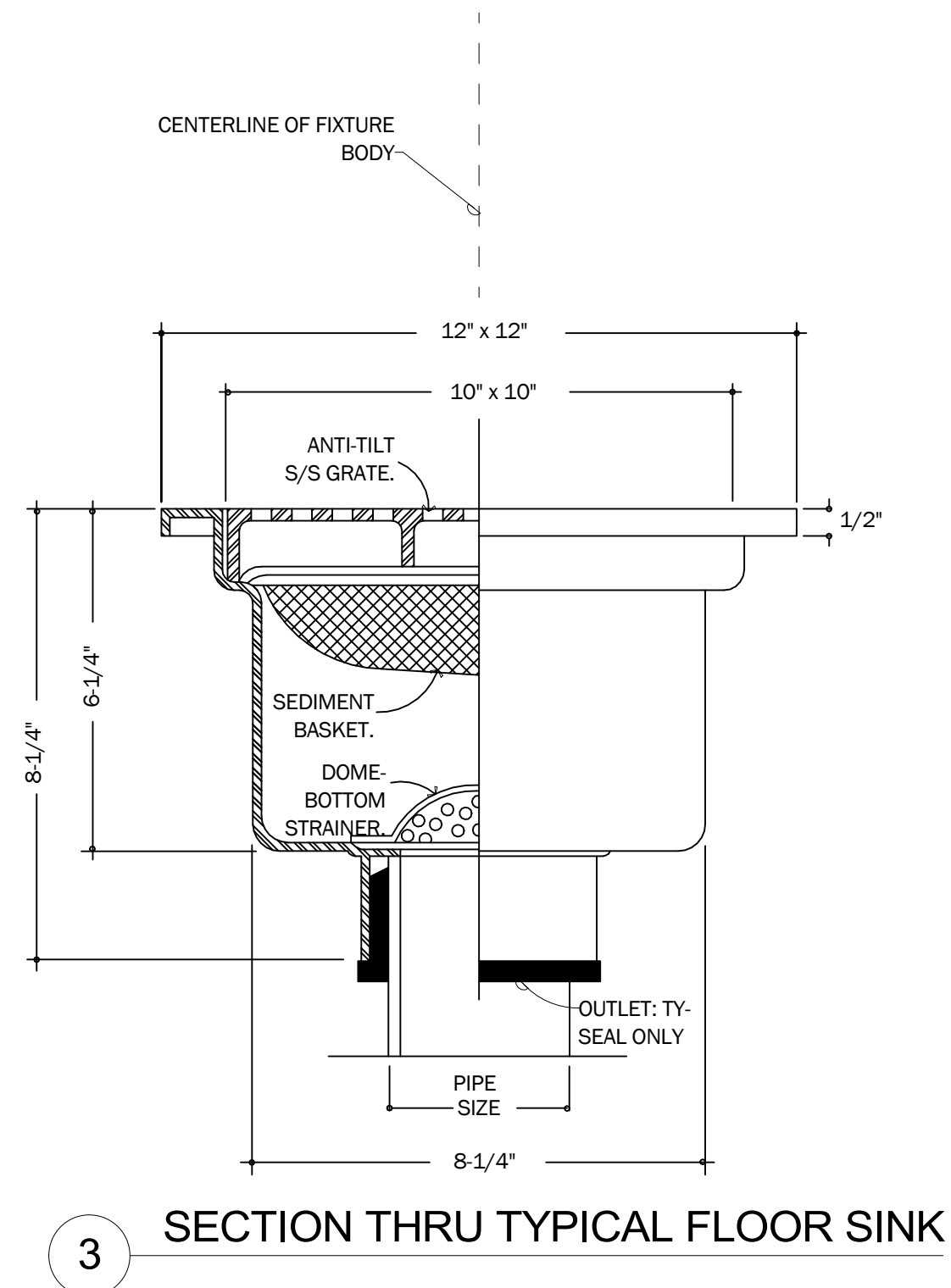
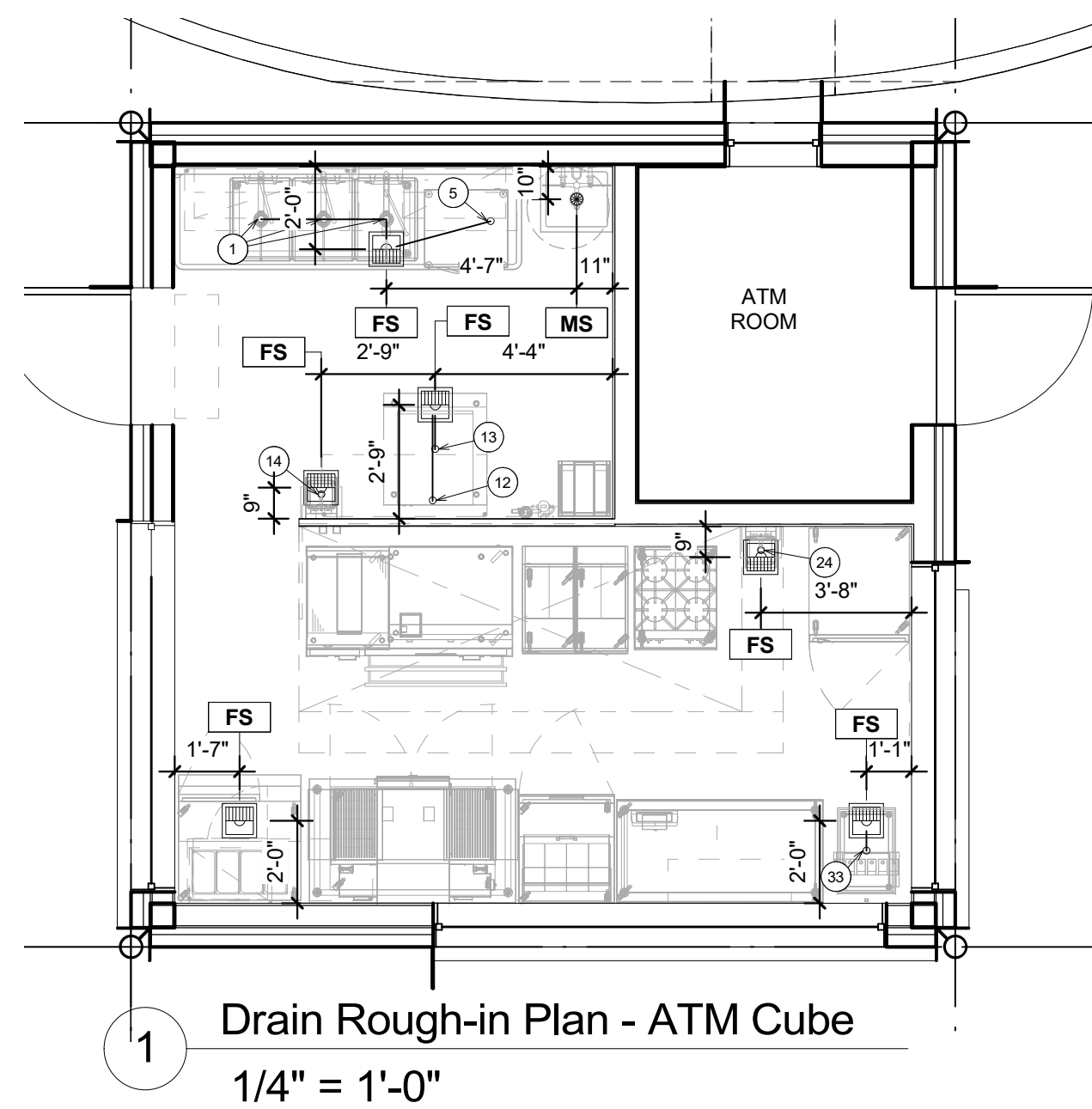
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ACU - Lancaster
Equipment Plan

Project number
Date 04/17/2023

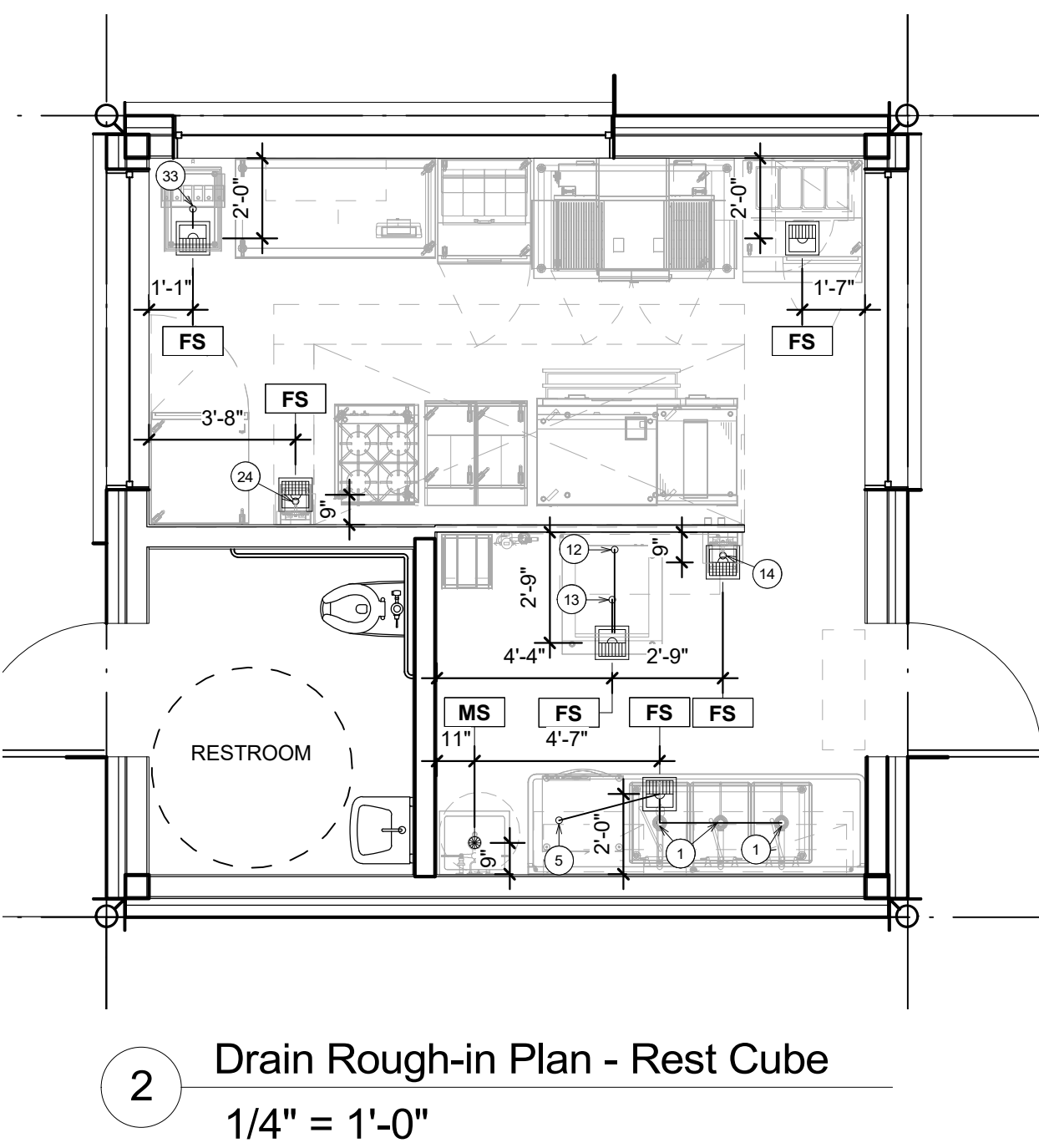
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Plumbing Rough-in Schedule - Drains					
Rev	Item	Qty	Description	Indirect	Plumbing Remarks
1	2		Three Compartment Sink	2"	Run Drain Line to FS.
5	2		Undercounter Dishwasher	1"	3/4" Garden Hose Connection; Run Drain Line to FS.
7	2		Floor Mounted Mop Sink - By GC		
12	2		Ice Cuber - Remote-Cooled	3/4"	B.T.C. on Ice Cuber, Thru Filter; Run Drain Line to FS.
13	2		Ice Bin	3/4"	Run Drain Line to FS.
14	2		Space Saver Hand Sink	1 1/2"	Run Drain Line to FS.
24	2		Space Saver Hand Sink	1 1/2"	Run Drain Line to FS.
33	2		Soda Dispenser -6 Valve	1 1/2"	Run Drain Line to FS

Plumbing Drainline Connections					
REV	SYM	SIZE	PLUMBING TYPE	CONNECTED TO:	SPECIFIC REQUIREMENT
	FS	3"	Floor Sink	Indirect Waste	See Detail.
	MS	2"	Mop Sink	Mop Sink Drain	By GC.



- PLUMBING ROUGH-IN NOTES**
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 - PLUMBING SHOULD NOT INTERFERE WITH OPERATION OR FUNCTION OF EQUIPMENT. SECURE TO EQUIPMENT AND WALLS AS REQUIRED. ALL ROUGH-IN SHOWN ARE TO BE RUN INSIDE WALLS. (EXCEPT STUB-UPS). LOCATIONS INDICATE POINT OF EXIT FROM WALLS, CEILINGS AND/OR FLOORS.
 - RUN CONDENSATE LINES FROM UNITS TO DRAINS AS SHOWN, THIS LINE SHALL BE NO SMALLER THAN THE STUB OUT OF THE FIXTURE. FOR SPECIFIC TYPE OF CONNECTION AND LOCATIONS REFER TO THE KITCHEN EQUIPMENT BROCHURES AND DRAWINGS.
 - PLUMBER TO PROVIDE SHUT OFF VALVES ON ALL WATER AND GAS LINES, ALL VALVES, CUT OFFS, TRAPS, HYDROSTATIC SHOCK ELIMINATORS, PRESSURE REGULATORS AND MATERIAL NECESSARY TO CONNECT ALL LINES, UNLESS OTHERWISE SPECIFIED ON THE ITEM SPECIFICATIONS.
 - ALL FLOOR DRAINS ARE TO BE SET 1/2" BELOW FINISHED FLOOR UNLESS OTHERWISE NOTED. DO NOT SLOPE FLOORS SO CLOSE TO DRAINS AS TO CREATE "PITS" OR "DIPS" IN FLOOR. MINIMUM RADIUS OF SLOPE TO BE 24" FROM CENTERLINE OF DRAIN.
 - IF ELECTROLYSIS CONDITIONS EXIST, A DIELECTRIC COUPLING SHOULD BE USED IN FINAL PLUMBING CONNECTION TO ALL WATER COOLED EQUIPMENT.
 - KES TO PROVIDE ALL FAUCETS, DRAIN OUTLET FITTINGS IN FIXTURES AND SPECIALTY ITEMS AS OUTLINES IN THE ITEM AND GENERAL PRODUCT SPECIFICATIONS.
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 - WALL PENETRATIONS FOR DRAIN LINES REQUIRE ESCUTCHEON PLATES.
 - ALL EQUIPMENT DRAINS WILL BE COPPER, EXCEPT THOSE DRAIN LINES THAT DRAIN SODA MACHINE SPILL TROUGHS, THOSE DRAINS TO BE SCH 40 PVC.

- PLUMBING SYMBOLS & ABBREVIATIONS**
- HUB DRAIN AS NOTED
 - ⊙ FLOOR DRAIN - 4" HIGH FUNNEL
 - ⊕ FLOOR DRAIN (FD)
 - ⊖ FLOOR SINK AS NOTED
 - DIRECT DRAIN
 - MOP SINK DRAIN
 - ⊙ DRAIN
 - ⊖ COLD WATER
 - ⊕ HOT WATER
 - HUB DRAIN
 - EL ELEVATION A.F.F.
 - AFF ABOVE FINISHED FLOOR
 - BFF BELOW FINISHED FLOOR
 - SU STUB UP A.F.F.
 - GPH GALLON PER HOUR
 - GPM GALLONS PER MINUTE
 - SS STEAM SUPPLY
 - SR STEAM RETURN
 - BHP BOILER HORSEPOWER
 - PPH POUNDS PER HOUR
 - PSI POUNDS PER SQUARE INCH
 - DFA DOWN FROM ABOVE
 - BTC BRANCH TO CONNECTION & CONNECT.
 - Return Air Duct Connection
 - Exhaust Duct Connection
 - SP STATIC PRESSURE
 - WG INCHES OF WATER GAUGE
 - CFM CUBIC FEET PER MINUTE
 - FPM FEET PER MINUTE (VELOCITY)
 - KES KITCHEN EQUIPMENT SUPPLIER
 - ⊗ INDIRECT WASTE BY PLUMBER

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TriMark
Foodservice Equipment, Supplies and Design
2801 South Valley Parkway, Ste. 200
Lewisville, TX 75067
Phone (972)-922-7338
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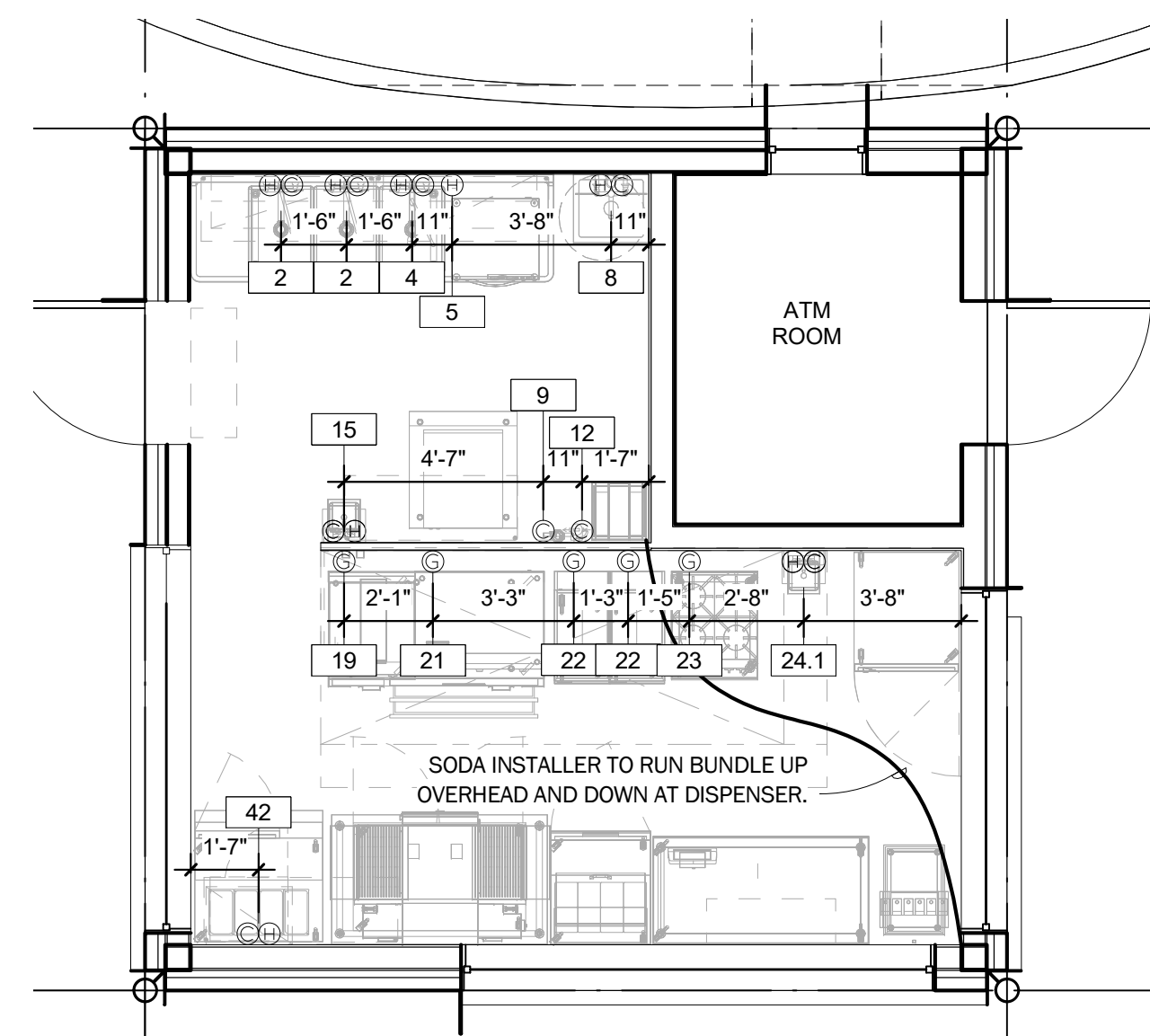
No.	Description	Date

ACU - Lancaster
Drain Rough-in

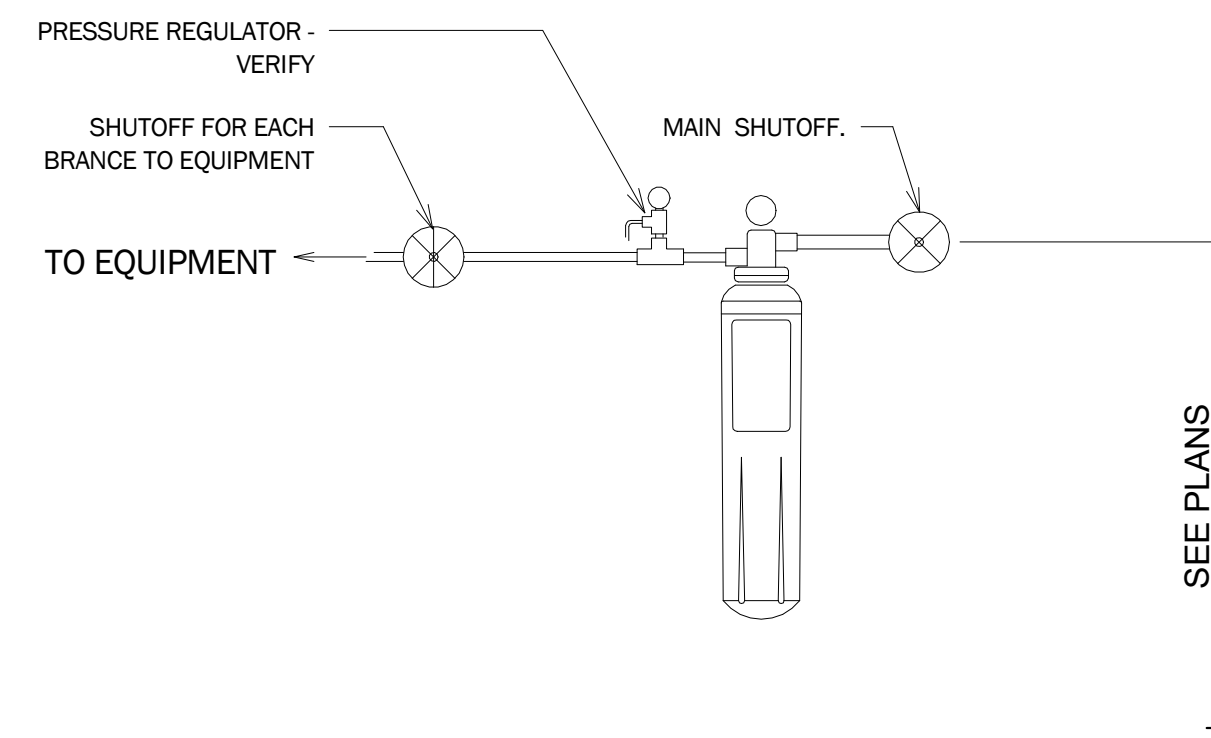
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Date 04/17/2023

