

HANGING ANGLE DETAILS

HOOD STYLE / MODEL	450 DEGREES cfm/ft.	600 DEGREES cfm/ft.	700 DEGREES cfm/ft.
CANOPY ND-2	150	200	250
CANOPY ND-2 W/ END PANELS	105	140	175
SLOPED SND-2	228	294	-
ISLAND ND-2WI	269	300	350
ISLAND ND-2I	346	422	475

ETL HOOD LISTING DETAIL

EXHAUST CFM = LENGTH OF HOOD X CFM/LIN.FT. (LOAD)
 SUPPLY CFM = EXHAUST CFM X PERCENTAGE REQUIRED
 TOTAL DUCT AREA (sq. in.) = 144 x $\frac{CFM}{FPM(*)}$
 DUCT LENGTH = $\frac{TOTAL DUCT AREA}{DUCT WIDTH}$

CAPTIVE-AIRE HOODS BUILT IN COMPLIANCE WITH:

CALCULATIONS UTILIZED

CAPTIVE-AIRE HOODS BUILT IN COMPLIANCE WITH:

UL LISTED
 #3054804-001
 #3054804-002
 LISTED UNDER ETL FILE NUMBER 3054804-001/002

BUILDING CODES

CAPTIVE-AIRE HOODS HAVE OPTIONAL CLEARANCE REDUCTION SYSTEMS AVAILABLE AS FOLLOWS:

MATERIAL	CLEARANCE REDUCTION SYSTEM
NON-COMBUSTIBLE	NONE REQUIRED
LIMITED-COMBUSTIBLE	3" UNINSULATED STANDOFF
COMBUSTIBLE	1" INSULATED STANDOFF

CLEARANCE TO COMBUSTIBLES

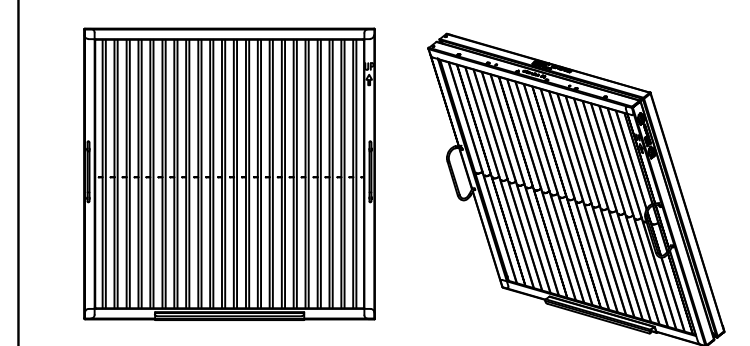
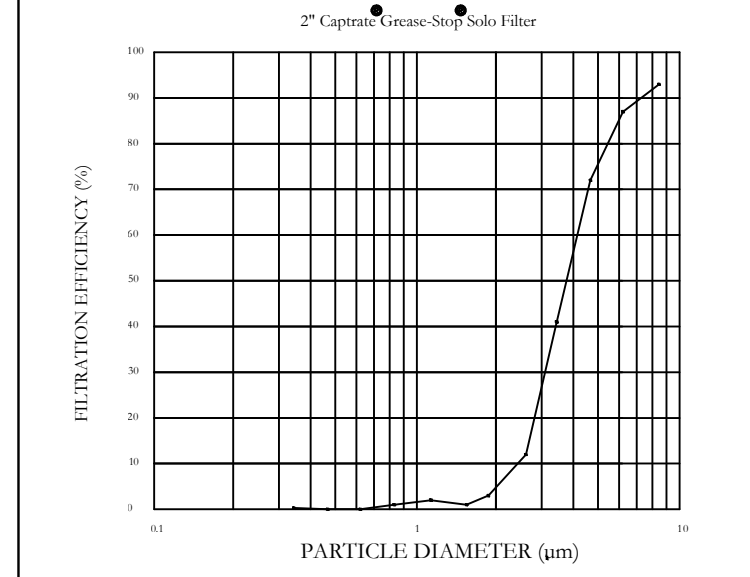
- INSTALLATION**
- ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
 - ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.
 - HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PLANS. ALL OTHER HANGING MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
 - ALL CONNECTIONS FROM CAPTIVE-AIRE HOOD PER MECHANICAL CONTRACTOR'S PLANS.
 - COOKING EQUIPMENT TO SHUT OFF IN EVENT OF FIRE.
 - EXHAUST FANS TO TURN ON IN EVENT OF FIRE.
 - ALL LIGHT FIXTURES SHOWN INSTALLED BY CAPTIVE-AIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES ARE BY ELECTRICAL CONTRACTOR.
 - LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
 - SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
 - INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.

- BALANCE**
- KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.
 - KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.
 - RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.

ADDITIONAL

- WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.
- SHOWN AND APPROVED COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

GENERAL NOTES



CaptiveAire Captrate Solo Filter
 ETL Listed Grease Extracting Filters
 Made From 430 Stainless Steel

FILTER DETAIL

HOOD INFORMATION - JOB#5713056

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL		SP	END TO END
1	FRYER	3650 BD-2	CAPTIVEAIRE	4' 0"	600 DEG	I	HEAVY	175	700	8"	8"	4"	700	1575	-0.574"	430 SS WHERE EXPOSED	ALONE	ALONE
2	FRYER	3650 BD-2	CAPTIVEAIRE	4' 0"	600 DEG	I	HEAVY	175	700	8"	8"	4"	700	1575	-0.574"	430 SS WHERE EXPOSED	ALONE	ALONE
3	GRILL	3650 BD-2	CAPTIVEAIRE	4' 0"	600 DEG	I	HEAVY	175	700	8"	8"	4"	700	1575	-0.574"	430 SS WHERE EXPOSED	ALONE	ALONE
4	GRILL	3650 BD-2	CAPTIVEAIRE	4' 0"	600 DEG	I	HEAVY	175	700	8"	8"	4"	700	1575	-0.574"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

