

KITCHEN EQUIPMENT FLOOR PLAN SCALE: 1/4"=1'-0"

Checked by: 2/27/2024

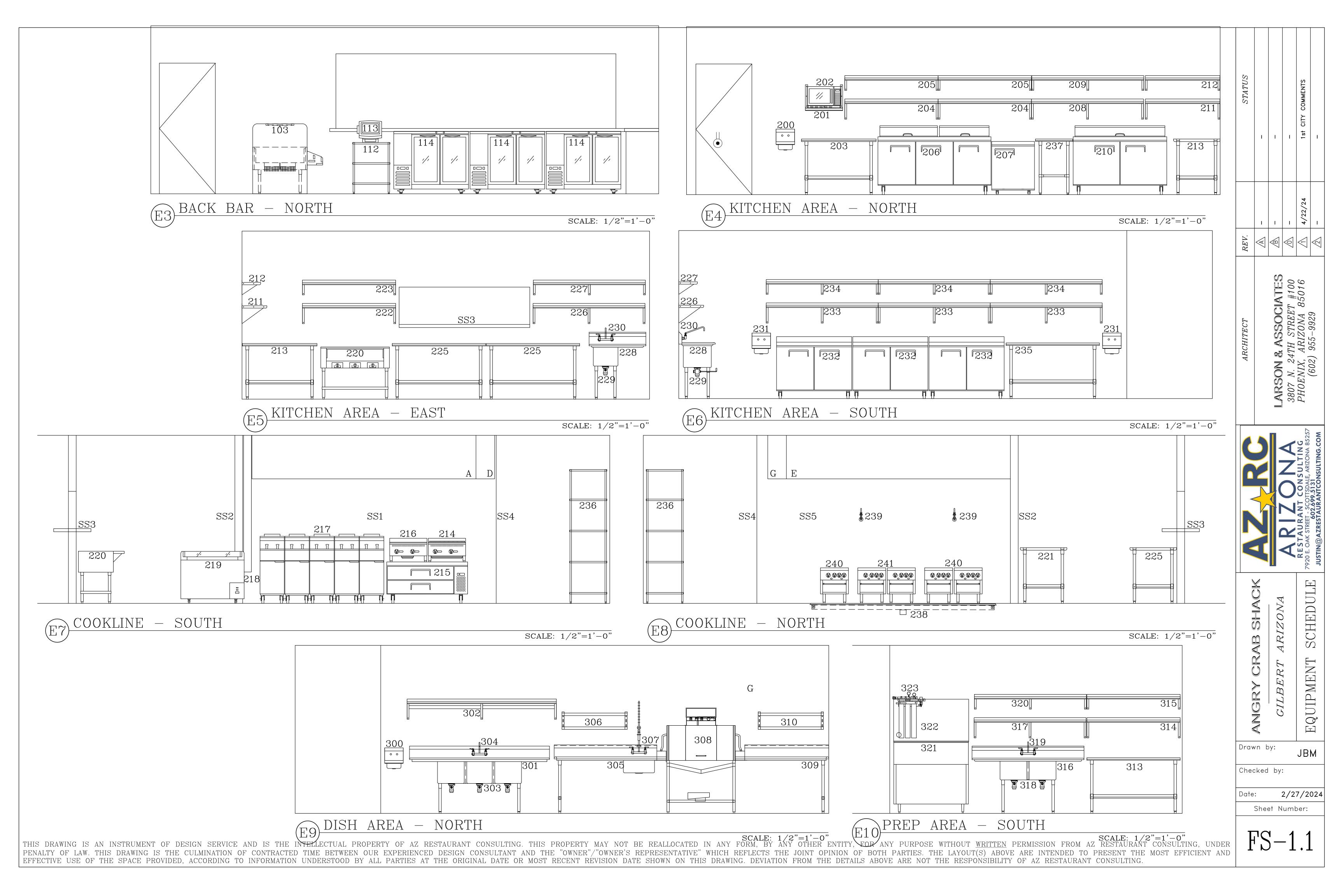
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EQUIPMENT

FOODSERVICE

Sheet Number:

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



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	Mode,	Descrit.	Edita.	Haid Cold Althur Acht	Sp. Shaze Wilds	HP the	the the things of the things o	<u> </u>	A A COURT IN A LOT ROLL IN THE COST COST COST COST COST COST COST COST	
X 100 1 John Boos X 101 1 By Vendor	PBHS-W-0909-P-SSLR-X POSSYSTEM	Hand Sink w/ L&R Side Splashes POS System	Mount @ 34" AFF to Top of Sink	X 5-15P 115	1 8	24"	1/2"	21"	1/2" 21" 1 1/2" 18"	
(102 2 John Boos (103 1 Krowne	EWS8-1248-X KRPT-42LP-10	Wall Shelf, 12"x48" Pass-Thru Cocktail Station w/ Hand Sinks	Mount @ 60" & 74" AFF to Shelf	X 5-15P 115	1 15	18"	1/2"	18"	1/2" 18" 1 1/2"	PVC to Floor Sink
X 104 2 By Vendor 105 1 Atosa USA, Inc.	SODAGUN MBC24GR	Soda Gun Glass Chiller		X 5-15P 115	1 2.3 1/	7 24"			1"	Hose to PVC to Floor Sink
106 1 Micro Matic 107 1 John Boos	METRO-H-12PSSKR ST6R1.5-2448GBK-X	Draft Beer Tower, Ceiling Mount Work Table, 24"x48"	Mount @ 4'10" AFF to Center of Taps Cut Legs down 6" for 30" Work Height				1/2"	30"	1"	Glass Rinser in Drip Tray
108 1 Krowne 109 1 Krowne	KR24-24RD KR24-GSB1	Bottle Storage Unit Glass Rack								
110 1 Krowne 111 1 Krowne	KR24-53C KR24-1C	Underbar 3 Comp Sink DUMP Sink	w/ L&R Splash Guards						1/2" 15" 1 1/2"	PVC to Floor Sink PVC to Floor Sink
112 1 Quantum	_SS	Solid Shelving Unit	See Written Specs for Configuration	V 5 15D 115	1 0	2.4"	1/2	13	1/2 13 11/2	TVC to Hoof Sink
X 113 1 By Vendor 114 3 Atosa USA, Inc.	POSSYSTEM SBB48GGRAUS2	POS System Back Bar Cabinet, 48"	w/ Casters	X 5-15P 115 X 5-15P 115		24" 7 24"		•		
200 1 John Boos 201 1 John Boos	PBHS-W-0909-P-SSLR-X BMS2024-X	Hand Sink w/ L&R Side Splashes Microwave Shelf, 20"x24"	Mount @ 34" AFF to Top of Sink Mount @ 54" AFF to Bottom of Shelf				1/2"	21"	1/2" 21" 1 1/2" 18"	
202 1 ACP 203 1 John Boos	RCS10TS ST6R1.5-3048GBK-X	Microwave Oven Work Table, 30"x48"		X 5-15P 120	1 13	66"				
204 2 John Boos 205 2 John Boos	EWS8-1660-X EWS8-1260-X	Wall Shelf, 16"x60" Wall Shelf, 12"x60"	Mount @ 60" AFF to Shelf Mount W 75" AFF to Shelf							
206 1 Atosa USA, Inc.	MSF8304GR MGF8406GR	Sandwich Prep Refrigerator	Table 12 Table 1 Table 1 Table 1	X 5-15P 115 X 5-15P 115						
207 1 Atosa USA, Inc. 237 1 Atosa USA, Inc.	MGF8405GR	Work Top Freezer Reach-In Undercounter Freezer		X 5-15P 115 X 5-15P 115	- - - - - - - - - - 					
208 1 John Boos 209 1 John Boos	EWS8-1672-X EWS8-1272-X	Wall Shelf, 16"x72" Wall Shelf, 12"x72"	Mount @ 60" AFF to Shelf							
210 1 Atosa USA, Inc. 211 1 John Boos	MSF8302GR EWS8-1648-X	Sandwich Prep Refrigerator Wall Shelf, 16"x48"	Mount @ 60" AFF to Shelf	X 5-15P 115	1 2.3 1/	7 24"				
212 1 John Boos 213 1 John Boos	EWS8-1248-X ST6R1.5-3048GBK	Wall Shelf, 12"x48" Work Table, 30"x48"	Mount @ 75" AFF to Shelf							
214 1 Atosa USA, Inc.	ATRC-24	Charbroiler, 24"		V 5 455	1 22	7 0 ."			3/4" 30" 70k N	AT w/ Quick Disconnect Gas Hose
215 1 Atosa USA, Inc. 216 1 Atosa USA, Inc.	MGF8451GR ATTG-24	Refrigerated Equipment Stand Griddle, 24" Thermostatic		X 5-15P 115	1 2.3 1/	7 24"				AT w/ Quick Disconnect Gas Hose
217 5 Atosa USA, Inc. X 218 1 By Vendor	ATFS-50-NG RTISYSTEM	Fryer, 50lb Oil Dispensing System							3/4" 18" 136k N	AT w/ Quick Disconnect Gas Hose
219 1 Atosa USA, Inc. 220 2 Atosa USA, Inc.	MMF9110 CSTEA-3C	Chest Freezer Hot Food Serving Table		X 5-15P 115 X 5-15P 115	1 1.6	24" 18"				
221 1 John Boos	ST6-3048GSK-X	Work Table, 30"x48"		X 3-131 113	1 13	10				
222 1 John Boos 223 1 John Boos	EWS8-1660-X EWS8-1260-X	Wall Shelf, 16"x60" Wall Shelf, 12"x60"	Mount @ 60" AFF to Shelf Mount @ 75" AFF to Shelf							
224 1 Panasonic 225 2 John Boos	SR-42HZP ST6R1.5-3060GBK-X	Rice Cooker Work Table, 30"x60"		X 5-15P 115	1 13	48"				
226 1 John Boos 227 1 John Boos	EWS8-1672-X EWS8-1272-X	Wall Shelf, 16"x72" Wall Shelf, 12"x72"	Mount @ 60" AFF to Shelf Mount @ 75" AFF to Shelf							
228 1 John Boos	E1S8-1620-12R18-X B-3950	1 Comp Sink, 18"x18" Bowls Twist Waste Valve	Thousand Control of the control						1 1/2" 18"	
229 1 T&S Brass 230 1 T&S Brass	B-0231	Wall Mount Faucet							1/2" 18"	
231 2 John Boos 232 3 Atosa USA, Inc.	PBHS-W-0909-P-SSLR-X MGF8409GR	Hand Sink w/ L&R Side Splashes Refrigerated Work Top	Mount @ 34" AFF to Top of Sink	X 5-15P 115	1 2.3 1/	7 24"	1/2"	21"	1/2" 21" 11/2" 18"	
233 3 John Boos 234 3 John Boos	EWS8-1672-X EWS8-1272-X	Wall Shelf, 16"x72" Wall Shelf, 12"x72"	Mount @ 60" AFF to Shelf Mount @ 75" AFF to Shelf							
235 1 John Boos 236 1 Quantum	ST6R1.5-3060GBK-X GY	Work Table, 30"x60" Dry Storage Shelving Unit	See Written Specs for Configuration							
237 1 John Boos	ST6R1.5-3024GSK	Work Table, 30"x24"	See written specs for configuration							
238 1 John Boos 239 2 T&S Brass	FTSG-18120 B-0581	Floor Trough, 18"x120" Faucet w/ Swivel Nozzle, 24"							1/2" 54"	
240 3 Atosa USA, Inc. 241 2 Atosa USA, Inc.	ATSP-18-2 ATSP-18-1	Stock Pot Range, Double Stock Pot Range, Single								AT w/ Quick Disconnect Gas Hose AT w/ Quick Disconnect Gas Hose
300 1 John Boos 301 1 John Boos	PBHS-W-0909-P-SSLR-X E3S8-18-14T18-X	Hand Sink w/ L&R Side Splashes 3 Comp Sink	Mount @ 34" AFF to Top of Sink				1/2"	21"	1/2" 21" 1 1/2" 18"	
302 1 John Boos	BHS1696PR B-3950	Wall Shelf w/ Pot Rack, 16"x96" Twist Waste Valve	Mount @ 72" AFF to Shelf						1 1/2"	
304 1 T&S Brass	B-0231	Wall Mount Faucet					1/2"	18"	1/2" 18"	
305 1 John Boos 306 1 John Boos	SDT6-S72GBK-L BHS1842-TS-X	Soiled Dishtable, 72" Slant Rack Shelf, 42", Tubular	Mount @ 54" AFF to Bottom of Shelf						1 1/2"	ABS to Floor Sink
307 1 T&S Brass 308 1 Jackson WWS	B-0133-B CONSERVER XL2	Pre-Rinse Faucet Dishwasher, Door Type		X 115	1 20 1	60"	1/2"	21"	1/2" 21"	
309 1 John Boos 310 1 John Boos	CDT6-S60GBK-R BHS1842-TS-X	Clean Dishtable, 60" Slant Rack Shelf, 42", Tubular	Mount @ 54" AFF to Bottom of Shelf							
311 1 Quantum	_GY ST6R1.5-2448GBK-X	Pot/Pan Shelving Unit Work Table, 24"x48"	See Written Specs for Configuration							
312 1 John Boos 313 1 John Boos	ST6R1.5-2460GBK	Work Table, 24"x60"								
314 1 John Boos 315 1 John Boos	EWS8-1660-X EWS8-1260-X	Wall Shelf, 16"x60" Wall Shelf, 12"x60"	Mount @ 60" AFF to Shelf Mount @ 75" AFF to Shelf							
316 1 John Boos 317 1 John Boos	E2S8-18-12T18-X EWS8-1672-X	2 Comp Sink Wall Shelf, 16"x72"	Mount @ 60" AFF to Shelf			+				
318 2 T&S Brass 319 1 T&S Brass	B-3950 B-0231	Twist Waste Valve Wall Mount Faucet					1/2"	12"	1/2" 18"	ABS to Floor Sink
320 1 John Boos	EWS8-1272-X	Wall Shelf, 12"x72"	Mount @ 75" AFF to Shelf					10	1/2" 18"	
321 1 Hoshizaki 322 1 Hoshizaki	B-800SF KM-1301SRJZ3	Ice Bin, 800lb Ice Maker, Cube-Style, 1300 lb		X 208	3 12.8		Provide Shutoff @ Unit 1/2"	FILT	1	PVC to Floor Sink PVC to Floor Sink, Inlet from #324 Filter
323 1 Hoshizaki 324 1 Hoshizaki	URC-14FZ H9320-53	Remote Condenser Unit Water Filter System, Triple		X 115	1 3.4	RT	Run Power from #322, Provide Shutoff @ Unit 1/2"	72"		Outlet to #322, Backflow 1013 Required
325 2 John Boos 326 1 John Boos	ST6R1.5-3060GSK-X EWS8-1684-X	Work Table, 30"x60" Wall Shelf, 16"x84"	Mount @ 60" AFF to Shelf							
327 1 John Boos	EWS8-1284-X	Wall Shelf, 12"x84"	Mount @ 75" AFF to Shelf	V 5 450 445	1 12	40"				
328 1 Panasonic 329 1 Advance Tabco	SR-42HZP 9-OP-24FM-FGR	Rice Cooker Mop Sink	Recessed in Concrete	X 5-15P 115	1 13	48"			1/2" 18" 1 1/2" 15"	
330 1 T&S Brass	B-0665-BSTP	Service Sink Faucet					1/2"	33"	1/2" 33"	