K3

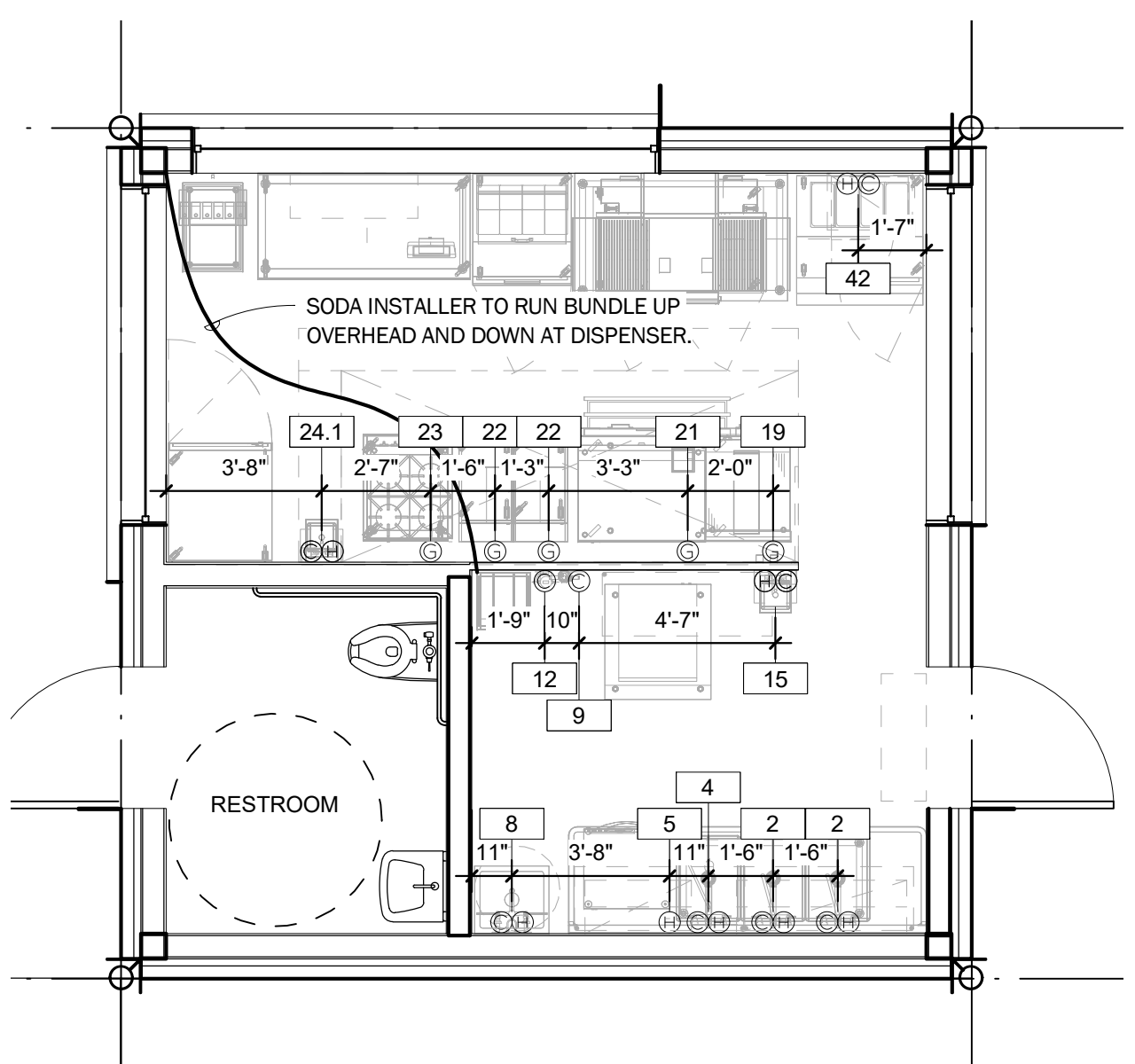
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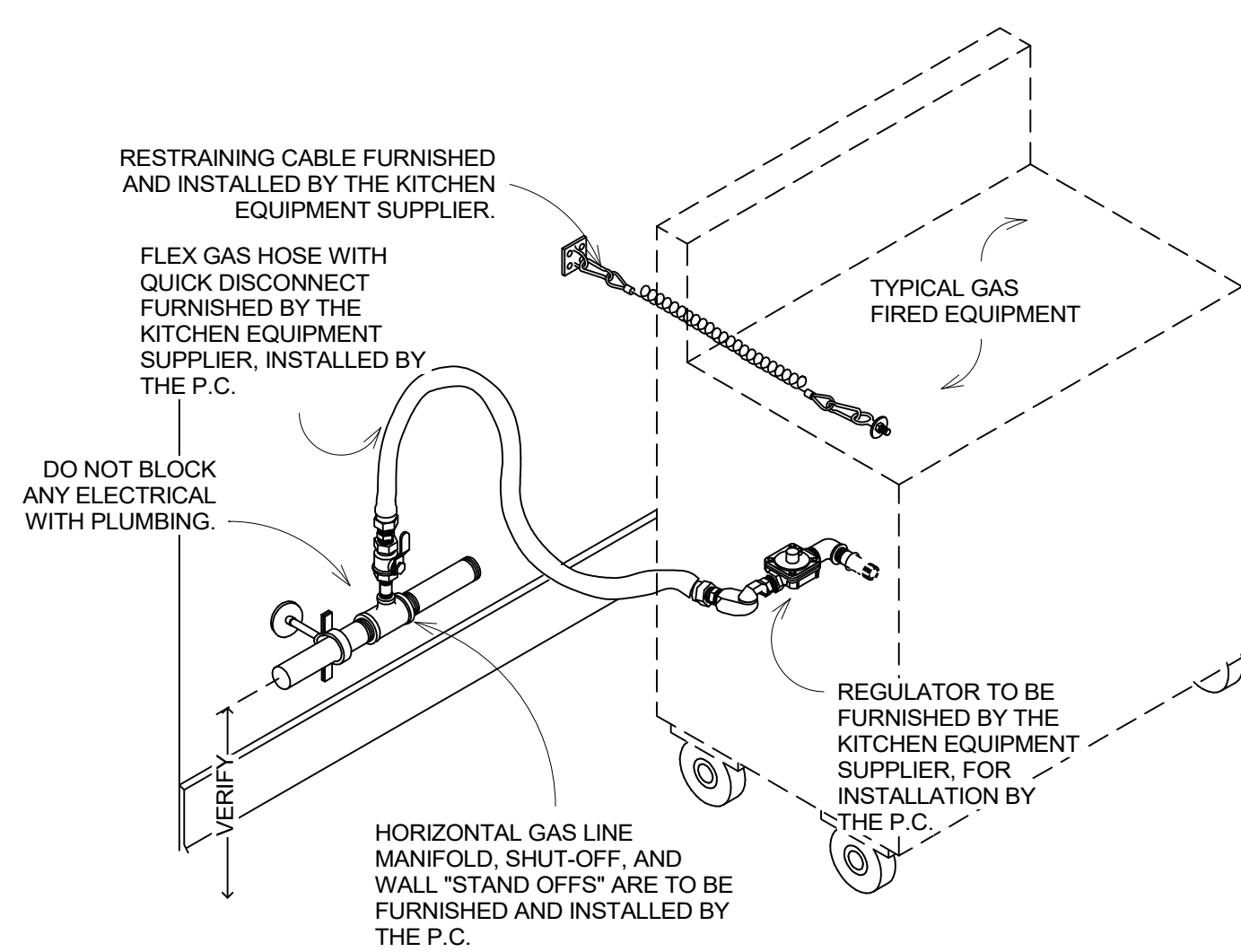
1 Plumbing Rough-in Plan - ATM Cube
1/4" = 1'-0"



3 Water Filter Detail
1/4" = 1'-0"



2 Plumbing Rough-in Plan - Rest Cube
1/4" = 1'-0"



4 GAS LINE FLEX CONNECTION
1/4" = 1'-0"

Plumbing Rough-in Schedule - Water

REV	Item	Qty	Description	Cold	Hgt	Hot	Hgt	Location	Plumbing Remarks
2	4	Sink Faucet		1/2"	18"	1/2"	18"	Wall	B.T.C. on Sink Faucet.
4	2	Pre-Rinse Sprayer with 14" Faucet		1/2"	18"	1/2"	18"	Wall	B.T.C. on Pre-Rinse Sprayer.
8	2	Service Faucet - By GC		1/2"	36"	1/2"	36"	Wall	B.T.C. on Service Faucet.
9	2	Carbonator - By Purveyor		1/2"	84"			Wall	B.T.C. on Carbonator, thru Filter.
15	2	Sink Faucet		1/2"	12"	1/2"	12"	Wall	B.T.C. on Sink Faucet.
24.1	2	Sink Faucet		1/2"	12"	1/2"	12"	Wall	B.T.C. on Sink Faucet.
42	2	Prep Sink - Future - Not Shown		1/2"	12"	1/2"	12"	Wall	For Future Prep Sink, Not Shown.

Plumbing Rough-in Schedule - Gas

Rev	Item	Qty	Description	Gas Input	Gas Size	Plumbing Remarks
19	2	Countertop Gas Charbroiler	160,000 Btu/h	3/4"	B.T.C on Unit; Natural Gas; 4" w.c.	
21	2	Gas Griddle	180,000 Btu/h	3/4"	B.T.C on Unit; Natural Gas; 4" w.c.	
22	4	Gas Fryer	280,000 Btu/h	3/4"	B.T.C on Unit; Natural Gas; 4" w.c.	
23	2	Gas Hot Plate Range	240,000 Btu/h	3/4"	B.T.C on Unit; Natural Gas; 4" w.c.	

PLUMBING ROUGH-IN NOTES

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PLUMBING SYMBOLS & ABBREVIATIONS

- HUB DRAIN AS NOTED
- ⊖ FLOOR DRAIN - 4" HIGH FUNNEL
- ⊙ FLOOR DRAIN (FD)
- ⊖ FLOOR SINK AS NOTED
- DIRECT DRAIN
- MOP SINK DRAIN
- ⊖ DRAIN
- ⊖ COLD WATER
- ⊖ HOT WATER
- HUB DRAIN
- EL..... ELEVATION A.F.F.
- AFF..... ABOVE FINISHED FLOOR
- BFF..... BELOW FINISHED FLOOR
- SU..... STUB UP A.F.F.
- GPH..... GALLON PER HOUR
- GPM..... GALLONS PER MINUTE
- SR..... STEAM SUPPLY
- SR..... STEAM RETURN
- BHP..... BOILER HORSEPOWER
- PPH..... POUNDS PER HOUR
- PSI..... POUNDS PER SQUARE INCH
- DFA..... DOWN FROM ABOVE
- BTC..... BRANCH TO CONNECTION & CONNECT.
- ⊖ RETURN AIR DUCT CONNECTION
- ⊖ EXHAUST DUCT CONNECTION
- SP..... STATIC PRESSURE
- WG..... INCHES OF WATER GAUGE
- CFM..... CUBIC FEET PER MINUTE
- FPM..... FEET PER MINUTE (VELOCITY)
- KES..... KITCHEN EQUIPMENT SUPPLIER
- (XX)..... INDIRECT WASTE BY PLUMBER

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2801 South Valley Parkway, Ste. 200
Lewisville, TX 75067
Phone (972)-922-7338
Email tphillips@isi-texas.com

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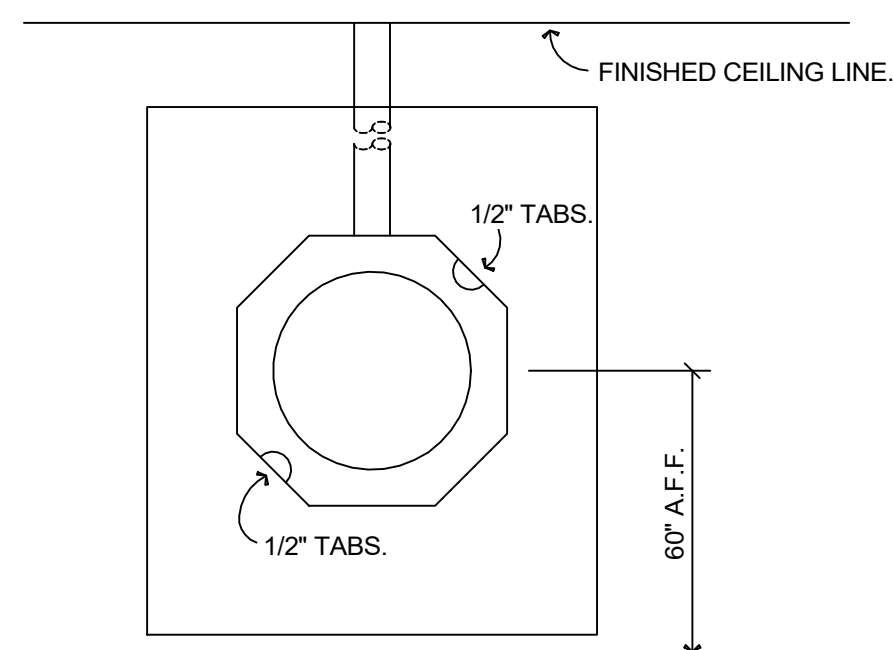
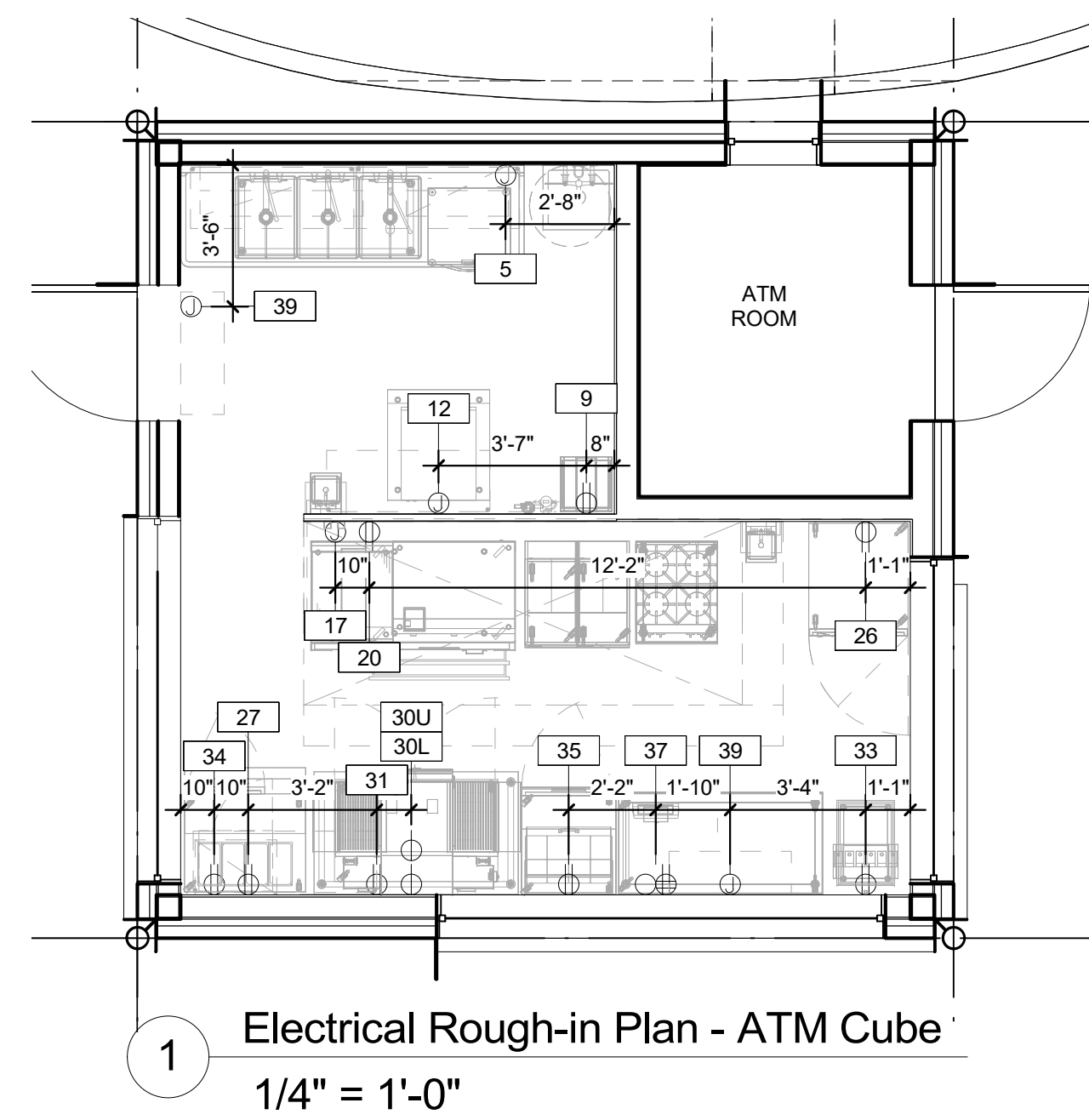
No.	Description	Date

ACU - Lancaster
Plumbing Rough-in

Project number
Date 04/17/2023

K4

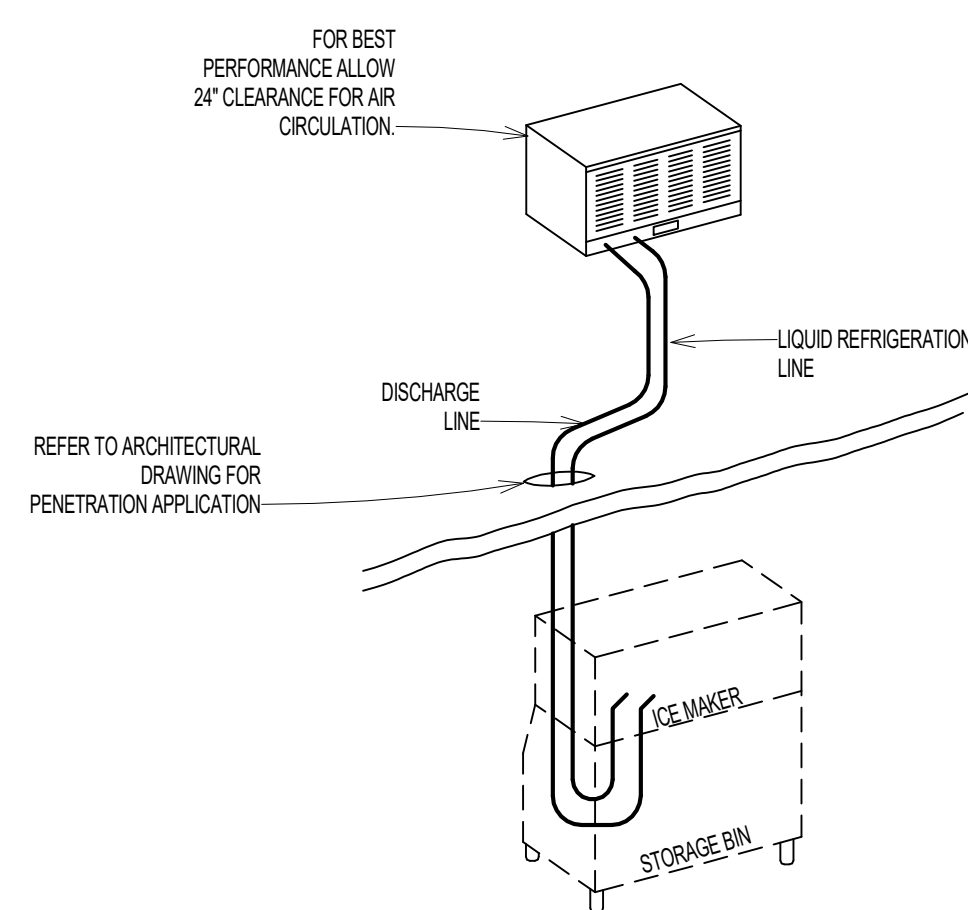
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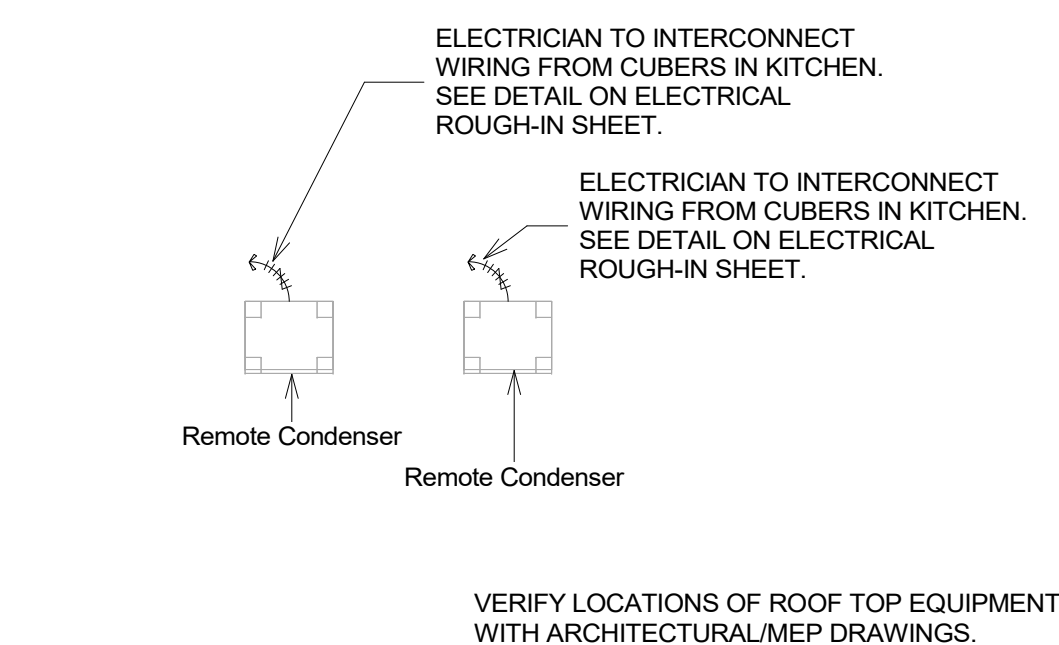
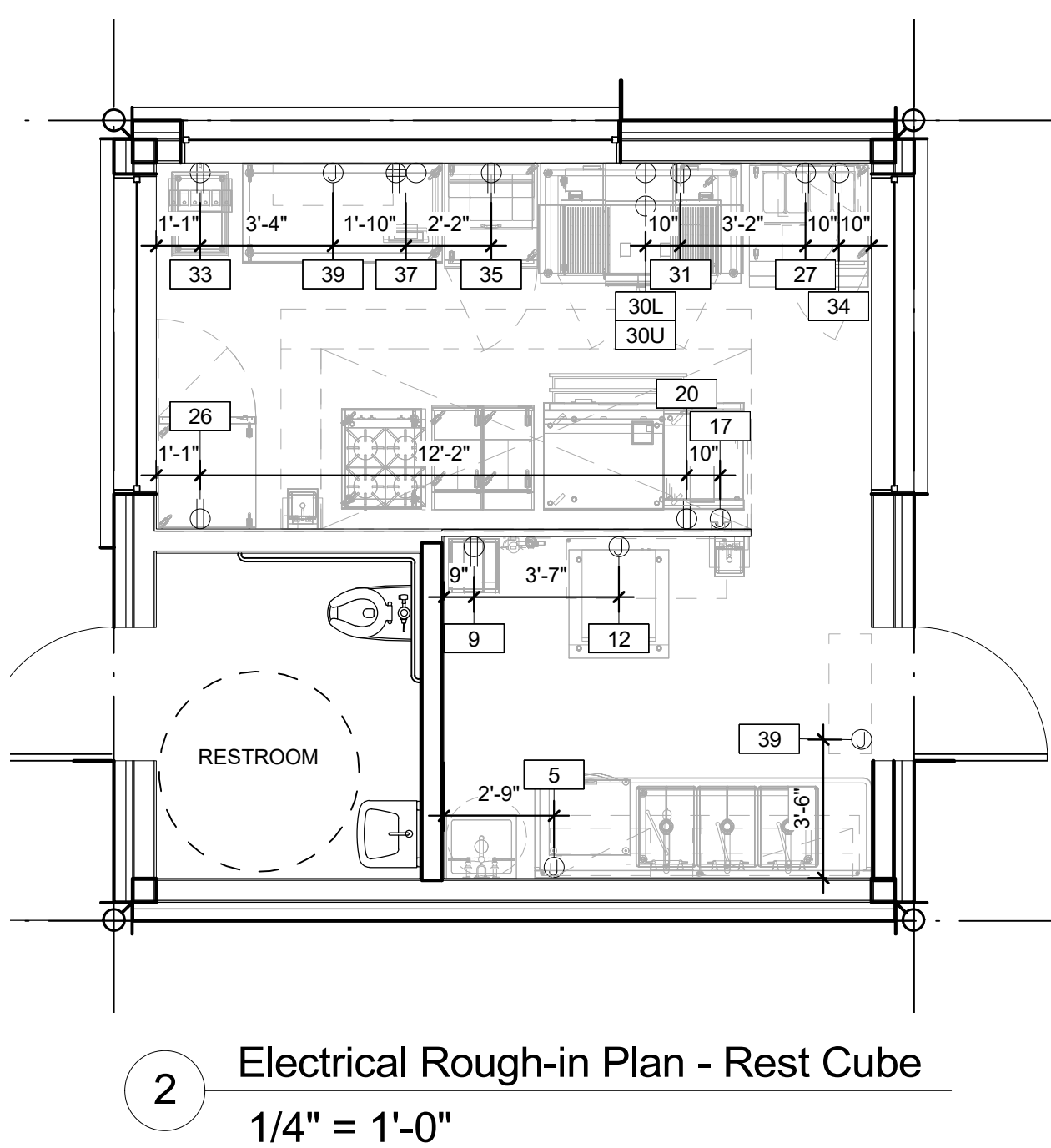
ONE (1) 4/0 BOX WITH 1/2" TABS POSITIONED AS SHOWN WITH TABS IN UPPER RIGHT AND LOWER LEFT OF BOX. BOX TO BE 60" ABOVE FINISHED FLOOR. 1/2" E.M.T. TO BE 12" ABOVE FINISHED DROP CEILING LINE WITHOUT BENDS OR OFFSETS. ONE (1) 4/0 BOX TO BE PROVIDED FOR EACH REMOTE PULL STATION. WHEN TWO (2) REMOTE BOXES ARE MOUNTED SIDE-BY-SIDE THE DISTANCE BETWEEN CENTERS SHALL NOT BE LESS THAN 7".

CONDUIT AND 4/0 BOX WITH 1/2" TABS BY ELECTRICAL CONTRACTOR

5 REMOTE FIRE PULL



4 TYPICAL REMOTE ICE MACHINE CONNECTION



3 Electrical Rough-in Plan - Roof
1/4" = 1'-0"

Electrical Rough-in Schedule

Rev	Item	Qty	Description	Volt	Ph	Amps	JB	Plug	Hgt	Location	Electrical Remarks
	5	2	Undercounter Dishwasher	208V	1	24.7 A	Yes		18"	Wall	B.T.C. on Unit.
	9	2	Carbonator - By Purveyor	120V	1	6.5 A	No	5-20P	90"	Wall	
	12	2	Ice Cuber - Remote-Cooled	120V	1	16.1 A	Yes		66"	Wall	B.T.C. on Ice Cuber.
	12.1	2	Remote Condenser							Wall	Voltage from Ice Maker, No Additional Circuit is Req'd.
	17	2	Exhaust Hood	120V	1	10.0 A	Yes		120"	Wall	Circuit for Hood Lights.
	17.1	2	Exhaust Fan	VERIFY	0	0.0 A	Yes		4"	Wall	Re: Hood Mfg's Engineering Drawings.
	17.2	2	Supply Fan	VERIFY	0	0.0 A	Yes		4"	Wall	Re: Hood Mfg's Engineering Drawings.
	20	2	Refrigerated Base	120V	1	3.5 A	No	5-15P	18"	Wall	
	25	2	Fire Suppression System							Wall	
	26	2	Reach-in Dual Temp	120V	1	7.6 A	No	5-15P	48"	Wall	
	27	2	Pizza Prep Top Refrigerator	120V	1	2.5 A	No	5-15P	18"	Wall	
	30L	2	Shuttle Oven Lower Deck	208V	1	44.0 A	No	6-50P	42"	Wall	
	30U	2	Shuttle Oven Upper Deck	208V	1	44.0 A	No	6-50P	58"	Wall	
	31	2	Undercounter Refrigerator	120V	1	3.0 A	No	5-15P	18"	Wall	
	33	2	Soda Dispenser -6 Valve	120V	1	5.0 A	No	5-20P	24"	Wall	
	34	2	Microwave Oven	120V	1	16.0 A	No	5-20P	0"	Wall	
	35	2	Sandwich Prep Table	120V	1	2.5 A	No	5-15P	18"	Wall	
	37	2	POS Terminal	120V	1	5.0 A	Yes	5-15P	48"	Wall	Dedicated Circuit; Provide adjacent data home run.
	39	4	Fly Fan	120V	1	5.1 A	Yes		90"	Wall	Wire Thru Door Switch.