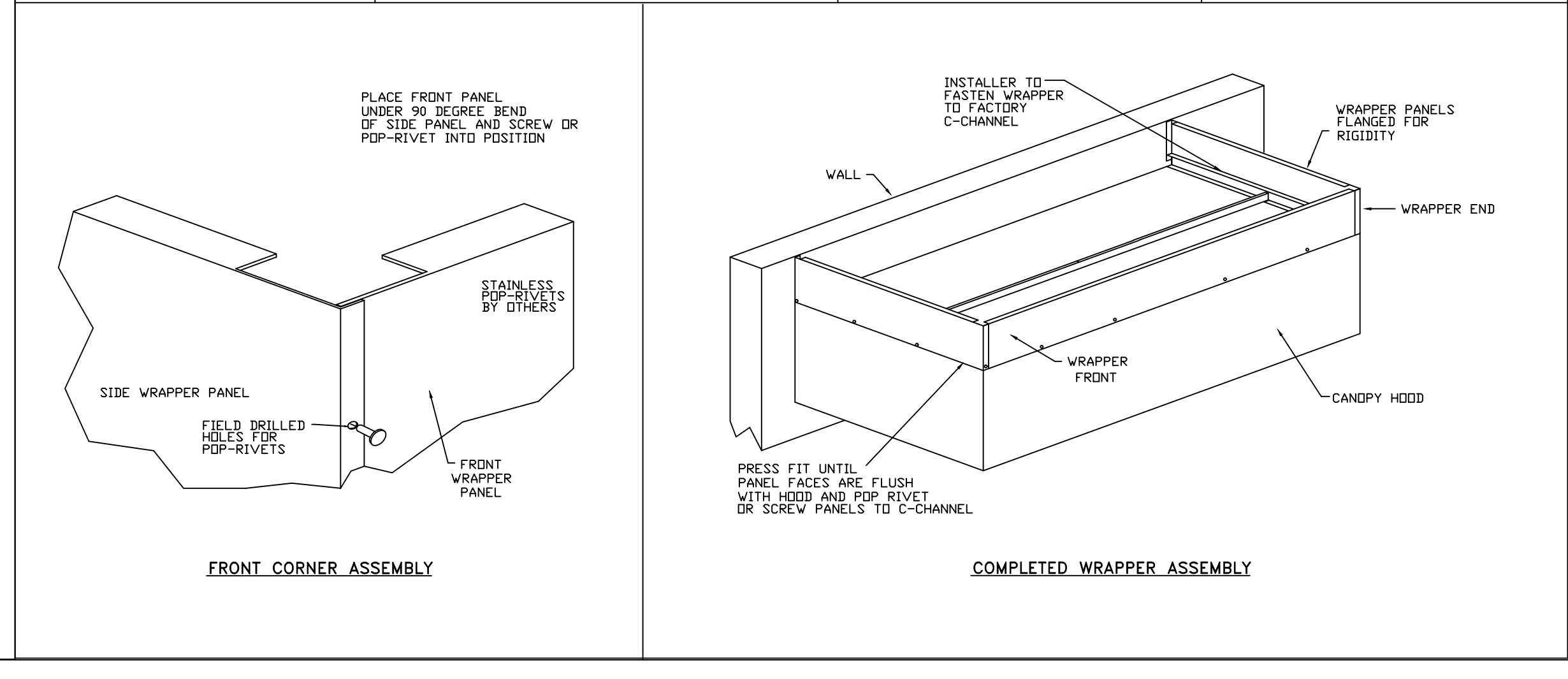
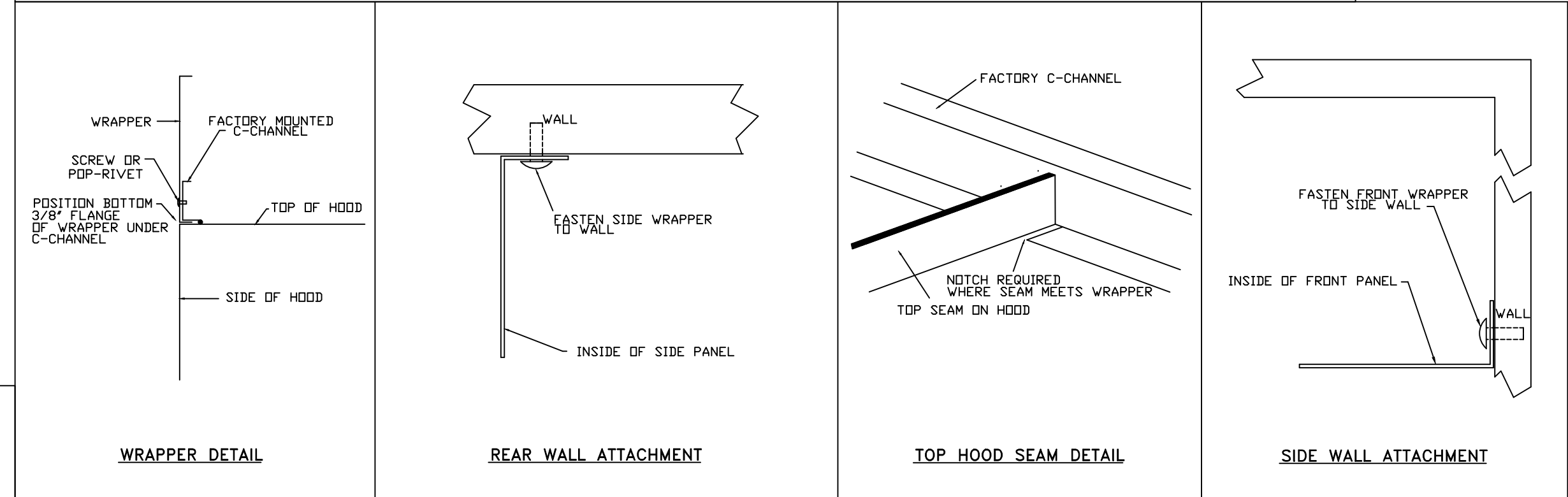
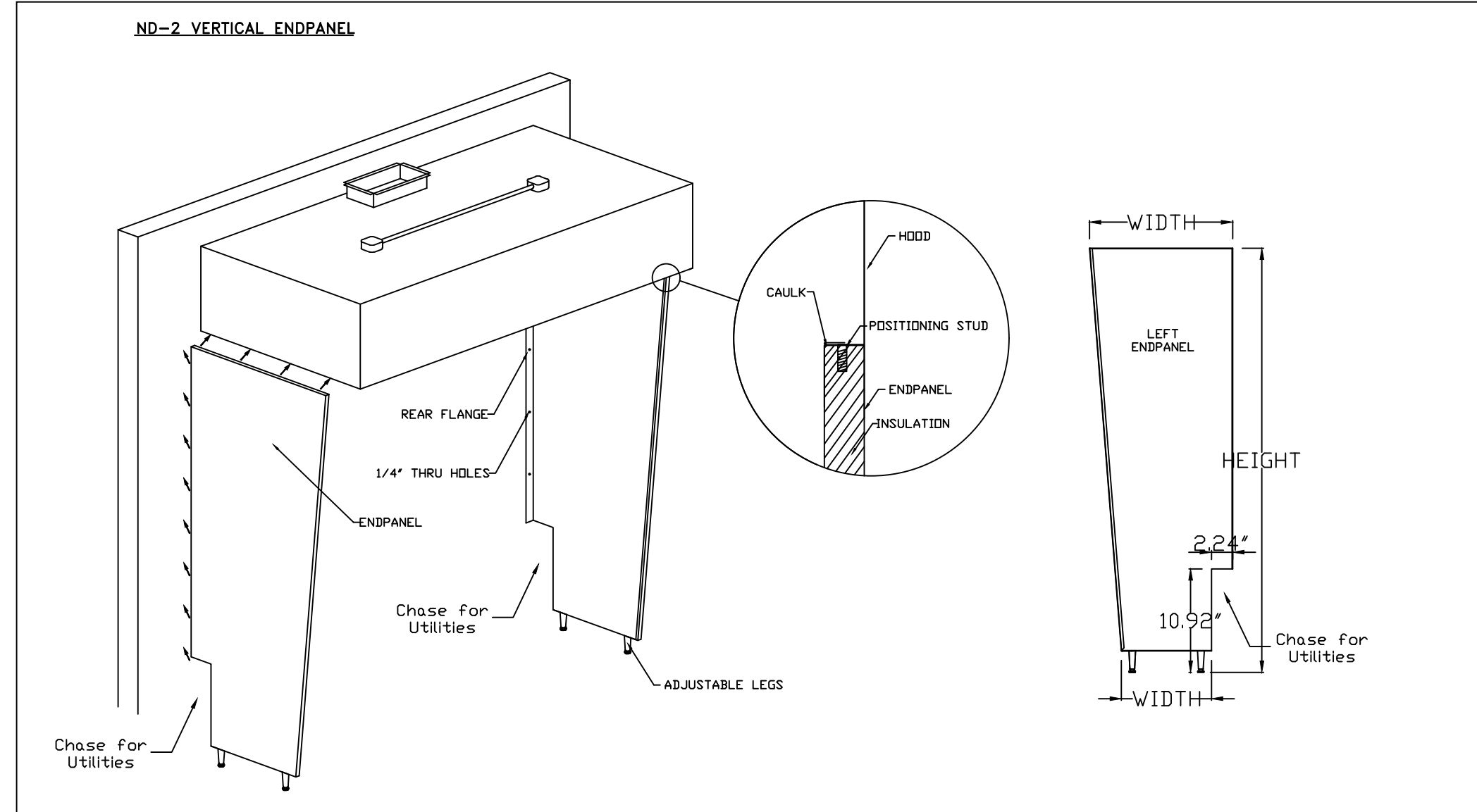
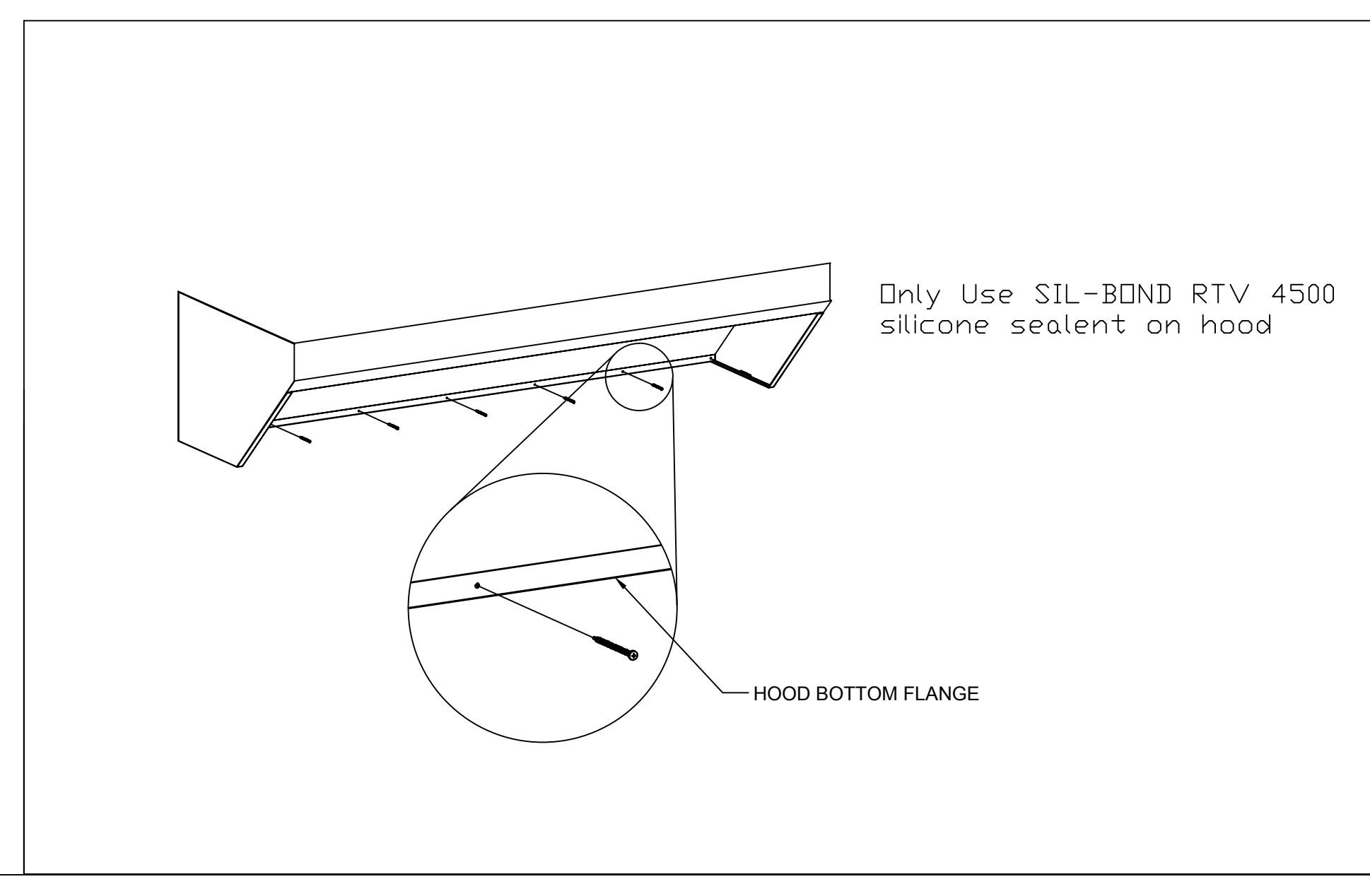
HOOD NO	TAG	TYPE	FILTER(S)			LIGHT(S)			UTILITY CABINET(S)			FIRE SYSTEM	ELECTRICAL	SWITCHES	FIRE SYSTEM HANGING PIPING	HOOD HANGING WEIGHT	
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION/DN	SIZE						TYPE
1	FRYER	CAPTRATE SOLD FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	ND							YES	242 LBS
2	FRYER	CAPTRATE SOLD FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	ND	WALL MNT	12"x36"x24"	TANK FS	4.0/4.0			YES	216 LBS
3	GRILL	CAPTRATE SOLD FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	ND							YES	225 LBS
4	GRILL	CAPTRATE SOLD FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	ND	WALL MNT	12"x36"x24"	TANK FS	4.0/4.0			YES	216 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	FRYER	FIELD WRAPPER 37.00' HIGH FRONT, LEFT, RIGHT. RIGHT QUARTER END PANEL 26" TOP WIDTH, 0" BOTTOM WIDTH, 26" HIGH 430 SS. 1-PINT GREASE CUP. RISER SENSOR INSTALL 6IN PLEN. LEFT VERTICAL END PANEL 26" TOP WIDTH, 26" BOTTOM WIDTH, 61" HIGH INSULATED 430 SS.
2	FRYER	FIELD WRAPPER 37.00' HIGH FRONT, LEFT, RIGHT. RIGHT QUARTER END PANEL 26" TOP WIDTH, 0" BOTTOM WIDTH, 26" HIGH 430 SS. LEFT QUARTER END PANEL 26" TOP WIDTH, 0" BOTTOM WIDTH, 26" HIGH 430 SS. 1-PINT GREASE CUP. RISER SENSOR INSTALL 6IN PLEN.
3	GRILL	FIELD WRAPPER 37.00' HIGH FRONT, LEFT, RIGHT. RIGHT QUARTER END PANEL 26" TOP WIDTH, 0" BOTTOM WIDTH, 26" HIGH 430 SS. 1-PINT GREASE CUP. RISER SENSOR INSTALL 6IN PLEN.
4	GRILL	FIELD WRAPPER 37.00' HIGH FRONT, LEFT, RIGHT. RIGHT QUARTER END PANEL 26" TOP WIDTH, 0" BOTTOM WIDTH, 26" HIGH 430 SS. LEFT QUARTER END PANEL 26" TOP WIDTH, 0" BOTTOM WIDTH, 26" HIGH 430 SS. 1-PINT GREASE CUP. RISER SENSOR INSTALL 6IN PLEN.

WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S)			WEIGHT
			TYPE	SIZE	MODEL #	
2	WALL MNT	12"x36"x24"	TANK FS	4.0/4.0		300.00 LBS
4	WALL MNT	12"x36"x24"	TANK FS	4.0/4.0		300.00 LBS



REVISIONS

DESCRIPTION	DATE

www.captiveaire.com
 Eastern, PA Mechanical
 PO Box 2520, 1 Union Ave, Bala Cynwyd, PA, 19004 PHONE: (267) 594-4126 EMAIL: reg108@captiveaire.com

Shake Shack-1483-Cedar Park, TX(Kitchen)R2
 CEDAR PARK, TX, 78613

DATE: 11/2/2022
 DWG.#: 5713056
 DRAWN BY: Joe.shiiba
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING
 SHEET NO. 1

zebra
 ZEBRA PROJECTS, INC.
 1464 N KIERLAND BLVD, SUITE N500
 SCOTTSDALE, ARIZONA, 85254
 PHONE: 480.912.1169 zbr-global

CONSULTANT LOGO

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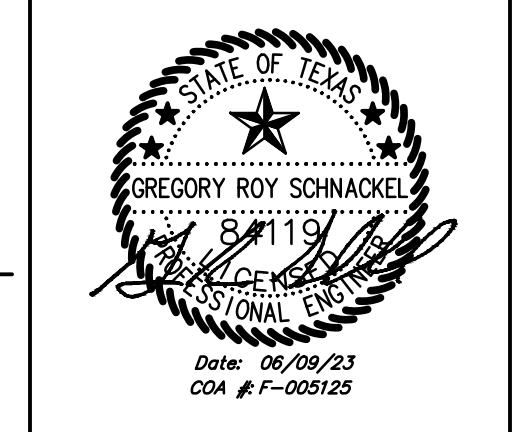
STORE NO: TX 1483

186 EAST WINTERCREEK BLVD
 CEDAR PARK, TX 78613

REVISION

DATE	DESCRIPTION
04/21/2023	REVISION 1
06/09/2023	REVISION 2

STATUS: IFC SET



FIELD VERIFICATION:
 The contractor shall verify all figured dimensions and conditions on the project site and notify Zebra Projects, Inc. of any dimensional errors, or omissions or discrepancies before beginning or fabricating any work. Do not scale these drawings.

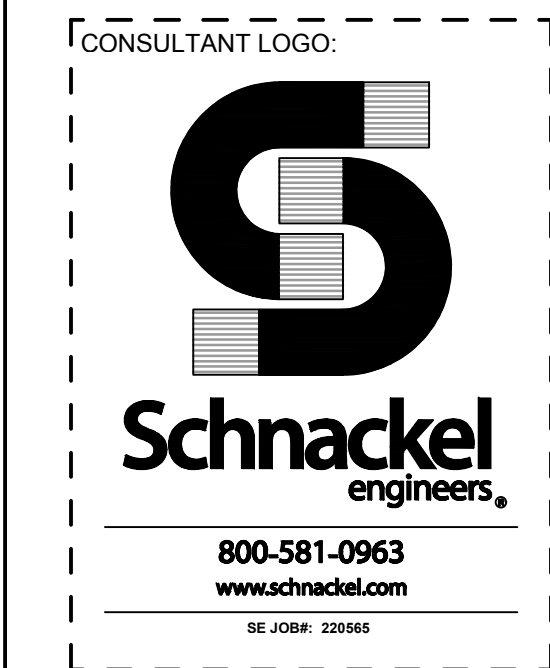
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SHEET NAME: CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023 PROJECT NO: 35985