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RIZONA		LARSON & ASSOCIATES	\bigcirc	ı	ı
T 7 > 7	AZOZY V	3807 N. 24TH STREET #100	\triangleleft	ı	ı
	RESTAURANT CONSULTING 7920 E. OAK STREET - SCOTTSDALE, ARIZONA 85257	PHOENIX, ARIZONA 85016	\triangleleft	4/22/24	1st CITY COMMENTS
	602.699.5131 JUSTIN@AZRESTAURANTCONSULTING.COM	(602) 955-9929	\bigcirc	ı	ı

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X	331 1 John Boos	PB-MSS824-X	Wall Shelf w/ Mop Rack, 8"x24"	Mount @ 66" AFF to Shelf							
X	332 1 Cornelius	3BIFJ	Bag in Box Soda Rack	-							
X	333 1 Cornelius	416424000	Carbonator, Wall Mount	Mount @ 84" AFF	X 5-15F	115 1 12	72"		1/2" 60"	1/2"	Backflow 1013 Required, Copper to Floor Sink
X	334 1 Quantum	_GY	Wire Shelving Unit	See Written Specs for Configuration							
X	335 1 Quantum	GY	Wire Shelving Unit	See Written Specs for Configuration							
X	336 1 By Vendor	RTISYSTEM	Oil Dispensing System	·	X 5-15F	115 1 15	72"				
X	400 1 AmeriKooler	2COMPBOX	2 Comp Cooler/Freezer	Floor In Freezer w/ Interior Ramp	X	115 1 8	120"	Light Connection @ Box			
X	401 1 AmeriKooler	BEL0125BS6AMAB0402	Evaporator Coil for Cooler		X	208 1 2	_	Wire Through Switch		1"	Copper to Floor Sink
X	402 1 AmeriKooler	BCH0020MBACZA0000	Remote Condenser for Cooler		X	208 1 20		Provide Shutoff @ Unit			Copper to Floor Sink Copper to Floor Sink
x	403 1 Quantum	GY	Wire Shelving Unit	See Written Specs for Configuration				-			
X	404 1 Micro Matic	MMPP4302-PKG	Draft Beer System Power Pack	·	X 5-15F	115 1 21	120"	Outlet above Walk in Cooler			
Х	405 1 AmeriKooler	BEL0100BS6EEAB0402	Evaporator Coil for Freezer		X	208 1 2		Wire Through Switch		1"	Copper to Floor Sink
x	406 1 AmeriKooler	BCH0035LBACZA0200	Remote Condenser for Freezer		x	208 1 37.5		Provide Shutoff @ Unit			PVC to Floor Sink
X	407 1 Quantum	GY	Wire Shelving Unit	See Written Specs for Configuration							
X	500 1 John Boos	ST6R1.5-3024SSK	Work Table, 30"x24"								
X	501 1 Cornelius	631100057	Soda Dispenser, In-Counter		X 5-15F	115 1 1.5	18"			1"	PVC to Floor Sink
X X	502 1 John Boos	EFT8-3015SSK-X	Filler Table, 15"x30"		1 1 2 2						
X	503 1 Atosa USA, Inc.	MSF8301GR	Sandwich Prep Refrigerator		X 5-15F	115 1 2.3 1	L/7 24"				
X	504 1 Atosa USA, Inc.	MGF8405GR	Reach-In Undercounter Freezer		X 5-15F	 	L/5 24"				
X	505 1 John Boos	ST6R1.5-3096SSK-X	Work Table, 30"x96"			120 2 210 2	-,				
	506 1 BUNN	52000.0100	Iced Tea Brewer		X	120 1 14	48"		1/2" 48"		w/ Filter
X	507 1 Cornelius	631100057	Soda Dispenser, In-Counter			120 1 17	10		1/2	1"	PVC to Floor Sink
X X	508 1 John Boos	EFT8-3015SSK-X	Filler Table, 15"x30"								TVE to From Shik
X X	509 1 John Boos	PBHS-W-0909-P-SSLR-X	Hand Sink w/ L&R Side Splashes	Mount @ 34" AFF to Top of Sink					1/2" 21" 1/2"	21" 1 1/2" 18"	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	510 2 By Vendor	POSSCREEN	Point of Sale, Screen Only	Widding ST Air to rop or sink	X 5-15F	115 1 8	24"		1/2 21 1/2	21 11/2 10	
Y A	511 1 ACP	RCS10TS	Microwave Oven		X 5-15F	 	24"				
X X	SS1 1 LEOW	WALLFLASH	Wall Flashing		X 3-131	120 1 15					
X	SS2 2 LEOW	WALLCAP5IN	Wall Cap, Full Height								
	SS3 1 LEOW	SSPASSTHRUSGL	Pass Thru Shelf, Single							 	
	SS4 1 LEOW	WALLFLASH	Wall Flashing, 120"h	w/ (1) Inside Corner						 	
	SS5 1 LEOW	WALLCAP8IN	Wall Cap, Full Height, 8"	w/ (1) maide comer						 	w/ Filter PVC to Floor Sink !
	SS6 1 LEOW	WALLFLASH	Wall Flashing, 120"h	w/ (1) Inside Corner							
	SS7 1 LEOW	WALLCAP5IN	Wall Cap, Full Height	w/ (1) maide comer							
	SS8 3 LEOW	CORNER2X2	Corner Guard, Full Height							 	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	SS9 1 LEOW	WALLFLASH	Wall Flashing, 120"h	w/ (2) Outside Corners							
	A 1 Captive-Aire	5430ND-2-PSP-F	Type I Exhaust Hood	w/ (2) Outside Comers	X	115 1 6	120"	Light Connection @ Box			
	B 1 Captive-Aire	DU200HFA	Exhaust Fan		X	208 3 15 5		Provide Shutoff @ Unit			
	C 1 Captive-Aire	A2-20D	Make Up Air Unit		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	208 3 18.8 5		Provide Shutoff @ Unit	1/2" RT	1"	Engineer to Run Drain
^	- 	TANK	·			200 3 18.8 3	KI	Frovide stratoff & Offit	1/2 1/1		
	 	6030ND-2-PSP-F	Fire Suppression System Type I Exhaust Hood			115 1 6	120"	Light Connection @ Box			+ +
^	E 1 Captive-Aire	DU180HFA	Exhaust Fan		X	115 1 6 208 3 8.3 2					+ + +
^	F 1 Captive-Aire G 1 Captive-Aire	TANK				208 3 8.3 2	KI	Provide Shutoff @ Unit			
	- '	4830VHB-G	Fire Suppression System Condensate Hood								+ + +
	H 1 Captive-Aire				X	115 1 42 1	1/2 DT	Dravido Shutoff @ Unit			
X	I 1 Captive-Aire	DU33HFA	Exhaust Fan	L	X	115 1 4.3 1	L/3 KI	Provide Shutoff @ Unit			