General Electrical Items

Rev	Item	Qty	Description	Volt	Ph	Amps	JB	Plug	Hgt	Electrical Remarks
-----	------	-----	-------------	------	----	------	----	------	-----	--------------------

SYMBOL LEGEND & ABBREVIATIONS

- SINGLE CONVENIENCE OUTLET (SCO)
- DOUBLE CONVENIENCE OUTLET (DCO)
- JUNCTION BOX (JB)
- HEATING ELEMENT OR POWER
- MOTOR OUTLET
- SOLENOID OR CONTROL CIRCUIT
- SINGLE POWER OUTLET AS NOTED
- CONVENIENCE OUTLET, 2 CIRCUIT 120/208V-1PH, 3 WIRE (OR AS NOTED)
- LIGHT INDICATION (VAPOR PROOF)
- FLUORESCENT LIGHT, 40W TOTAL (VAPOR PROOF)
- CONDUIT AS NOTED
- SPECIAL OUTLET AS NOTED
- PANELBOARD
- DISCONNECT SWITCH
- WIRING BY ELECTRICIAN
- SWITCH AS NOTED
- SWITCH AND PILOT LIGHT
- ELEVATION AFF
- AMPERES
- VOLTS
- WATTS
- PHASE
- ABOVE FINISHED FLOOR
- BRANCH TO CONNECTION POINT AND CONNECT EQUIPMENT
- BRANCH TO FIXTURE, FURNISH AND INSTALL RECEPTACLE
- DOWN FROM ABOVE
- DISCONNECT SWITCH
- STUB UP (AS NOTED)
- HORSEPOWER
- KILOWATTS
- WIRING BY MANUFACTURER
- FIXTURE MOUNTED OUTLET

ELECTRICAL ROUGH-IN NOTES

- A. ALL PLUMBING OUTLETS AND REQUIREMENTS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT FURNISHED BY THE KES, UNLESS OTHERWISE NOTED. FOR ANY ADDITIONAL BUILDING PLUMBING REQUIREMENTS, SEE OTHER PLANS.
- B. ALL DIMENSIONS GIVEN ARE FROM COLUMN CENTERLINE AND/OR ROUGH WALLS. ELEVATIONS GIVEN ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. ALL OUTLETS & J-BOXES ARE TO BE SET HORIZONTALLY. ALL 120V OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS, TO BE RATED AT 15 AMPS WITH MINIMUM LOOPING.
- C. ALL ROUGH-INS SHOWN ARE TO BE RUN INSIDE WALLS, (EXCEPT STUB-UPS). LOCATIONS INDICATE POINT OF EXIT FROM WALLS, CEILING OR FLOOR.
- D. ELECTRICIAN TO BRANCH TO CONNECTION WHERE REQUIRED AND TO CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING REQUIRED IN THE FIXTURES INCLUDING INTER-WIRING TO APPLIANCES AS REQUIRED BY THE SPECIFICATIONS AND/OR DRAWINGS.
- E. KITCHEN EQUIPMENT SUPPLIER TO FURNISH GALVANIZED JUNCTION BOXES IN FIXTURE CUT-OUTS AS REQUIRED BY THE ITEM SPECIFICATIONS AND INCLUDE APPROPRIATE ELECTRICAL RECEPTACLE, SIS FACEPLATE.
- F. ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL. THOSE REQUIRED IN BUILDING STRUCTURE ARE TO BE FURNISHED BY THE ELECTRICIAN, WITH RECEPTACLE. ALL MAIN BREAKER PANELS AND DISCONNECT SWITCHES REQUIRED BY OTHER ELECTRICAL DRAWINGS ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT TIME OF INSTALLATION.
- G. IF ELECTRICAL COOKING IS SPECIFIED, ELECTRICAL CONTRACTOR TO PROVIDE TIE-IN WIRING BETWEEN FIRE PROTECTION BOTTLE CONTROL HEAD, MICRO-SWITCH AND COOKING EQUIPMENT TO COMPLY WITH APPLICABLE LOCAL CODE REQUIREMENTS FOR EMERGENCY SHUTDOWN OF ENTIRE COOKLINE. SHUNT TRIP CIRCUITRY MAY BE REQUIRED, SEE OTHER ELECTRICAL PLANS.
- H. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL SWITCHES, STARTERS, DISCONNECTS, ETC., FOR ALL EQUIPMENT UNLESS NOTED OTHERWISE. ALL DISCONNECTS OR LOCK-OUT DEVICES, STARTERS, ETC., TO MEET AUTHORITY HAVING JURISDICTION.
- I. ELECTRICAL CONTRACTOR TO PROVIDE WRAP AROUND HEATER CABLE ON ALL EVAPORATOR DRAIN LINES IN WALK-IN FREEZERS.
- J. ELECTRICAL CONTRACTOR TO INSTALL AND WIRE EXTRA LIGHTS IN WALK-IN COOLERS AND FREEZERS AS REQUIRED, THRU DOOR SWITCH.
- K. ALL THREE (3) PHASE POWER CONNECTIONS TO BE ON A FOUR (4) WIRE SYSTEM, AND ALL SINGLE (1) PHASE POWER CONNECTIONS TO BE ON A THREE (3) WIRE SYSTEM, EXCEPT WHERE NOTED.

Drawings are PROPERTY OF ISI / Trimark CONSULTANT



2801 South Valley Parkway, Ste. 200
Lewisville, TX 75067
Phone (972)-922-7338
Email tphilips@isi-texas.com

ISSUE DATES

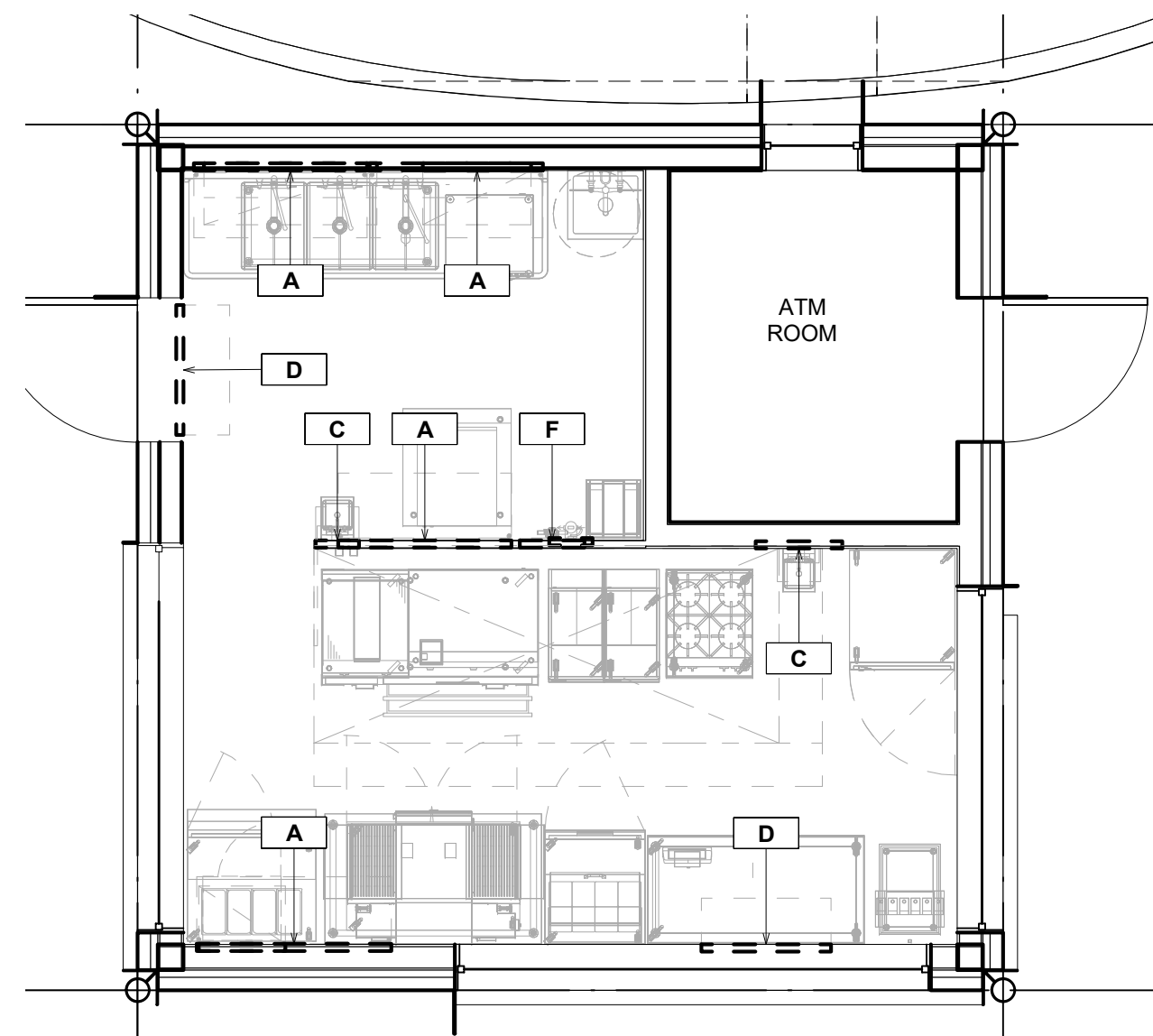
No.	Description	Date

ACU - Lancaster
Electrical Rough-in

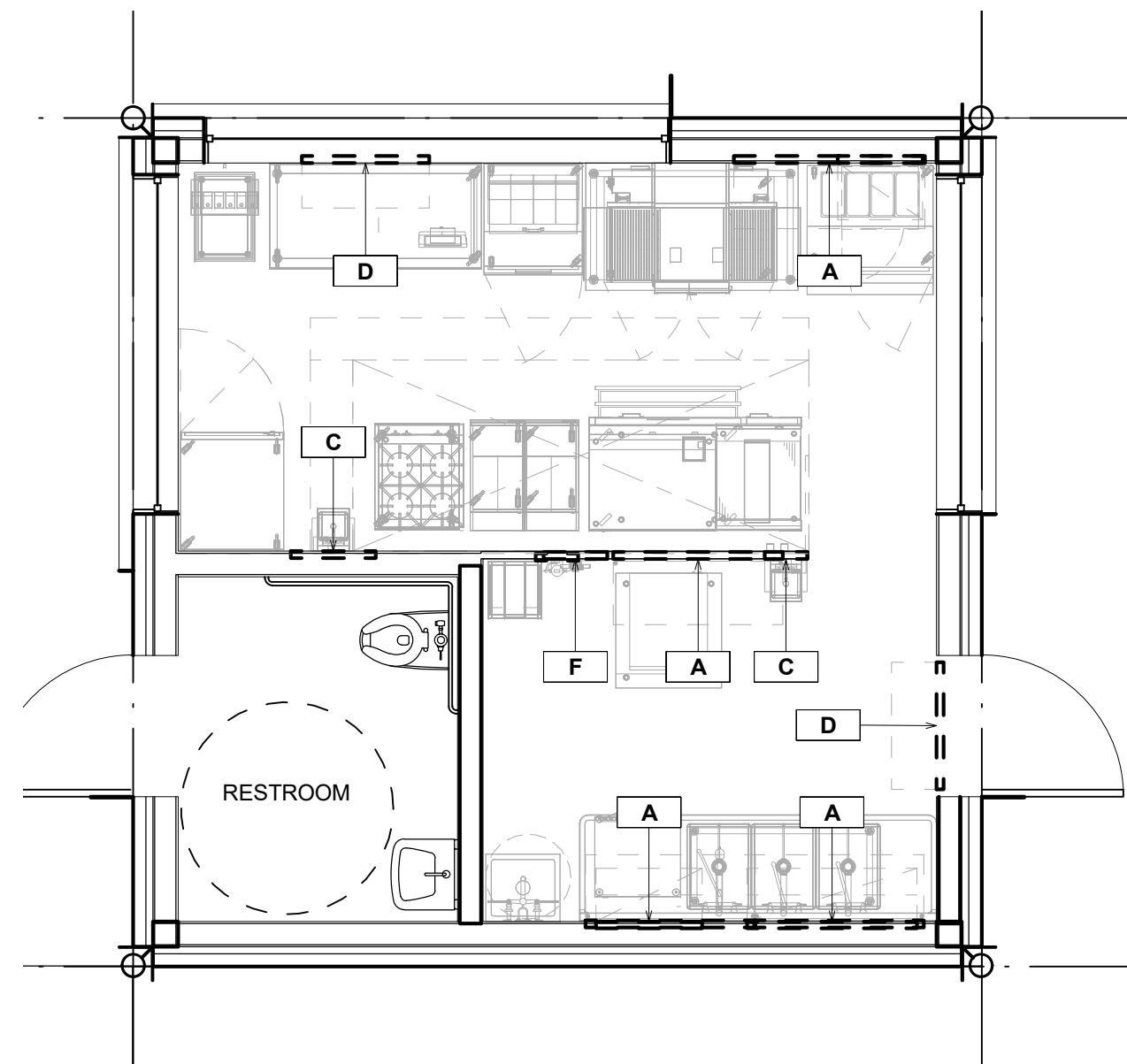
Project number
Date 04/17/2023

K5

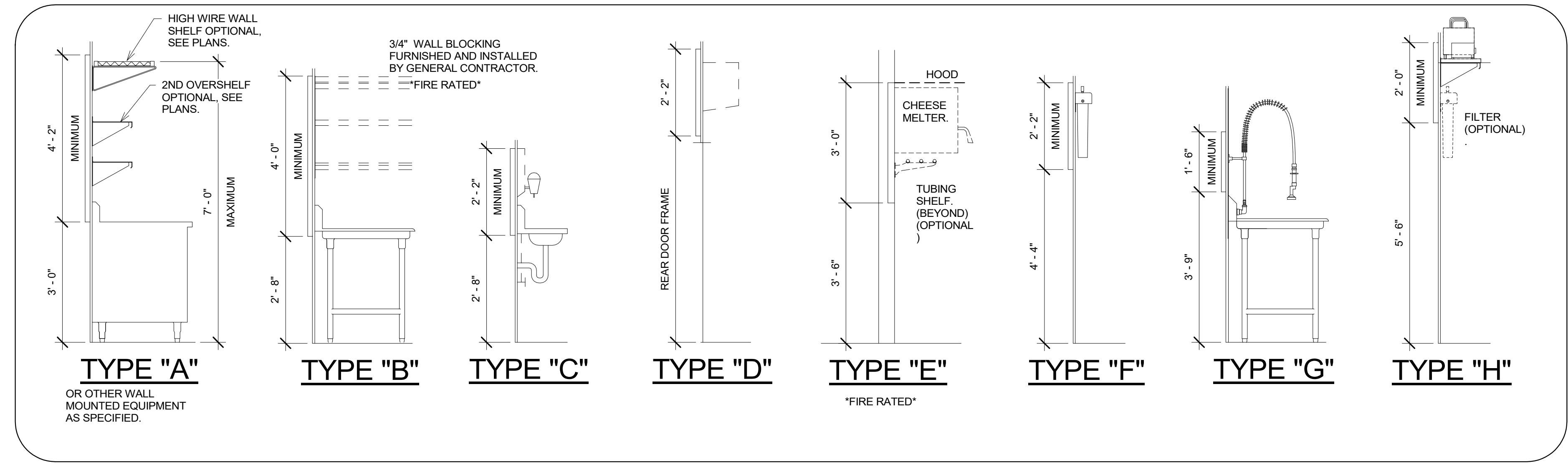
Scale As indicated



1 Wall Backing Plan - ATM Cube
1/4" = 1'-0"



2 Wall Backing Plan - Rest Cube
1/4" = 1'-0"



4 WALL BLOCKING DETAILS (ALL)

Drawings are
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Trimark
CONSULTANT



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Lewisville, TX 75067
Phone (972) 922-7338
Email tphilips@isi-texas.com

ISSUE DATES

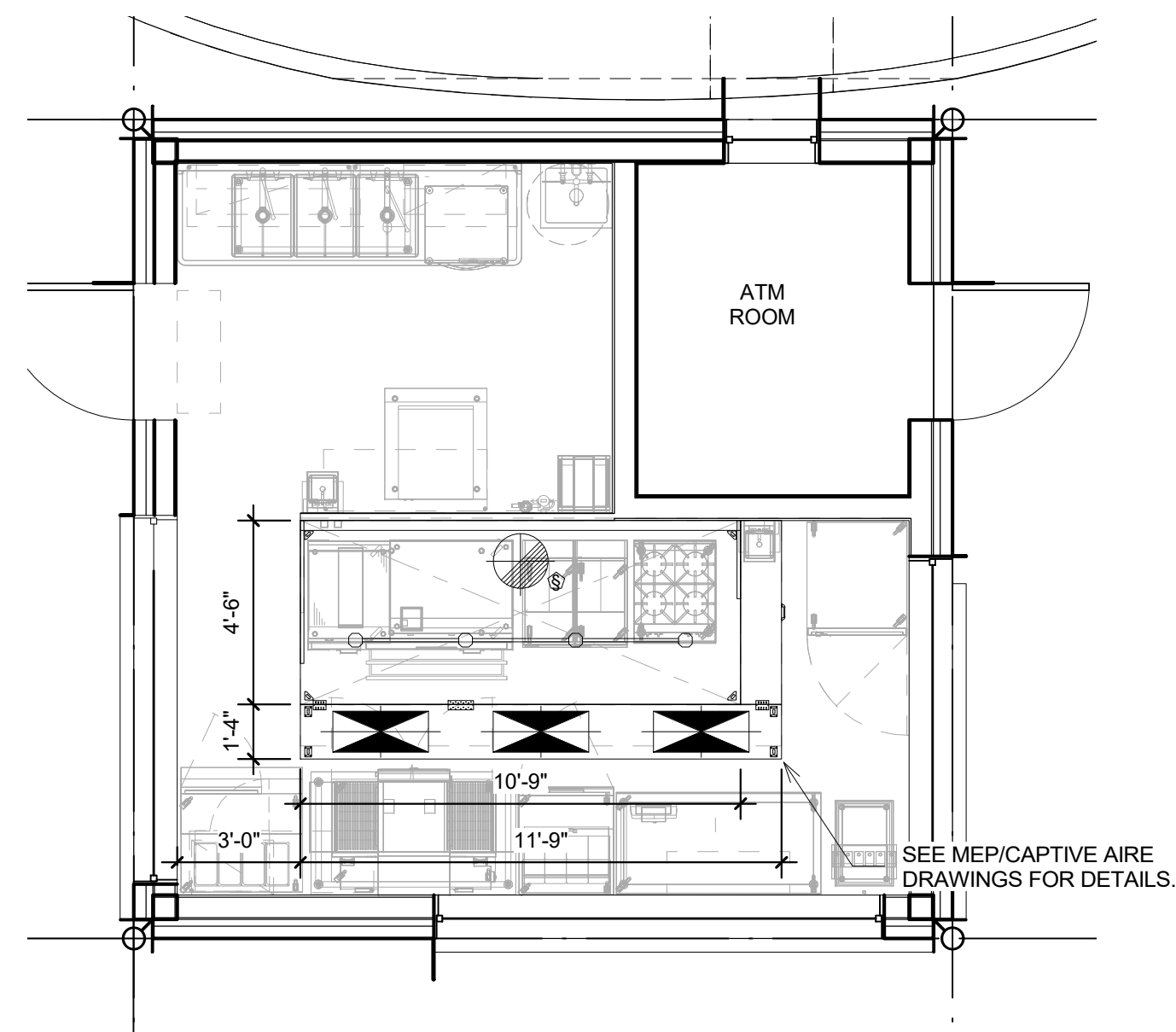
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ACU - Lancaster
Wall Backing/Special Conditions

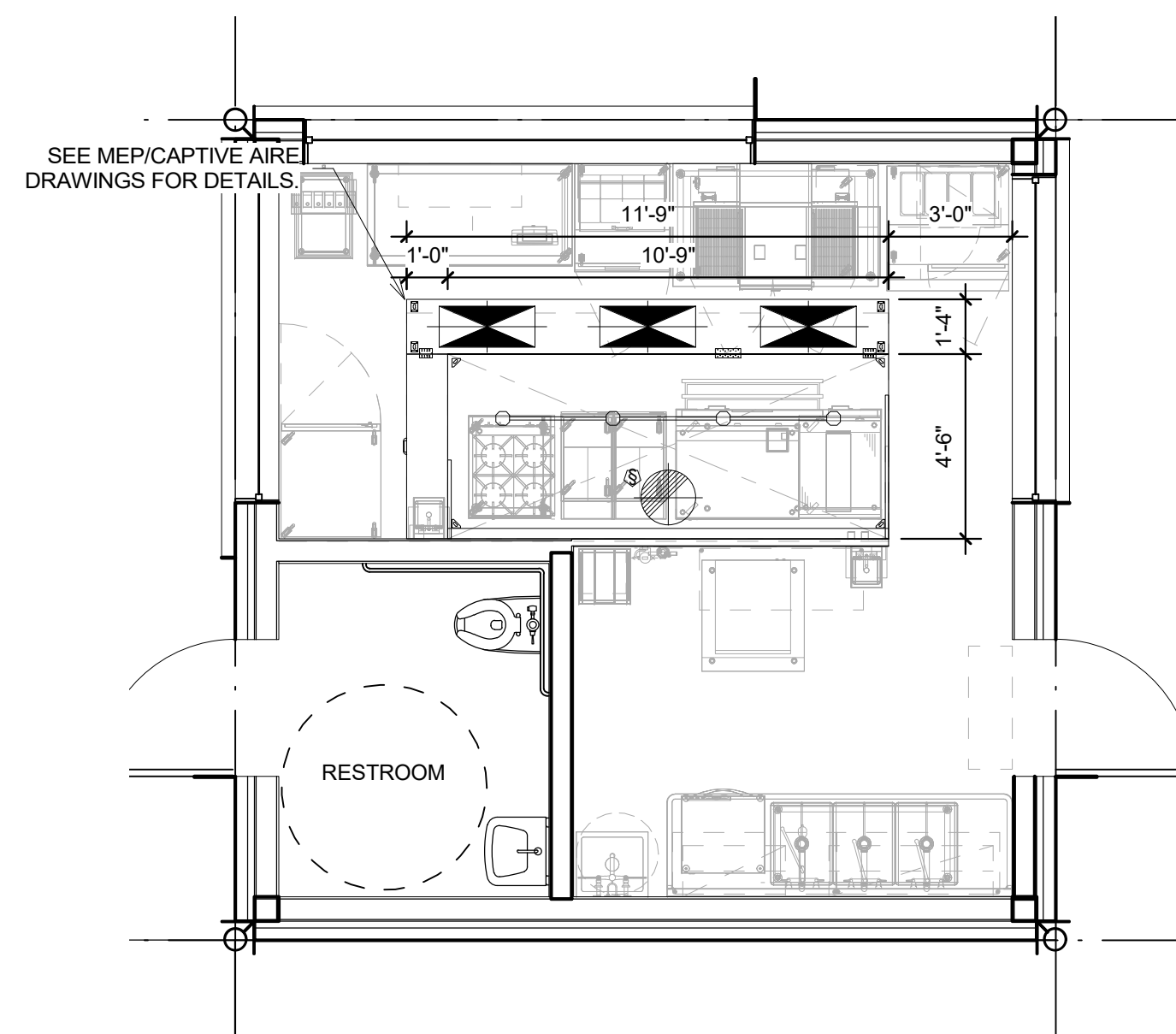
Project number
Date 04/17/2023

K6

Scale As indicated



1 Exhaust Hood Plan - ATM Cube
1/4" = 1'-0"



2 Exhaust Hood Plan - Rest Cube
1/4" = 1'-0"

RE: CAPTIVE AIRE DRAWINGS
FOR INFORMATION AND
CALCULATIONS.