DRAWN: RAS SCALE: AS NOTED

SHEET NO: M701

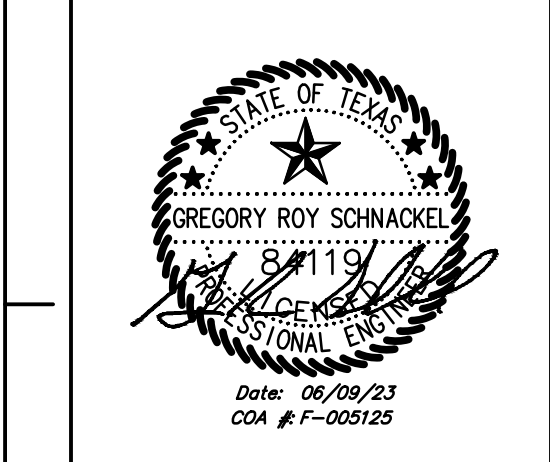


STORE NO:
TX 1483



REVISION	
DATE	DESCRIPTION
04/21/2023	REVISION 1
06/09/2023	REVISION 2

STATUS:
IFC SET



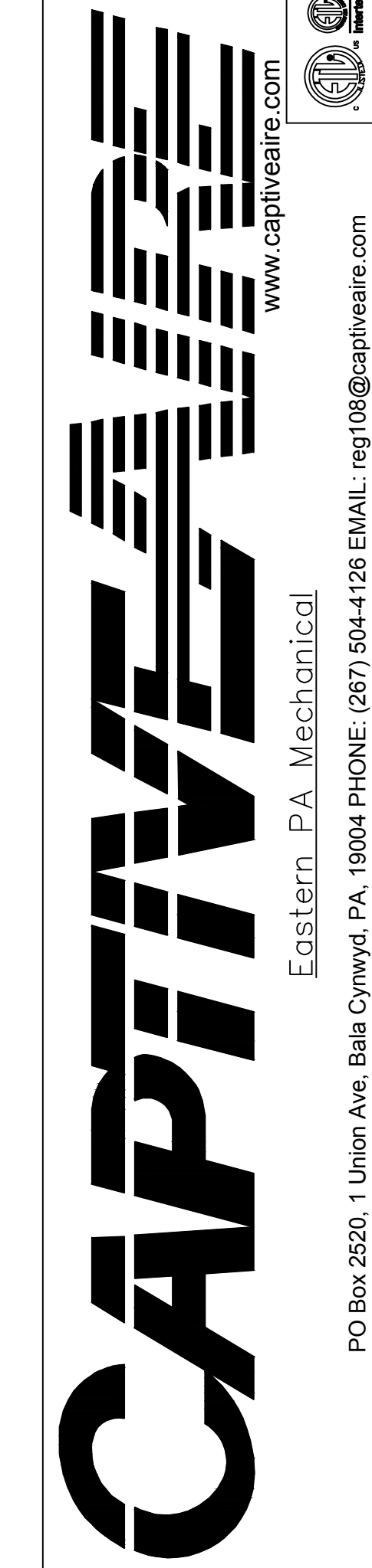
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SHEET NAME:
CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023	PROJECT NO: 35985
DRAWN: RAS	SCALE: AS NOTED

SHEET NO:
M702

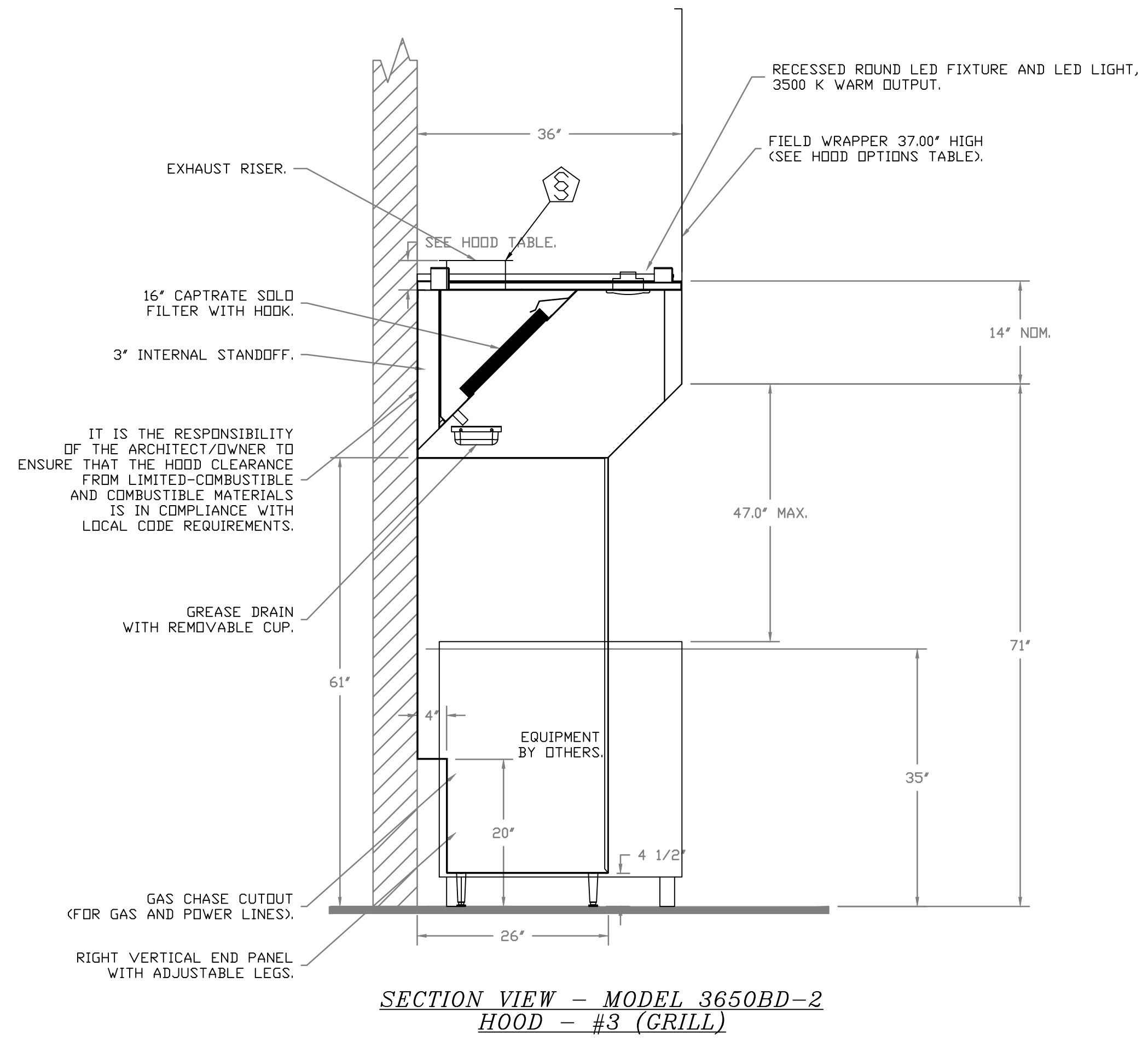
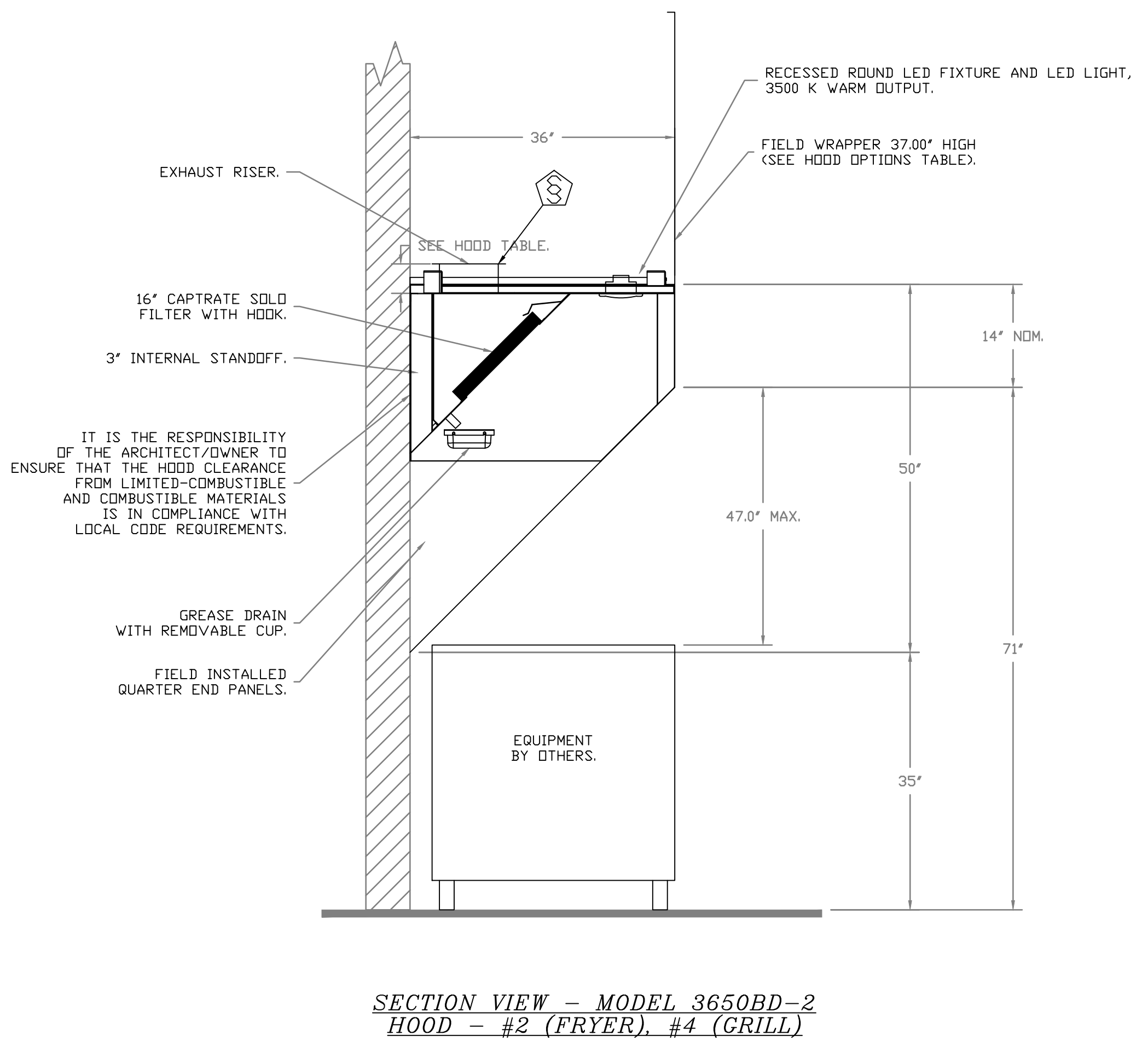
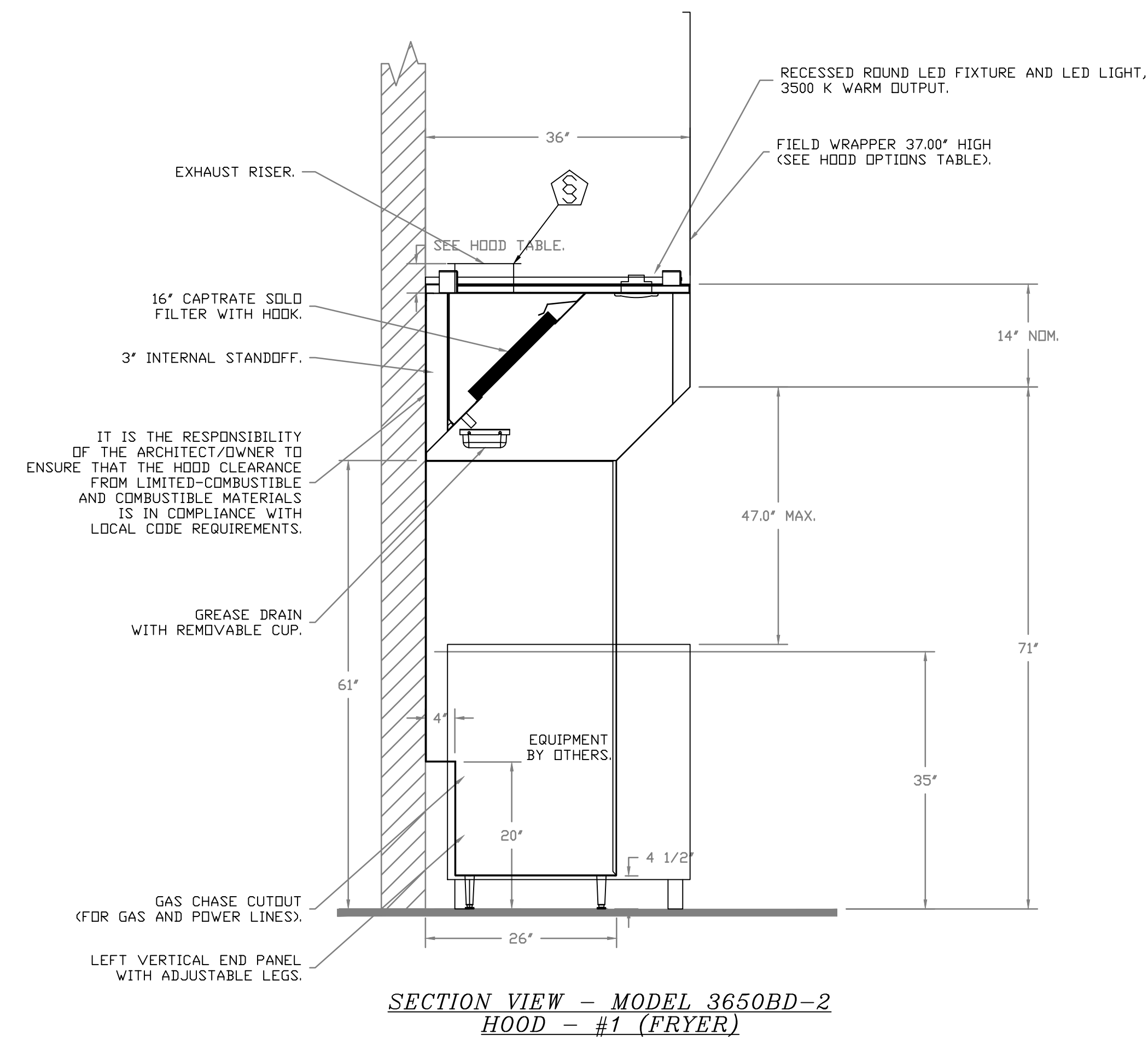
REVISIONS	
DESCRIPTION	DATE