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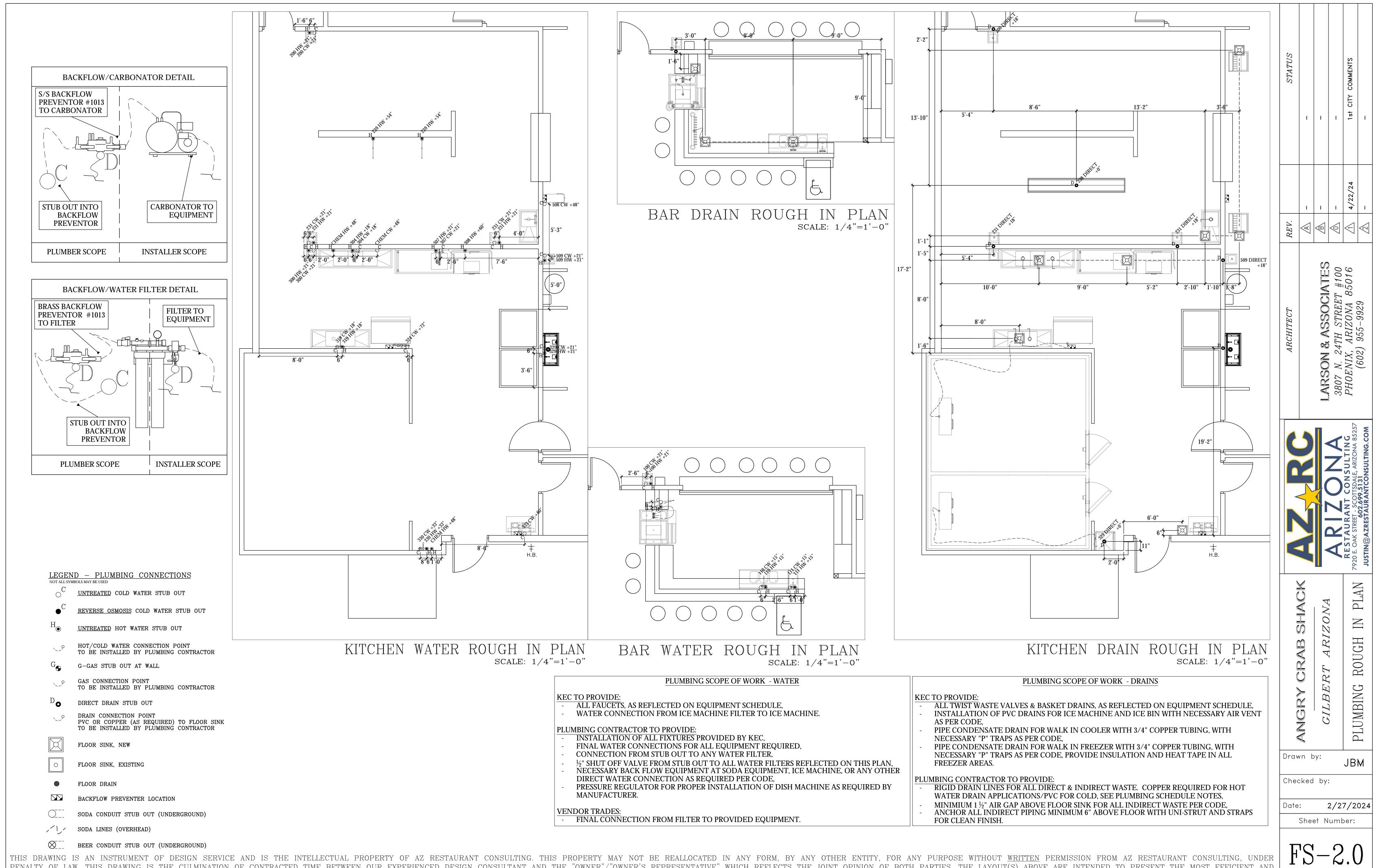
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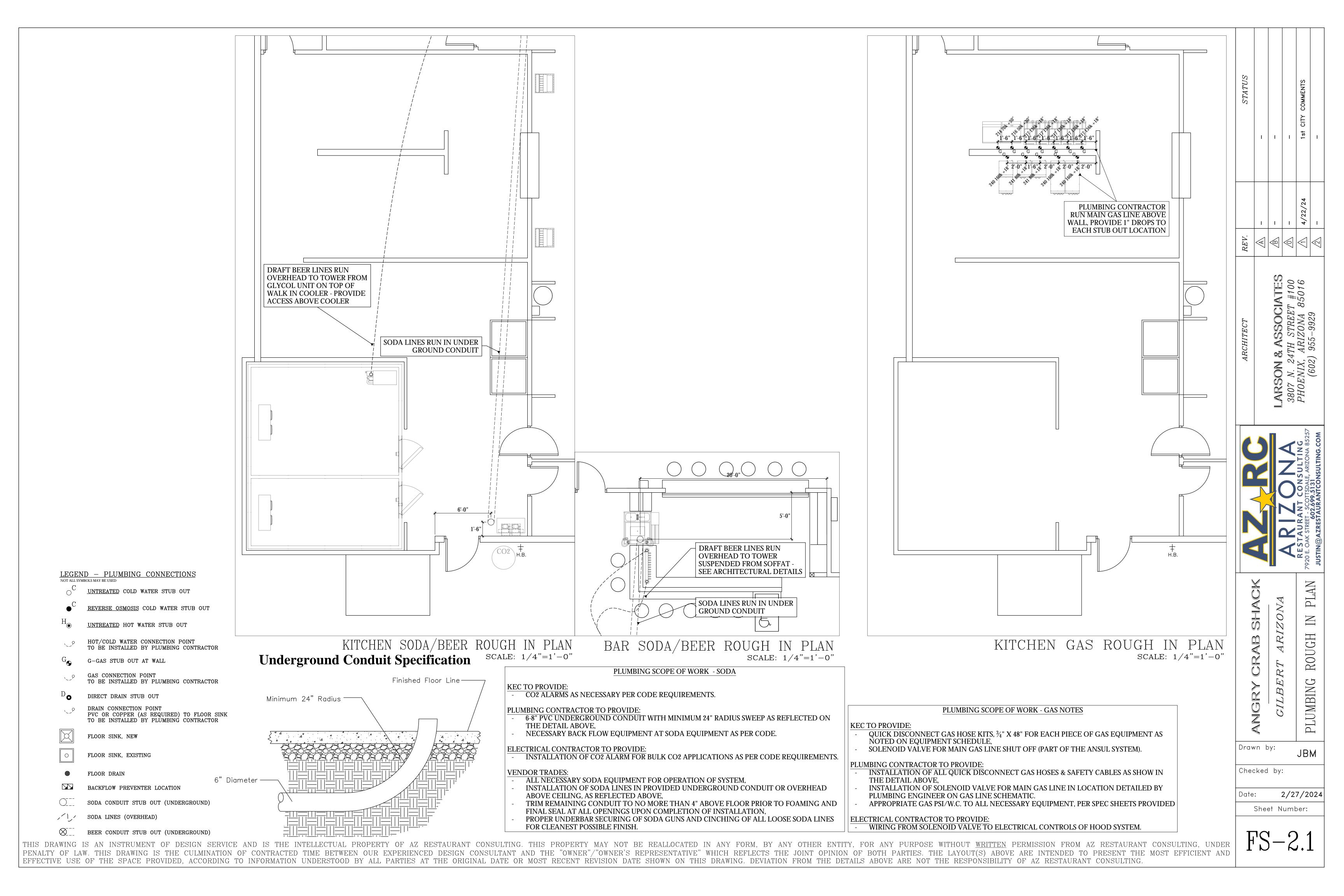
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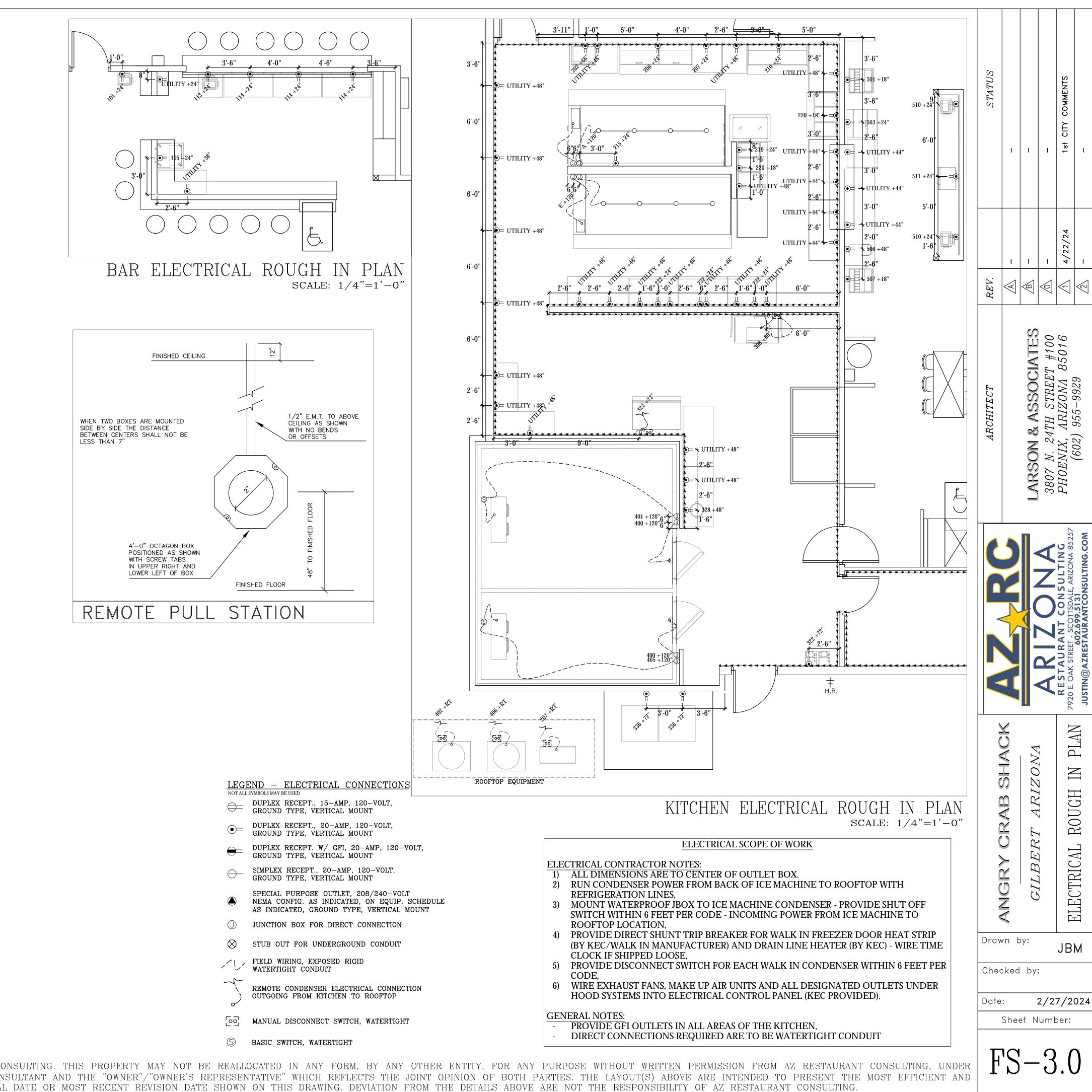
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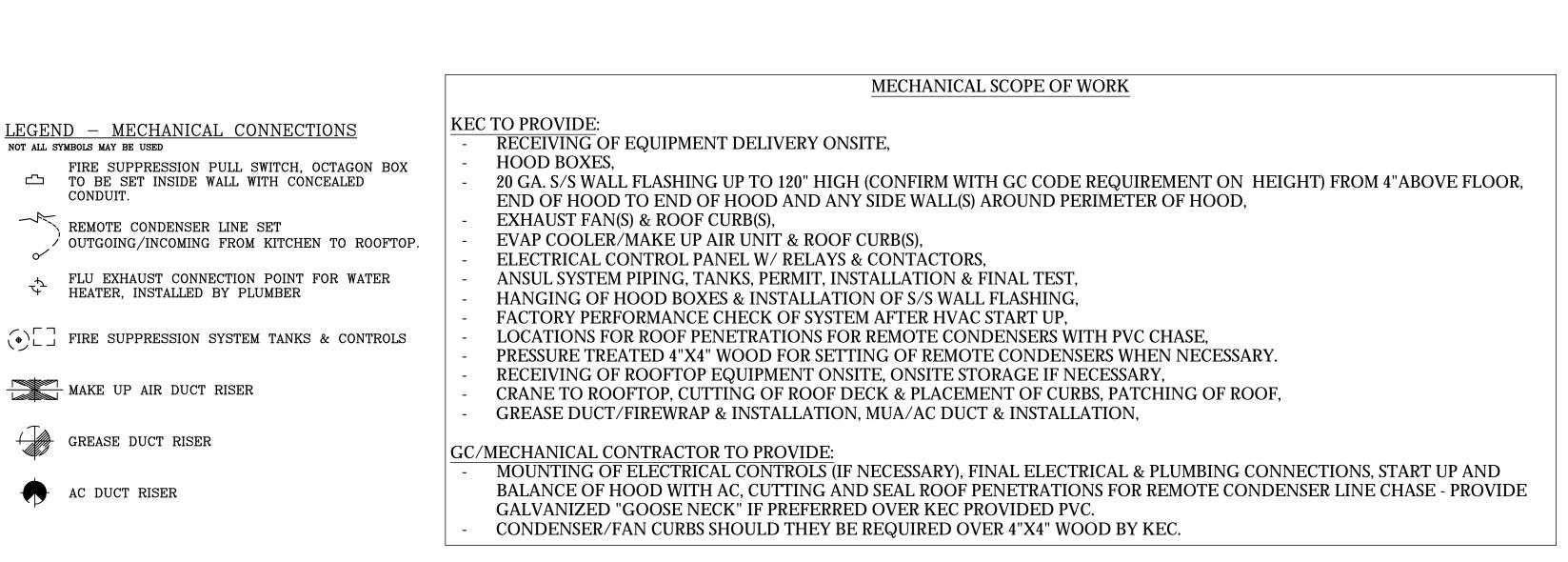