Drawings are
PROPERTY OF ISI /
Trimark
CONSULTANT

TriMark
Foodservice Equipment, Supplies and Design
2801 South Valley Parkway, Ste. 200
Lewisville, TX 75067
Phone (972) 922-7338
Email tphillips@isi-texas.com

ISSUE DATES

No.	Description	Date

ACU - Lancaster
Exhaust Hood Plan

Project number
Date 04/17/2023

K7
Scale 1/4" = 1'-0"

FOR QUESTIONS, CALL THE
Dallas Office
REGION 45
PHONE: (214) 220-3999
EMAIL: reg45@captiveaire.com

PATENT NUMBERS

AC-PSP (UNITED STATES) - US PATENT 7963830 B2.
AC-PSP WALL (CANADA) - CA PATENT 2820509.
AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

HOOD INFORMATION - JOB#5737513

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)				TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG			
										WIDTH	LENG	HEIGHT	DIA			CFM	VEL	SP	END TO END
1	ATM Cube	5430 ND-2-PSP-F	CAPTIVEAIRE	10' 9"	600 DEG	I	HEAVY	251	2700		4"	16"	2700	1934	-1.061'	2430	430 SS WHERE EXPOSED	ALONE	ALONE
2	RR Cube	5430 ND-2-PSP-F	CAPTIVEAIRE	10' 9"	600 DEG	I	HEAVY	251	2700		4"	16"	2700	1934	-1.061'	2430	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT		
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #			SWITCHES QUANTITY	
1	ATM Cube	CAPTRATE SOLID FILTER	8	20"	16"	85% SEE FILTER SPEC	4	L55 SERIES E26	NO	RIGHT	12"x54"x30"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT	1 FAN	YES	1082 LBS
2	RR Cube	CAPTRATE SOLID FILTER	8	20"	16"	85% SEE FILTER SPEC	4	L55 SERIES E26	NO	RIGHT	12"x54"x30"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT	1 FAN	YES	1082 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	ATM Cube	FIELD WRAPPER 11.00' HIGH FRONT, LEFT, RIGHT. BACKSPLASH 80.00' HIGH X 141.00' LONG 430 SS VERTICAL. RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. LEFT WIDE VERTICAL END PANEL 42" TOP WIDTH, 36" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
2	RR Cube	FIELD WRAPPER 11.00' HIGH FRONT, LEFT, RIGHT. BACKSPLASH 80.00' HIGH X 141.00' LONG 430 SS VERTICAL. RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. LEFT WIDE VERTICAL END PANEL 42" TOP WIDTH, 36" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG	DIA	CFM	SP
1	ATM Cube	Front	141'	16'	6'	MUA	12"	28"		810	0.244"
						MUA	12"	28"		810	0.244"
						MUA	12"	28"		810	0.244"
2	RR Cube	Front	141'	16'	6'	MUA	12"	28"		810	0.244"
						MUA	12"	28"		810	0.244"

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER

THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

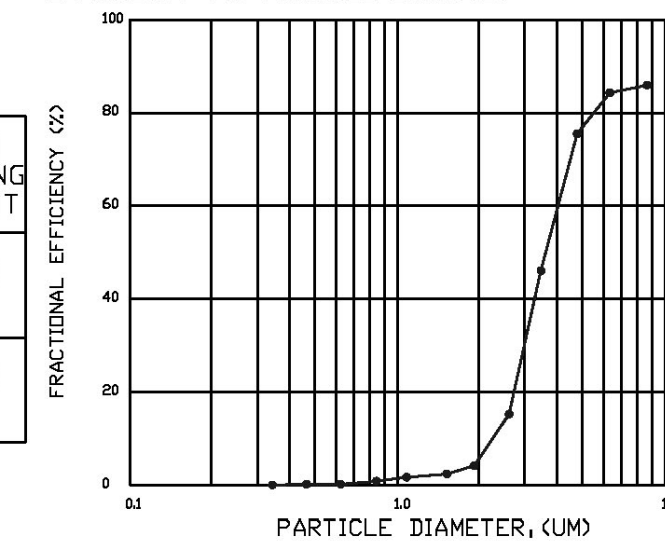
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

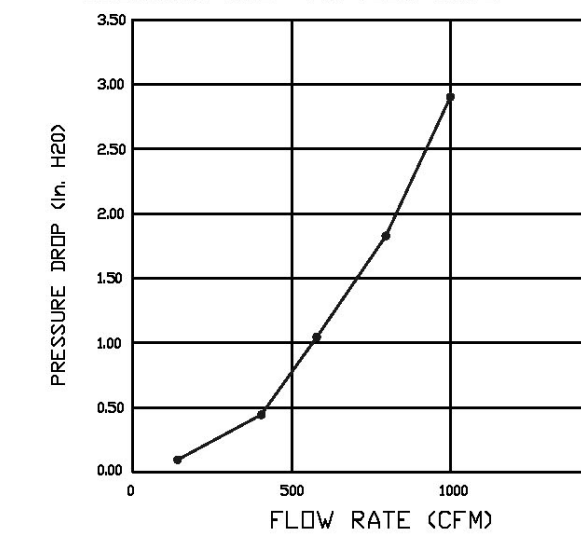
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2519-05, MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER

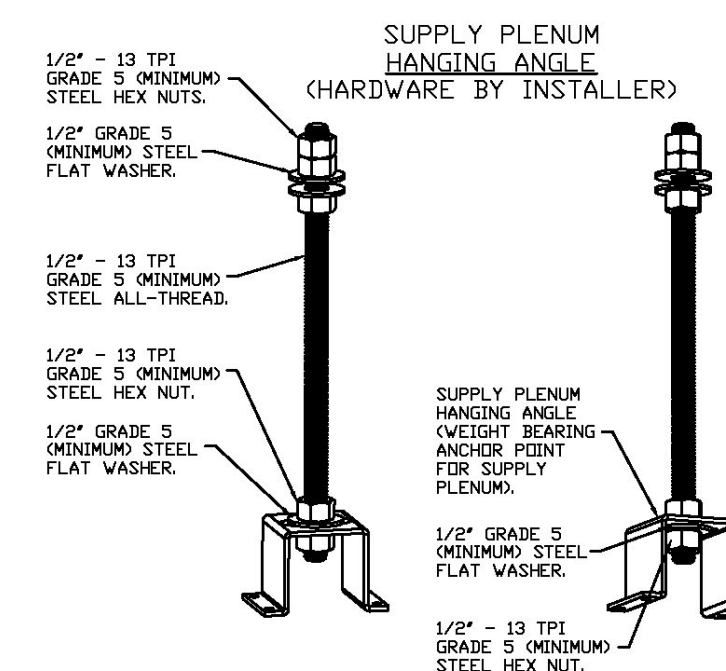


PRESSURE DROP VS. FLOW RATE



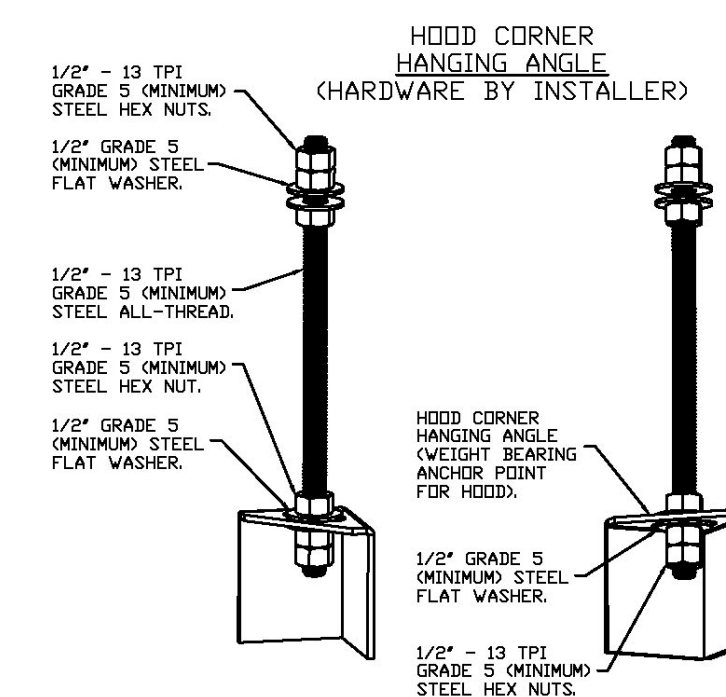
CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:

- NFPA #96
- NSF STANDARD #2.
- UL STANDARD #1046.
- INT. MECH. CODE (IMC).
- ULC-S649.



ASSEMBLY INSTRUCTIONS

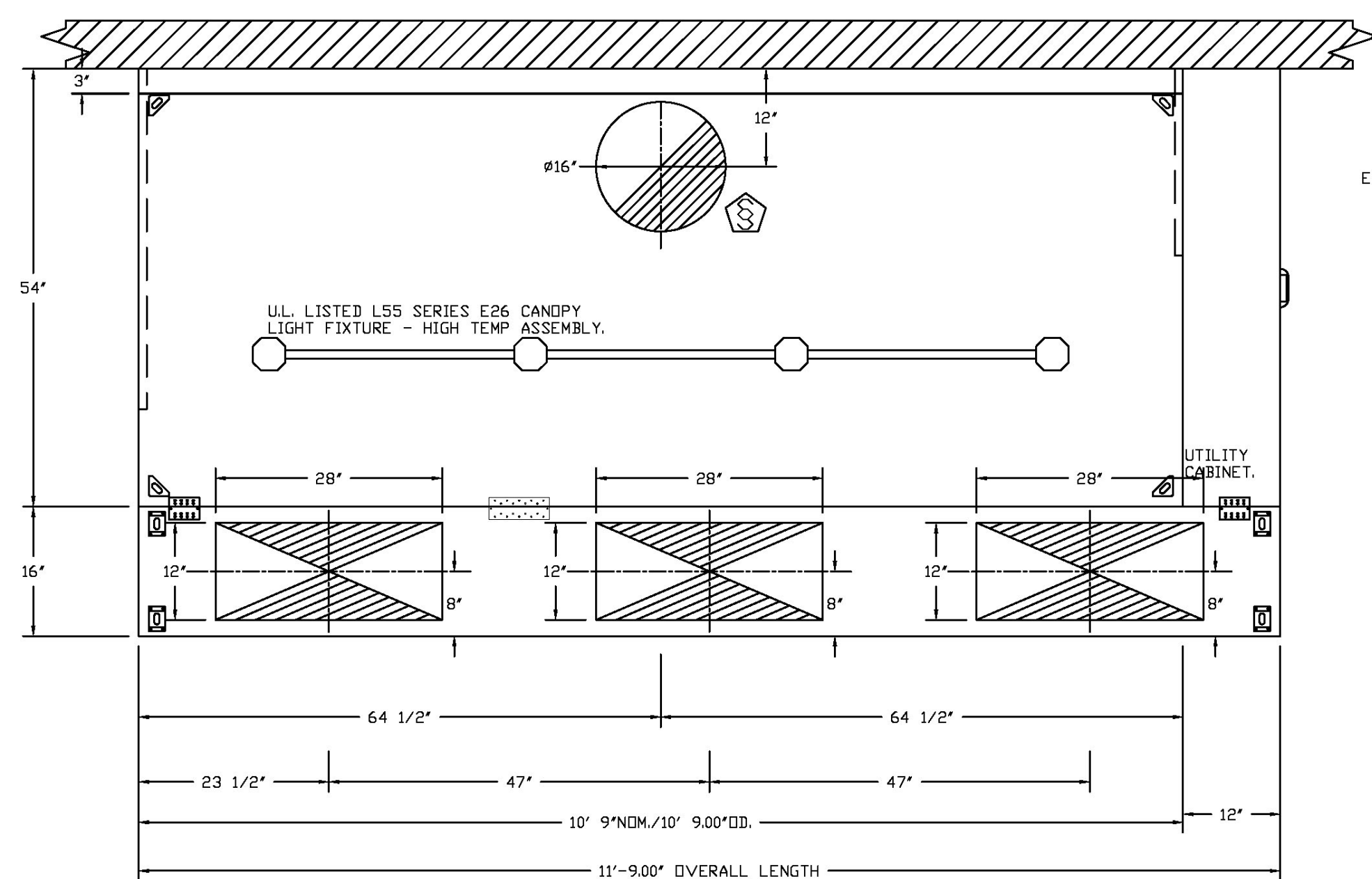
HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



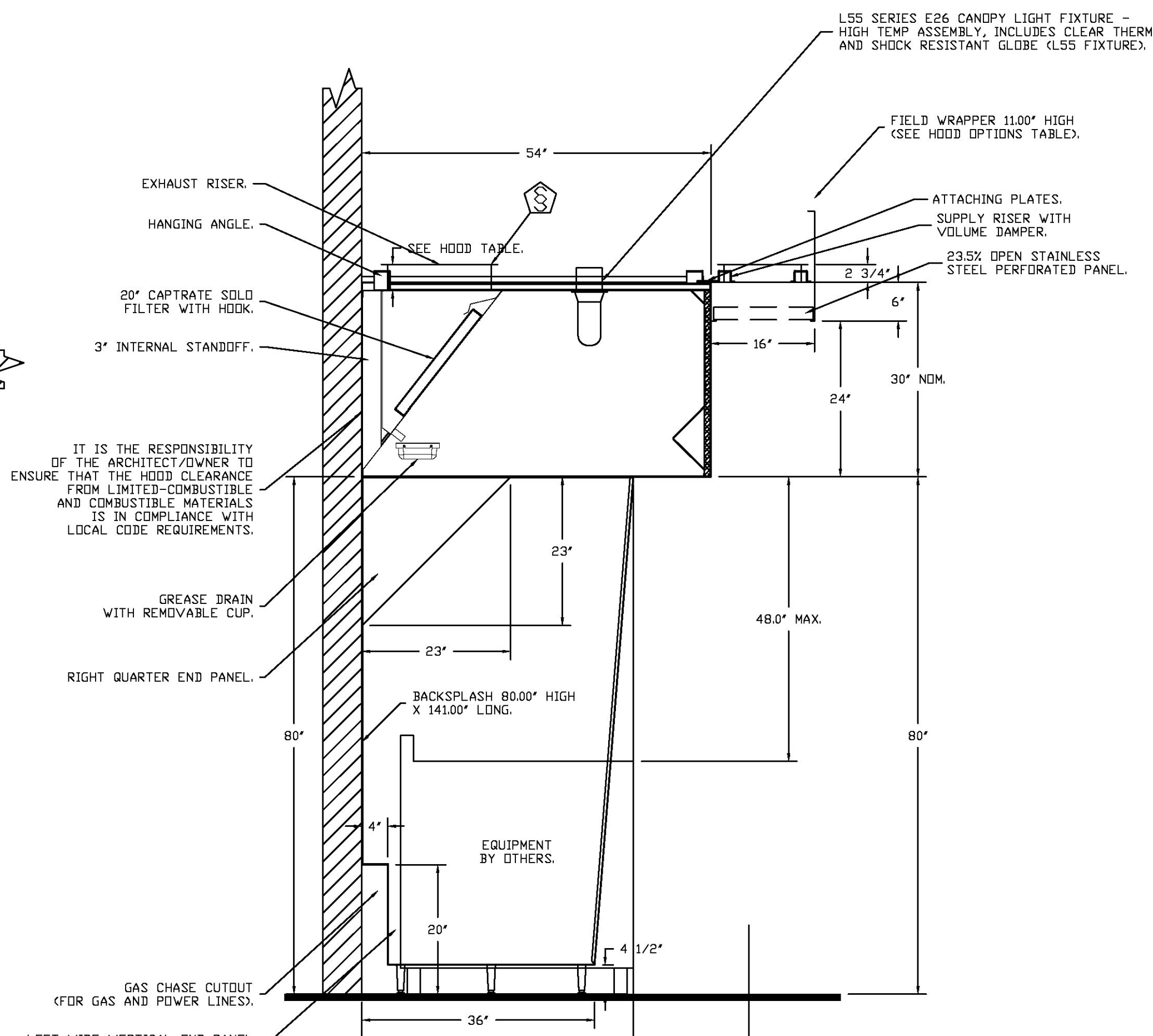
ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

FOR QUESTIONS, EMAIL THE
CaptiveAir Dallas Sales Office
Colin Prewitt
PHONE: (214) 220-3999
EMAIL: reg45@captiveaire.com



PLAN VIEW - HOOD #1 (ATM Cube), #2 (RR Cube)
10' 9.00" LONG 54.30ND-2-PSP-F



SECTION VIEW - MODEL 5430ND-2-PSP-F
HOOD - #1 (ATM Cube), #2 (RR Cube)

HVAC DISTRIBUTION NOTE

HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NFPA #96
NSF
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001

REVISIONS

NO.	DESCRIPTION	DATE

CAPTIVEAIRE
Dallas Office
1901 Royal Lane Suite 101, DALLAS, TX 75229 PHONE: (214) 220-3989 FAX: (214) 220-0089 EMAIL: reg45@captiveaire.com

ACU Lancaster
ABILENE, TX, 79601

DATE: 4/14/2023
DWG.#: 5737513
DRAWN BY: CJP-REG45
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
1

Drawings are PROPERTY OF ISI / Trimark CONSULTANT

TriMark
Foodservice Equipment, Supplies and Design
2801 South Valley Parkway, Ste. 200
Lewisville, TX 75067
Phone (972) 922-7338
Email tphilips@isi-texas.com

ISSUE DATES

No.	Description	Date

ACU - Lancaster
Exhaust Hood Drawings

Project number
Date 04/17/2023

Scale
K7.1

FIRE SYSTEM INFORMATION - JOB#5737513

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1	ATM CUBE	TANK FS	4.0/4.0	37	FIRE CABINET RIGHT	RIGHT, HOOD 1
2	RR CUBE	TANK FS	4.0/4.0	37	FIRE CABINET RIGHT	RIGHT, HOOD 2

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	ATM CUBE	SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS
2	RR CUBE	SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS

INCLUDES: FIELD INSTALLATION AND HOOKUP OF THE FIRE SUPPRESSION SYSTEM DURING NORMAL BUSINESS HOURS ONLY, TWO SITE VISITS ONLY (ONE VISIT FOR SYSTEM HOOKUP/INSTALL AND ONE VISIT FOR ONE TEST/FINAL WITH FIRE MARSHAL), PERMIT, AND ONE SYSTEM TEST. EXCLUDES: GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND ALL ELECTRICAL CONNECTIONS, HANGING OF WALL MOUNTED FIRE & ELECTRICAL CABINET(S) (IF APPLICABLE), RECESSING PULL STATION INTO THE WALL, SHUNT TRIPS, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES, ADDITIONAL SITE VISITS DUE TO CONDITIONS OUTSIDE THE INSTALLERS RESPONSIBILITY, RETEST DUE TO CONDITIONS OUTSIDE THE INSTALLERS RESPONSIBILITY, UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), CERTIFIED PAYROLL, ENGINEER STAMPING OF DRAWINGS, HORN STROBE(S), CARBON MONOXIDE DETECTOR(S).

JUNCTION BOX AND CONDUIT TO BE RECESS MOUNTED BY JOB SITE ELECTRICIAN - OTHERWISE JUNCTION BOX AND CONDUIT WILL BE SURFACE MOUNTED ON TOP OF THE WALL.

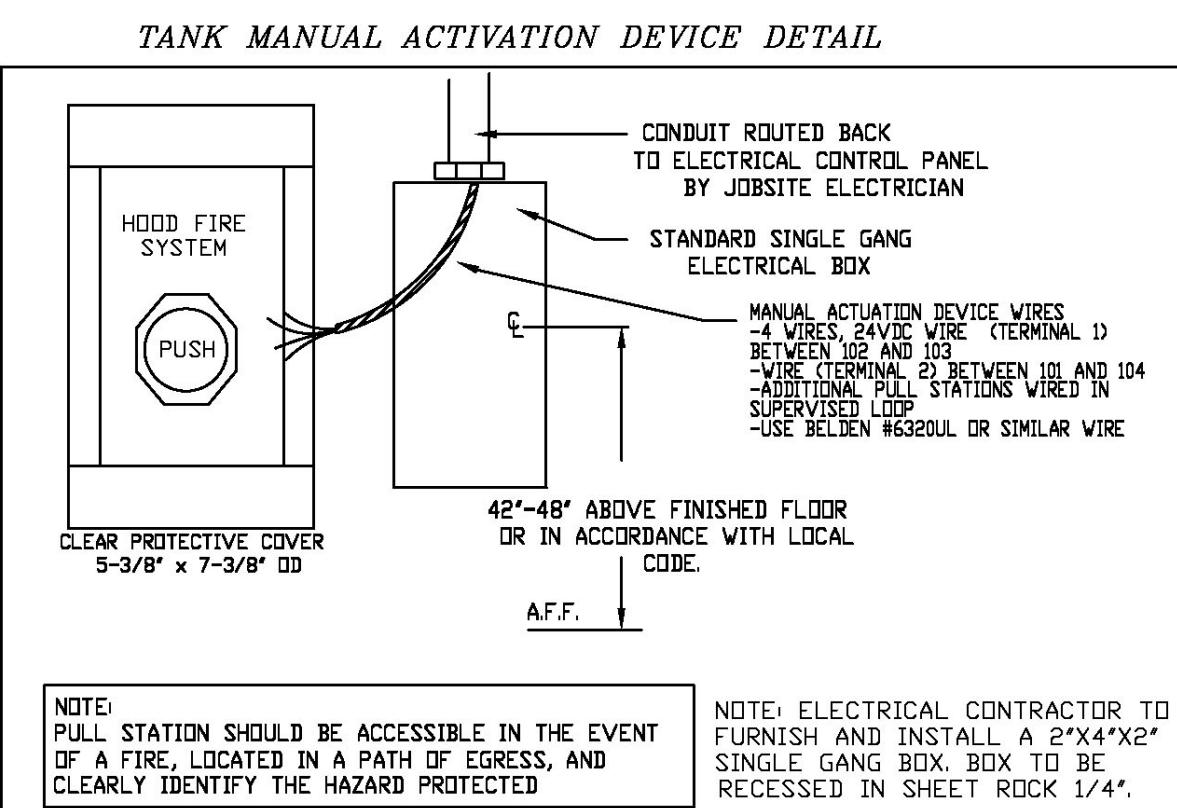
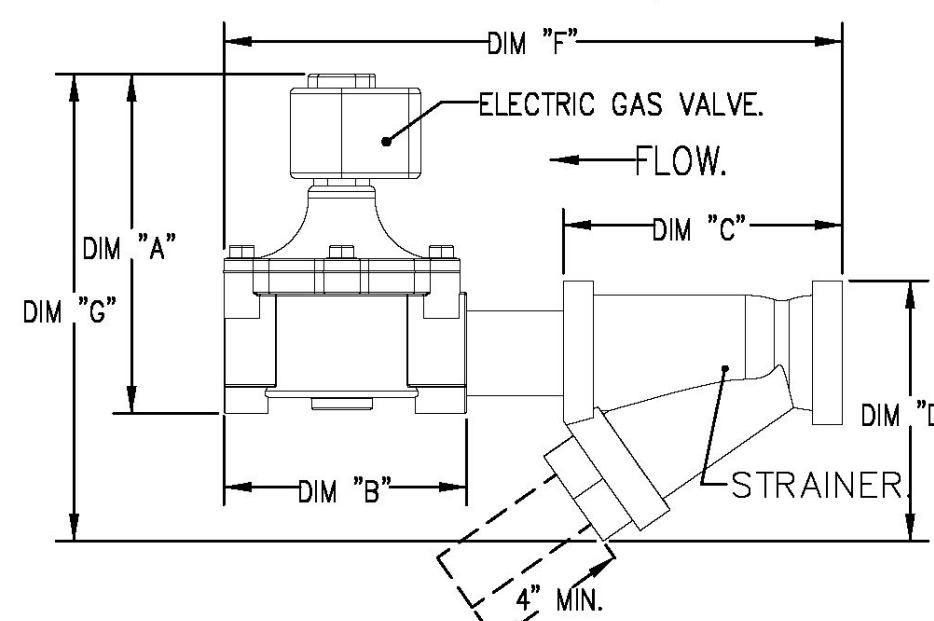
2.5" AND 3" ELECTRIC GAS VALVES MUST BE INSTALLED IN HORIZONTAL GAS PIPE WITH THE SOLENOID VERTICALLY UP - TOP MOUNTED.

MAXIMUM OF TWO GAS VALVES PER SYSTEM.

GAS VALVE SIZING										GAS VALVE DIMENSIONS						INSTALLATION		PART NUMBERS	
TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"	MOUNTING ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT		
ELECTRICAL	2"	120 VAC	0 PSI (0 IN.W.C.)	5 PSI (138 IN.W.C.)	2,940,500 BTU/HR	1,908,048 BTU/HR	7-5/8"	6-3/8"	7-1/4"	7-13/16"	15-5/8"	13-15/16"	HORIZONTAL/VERTICAL	8214280	4417668	(SC)EJVA2			

ALL GAS VALVES/STRAINERS
 PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

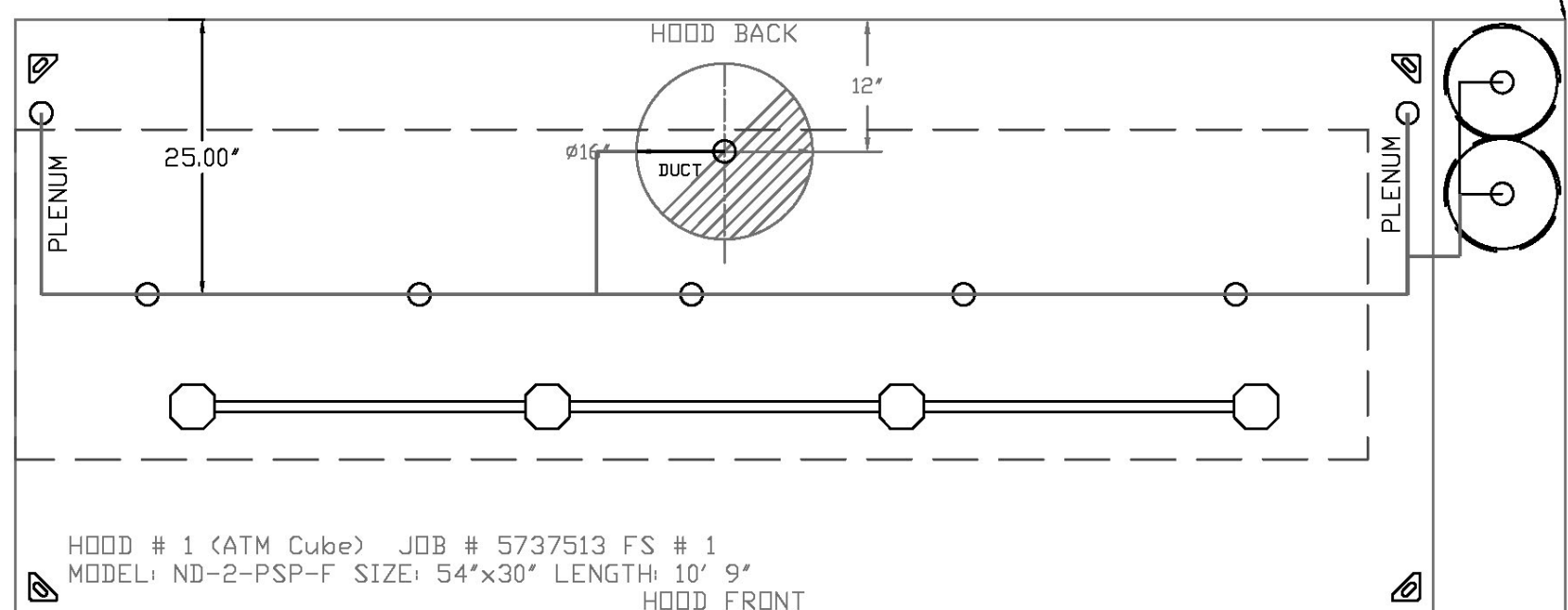
CALCULATIONS
 TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
 NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP^{0.85}
 TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY
 NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY)^{0.85}



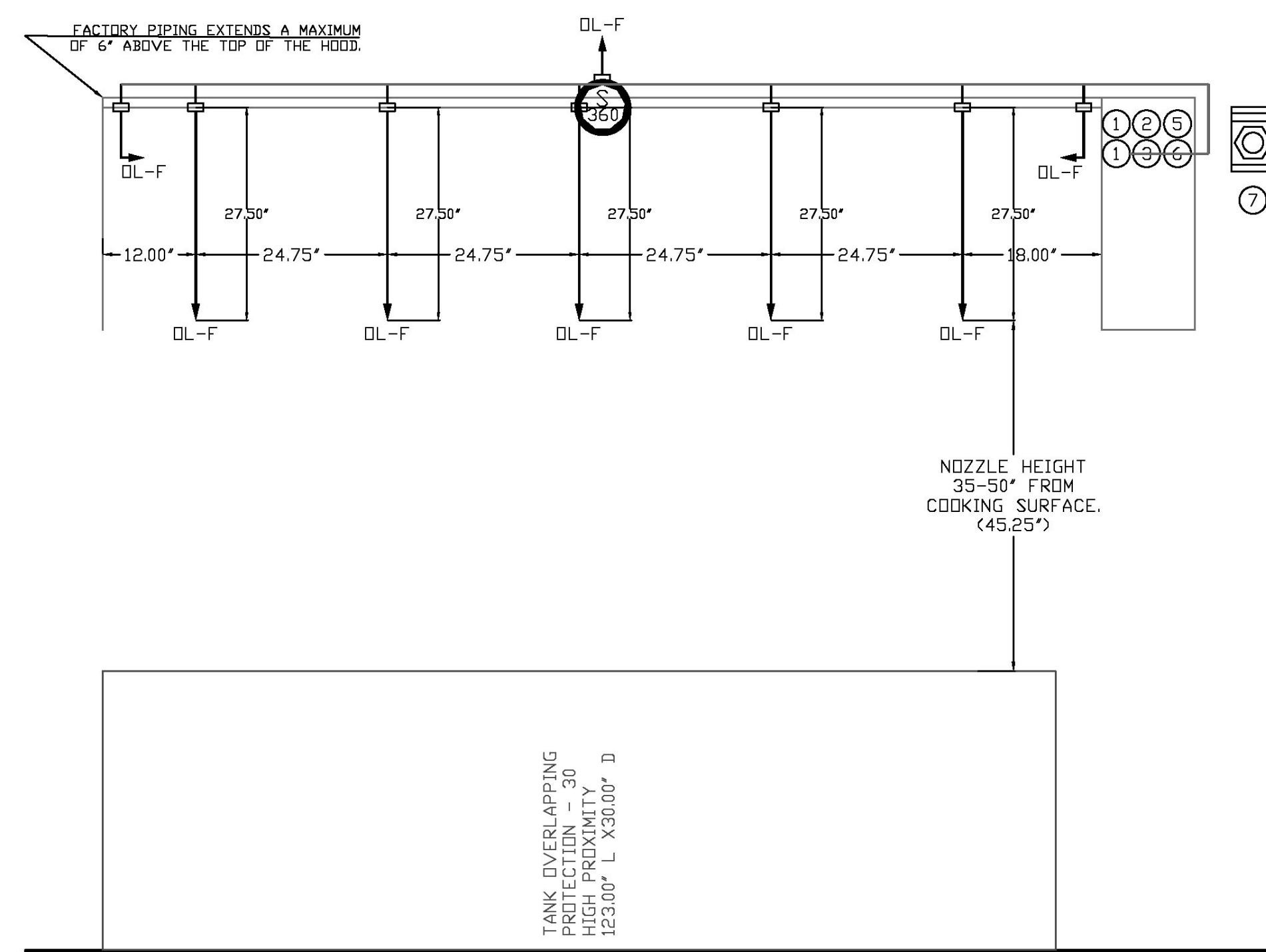
NOTE: PULL STATION SHOULD BE ACCESSIBLE IN THE EVENT OF A FIRE, LOCATED IN A PATH OF EGRESS, AND CLEARLY IDENTIFY THE HAZARD PROTECTED.