Shake Shack-1483-Cedar Park, TX(Kitchen)R2
CEDAR PARK, TX, 78613

DATE: 11/2/2022
DWG.#:
5713056
DRAWN
By: Joe.shiiba
SCALE:
3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
2



E
D
C
B
A

6 5 4 3 2 1

6 5 4 3 2 1

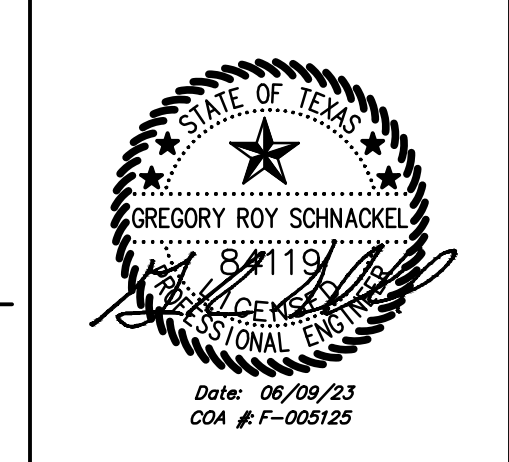


STORE NO:
TX 1483



REVISION	
DATE	DESCRIPTION
04/21/2023	REVISION 1
06/09/2023	REVISION 2

STATUS:
IFC SET



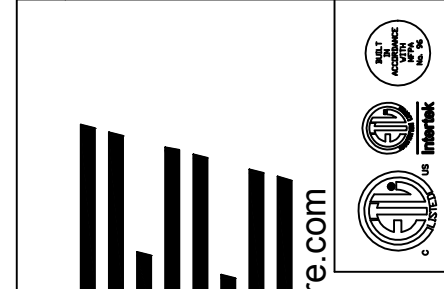
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SHEET NAME:
CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023	PROJECT NO: 35985
DRAWN: RAS	SCALE: AS NOTED