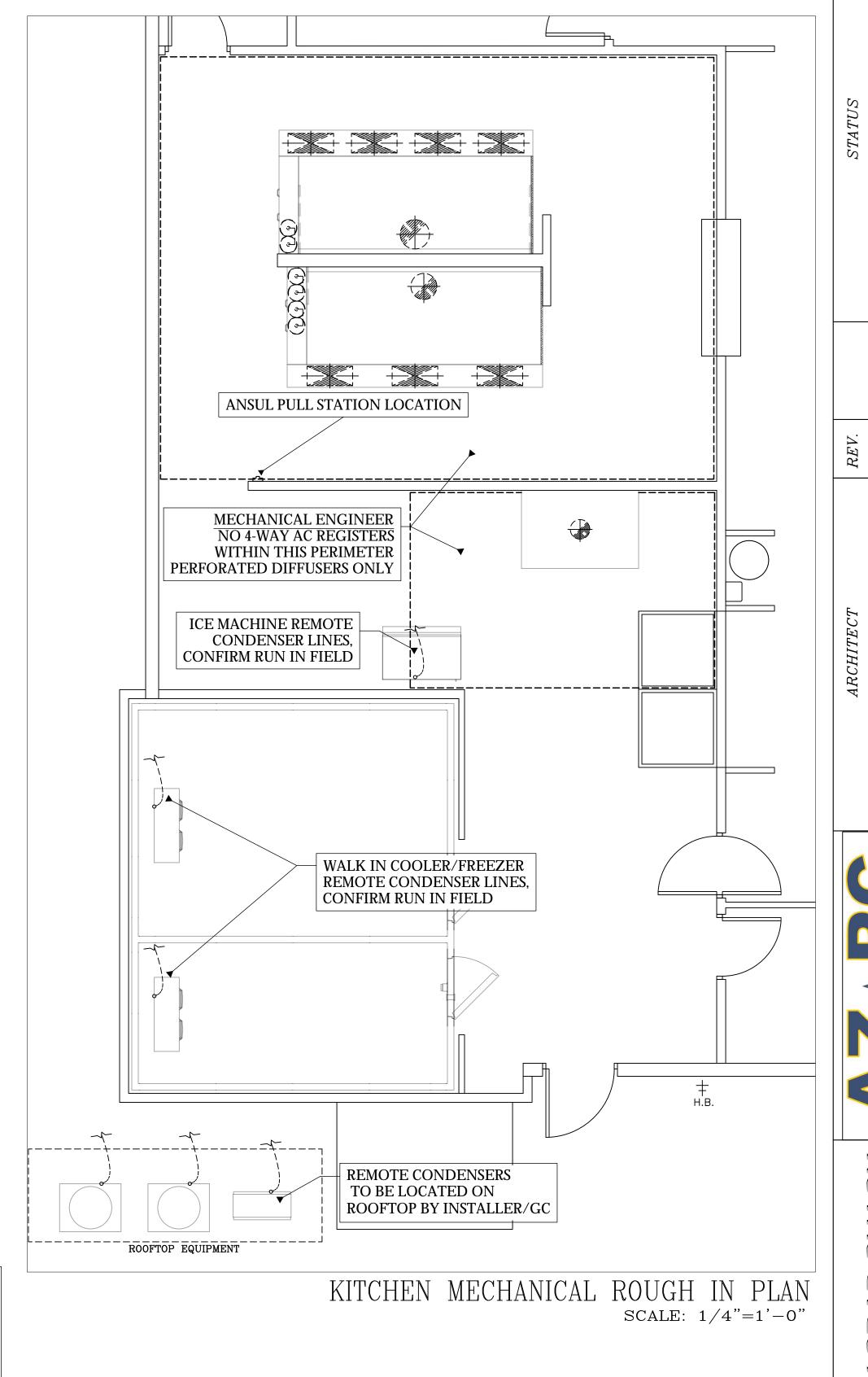
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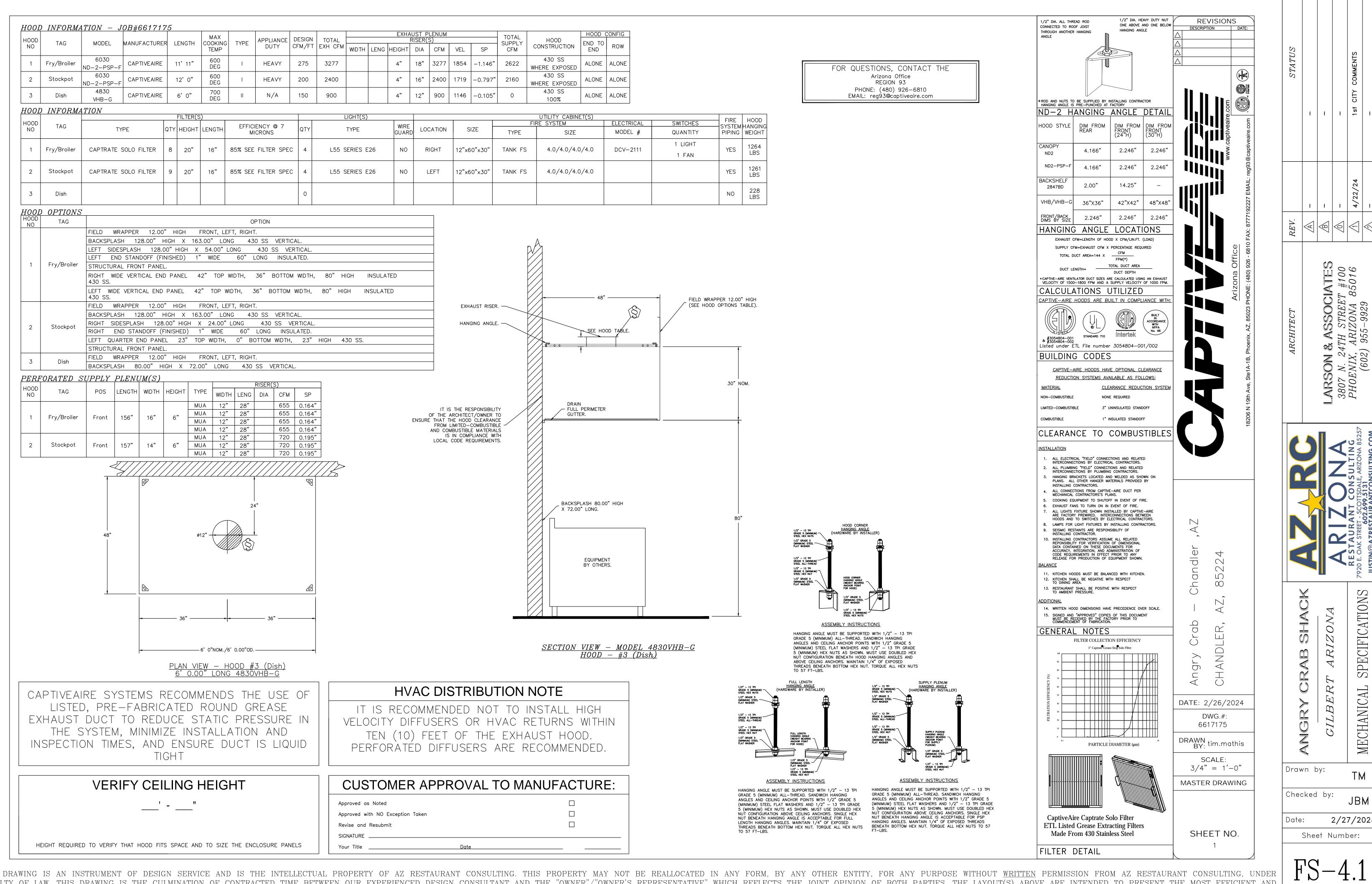
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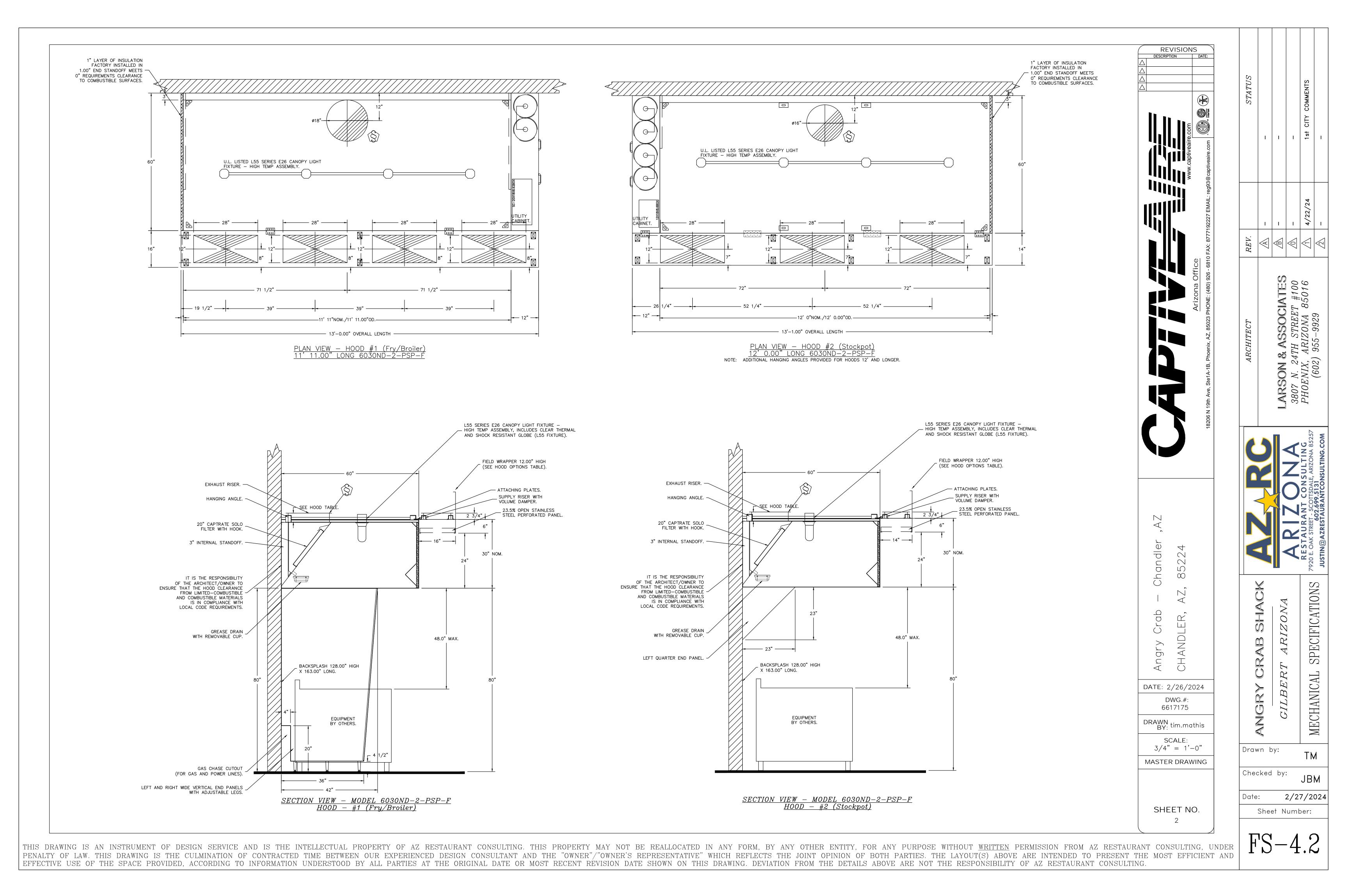