NOTE: ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A 2"x4"x2" SINGLE GANG BDX. BDX TO BE RECESSED IN SHEET ROCK 1/4".

- SYSTEM REQUIRES A MINIMUM OF 2-PS-88 EQUIVALENT PIPE LENGTH BETWEEN TANK AND NEAREST APPLIANCE NOZZLE FOR MOST APPLIANCES. EACH 90 DEGREE ELBOW ADDS 1.3 FT OF EQUIVALENT LENGTH. SEE MANUAL FOR DETAILS



HOOD # 1 (ATM Cube) JOB # 5737513 FS # 1
 MODEL: ND-2-PSP-F SIZE: 54"x30" LENGTH: 10' 9"
 HOOD FRONT



TANK OVERLAPPING PROTECTION - 30 HIGH PROXIMITY 123.00\"/>

NOTES

- FIELD PIPE DROPS AS SHOWN
- PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6\"/>

JOB #: 5737513.
 JOB NAME: ACU LANCASTER.
 SYSTEM SIZE: TANK-SP-2 TOTAL FP REQUIRED: 37.
 HOOD # 1 10' 9.00\"/>

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
 - MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

LEGEND - FIRE CABINET TANK SYSTEM

- 4 GALLON TANK.
- PRIMARY ACTUATOR RELEASE.
- SECONDARY ACTUATOR RELEASE.
- PRESSURE SUPERVISION SWITCH.
- PRIMARY HOSE ASSEMBLY.
- SECONDARY HOSE ASSEMBLY.
- REMOTE MANUAL ACTIVATION DEVICE.

REVISIONS	
DESCRIPTION	DATE

Dallas Office
 1901 Royal Lane Suite 101, DALLAS, TX, 75229 PHONE: (214) 220-3889 FAX: (214) 220-0089 EMAIL: reg@captivaire.com

ACU Lancaster
 ABILENE, TX, 79601

DATE: 4/14/2023
 DWG.#: 5737513
 DRAWN BY: CJP-REG45
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 2

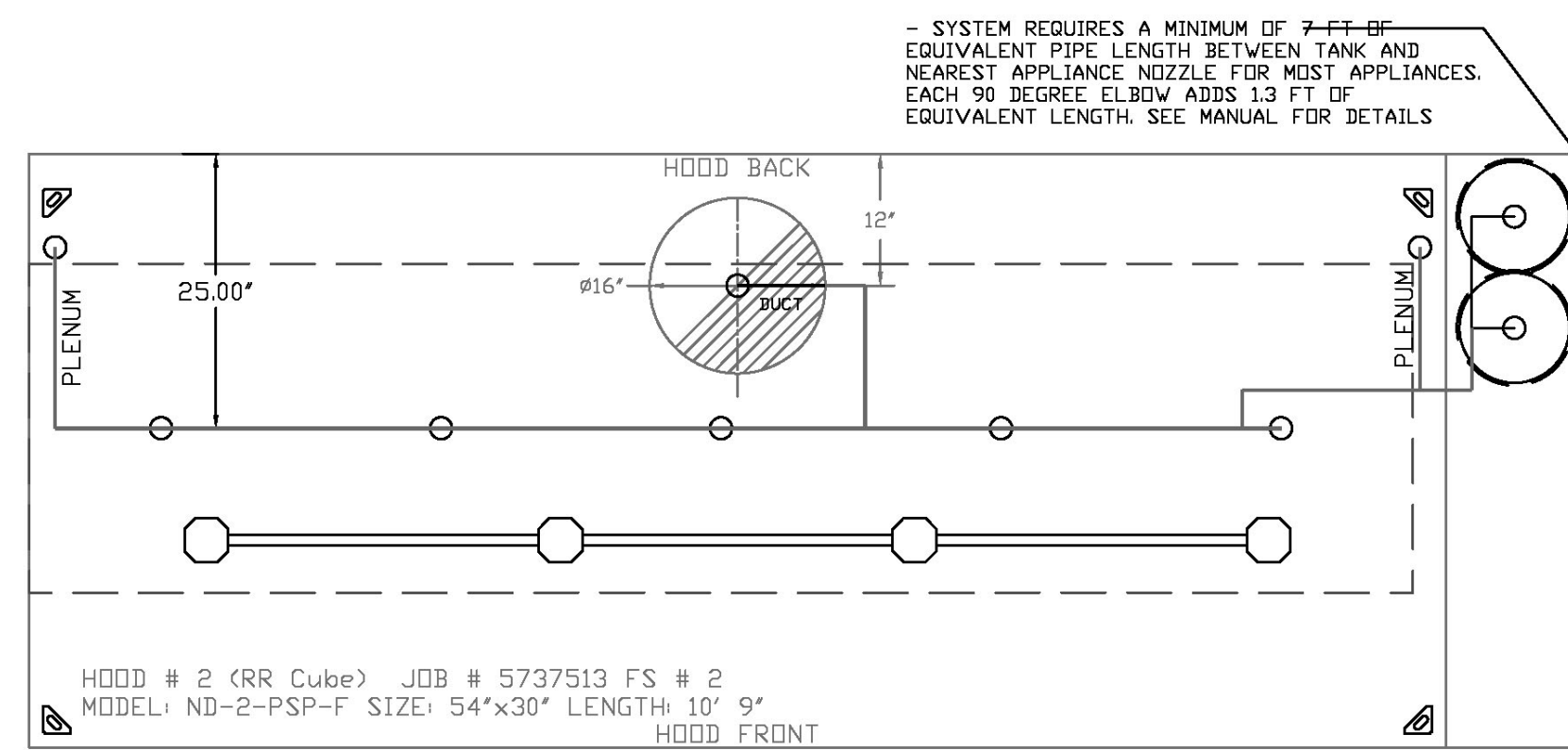
2801 South Valley Parkway, Ste. 200
 Lewisville, TX 75067
 Phone (972) 922-7338
 Email tphilips@isi-texas.com

ISSUE DATES	
No.	Description

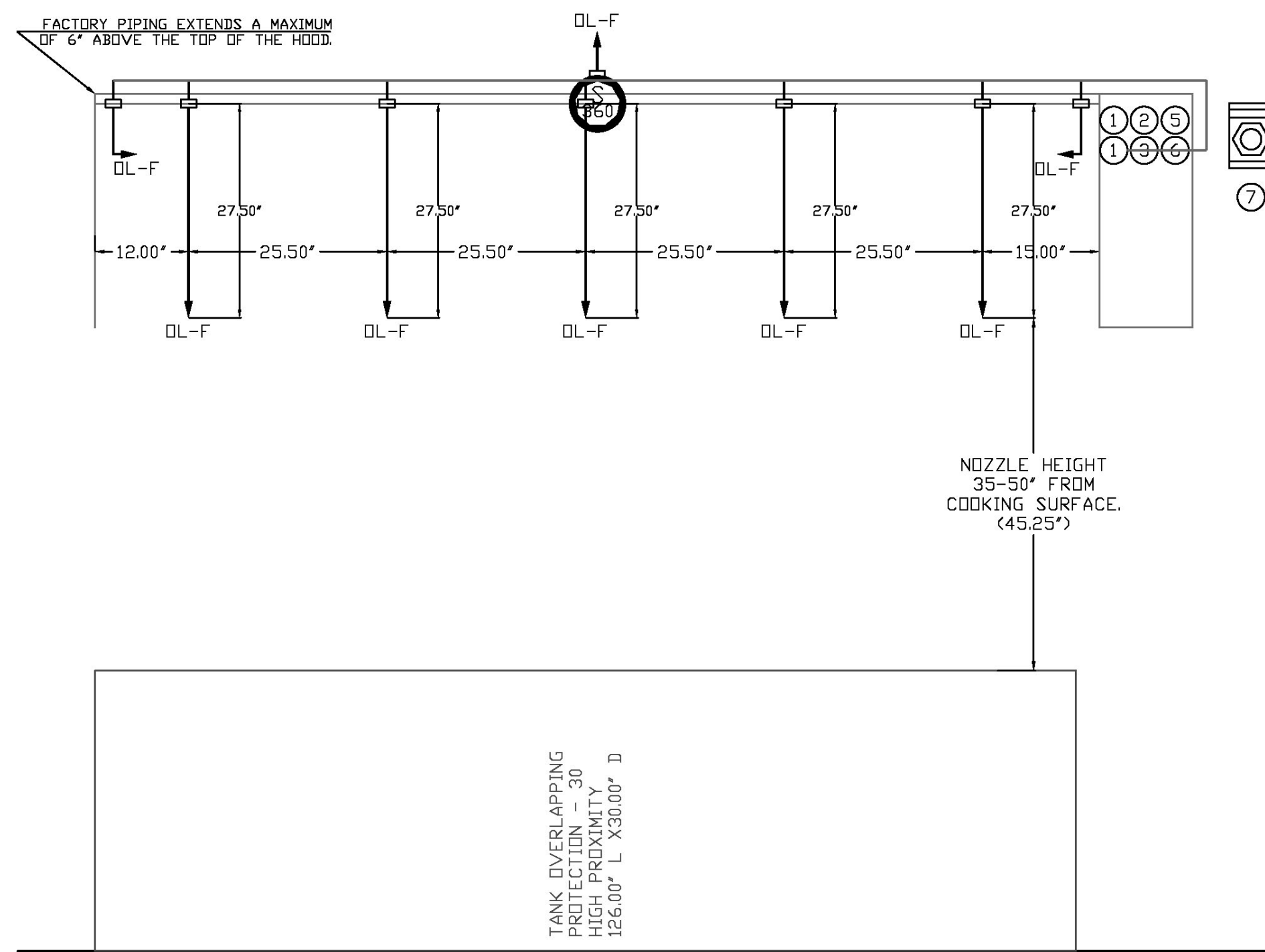
ACU - Lancaster
 Exhaust Hood Drawings

Project number
 Date 04/17/2023

Scale
K7.2



HOOD # 2 (RR Cube) JOB # 5737513 FS # 2
 MODEL: ND-2-PSP-F SIZE: 54"x30" LENGTH: 10' 9"
 HOOD FRONT



TANK OVERLAPPING PROTECTION - 30 MIN. PROTECTION
 125.00" L X 30.00" D

- NOTES**
- FIELD PIPE DROPS AS SHOWN
 - PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
 - FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
 - SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELIVING, SALAMANDERS, ETC.
 - OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
 - IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 5737513.
 JOB NAME: ACU LANCASTER.

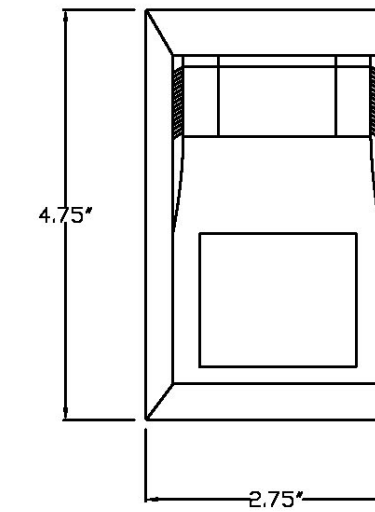
SYSTEM SIZE: TANK-SP-2 TOTAL FP REQUIRED: 37.
 HOOD # 2 10' 9.00" LONG x 54" WIDE x 30" HIGH.
 RISER # 1 SIZE: 16" DIA.
 HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

LEGEND - FIRE CABINET TANK SYSTEM

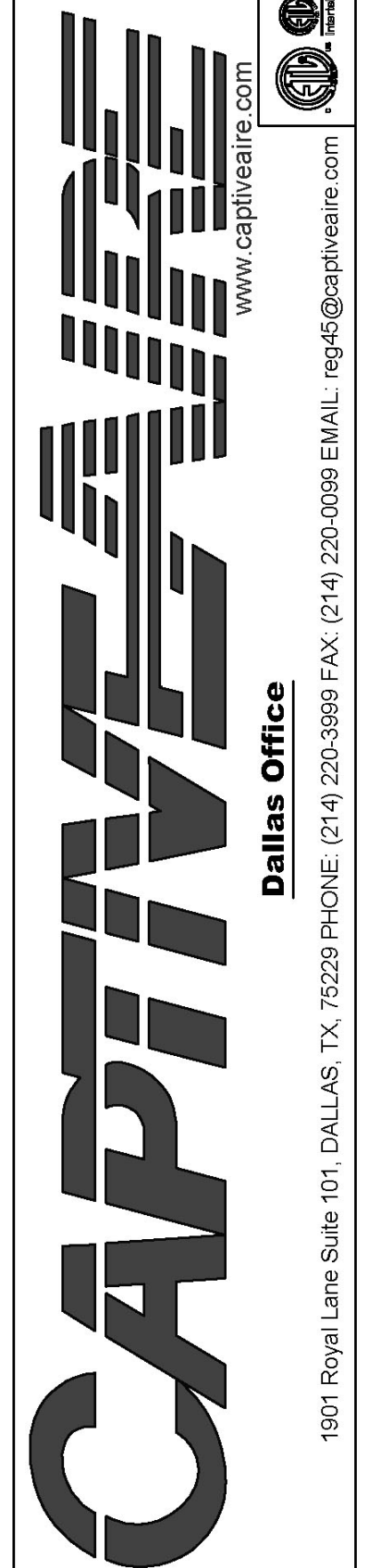
- 1 4 GALLON TANK.
- 2 PRIMARY ACTUATOR RELEASE.
- 3 SECONDARY ACTUATOR RELEASE.
- 4 PRESSURE SUPERVISION SWITCH.
- 5 PRIMARY HOSE ASSEMBLY.
- 6 SECONDARY HOSE ASSEMBLY.
- 7 REMOTE MANUAL ACTUATION DEVICE.

ROOM TEMPERATURE SENSOR



ROOM TEMPERATURE SENSOR:
 To be installed on the wall 48" to 60" AFF to read the ambient temperature of the kitchen. Do not install close to the hood or near other heat/cold producing appliances or under a HVAC supply grill. Ideal location provides an ambient temperature of the kitchen.

REVISIONS	
DESCRIPTION	DATE



ACU Lancaster
 ABILENE, TX, 79601

DATE: 4/14/2023
 DWG.#: 5737513
 DRAWN BY: CJP-REG45
 SCALE: 3/4" = 1'-0"
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SHEET NO. 3

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 Foodservice Equipment, Supplies and Design
 2801 South Valley Parkway, Ste. 200
 Lewisville, TX 75067
 Phone (972)-922-7338
 Email tphillips@isi-texas.com

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ACU - Lancaster Exhaust Hood Drawings

Project number
 Date 04/17/2023

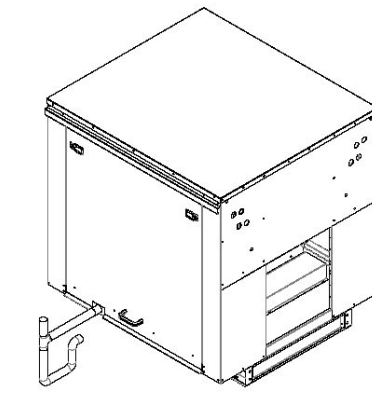
Scale
K7.3

- FANS #3 (4TM CUBE), #4 (RR CUBE) - A2-D250-80D-MPU HEATER
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 20" MIXED FLOW DIRECT DRIVE FAN.
 2. V-BANK EZ FILTERS - INDOOR.
 3. DOWN DISCHARGE - AIR FLOW LEFT -> RIGHT.
 4. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
 5. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC, 2.5" DIAMETER, 1/4" THREAD SIZE.
 6. SHIP LOOSE GAS STRAINER TO BE INSTALLED UPSTREAM OF UNIT CONNECTION, 1" CONNECTION.
 7. MOTORIZED BACK DRAFT DAMPER 22.75" X 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, LF120S ACTUATOR INCLUDED.
 8. BUTTERFLY MOD VALVE OPTION FOR MID SIZE 2 (4" MOD VALVE).
 9. MOUNT MOTOR AND CONTROLS ON OPPOSITE SIDE OF HEATER.
 10. "INSULATION" FOR V-BANK INTAKE OPTION.
 11. 8 TON, DUAL CIRCUIT (2/2) MODULAR PACKAGED AC COOLING OPTION FOR SIZE 2 BF/EH MODULAR PACKAGED UNIT. INCLUDES CONDENSER, BK COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING. (1200 TO 3000 CFM) WHEN ORDERED WITH OPPOSITE AIRFLOW CONDENSERS ACCESS AND COIL PIPING WILL REMAIN IN STANDARD POSITION. DRAIN AND SLEDS WILL MOVE TO THE OPPOSITE SIDE. ANY OTHER CHANGE WILL REQUIRE CLI. CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION. COIL = 2EY130E1.
 12. DOWNTURN PLENUM FOR SIZE 2 COOLING COIL MODULE - REQUIRED FOR DOWN DISCHARGE COOLING COIL APPLICATIONS.
 13. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRED PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.
 14. PROFILE PLATE CONFIGURATION FOR SIZE 2 DIRECT FIRED UNIT FOR LOW CFM APPLICATIONS.
 15. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER/MPU SECTION).
 16. 2 YEAR PARTS WARRANTY.

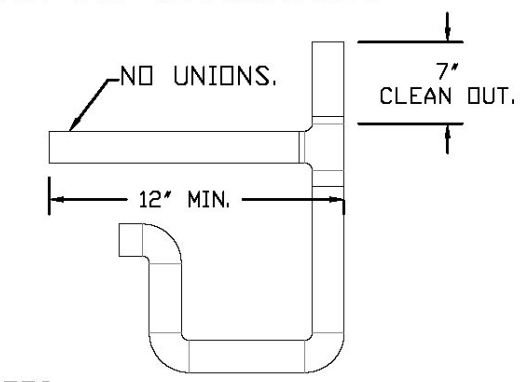
NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" X 20".

SUPPLY SIDE HEATER INFORMATION
 WINTER TEMPERATURE = 23°F. TEMP. RISE = 52°F.
 BTUs CALCULATED OFF ACTUAL AIR DENSITY.
 OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 158328.
 INPUT BTUs AT ALTITUDE OF 0.0 FT. = 172096.
 OUTPUT BTUs AT ALTITUDE OF 1681 FT. = 148944.
 INPUT BTUs AT ALTITUDE OF 1681 FT. = 161896.