SHEET NO:
M703

REVISIONS	
DESCRIPTION	DATE



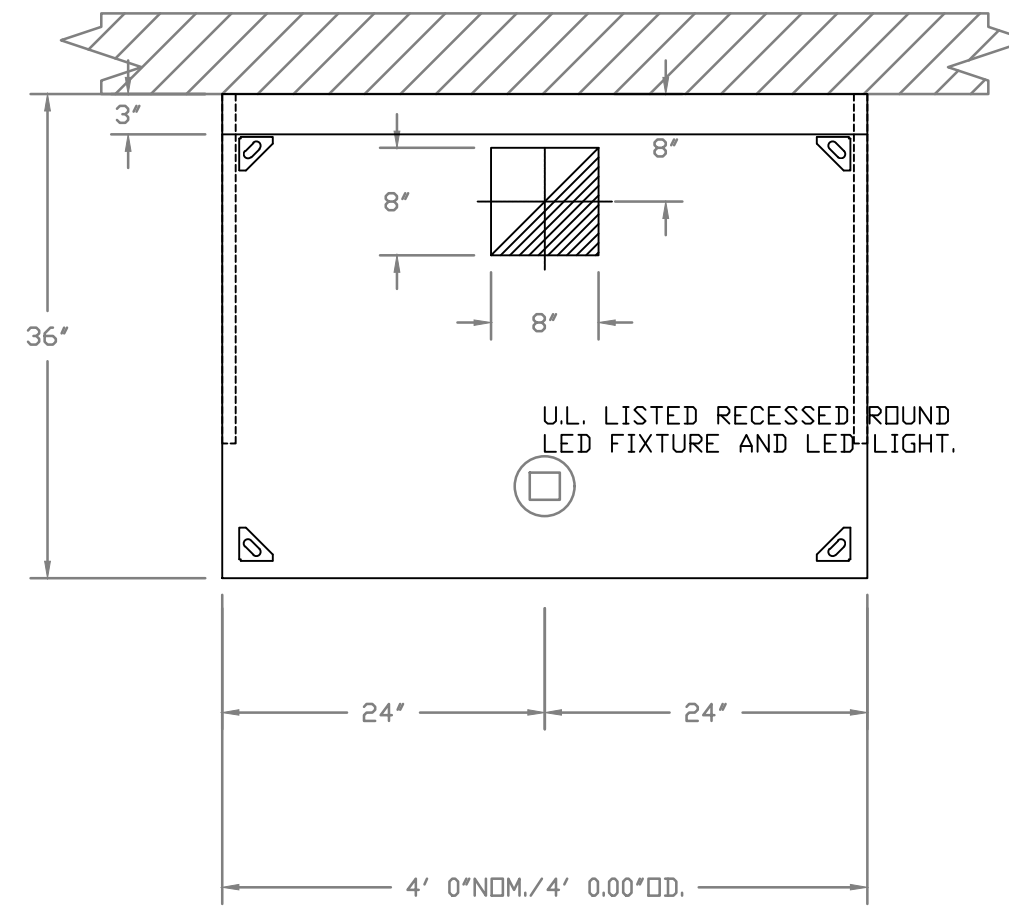
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CAPTIVEAIRE
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PO Box 2520, 1 Union Ave, Bala Cynwyd, PA, 19004 PHONE: (267) 504-4126 EMAIL: reg.10@captivaire.com

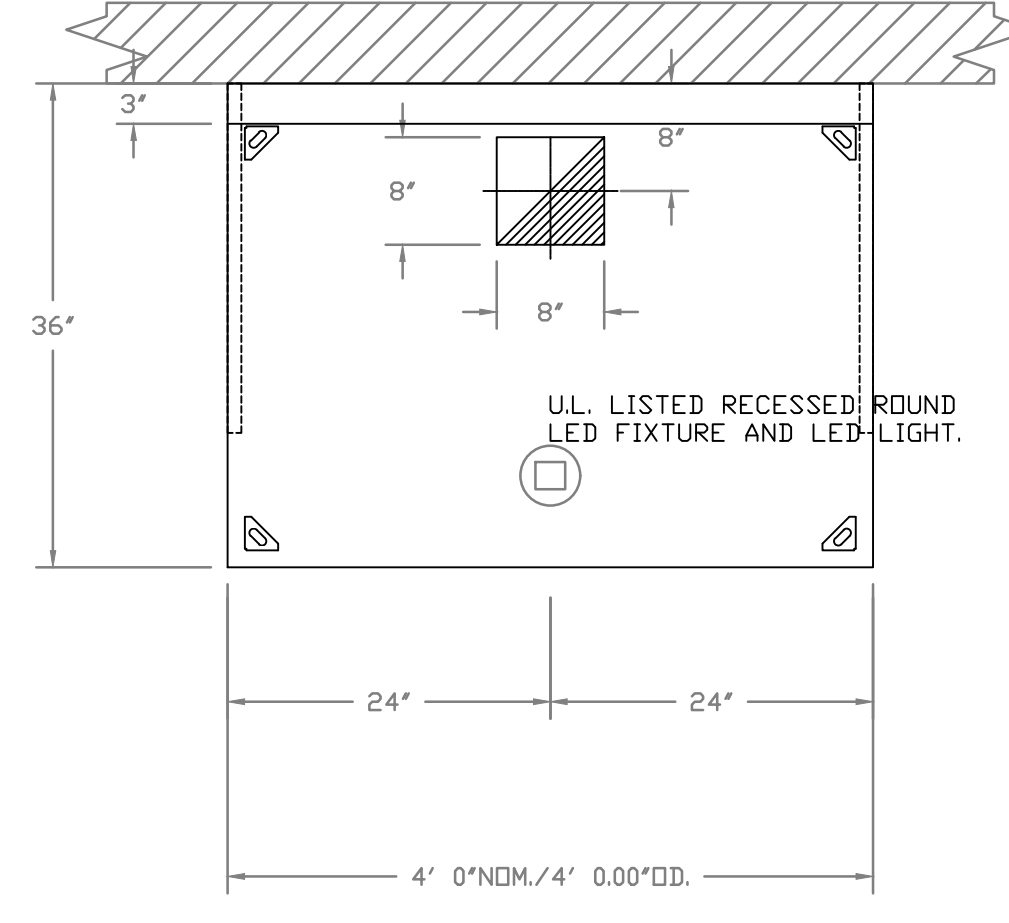
Shake Shack-1483-Cedar Park, TX(Kitchen)R2
CEDAR PARK, TX, 78613

DATE: 11/2/2022
DWG.#: 5713056
DRAWN BY: Joe.shilba
SCALE: 3/4" = 1'-0"
MASTER DRAWING

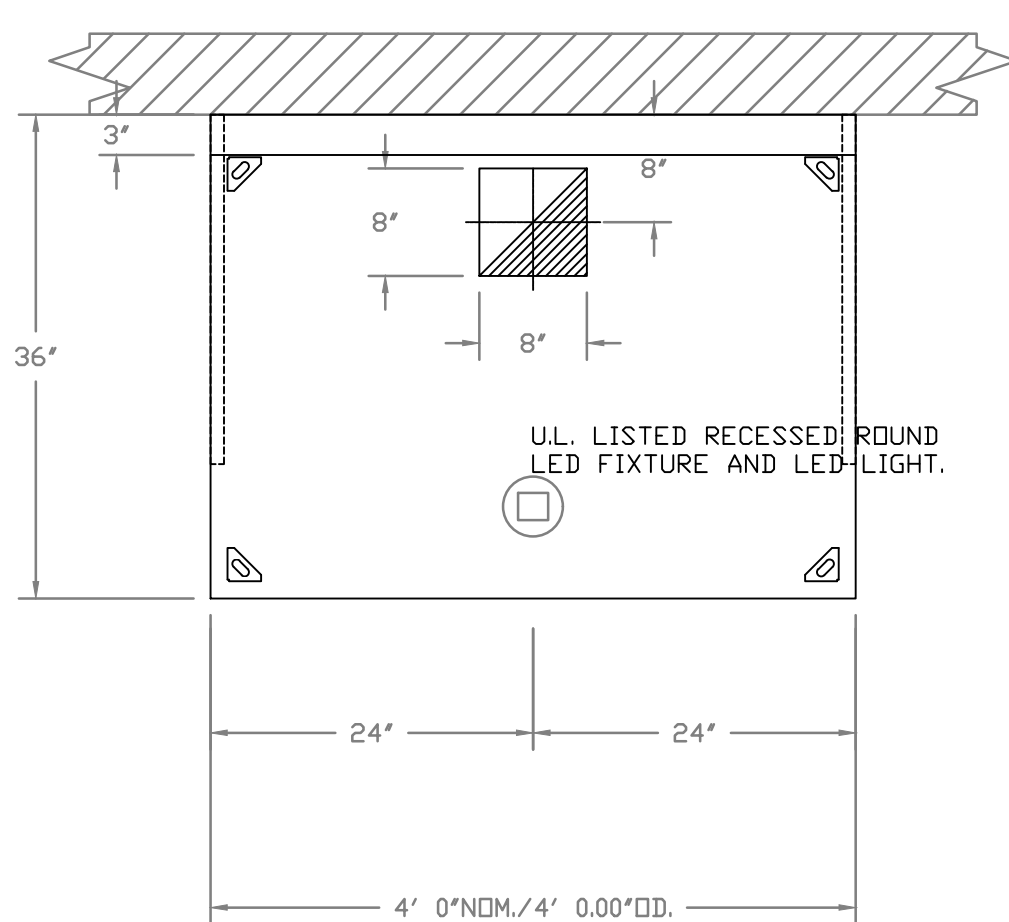
SHEET NO.
3



PLAN VIEW - HOOD #1 (FRYER)
4' 0.00" LONG 3650BD-2



PLAN VIEW - HOOD #3 (GRILL)
4' 0.00" LONG 3650BD-2



PLAN VIEW - HOOD #2 (FRYER), #4 (GRILL)
4' 0.00" LONG 3650BD-2

E
D
C
B
A

6 5 4 3 2 1

6 5 4 3 2 1

FIRE SYSTEM INFORMATION - JOB#5713056

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	32	WALL UTILITY CABINET LEFT	N/A
2		TANK FS	4.0/4.0	32	WALL UTILITY CABINET LEFT	N/A