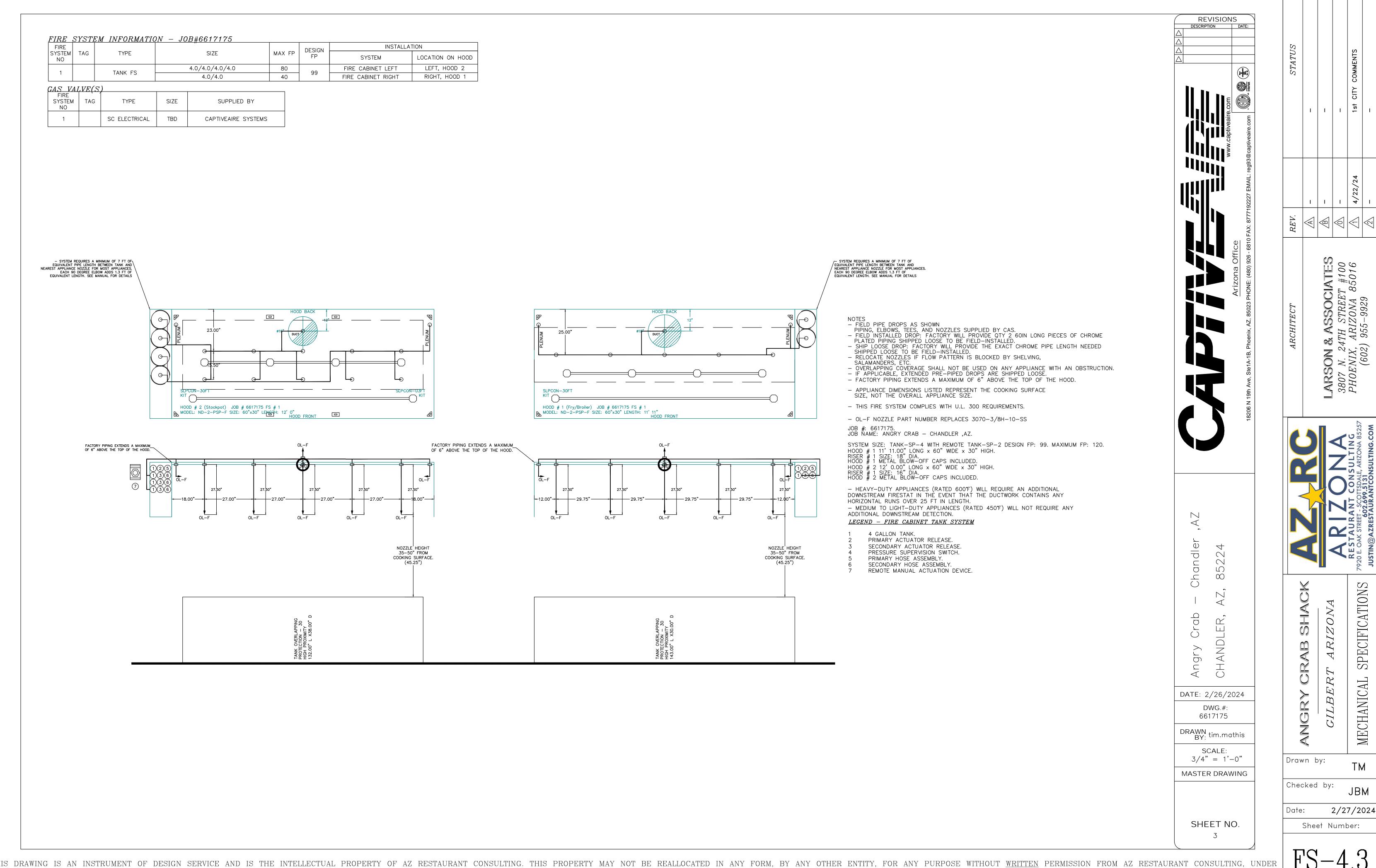
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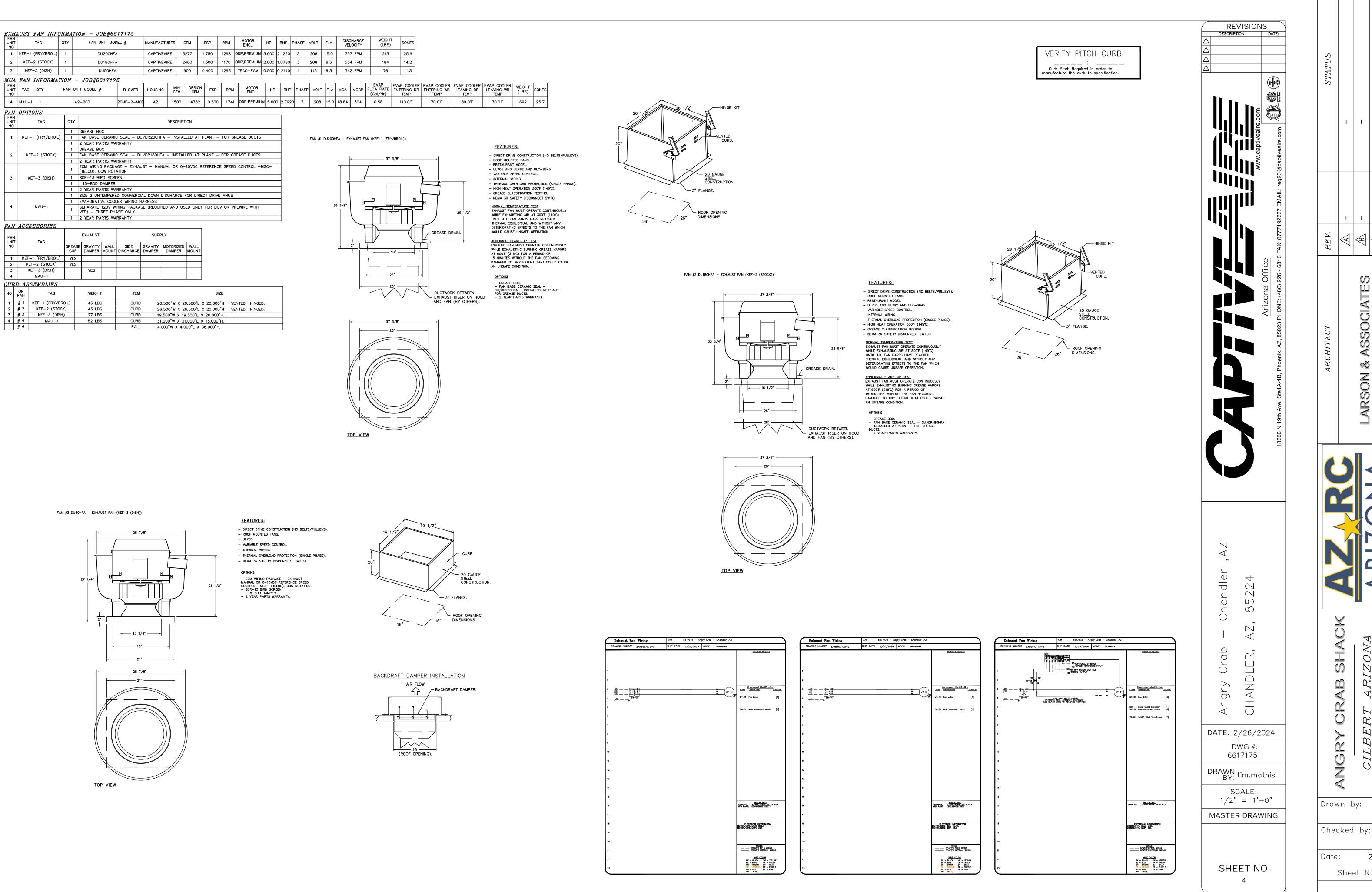
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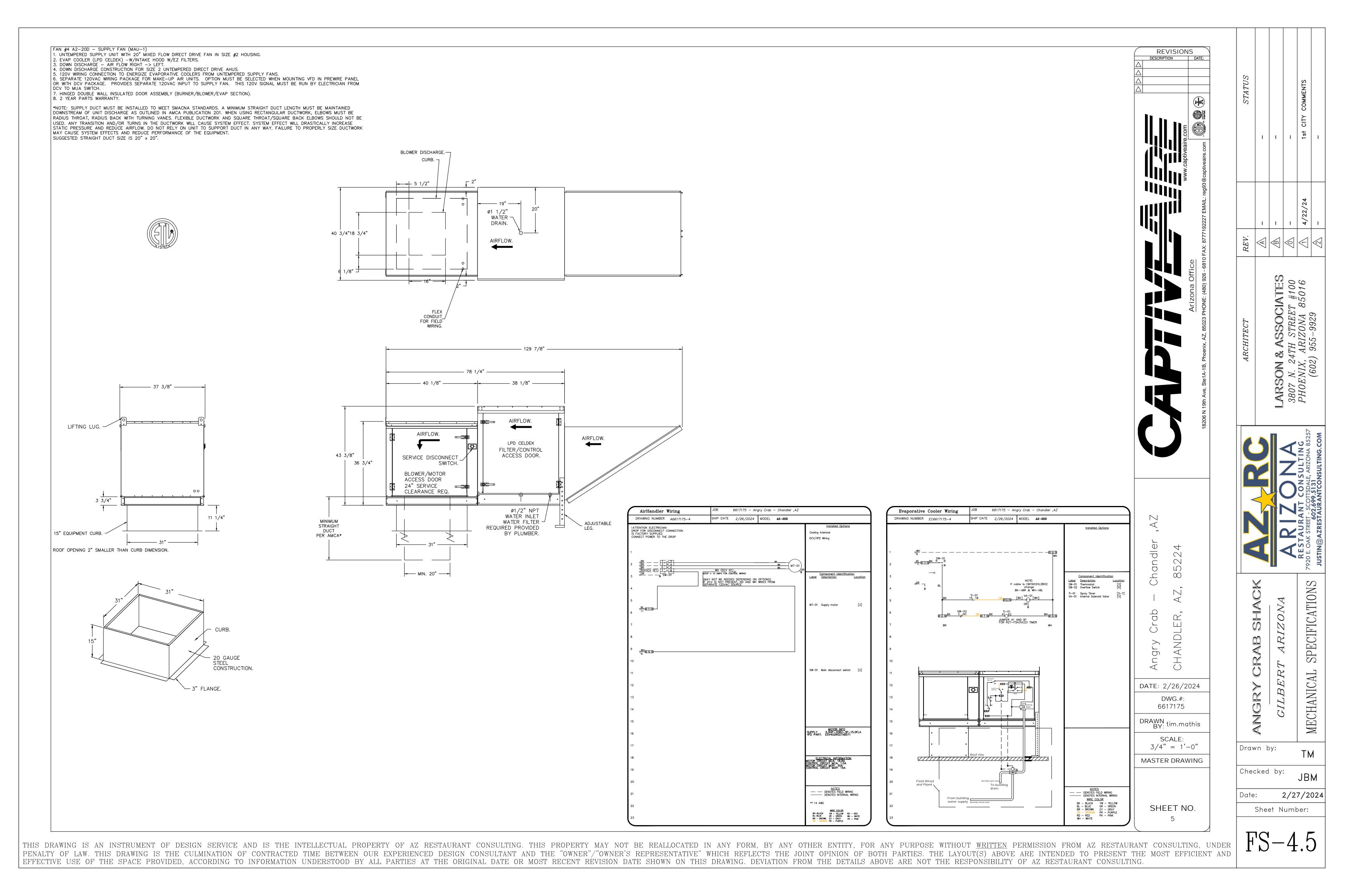
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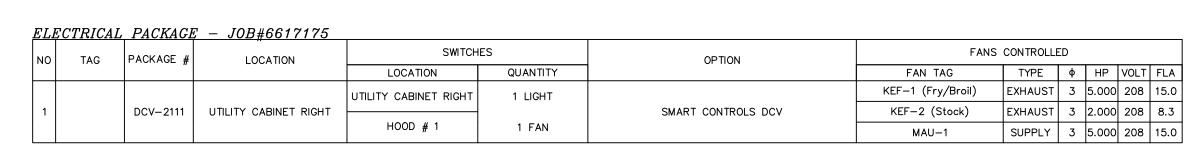
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3807 N. 24TH STREET #100
PHOENIX, ARIZONA 85016
(602) 955–9929