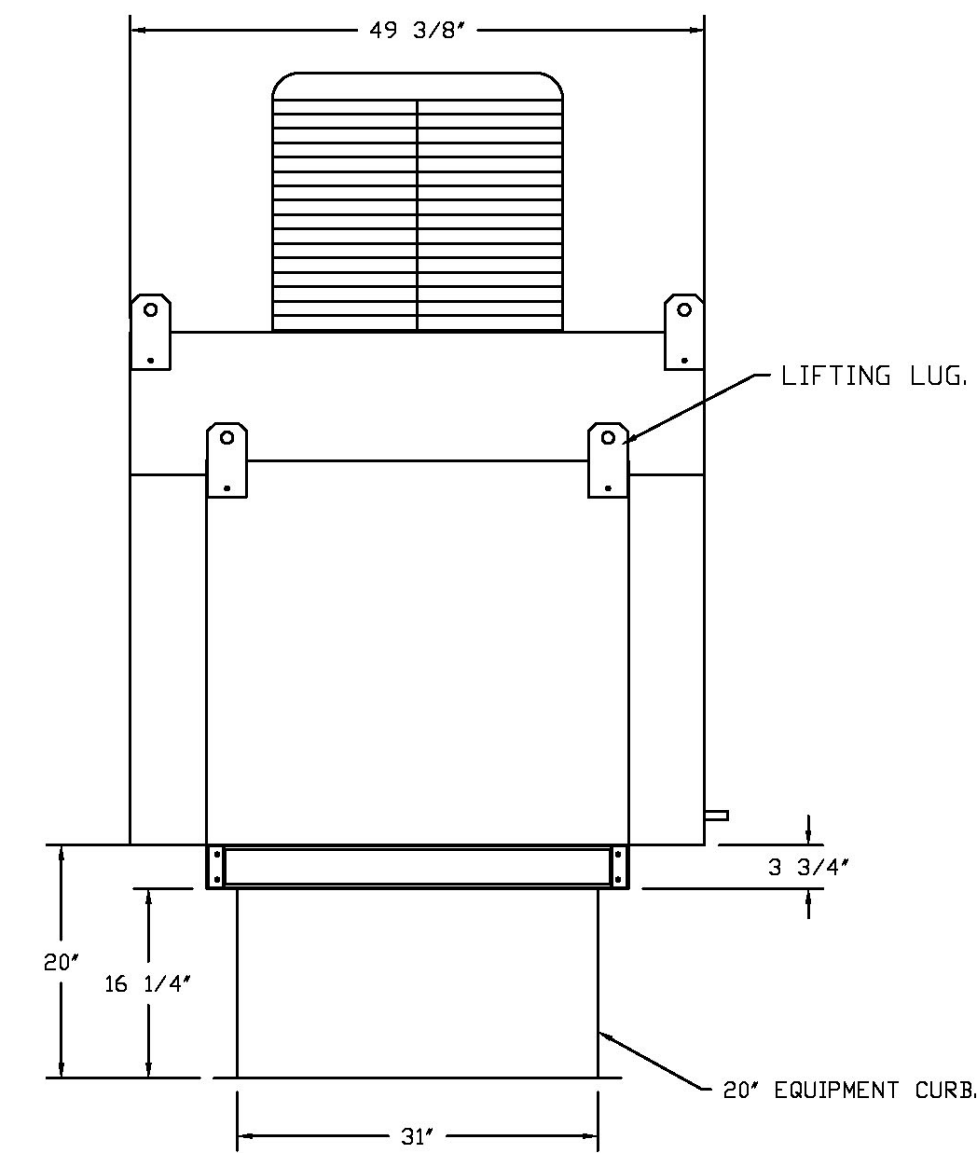
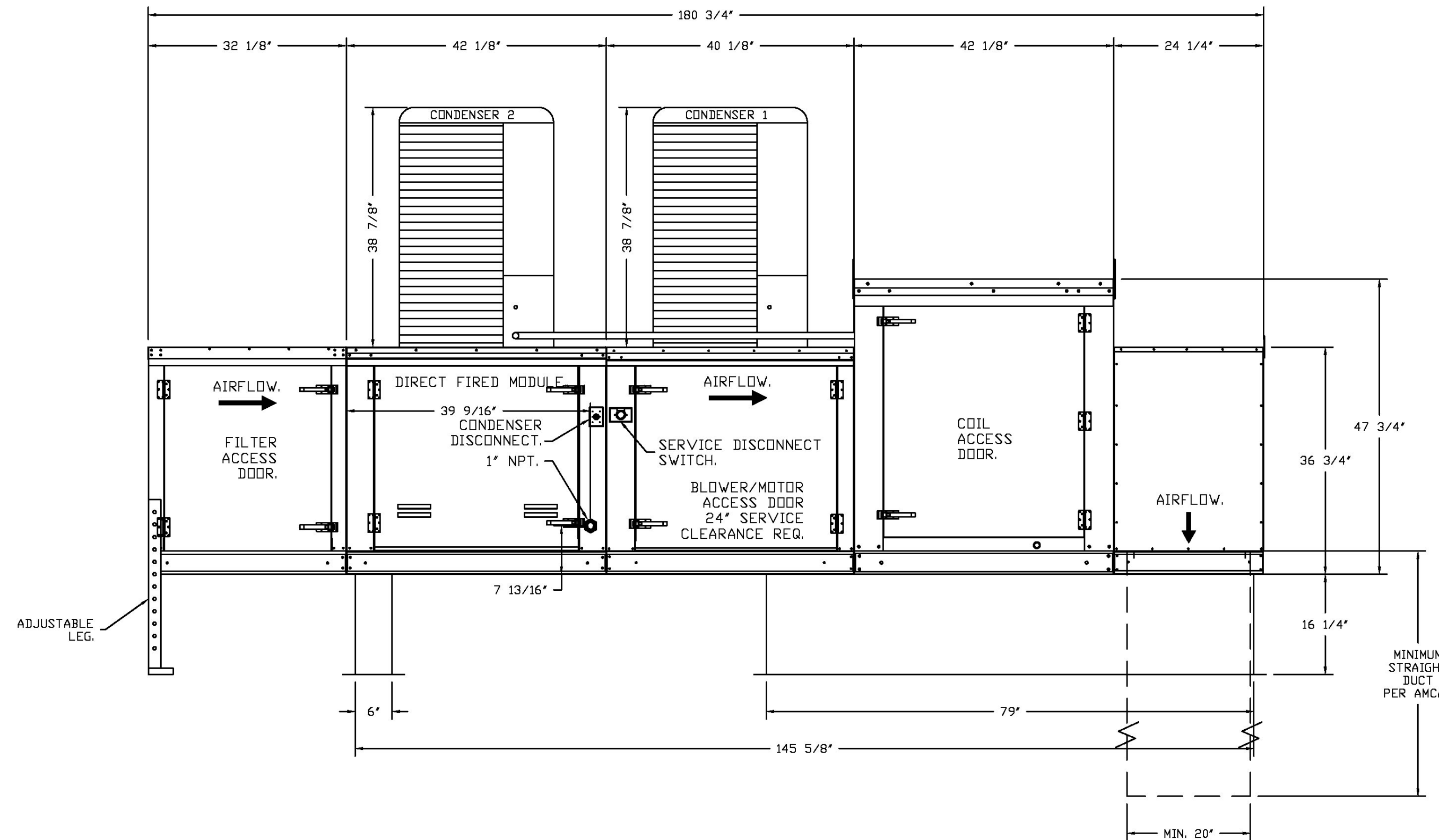
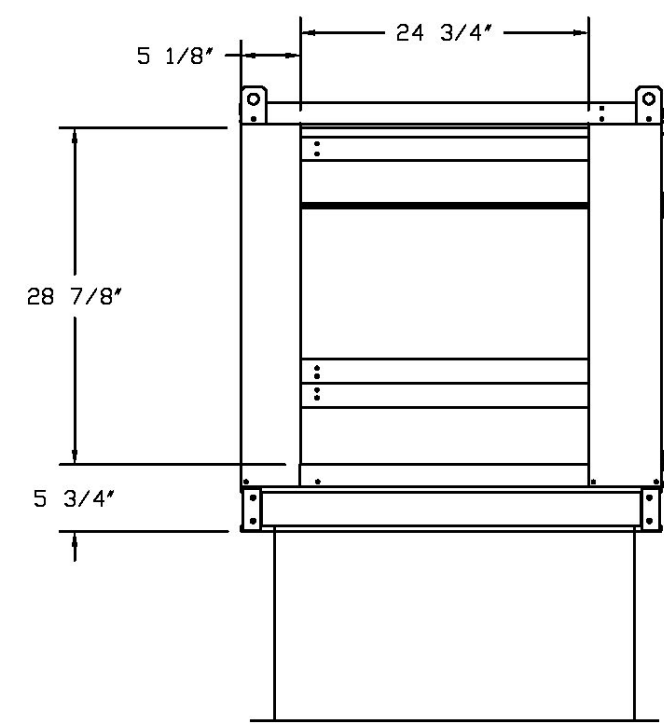
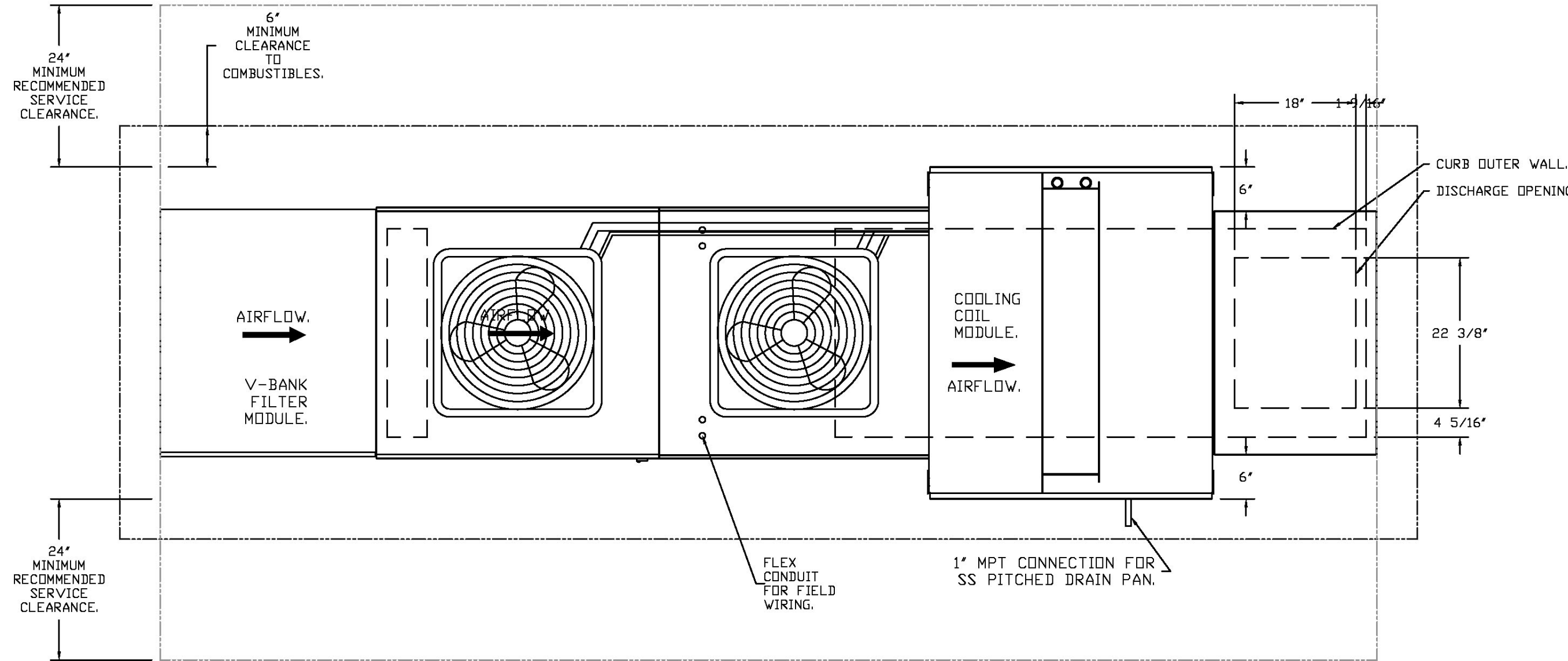
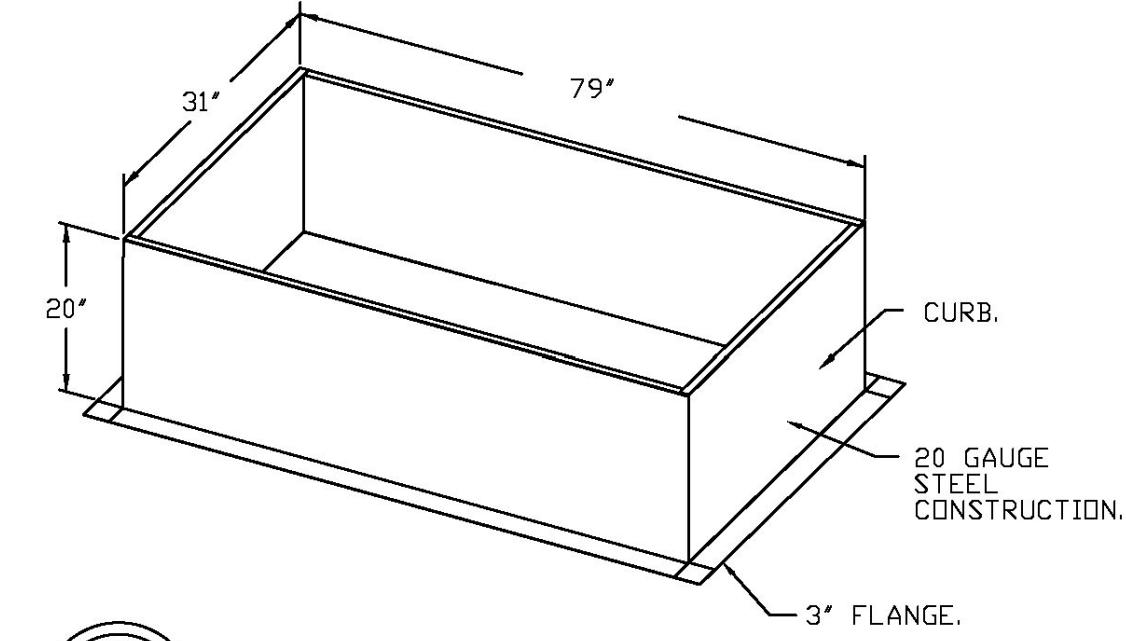
TYPICAL DRAIN TRAP INSTALL



RECOMMENDED COOLING COIL DRAIN TRAP CONFIGURATION.



- NOTES:
 1) 1" DIAMETER PVC PIPE ONLY.
 2) USE ONLY LOW PROFILE COUPLINGS.
 3) ADD CLEAN OUT AS SHOWN.



REVISIONS	
DESCRIPTION	DATE

CAPTIVE
 Dallas Office
 1901 Royal Lane Suite 101, DALLAS, TX. 75229 PHONE: (214) 220-3889 FAX: (214) 220-0089 EMAIL: reg@captiveware.com
 www.captiveware.com

ACU Lancaster
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 SCALE: 3/4" = 1'-0"
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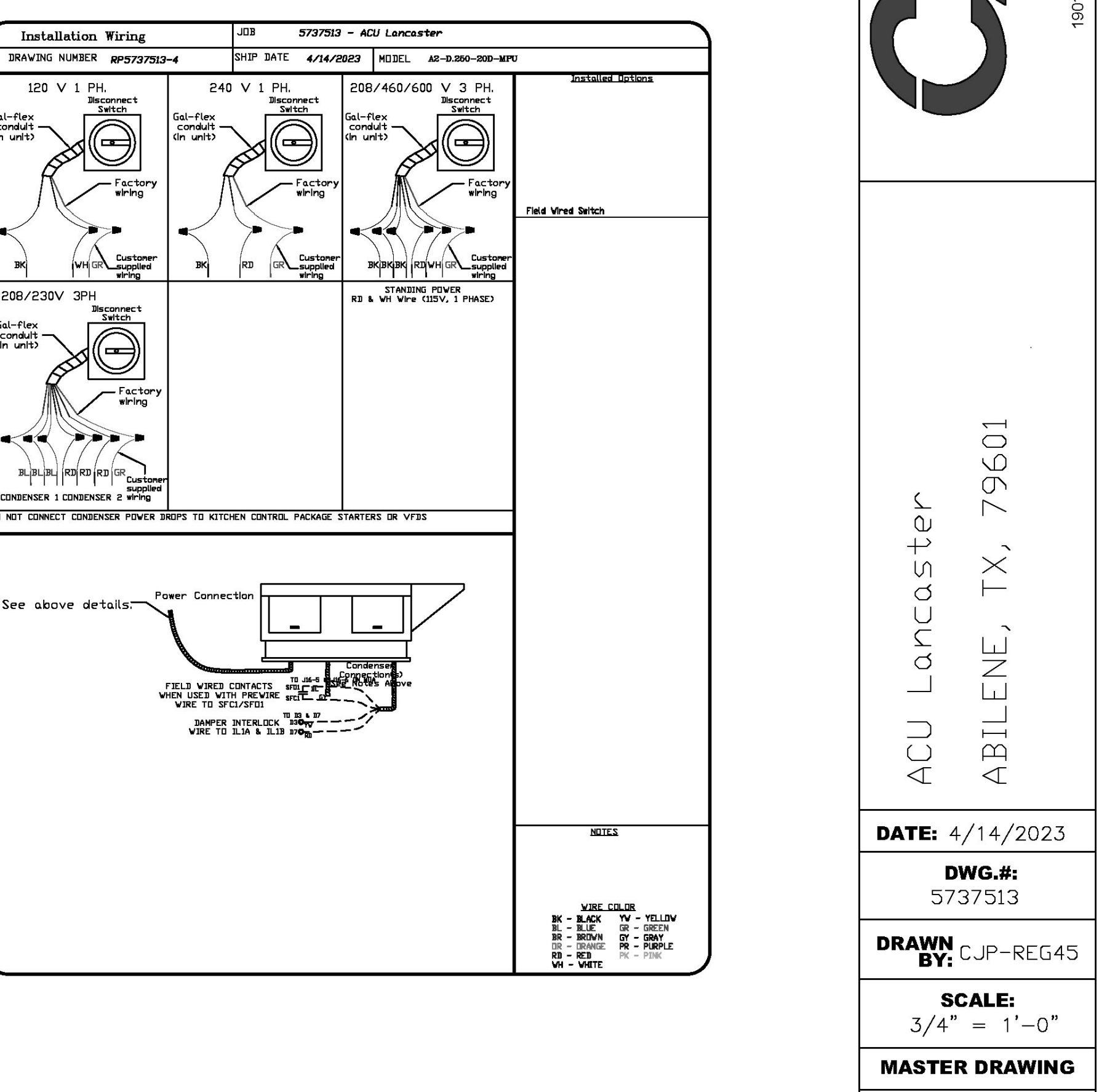
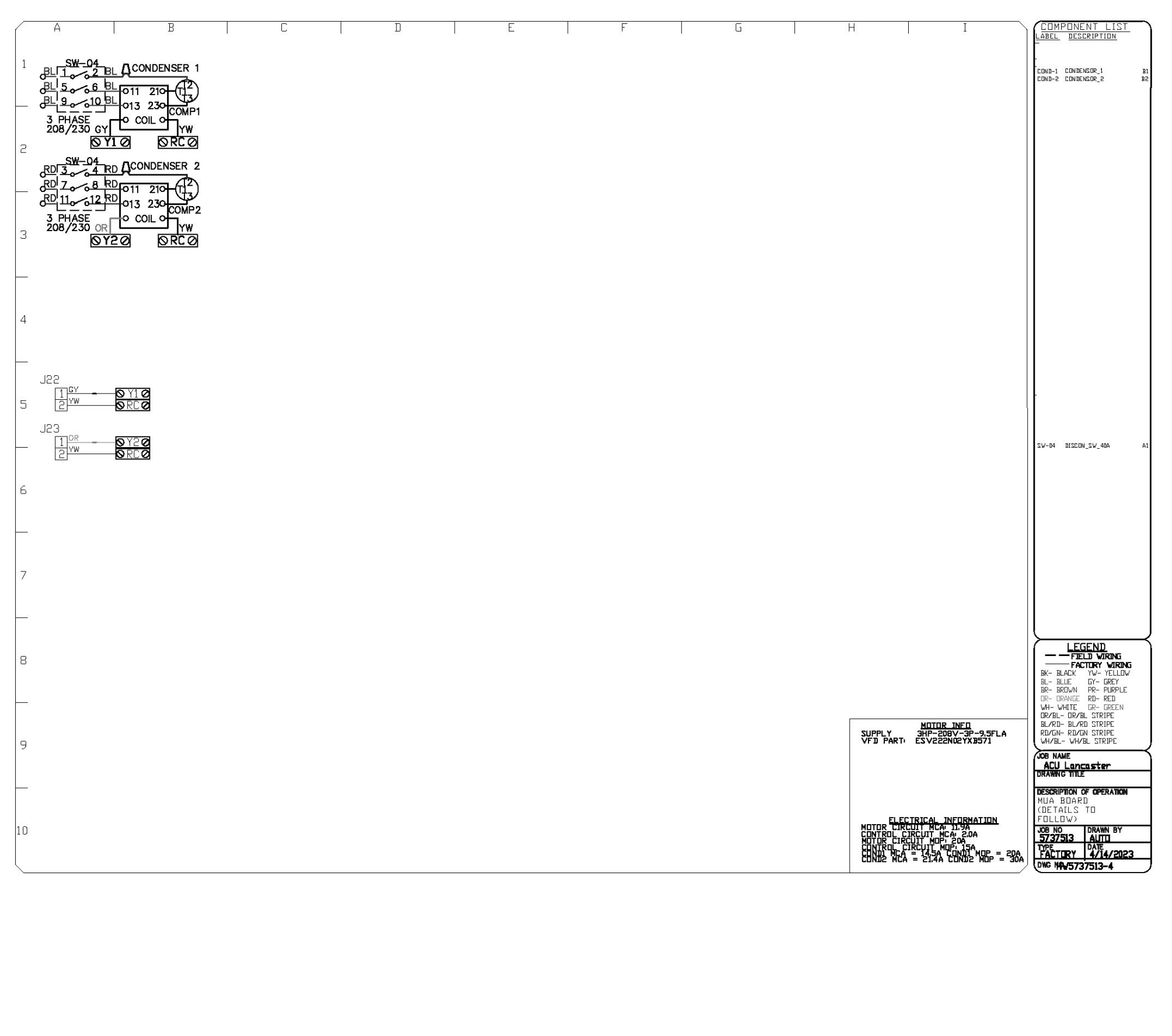
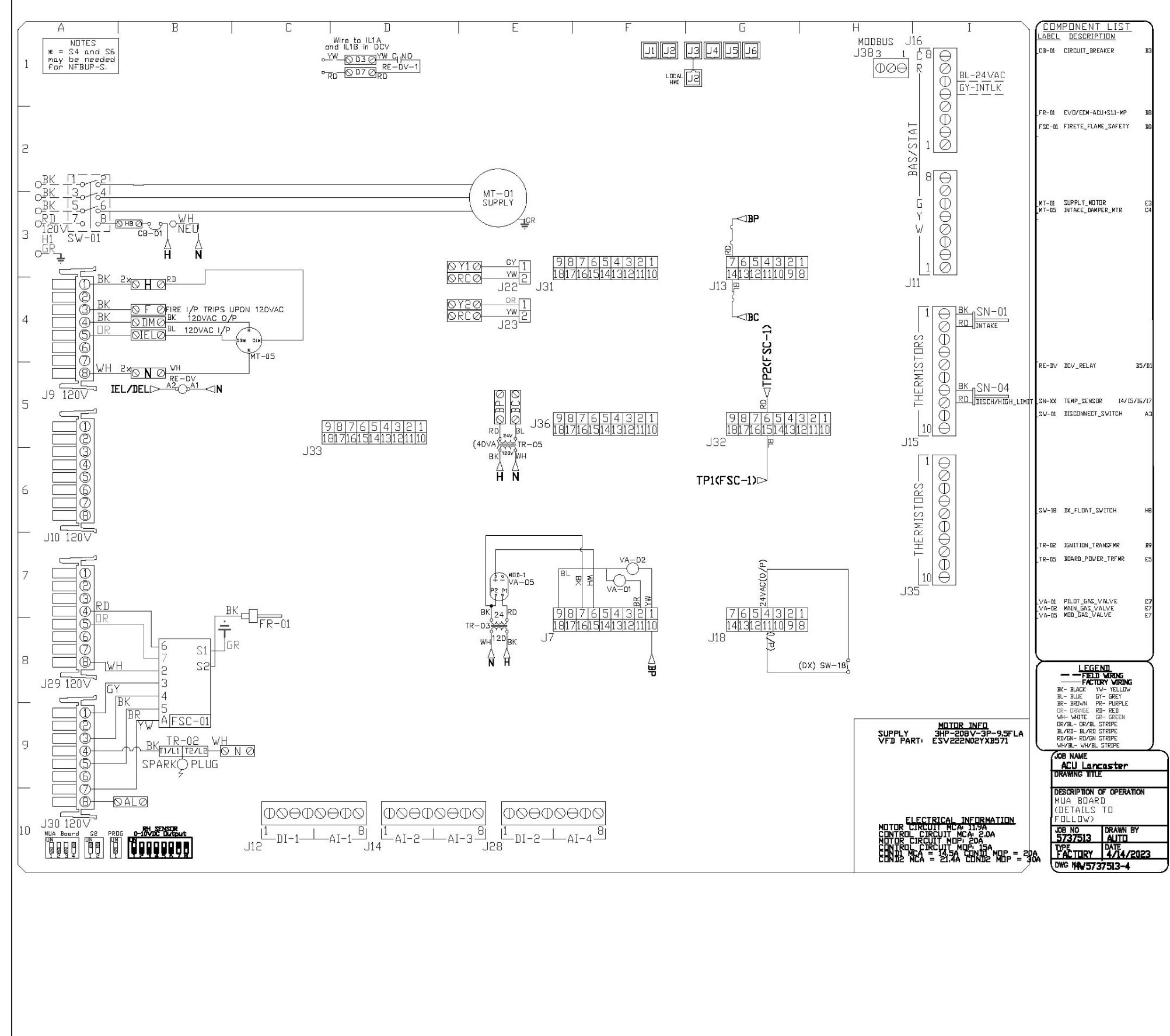
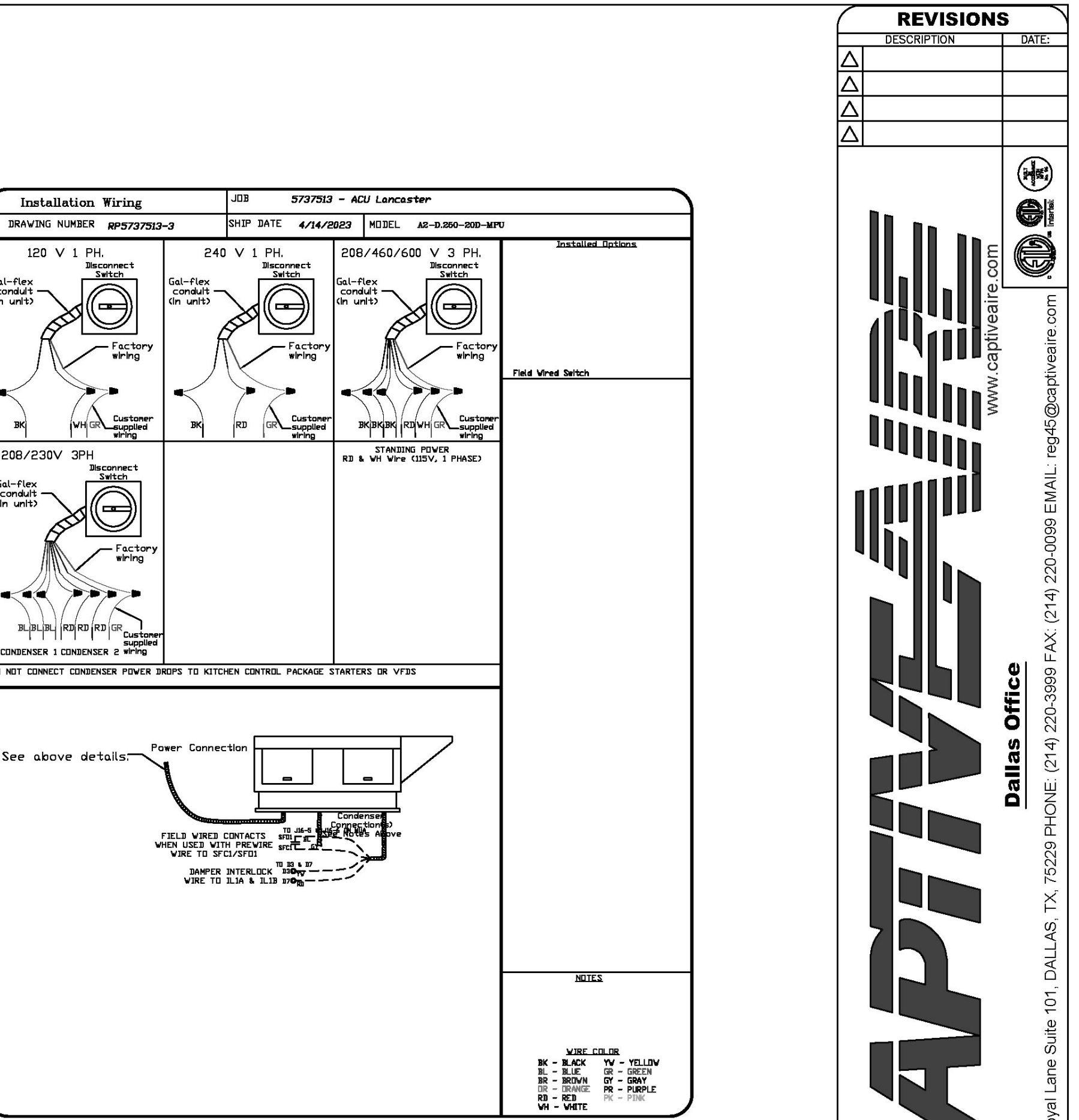
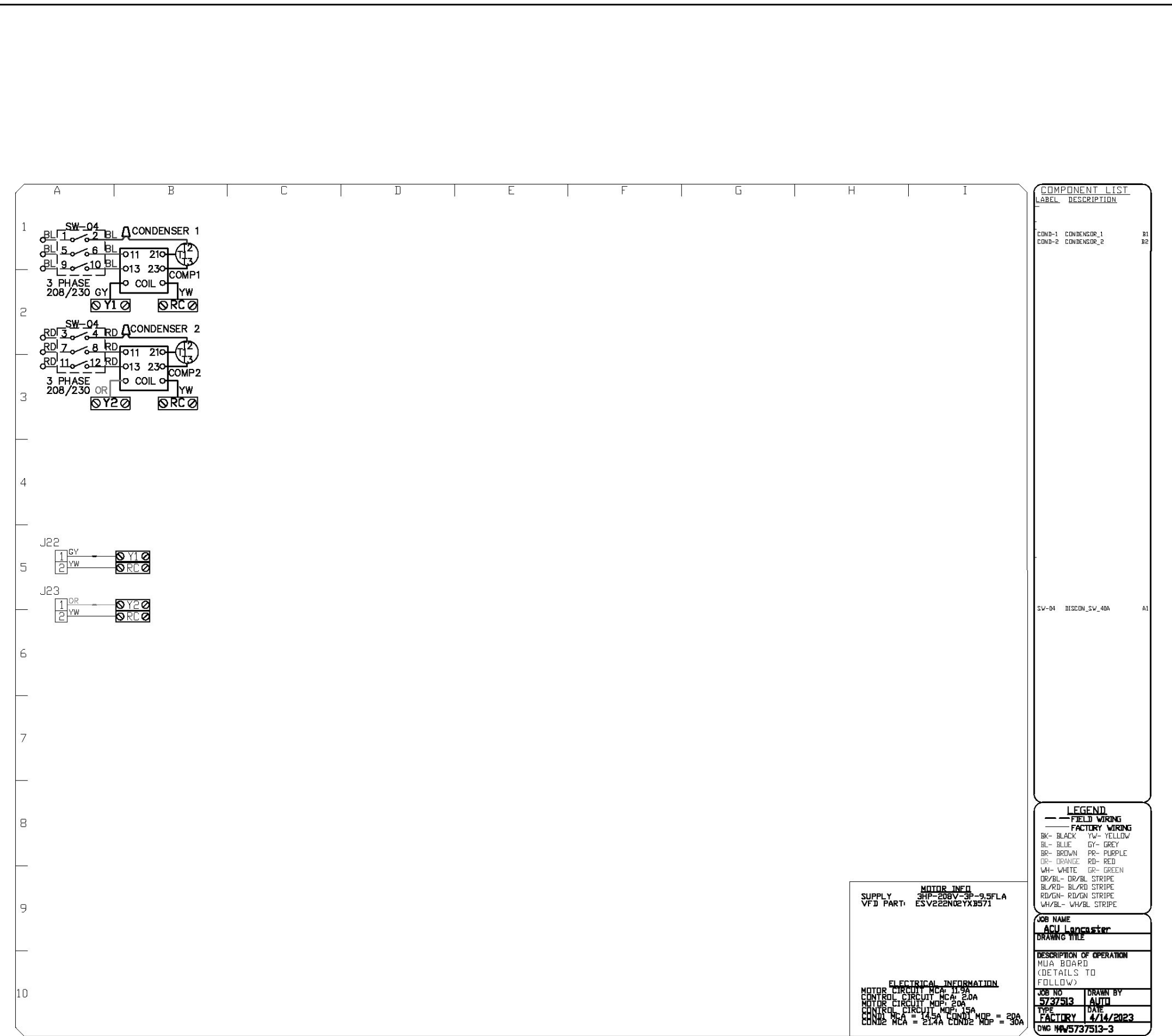
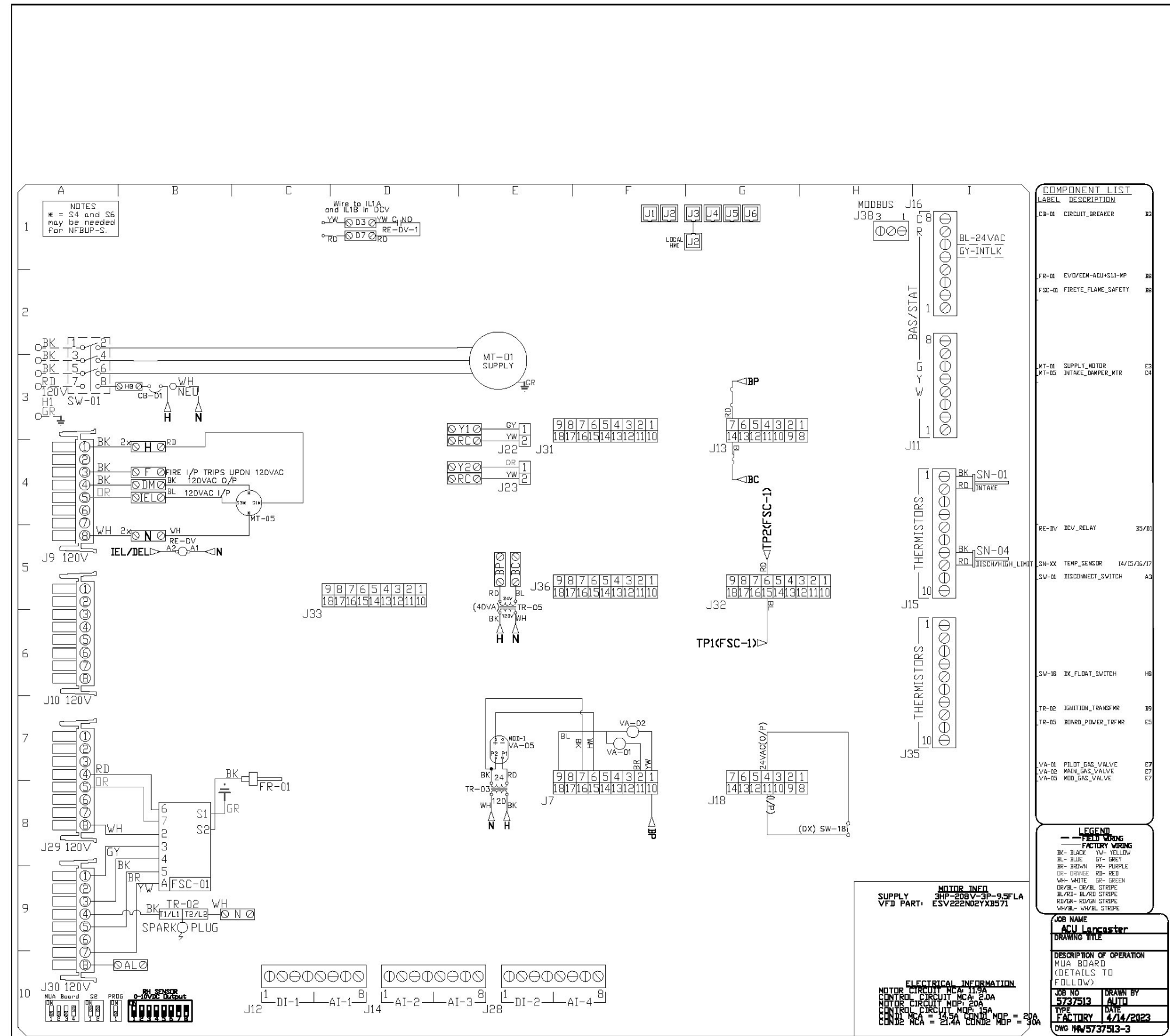
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 2801 South Valley Parkway, Ste. 200
 Lewisville, TX 75067
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 Exhaust Hood Drawings