GAS VALVE(S)

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

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST	
1		0 - 0 - TANK FIRE SUPPRESSION PDST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0	
		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0	
		0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. ND, CLOSE ON TEMP RISE AT 360°F.	2	0	
		0 - 0 - 361091 3/8" BRASS PLUG.	5	0	
		0 - 0 - 79425 3/8" NPT FEMALE TO 1/2" MALE PROGRESS ADAPTER.	5	0	
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	1	0	
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5' BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	1	0	
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	2	0	
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0	
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8	0	
		0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	6	0	
		0 - 0 - 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	8	0	
		0 - 0 - 986944115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	4	0	
		0 - 0 - A0034332 JUNCTION BDX FOR MANUAL PULL STATION, 1.5" DEEP BACK BDX, RED COLOR.	1	0	
		0 - 0 - B1145 3/8" BLACK IRON 90 ELL.	4	0	
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0	
		0 - 0 - SLPCDN-30FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UP TO 19" GAP. KIT CONTAINS 22 FEET OF BLACK MG WIRE, 22 FEET OF TAN MG WIRE, 20 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	3	0	
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	6	0	
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0	
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	2	0	
		16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	8	0	
		16 - 16 - DL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE)- 4 FLOW POINTS.	8	0	
		26 - 26 - OSA-3/8 QUIK SEAL - 3/8" (UL).	8	0	
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT, RED COLOR.	1	0	
	2		0 - 0 - TANK FIRE SUPPRESSION PDST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
			0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
			0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. ND, CLOSE ON TEMP RISE AT 360°F.	2	0
		0 - 0 - 361091 3/8" BRASS PLUG.	5	0	
		0 - 0 - 79425 3/8" NPT FEMALE TO 1/2" MALE PROGRESS ADAPTER.	5	0	
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	1	0	
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5' BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	1	0	
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	2	0	
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0	
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8	0	
		0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	6	0	
		0 - 0 - 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	8	0	
		0 - 0 - 986944115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	4	0	
		0 - 0 - A0034332 JUNCTION BDX FOR MANUAL PULL STATION, 1.5" DEEP BACK BDX, RED COLOR.	1	0	
		0 - 0 - B1145 3/8" BLACK IRON 90 ELL.	4	0	
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0	
		0 - 0 - SLPCDN-30FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UP TO 29" GAP. KIT CONTAINS 32 FEET OF BLACK MG WIRE, 32 FEET OF TAN MG WIRE, 30 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	4	0	
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	6	0	
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0	
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	2	0	
		16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	8	0	
		16 - 16 - DL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE)- 4 FLOW POINTS.	8	0	
		26 - 26 - OSA-3/8 QUIK SEAL - 3/8" (UL).	8	0	
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT, RED COLOR.	1	0	

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" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS.
- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 5713056.

JOB NAME: SHAKE SHACK-1483-CEDAR PARK, TX(KITCHEN)R2.

SYSTEM SIZE: TANK-SP-2-WC TOTAL FP REQUIRED: 32.
 HOOD # 1 4' 0.00" LONG x 36" WIDE x 50" HIGH.
 RISER # 1 SIZE: 8" x 8".
 HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.
 HOOD # 4 4' 0.00" LONG x 36" WIDE x 50" HIGH.
 RISER # 1 SIZE: 8" x 8".
 HOOD # 4 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

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

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" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS.

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

JOB #: 5713056.

JOB NAME: SHAKE SHACK-1483-CEDAR PARK, TX(KITCHEN)R2.

SYSTEM SIZE: TANK-SP-2-WC TOTAL FP REQUIRED: 32.
 HOOD # 2 4' 0.00" LONG x 36" WIDE x 50" HIGH.
 RISER # 1 SIZE: 8" x 8".
 HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.
 HOOD # 3 4' 0.00" LONG x 36" WIDE x 50" HIGH.
 RISER # 1 SIZE: 8" x 8".
 HOOD # 3 METAL BLOW-OFF CAPS INCLUDED.

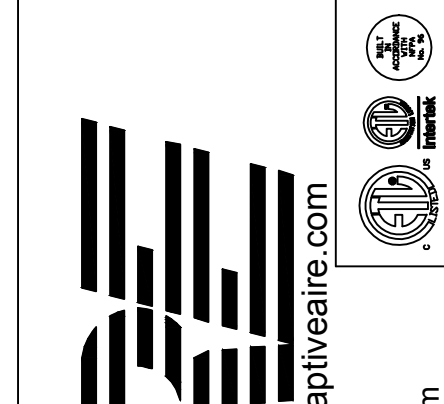
- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

LEGEND - FIRE CABINET TANK SYSTEM

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

REVISIONS

NO.	DESCRIPTION	DATE
1		
2		



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Shake Shack-1483-Cedar Park, TX(Kitchen)R2
 CEDAR PARK, TX, 78613

DATE: 11/2/2022

DWG.# 5713056

DRAWN BY: Joe.shilba

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

MASTER DRAWING

SHEET NO. 4



CONSULTANT LOGO

 800-581-0963
 www.schnackel.com

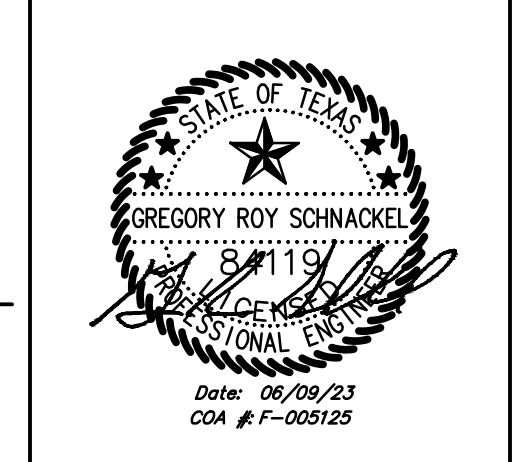
STORE NO: TX 1483



REVISION

NO.	DATE	DESCRIPTION
1	04/21/2023	REVISION 1
2	06/09/2023	REVISION 2

STATUS: IFC SET



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SHEET NAME: CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023	PROJECT NO: 35985
DRAWN: RAS	SCALE: AS NOTED

SHEET NO: M704

EXHAUST FAN INFORMATION - JOB#5713056

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-3	1	DU50HFA	CAPTIVEAIRE	700	1.250	1549	TEAD-ECM	0.500	0.3840	1	208	3.8	266 FPM	82	16.7
2	KEF-4	1	DU50HFA	CAPTIVEAIRE	700	1.250	1549	TEAD-ECM	0.500	0.3840	1	208	3.8	266 FPM	82	16.7
3	KEF-1	1	DU50HFA	CAPTIVEAIRE	700	1.250	1549	TEAD-ECM	0.500	0.3840	1	208	3.8	266 FPM	82	16.7
4	KEF-2	1	DU50HFA	CAPTIVEAIRE	700	1.250	1549	TEAD-ECM	0.500	0.3840	1	208	3.8	266 FPM	82	16.7

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-3	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMD3 PREWIRE (TELCD MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
2	KEF-4	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMD3 PREWIRE (TELCD MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
3	KEF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMD3 PREWIRE (TELCD MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
4	KEF-2	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMD3 PREWIRE (TELCD MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

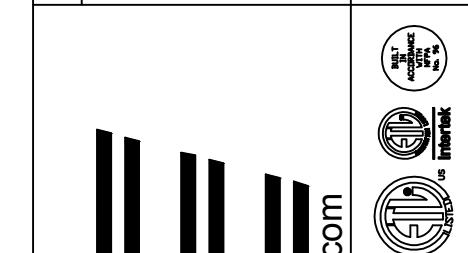
FAN UNIT NO	TAG	EXHAUST				SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT	
1	KEF-3	YES							
2	KEF-4	YES							
3	KEF-1	YES							
4	KEF-2	YES							

CURB ASSEMBLIES

NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-3	34 LBS	CURB	19.500"W X 19.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	KEF-4	34 LBS	CURB	19.500"W X 19.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	KEF-1	34 LBS	CURB	19.500"W X 19.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.
4	# 4	KEF-2	34 LBS	CURB	19.500"W X 19.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.