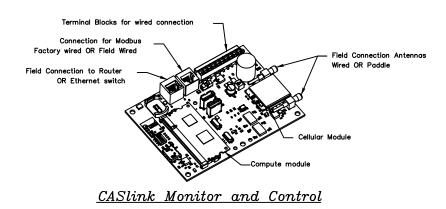
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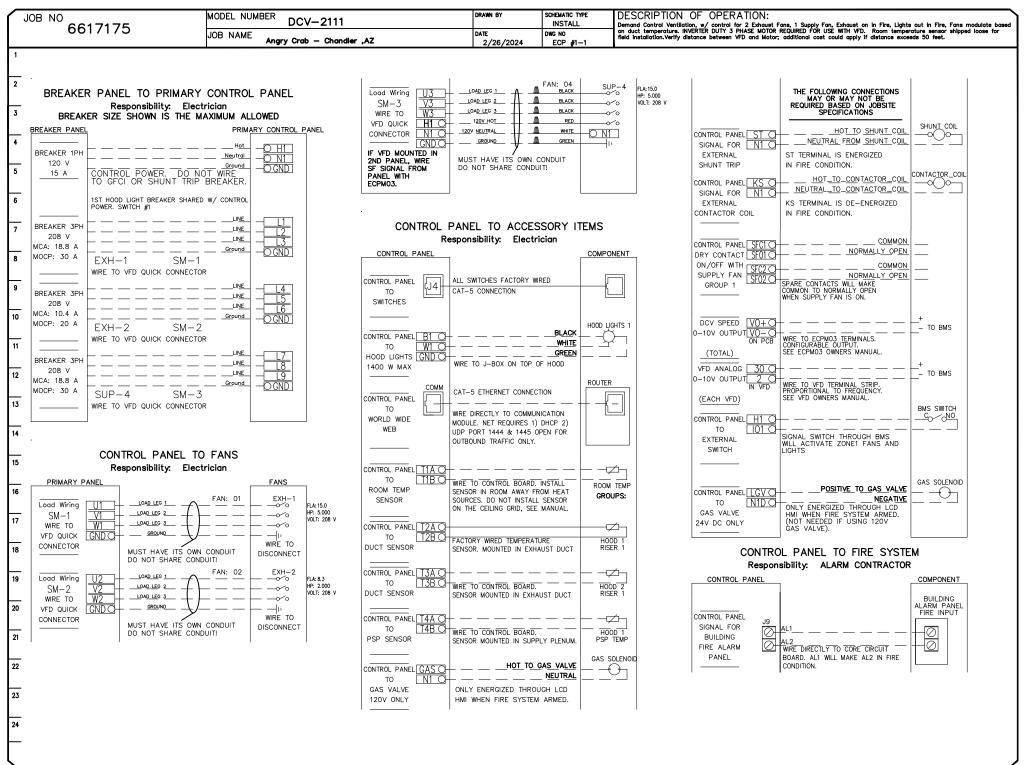


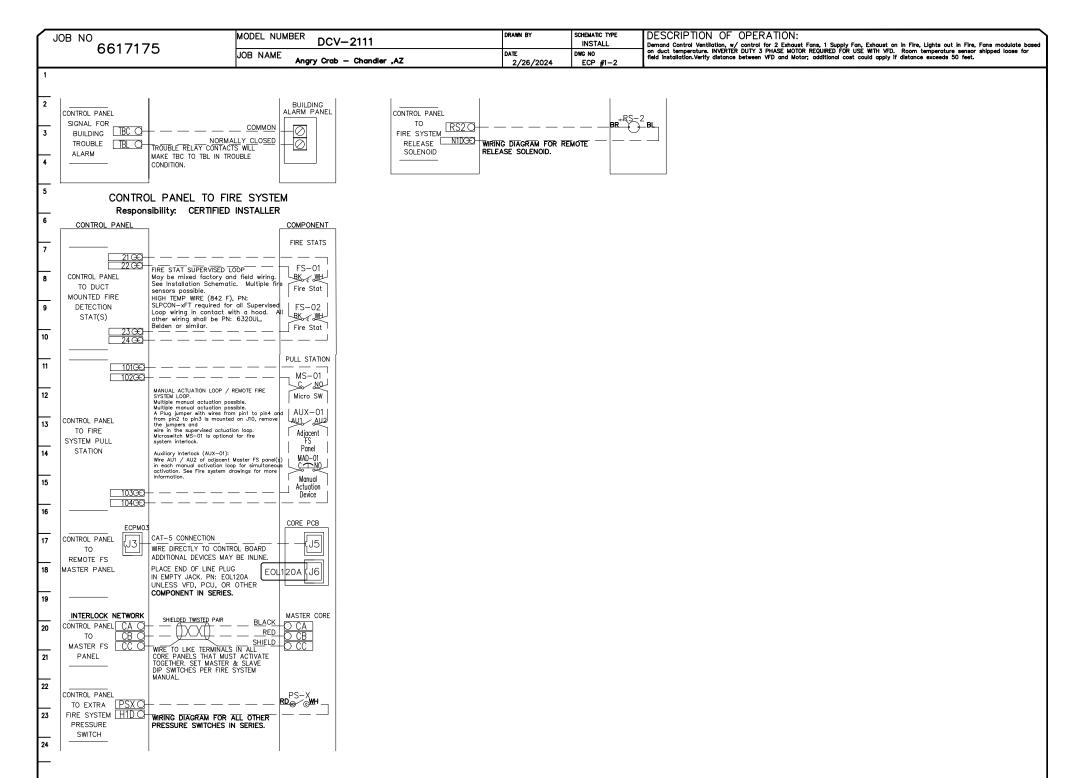
Hood control panel to support communications to cloud-based Building Management System.
 Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
 Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
 Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management

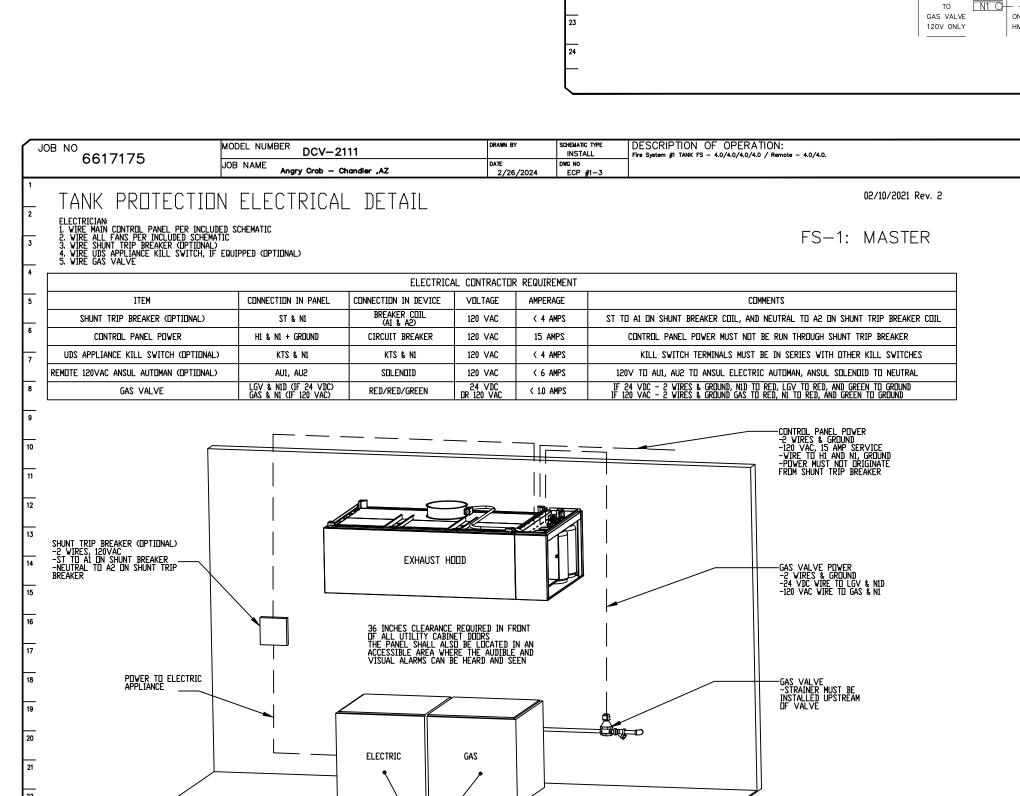
MONITORING AND CONTROL POINTS LIST

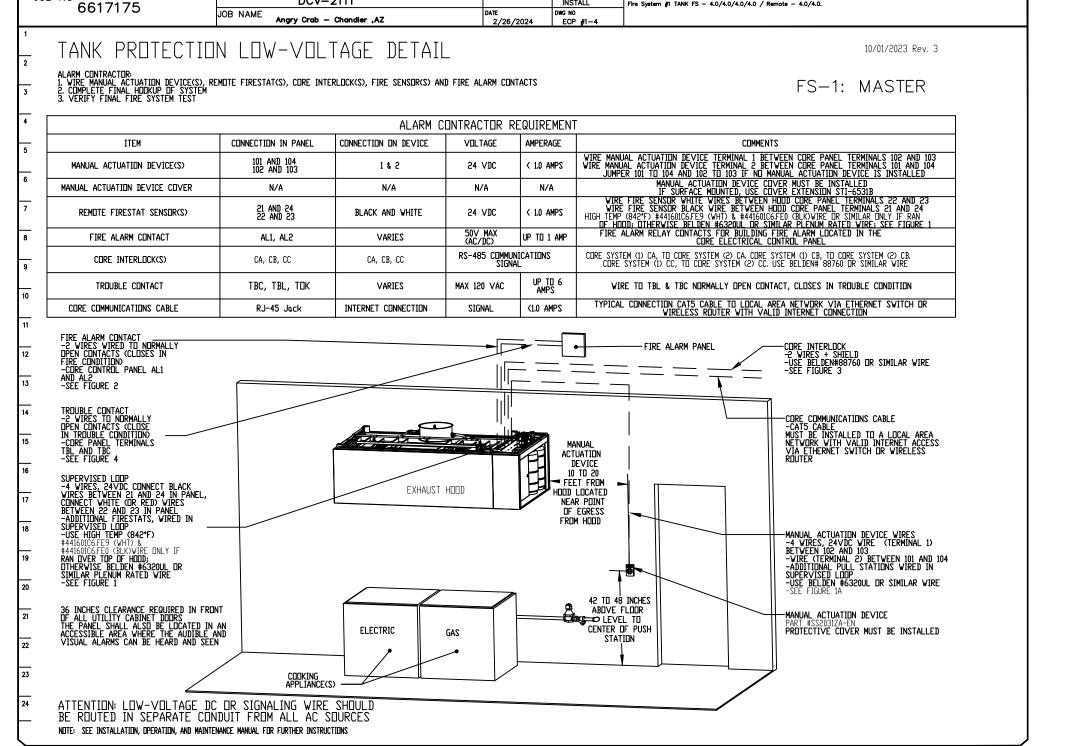
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DCV Packages	Function	SC Packages	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR	Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR	MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR	Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR	Controller Faults	MONITOR
Fan Amperage	MONITOR	Fan Faults	MONITOR
Fan Power	MONITOR	Fan Status	MONITOR
VFD Faults	MONITOR	PCU Faults	MONITOR
Controller Faults	MONITOR	PCU Filter Clog Percentages	MONITOR
Fan Faults	MONITOR	Fire Condition	MONITOR
Fan Status	MONITOR	CORE Fire System	MONITOR
PCU Faults	MONITOR	Building Pressures	MONITOR
PCU Filter Clog Percentages	MONITOR	Fans Button(s)	MONITOR & CONTRO.
Fire Condition	MONITOR	Lights Button(s)	MONITOR & CONTRO.
CORE Fire System	MONITOR	Wash Button	MONITOR & CONTRO
Building Pressures	MONITOR		
Prep Time Button	MONITOR & CONTROL		
Fans Button	MONITOR & CONTROL		
Lights Button	MONITOR & CONTROL		