Project number Date 04/17/2023

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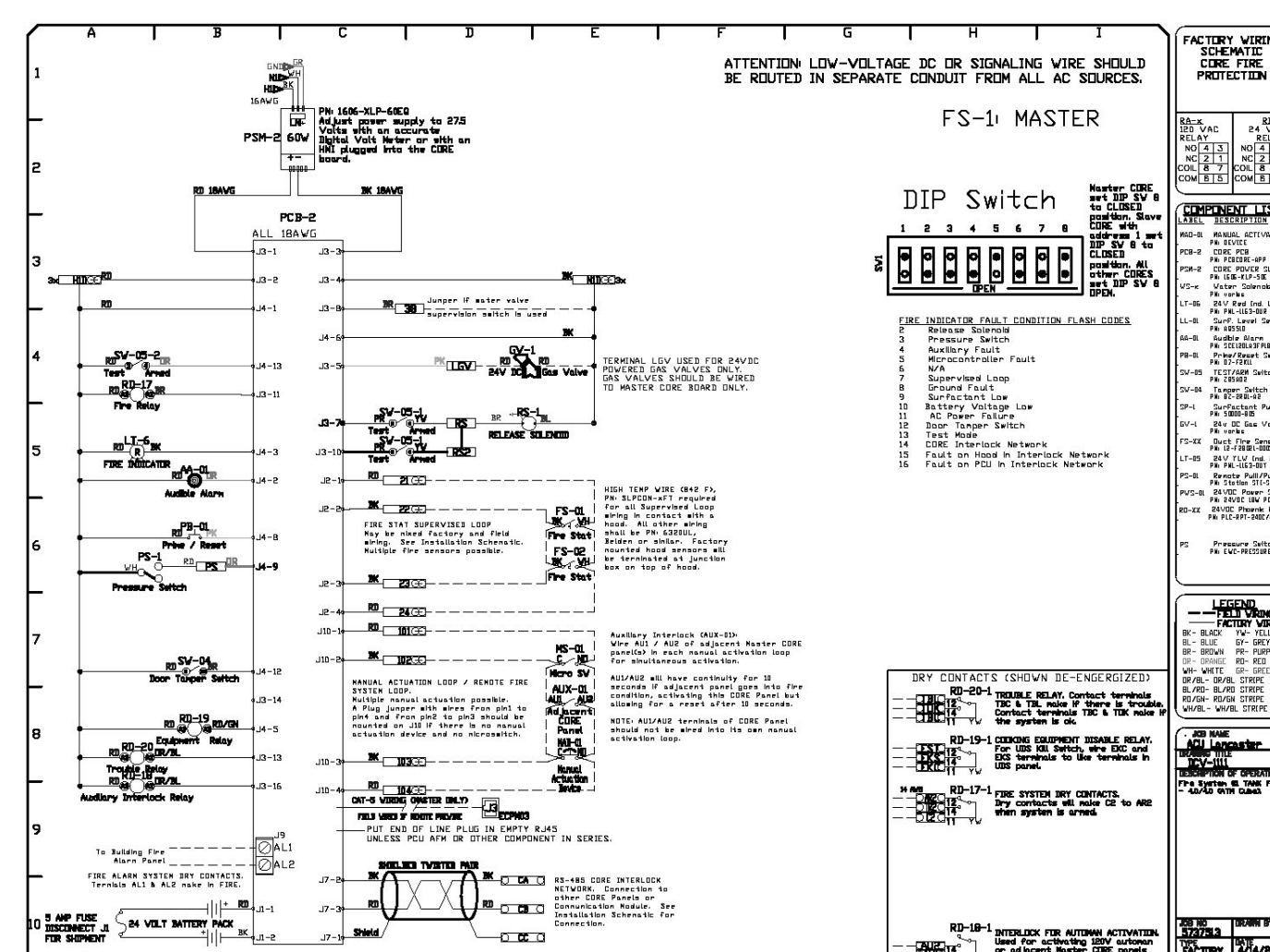
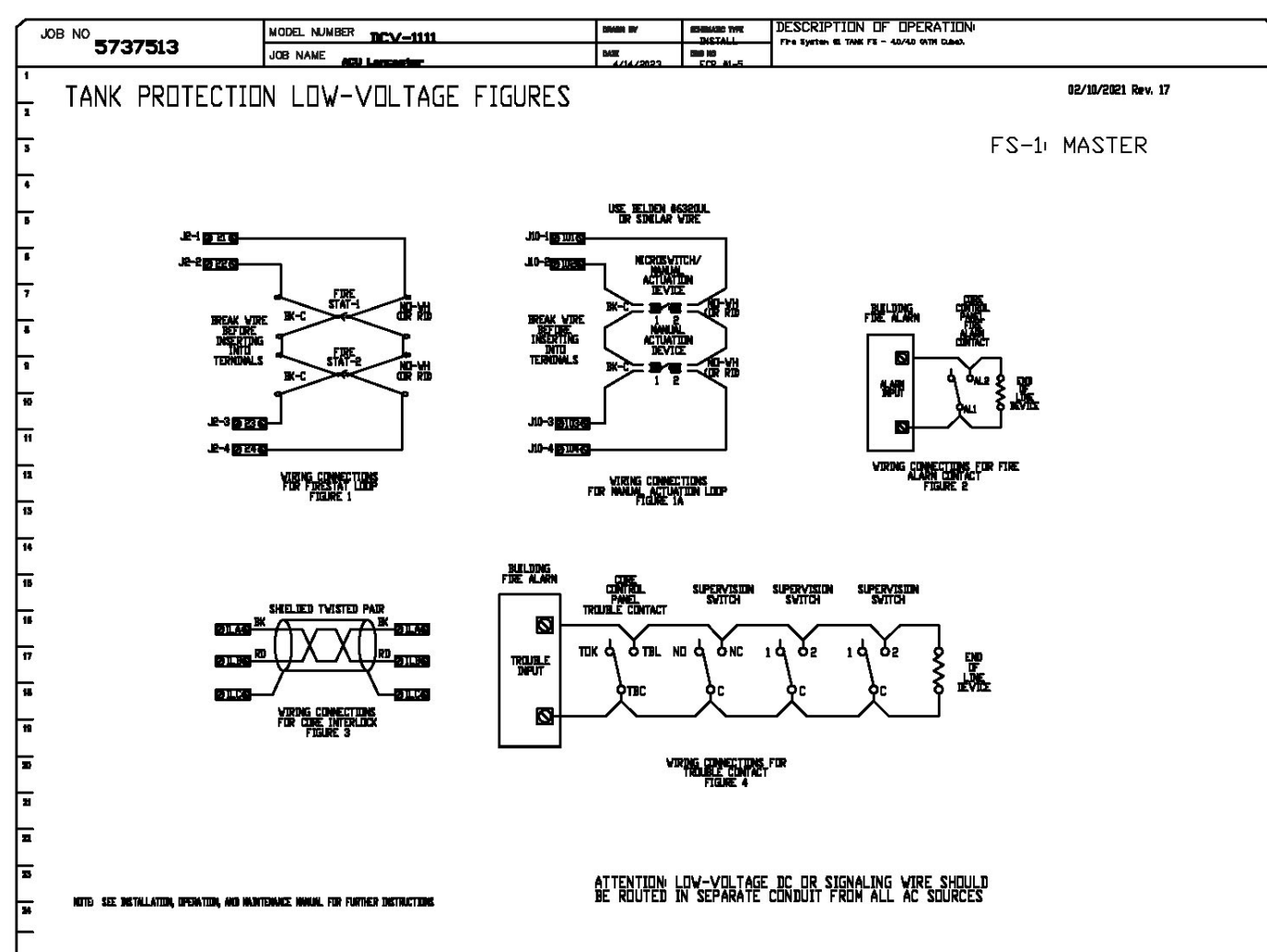
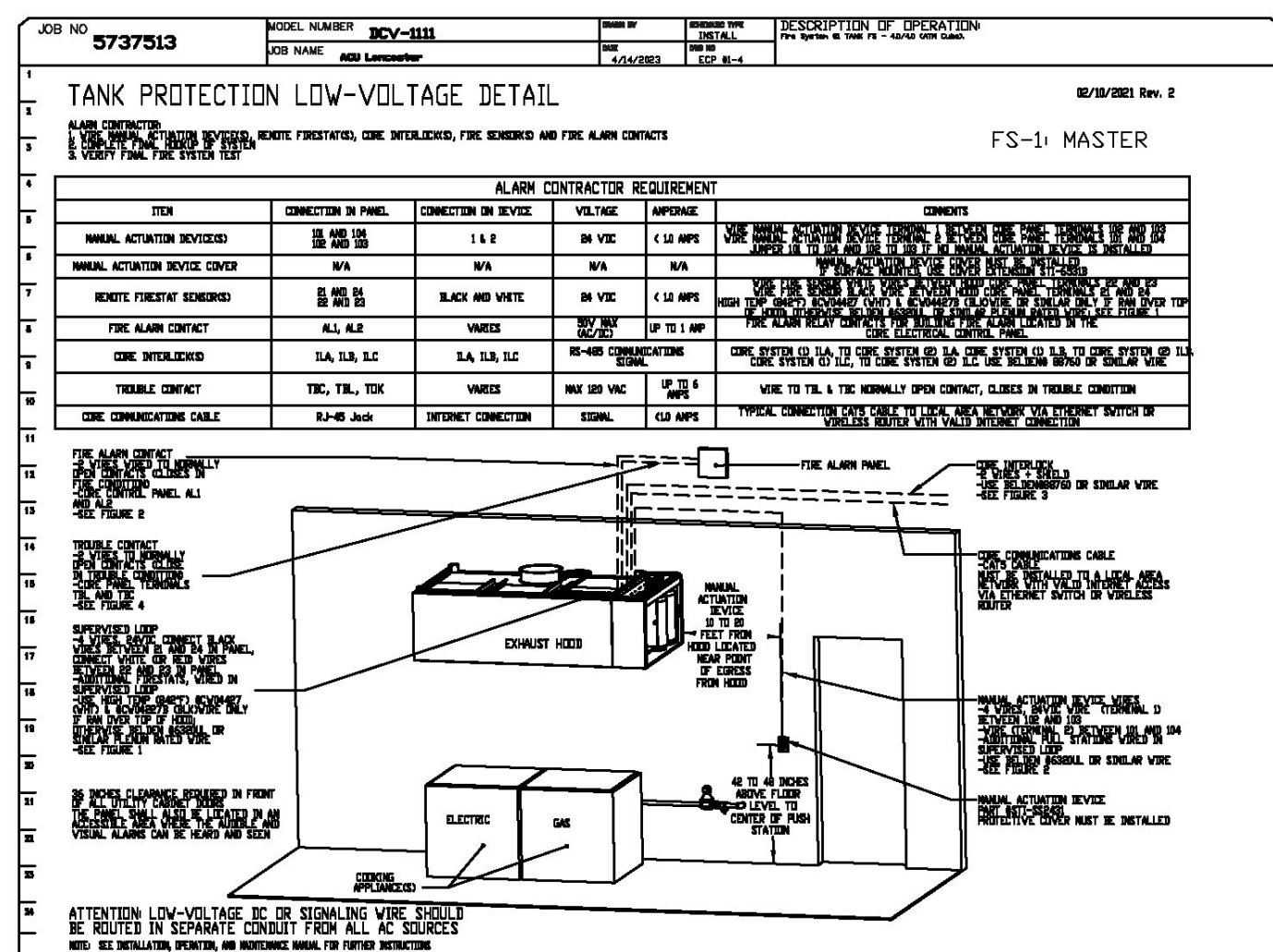
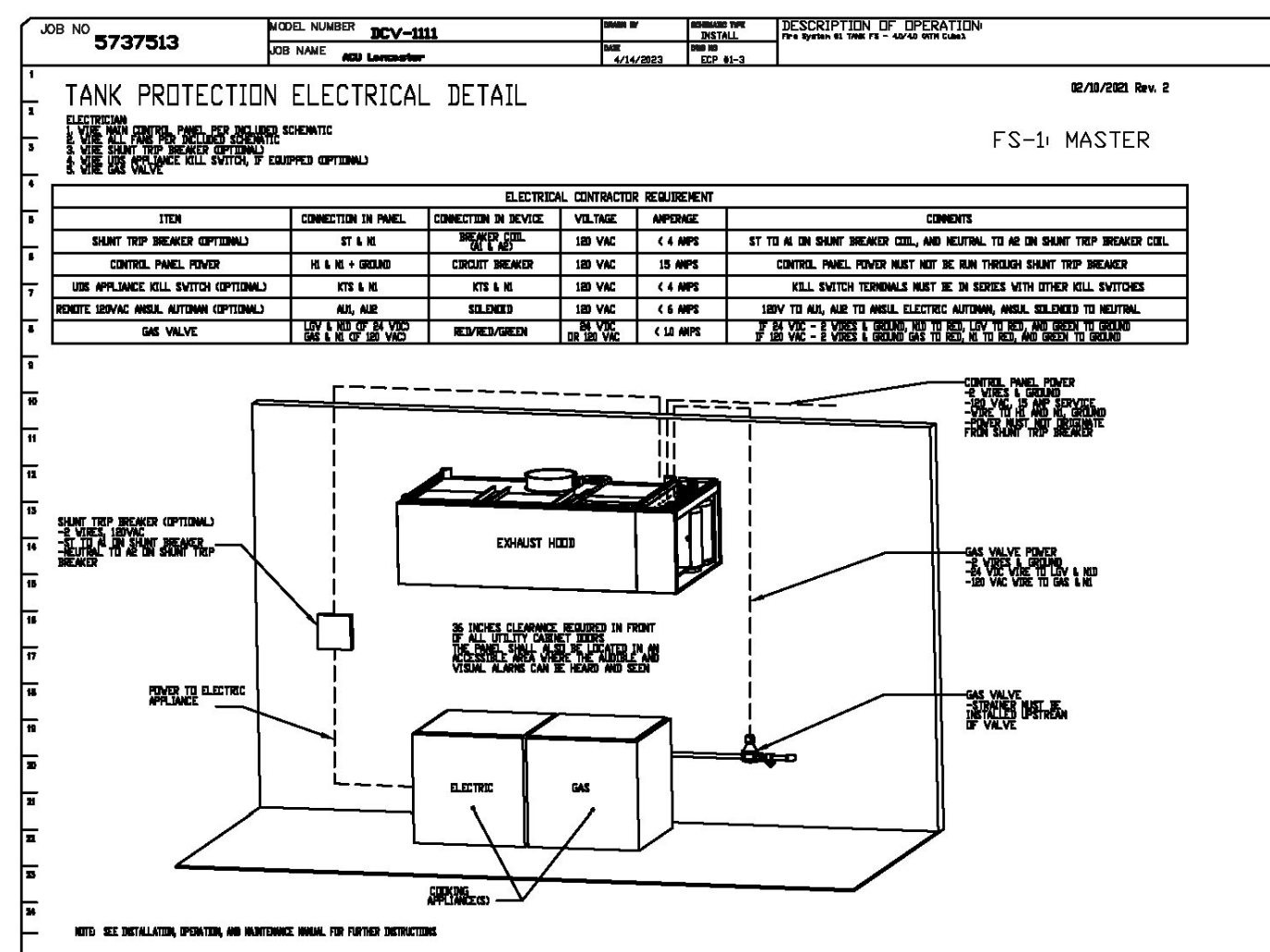
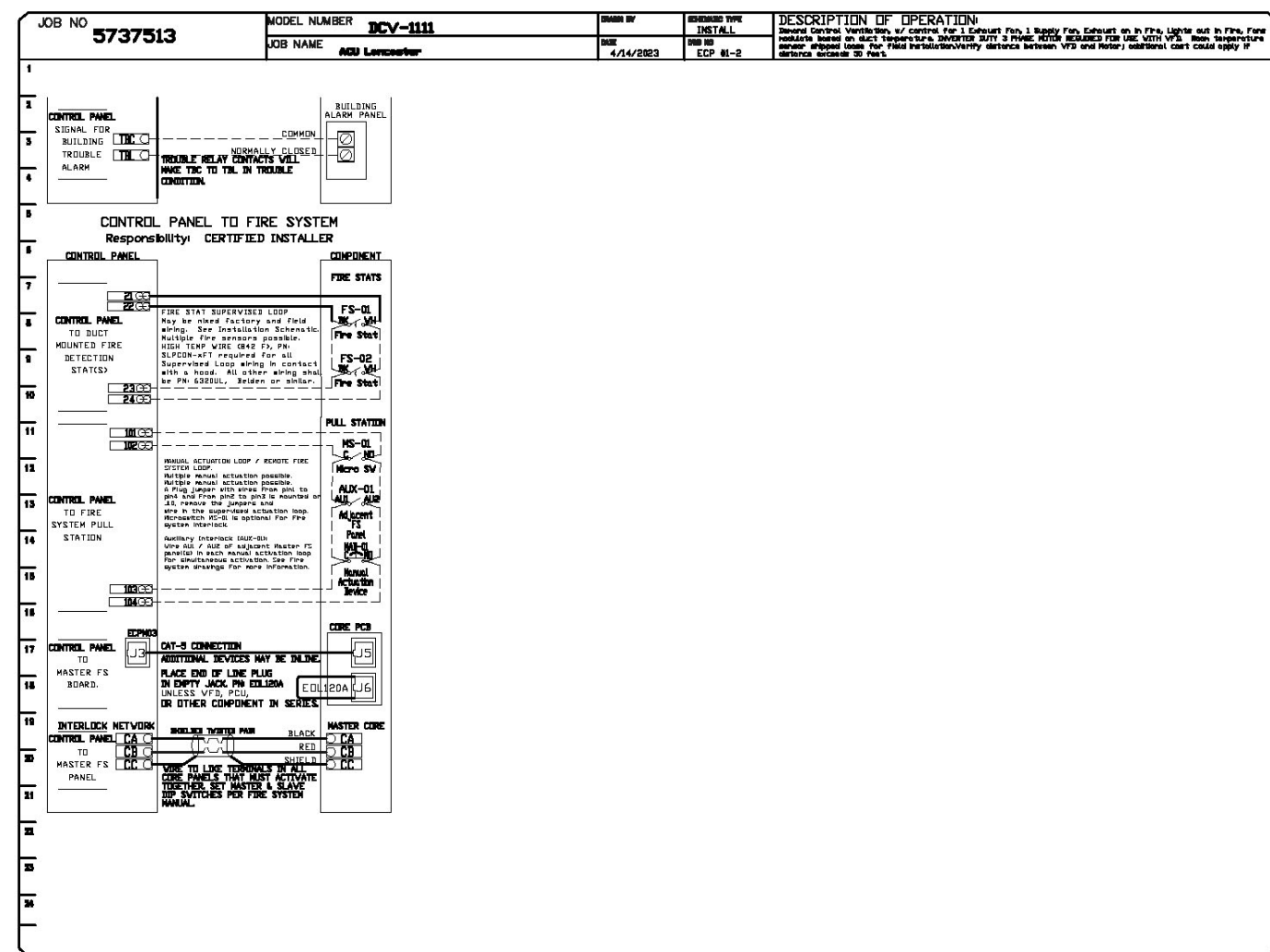
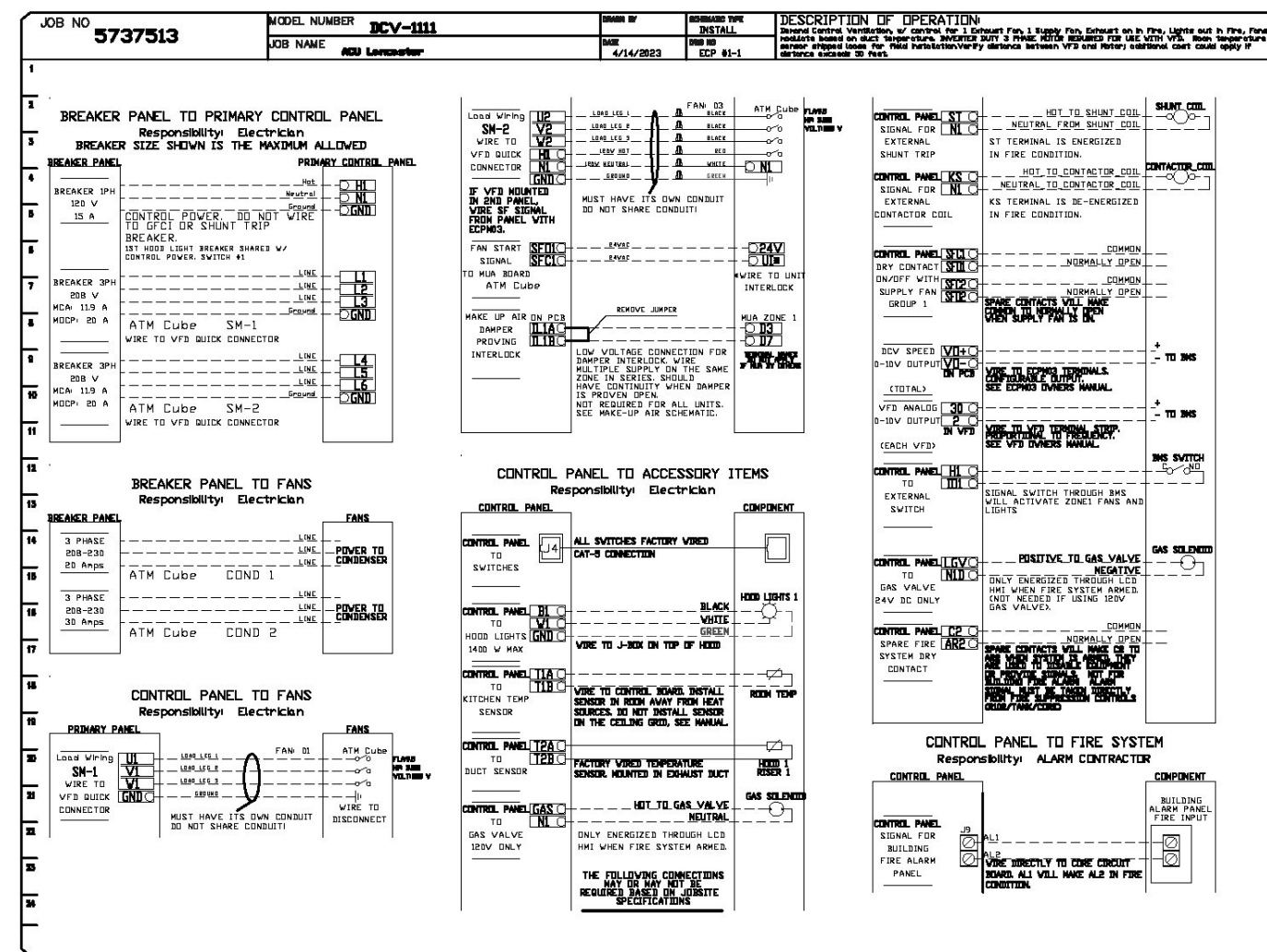
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Project number Date **04/17/2023**

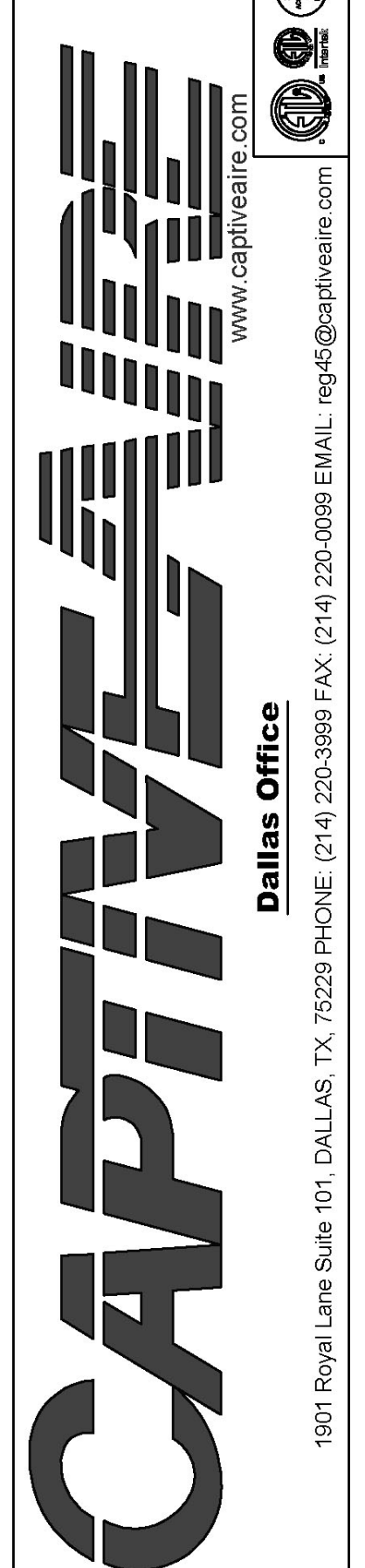
K7.6
 Scale

4/17/2023 9:21:52 AM

ELECTRICAL PACKAGE - JOB#5737513						
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1	ATM CABIN	BCV-3111	UTILITY CABINET RIGHT	UTILITY CONNECTION HEAD # 1	1 LIGHT	SMART CONTROLS DCV
2	RR CABIN	BCV-3111	UTILITY CABINET RIGHT	UTILITY CONNECTION HEAD # 2	1 FAN	SMART CONTROLS DCV



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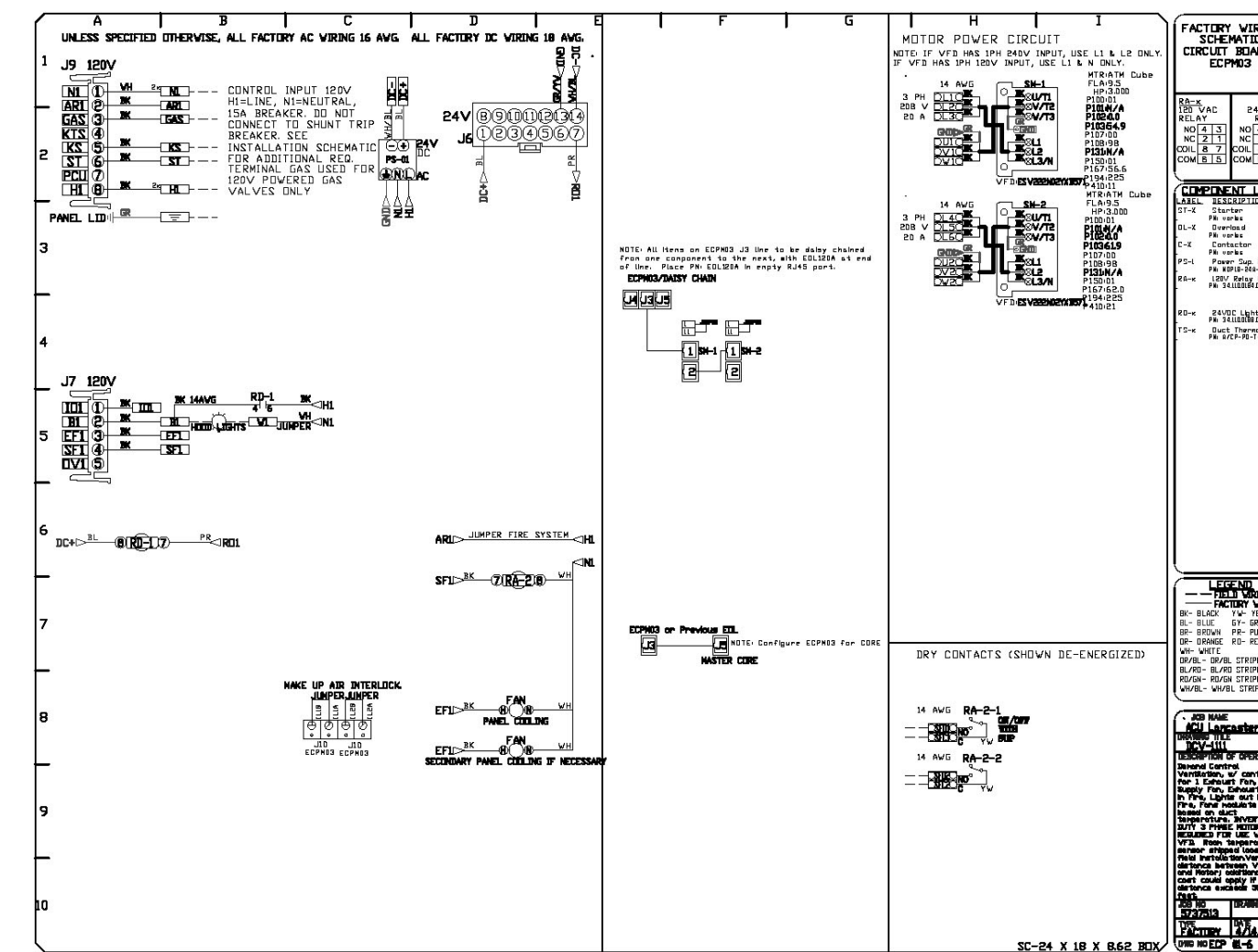
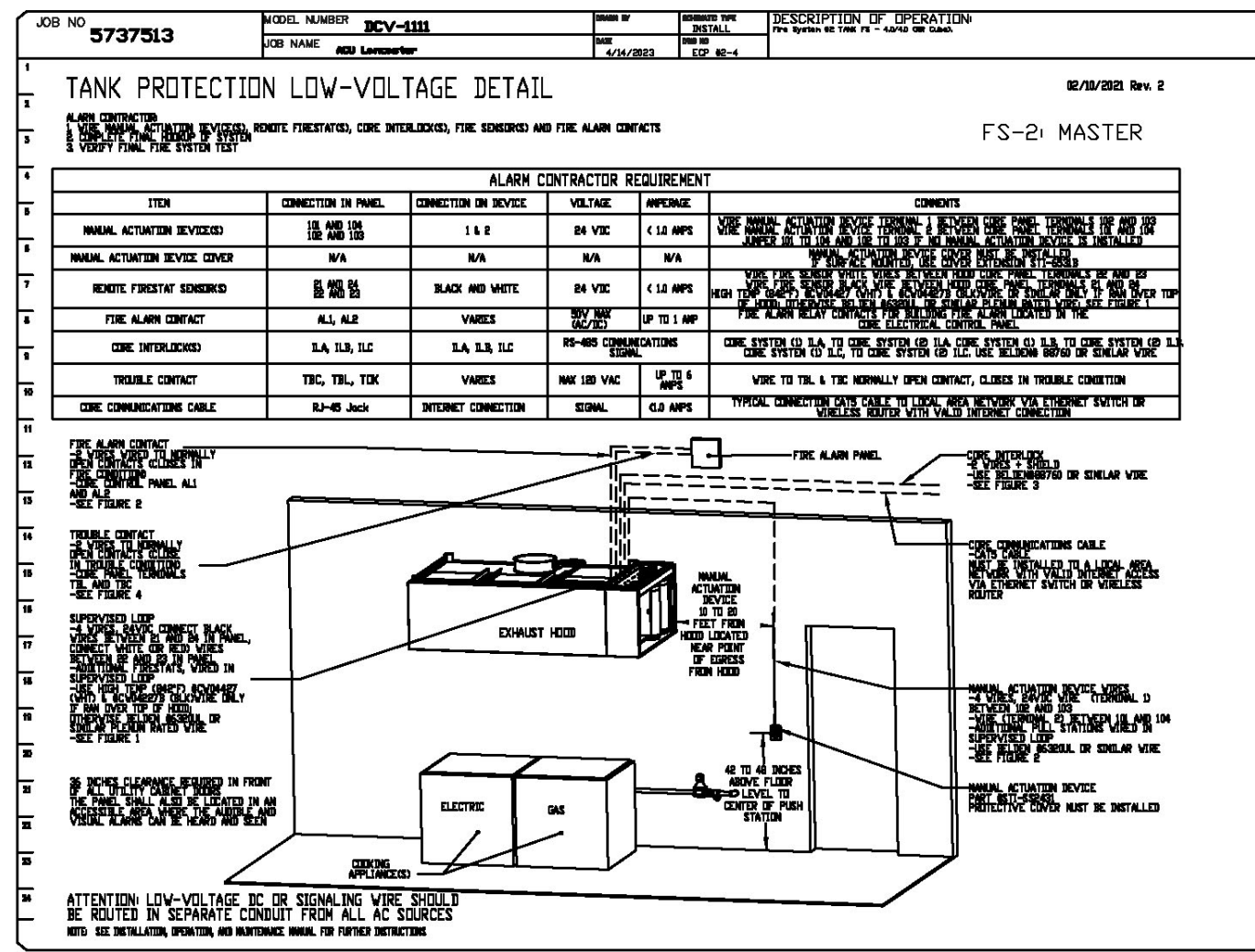
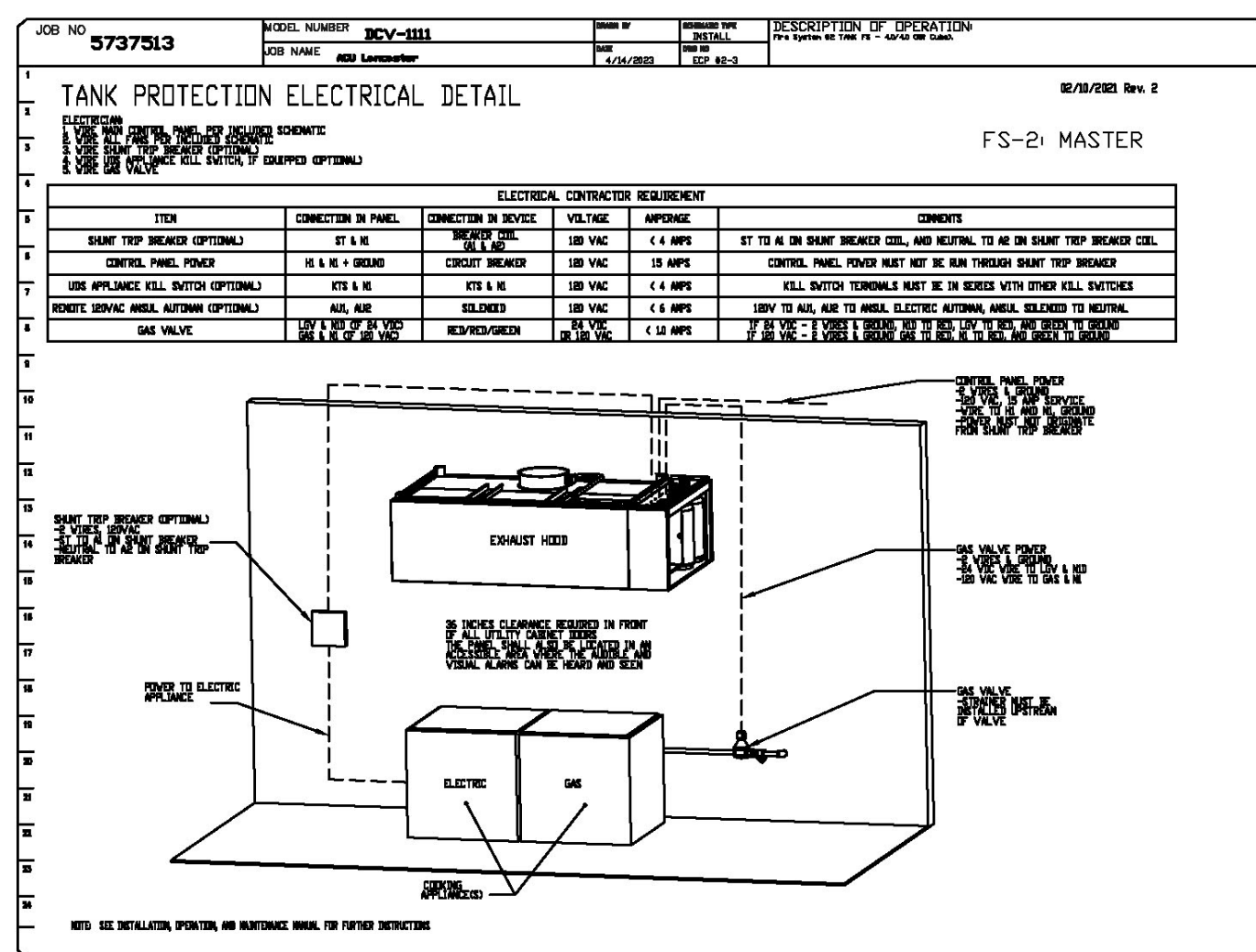
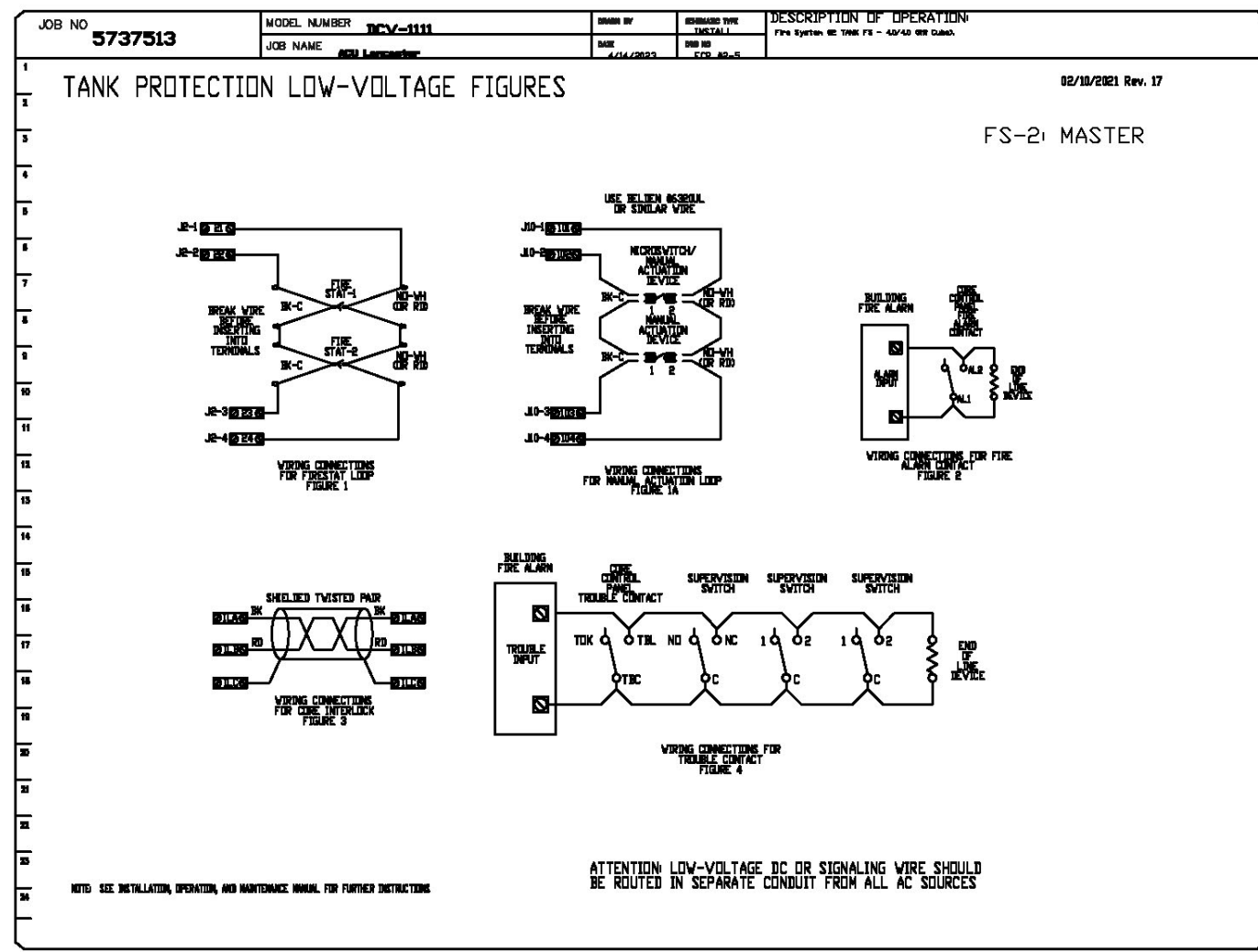
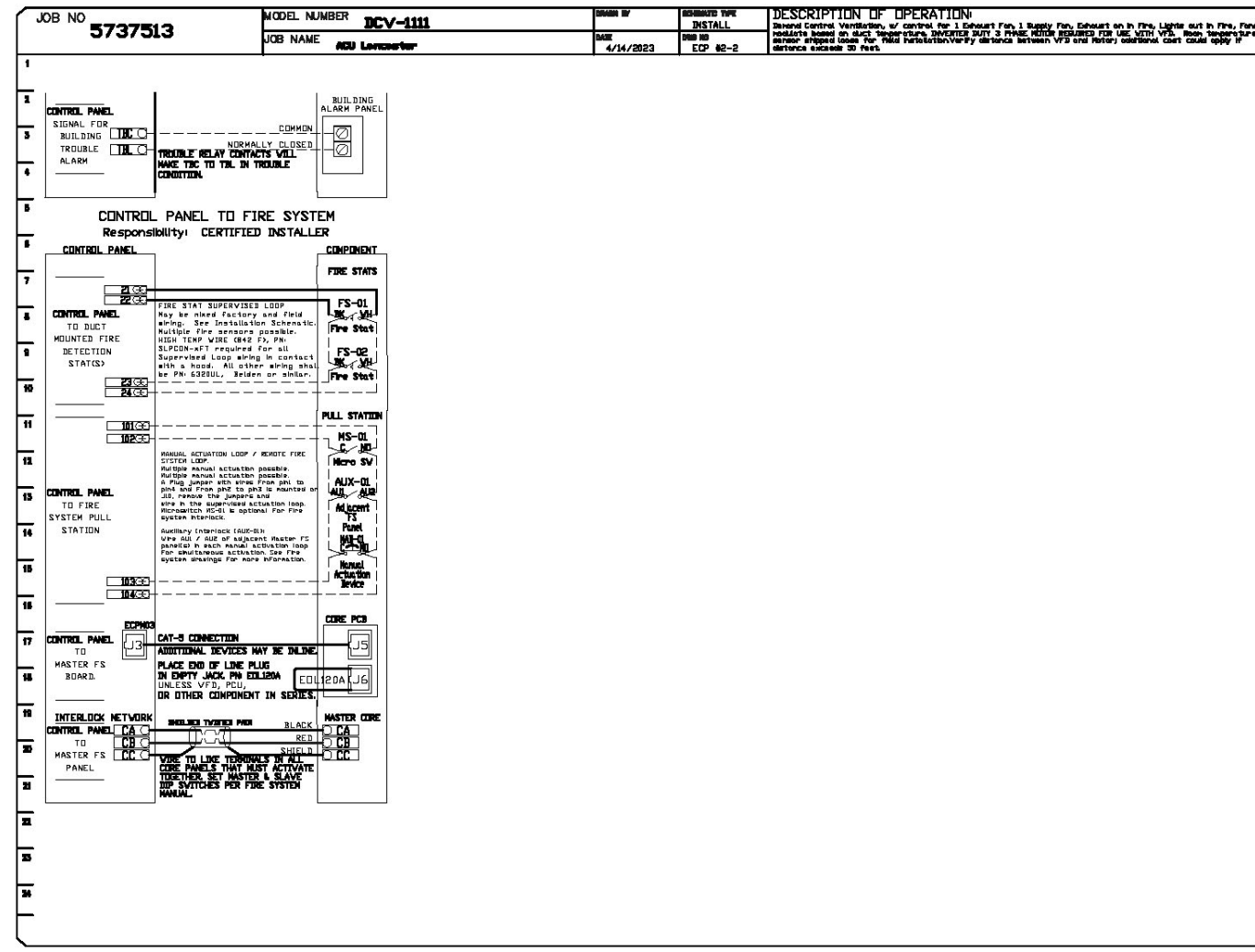
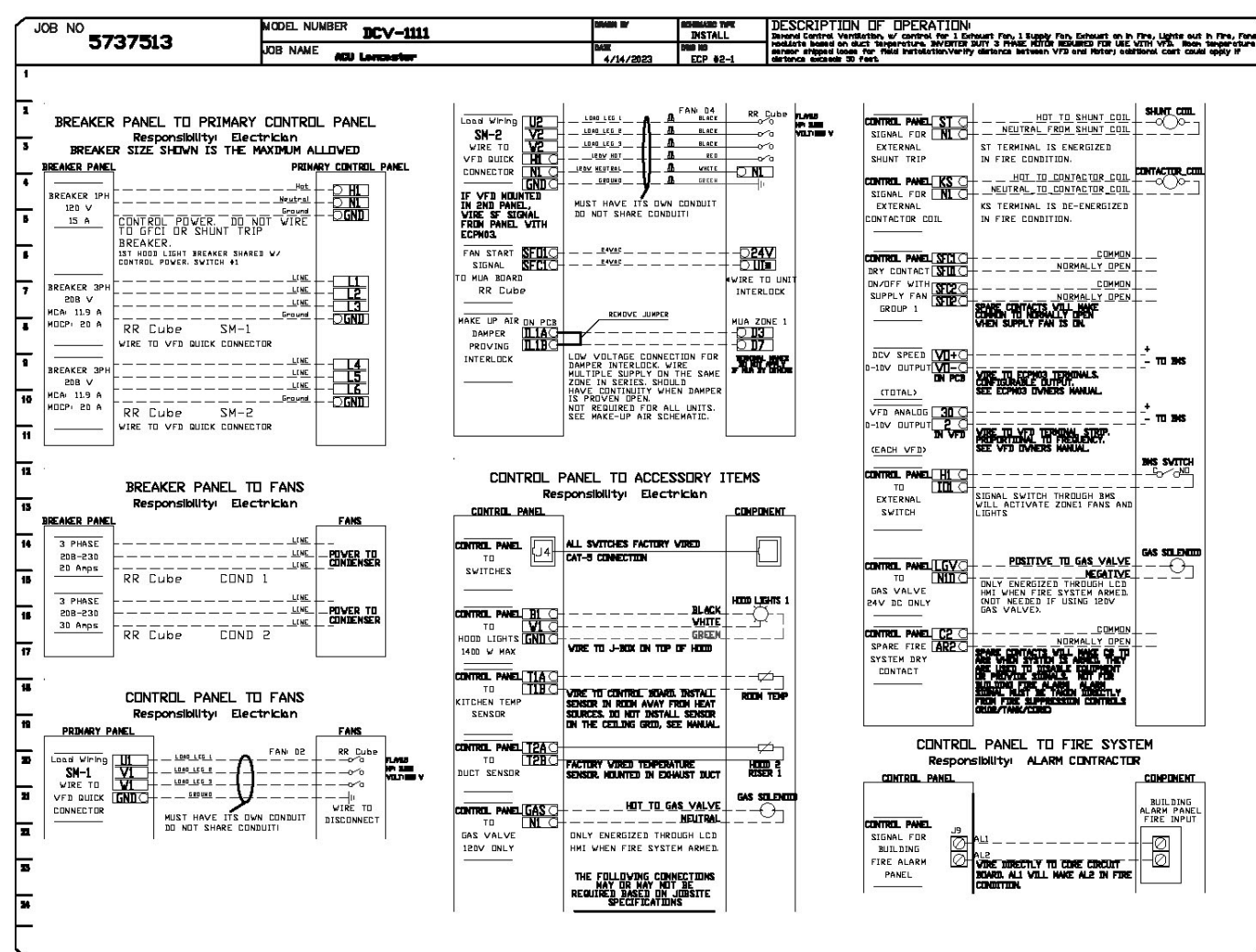
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Foodservice Equipment, Supplies and Design
2801 South Valley Parkway, Ste. 200
Lewisville, TX 75067
Phone (972) 922-7338
Email tphillips@isi-texas.com

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CAPTIVE
 Dallas Office
 www.captiveaire.com
 1901 Royal Lane Suite 101, DALLAS, TX. 75229 PHONE: (214) 220-3889 FAX: (214) 220-0089 EMAIL: reg-h@captivate.com

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 Lewisville, TX 75067
 Phone (972) 922-7338
 Email tphilips@isi-texas.com

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