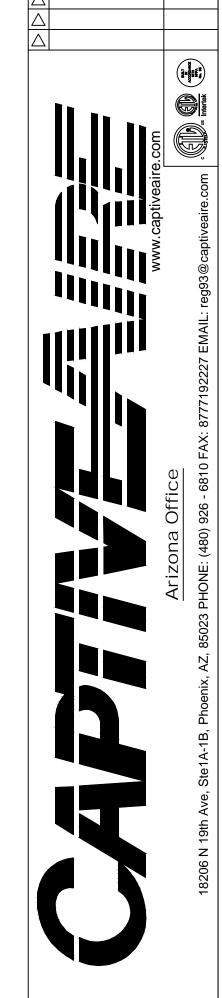
MONITOR & CONTROL











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DATE: 2/26/2024

DWG.#: 6617175

DRAWN BY: tim.mathis

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REVISIONS

DESCRIPTION

A R I Z O N S O I Z O N S O E O AK STREET - SCOTTSDALE, ARIZONA 85

LARSON & ASSOCIATES
3807 N. 24TH STREET #100
PHOENIX, ARIZONA 85016
(602) 955-9929

ERT ARIZONA

CAL SPECIFICATIONS

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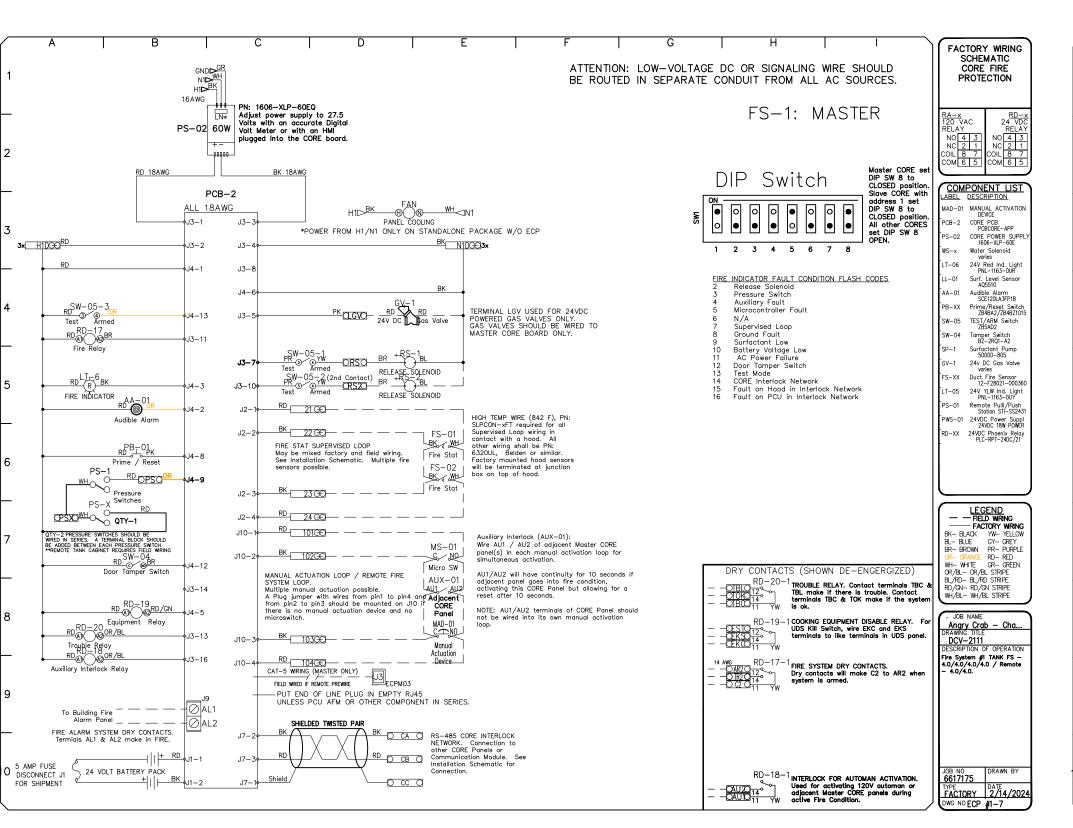
JBM
Date: 2/27/2024

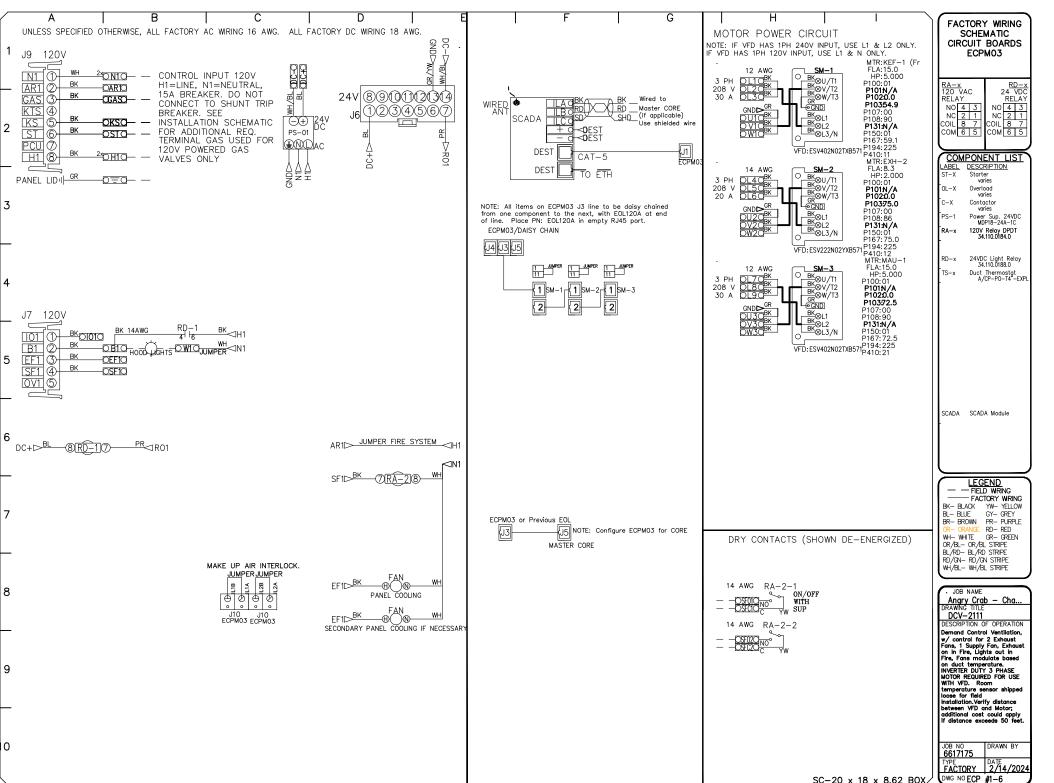
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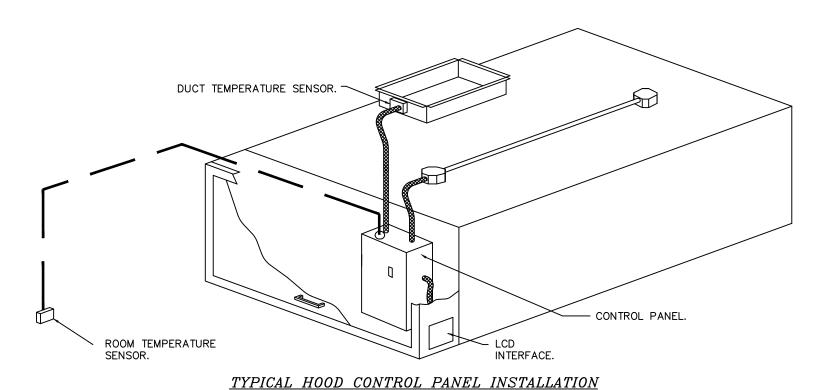
NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS	MASTER DRAWIN
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DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

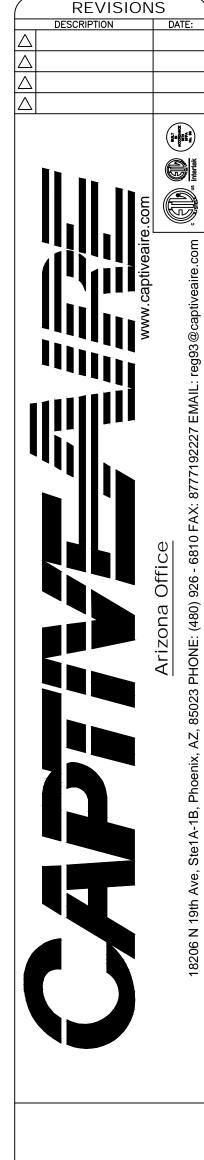
- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF
- STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
- A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
- B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED). C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
- D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION. E. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
- F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION. G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.



<u>SEQUENCE</u> OF OPERATIONS:

THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY

- AUTOMATIC: THE SYST THE TEMPERATURE AT CONFIGURABLE TEMPE ZONE CAN BE CONFIG MOTOR (SUCH AS EC EQUIPPED WITH VARIA WITHIN A USER-DEFIN VARIABLE SPEED FANS CALCULATED FOR THE EXHAUST AND MAKE
- MANUAL: THE SYSTEM
- SCHEDULE: A WEEKLY DAY. THERE ARE THRE SUITABLE TO THEIR N AT MODULATION MODE TIME. DURING UNOCCU ACTIVATION OF THE S
- OTHER: THE SYSTEM HARD-WIRED INTERLO
- FIRE: UPON ACTIVAT CONTINUE TO TO RUN ACTIVATING THE SHUN MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.



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LARSON & ASSOCIATES
3807 N. 24TH STREET #100
PHOENIX, ARIZONA 85016
(602) 955-9929

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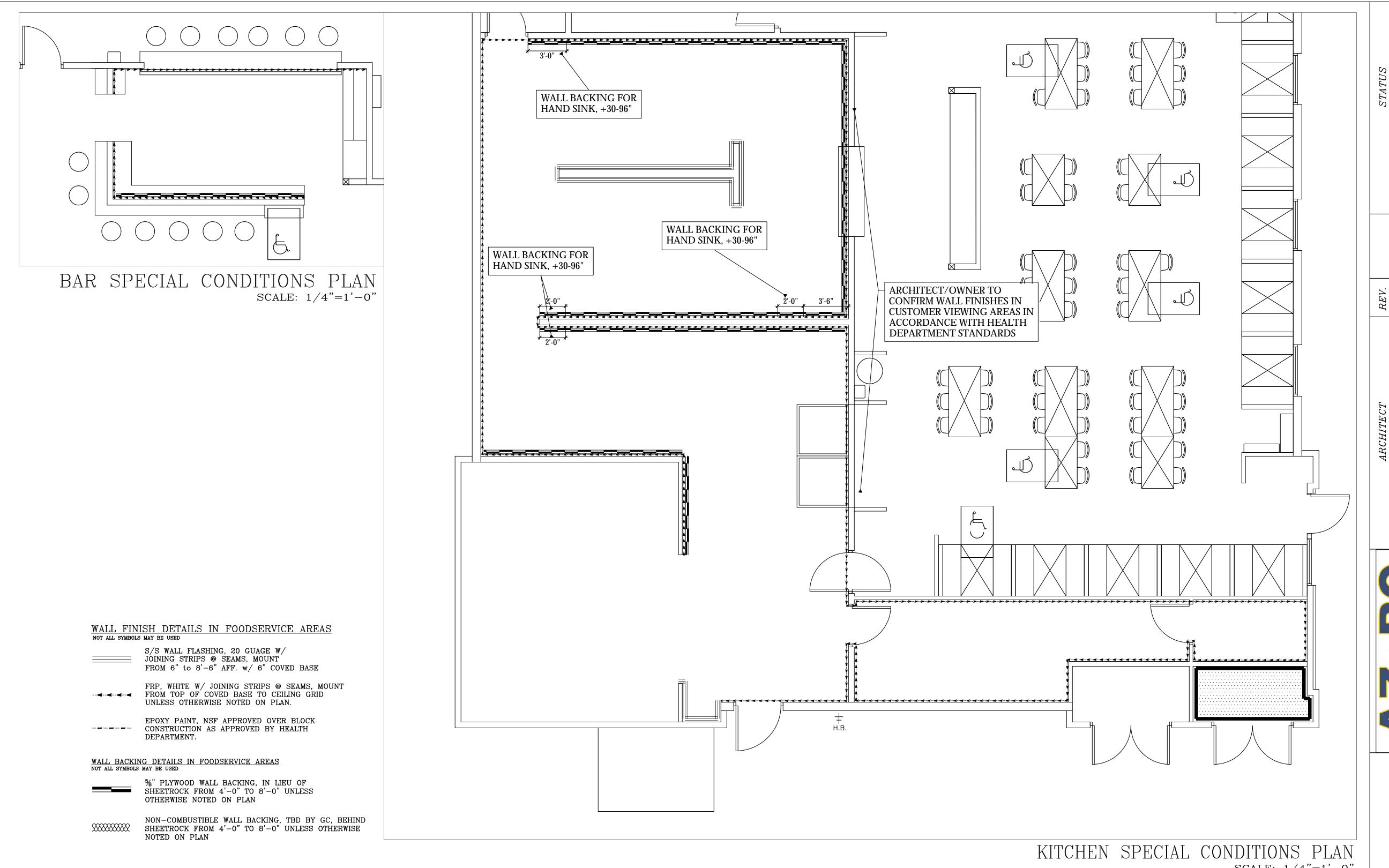
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YSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A IPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN FIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS RIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE FINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH ANS AND A FAN ZONE DEFINED AS "STATIC", FANS WILL RUN AT A SET SPEED THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING IE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).	Angry Crab - CHANDLER, A	
IN OFENATES DASED ON HOMAN INFOTENCIAN TIMI.		
LY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE HREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN DOE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS CCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED E SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.	DATE: 2/26/2024 DWG.#: 6617175 DRAWN BY: tim.mathis	
M OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR LOCK).	SCALE:	
'ATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR UN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR HUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A BICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM	3/4" = 1'-0" MASTER DRAWING	



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

SPECIAL Drawn by: JBM

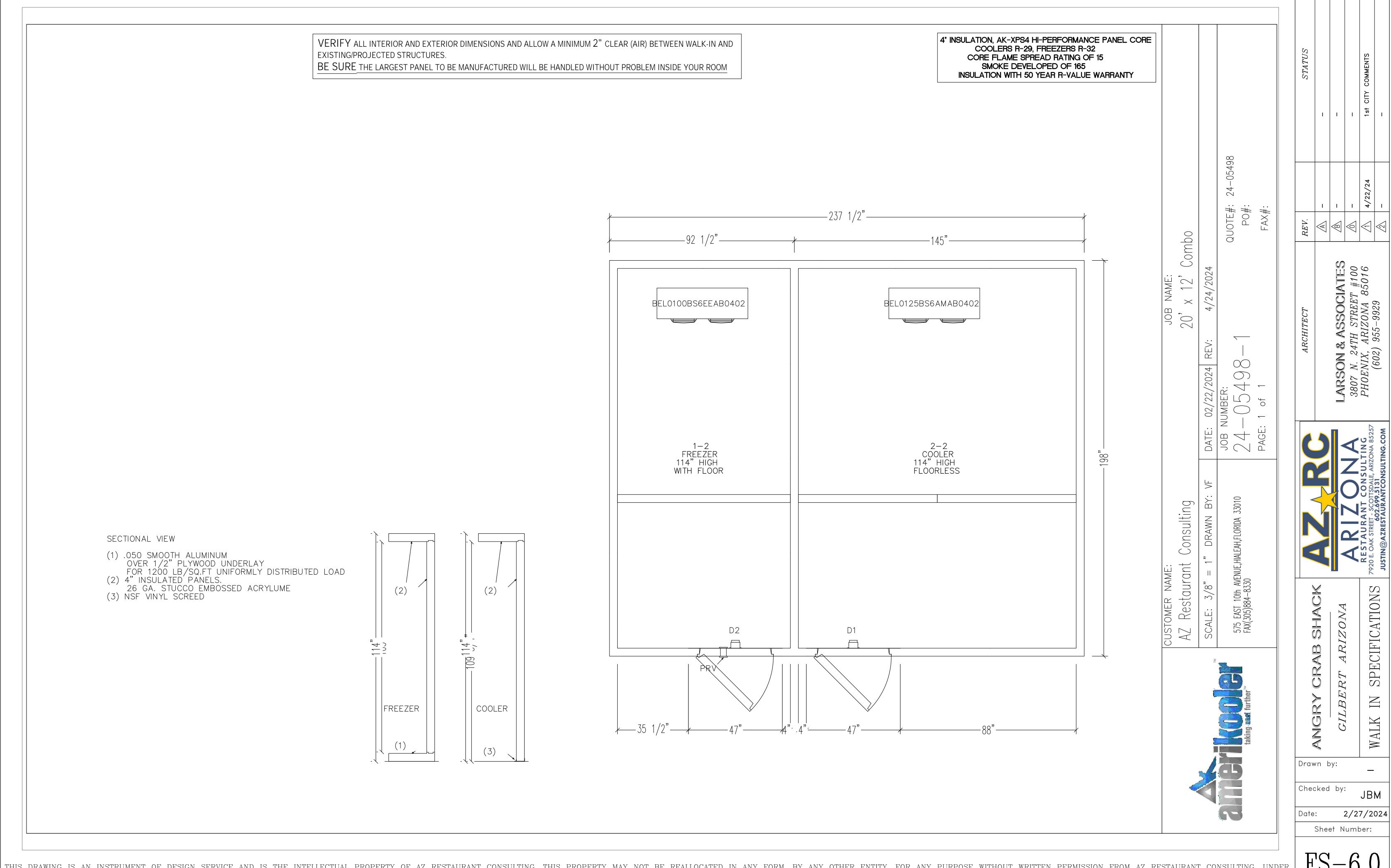
CONDITIONS

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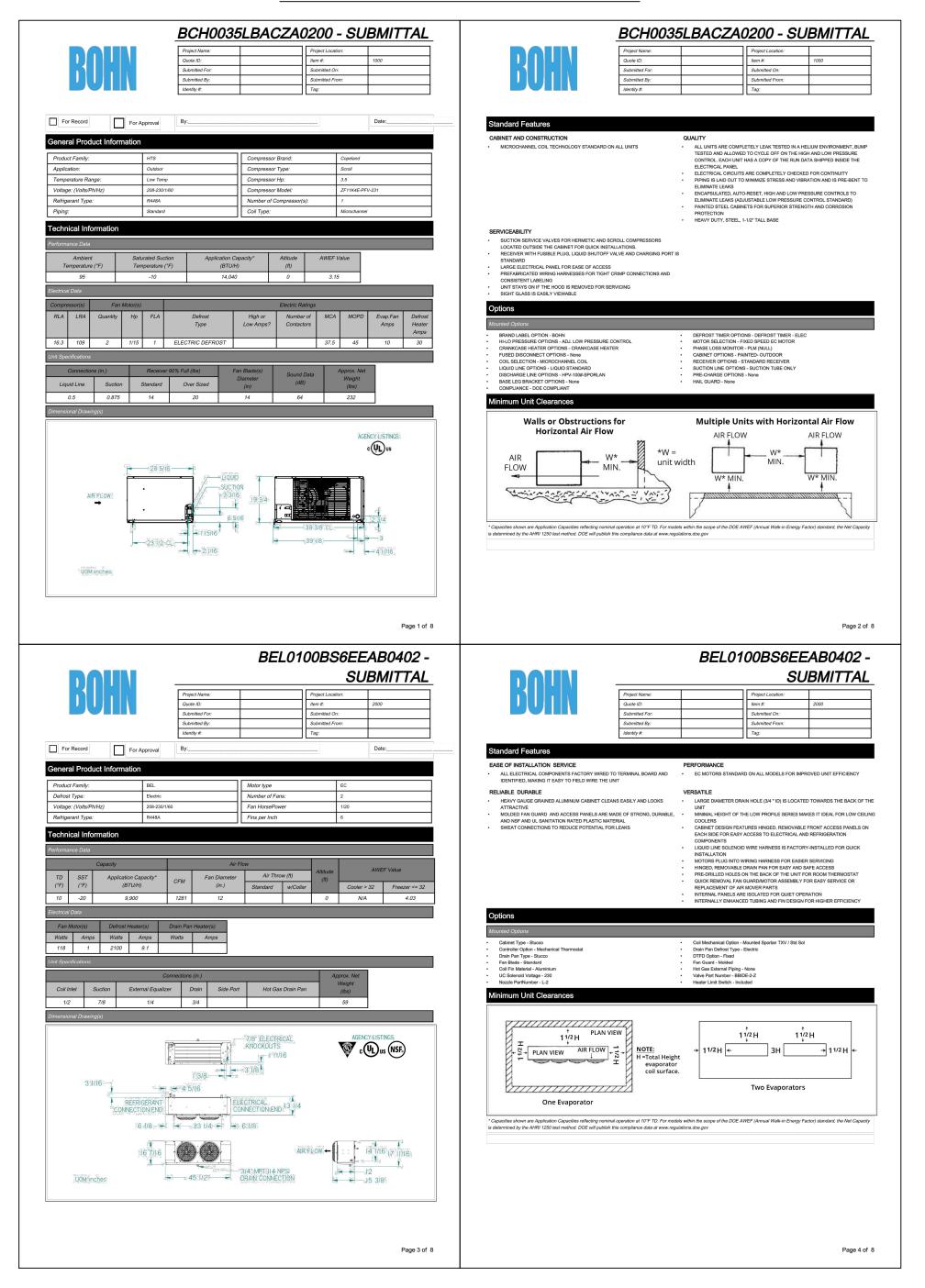
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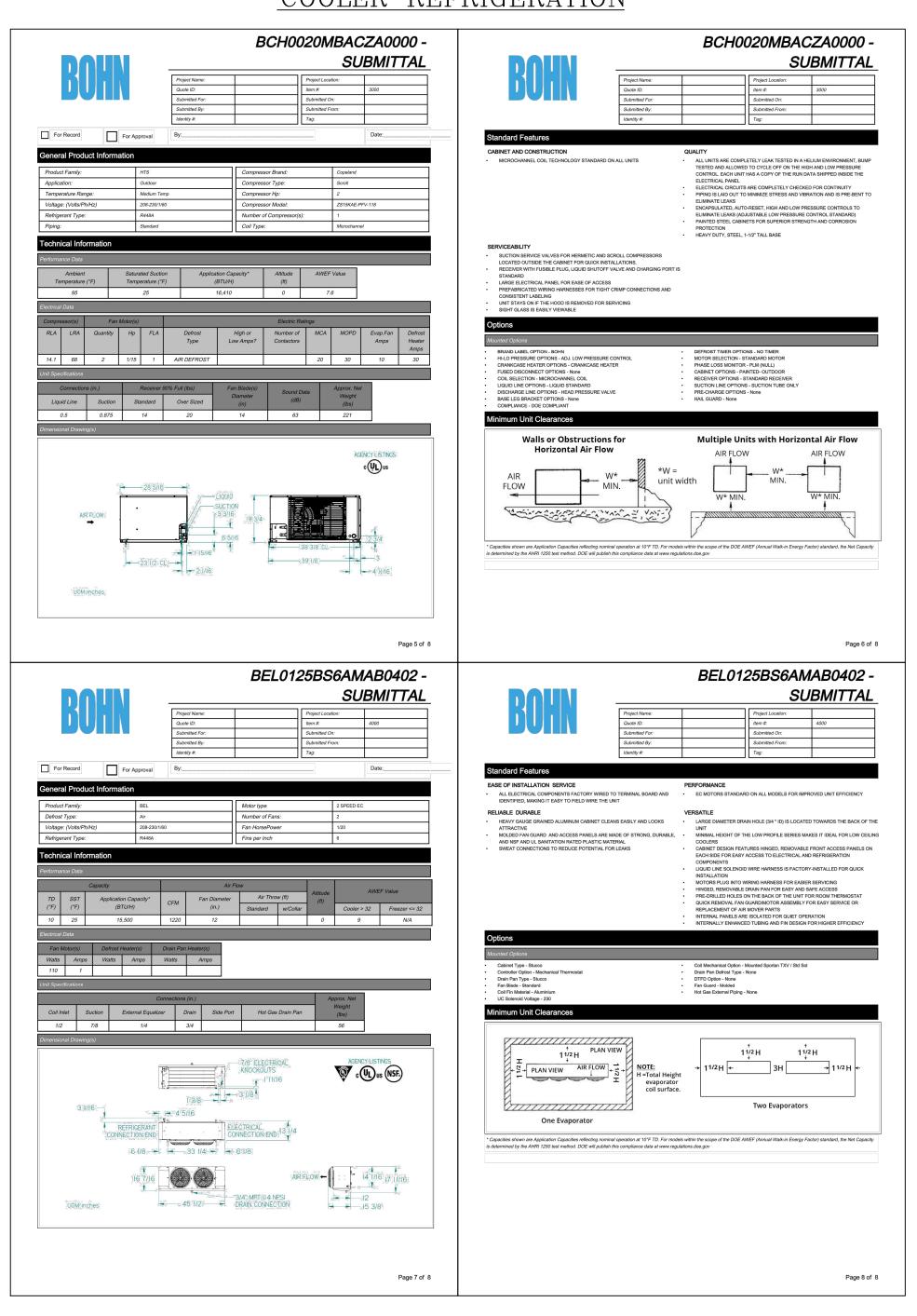


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COOLER REFRIGERATION



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3807 N. 24TH STREET #100
PHOENIX, ARIZONA 85016
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