REVISIONS

DESCRIPTION	DATE



CAPTIVE AIR
 Eastern, PA Mechanical
 PO Box 2520, 1 Union Ave, Bala Cynwyd, PA, 19004 PHONE: (267) 504-4126 EMAIL: reg.108@captiveaire.com

Shake Shack-1483-Cedar Park, TX(Kitchen)R2
 CEDAR PARK, TX, 78613

DATE: 11/2/2022

DWG.#: 5713056

DRAWN BY: Joe.shilba

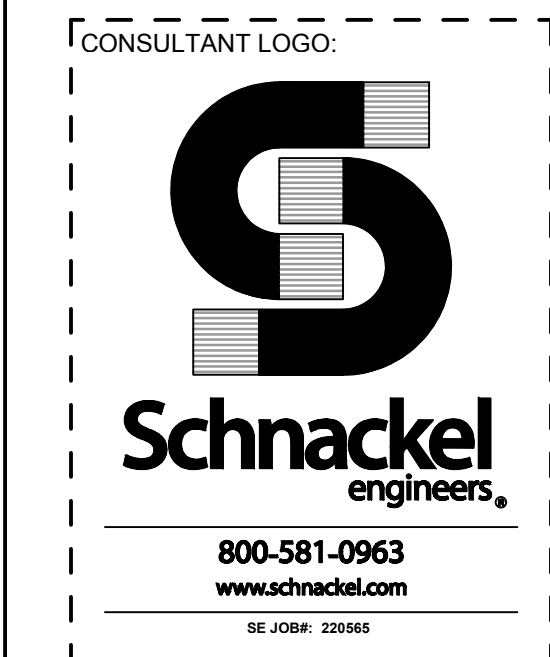
SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 5



ZEBRA PROJECTS, INC.
 1464 N KIERLAND BLVD, SUITE N500
 SCOTTSDALE, ARIZONA 85254
 PHONE: 480.912.1169 zbr.global



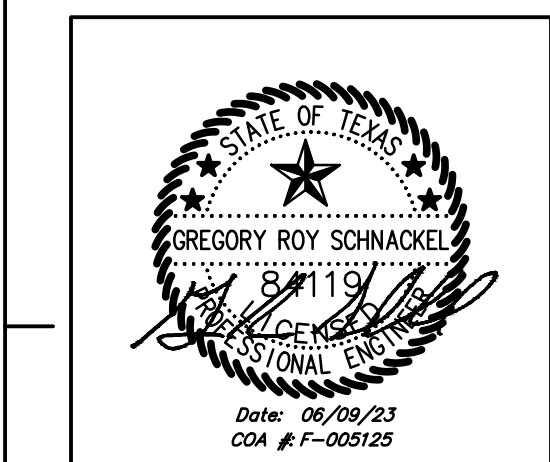
STORE NO: TX 1483



REVISION

NO	DATE	DESCRIPTION
1	04/21/2023	REVISION 1
2	06/09/2023	REVISION 2

STATUS: IFC SET



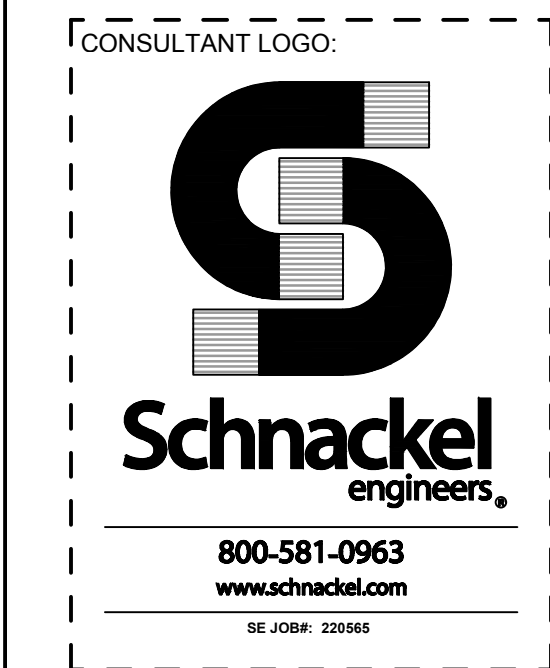
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SHEET NAME: CAPTIVEAIRE DRAWINGS

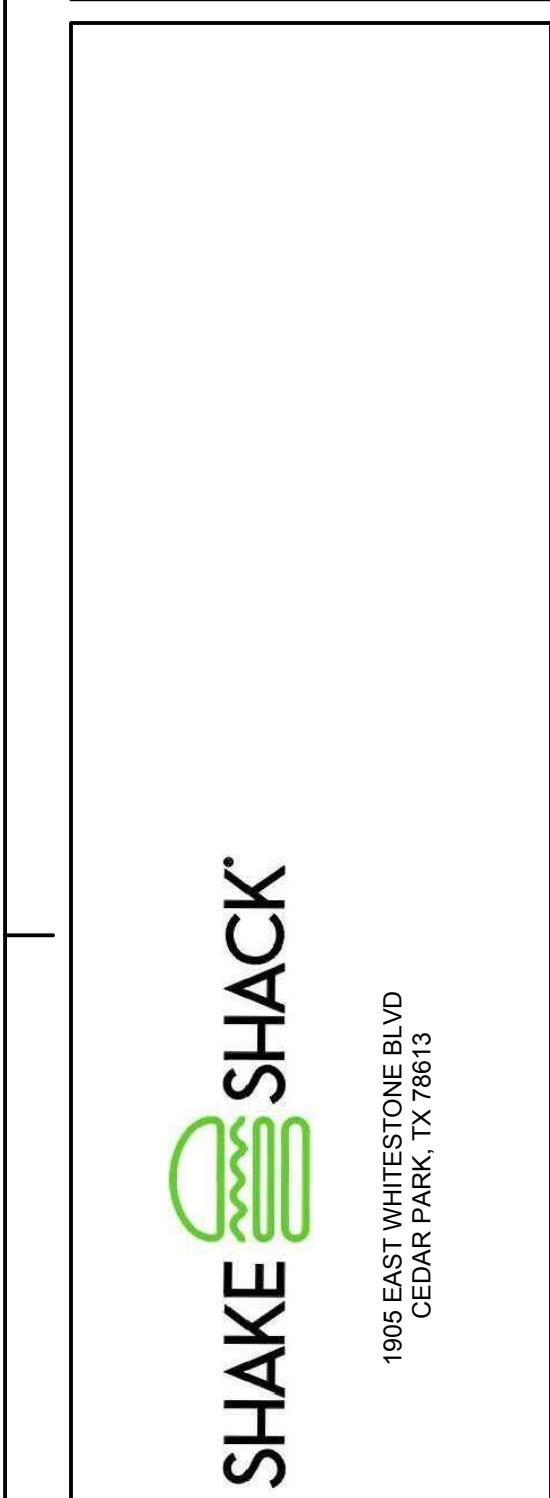
DATE: 04/21/2023 PROJECT NO: 35985

DRAWN: RAS SCALE: AS NOTED

SHEET NO: M705

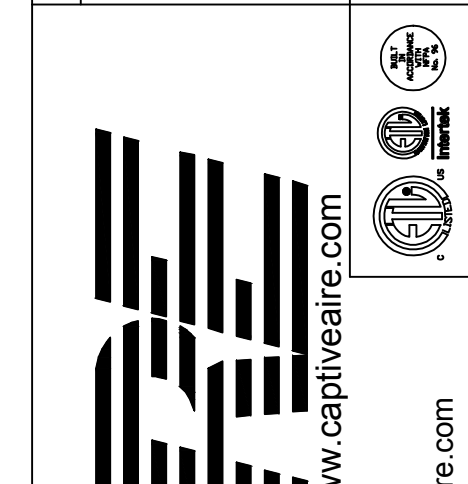


STORE NO: TX 1483



REVISIONS

DESCRIPTION	DATE



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Shake Shack-1483-Cedar Park, TX(Kitchen)R2
CEDAR PARK, TX, 78613

DATE: 11/2/2022
DWG.#: 5713056
DRAWN BY: Joe.shiiba
SCALE: 3/4" = 1'-0"
MASTER DRAWING

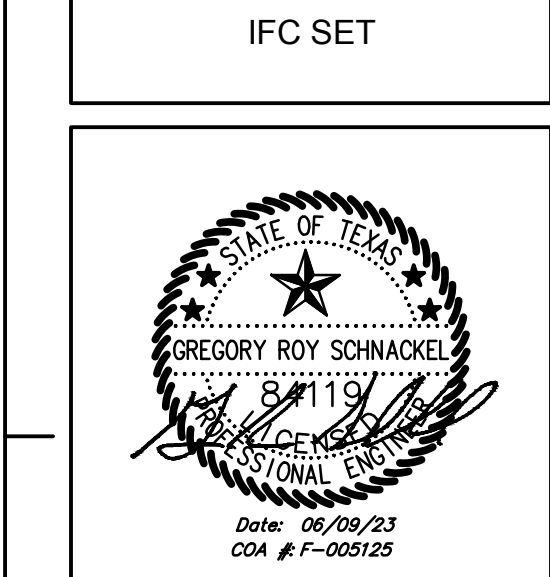
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REVISION

DATE	DESCRIPTION
04/21/2023	REVISION 1
06/09/2023	REVISION 2

STATUS:

IFC SET



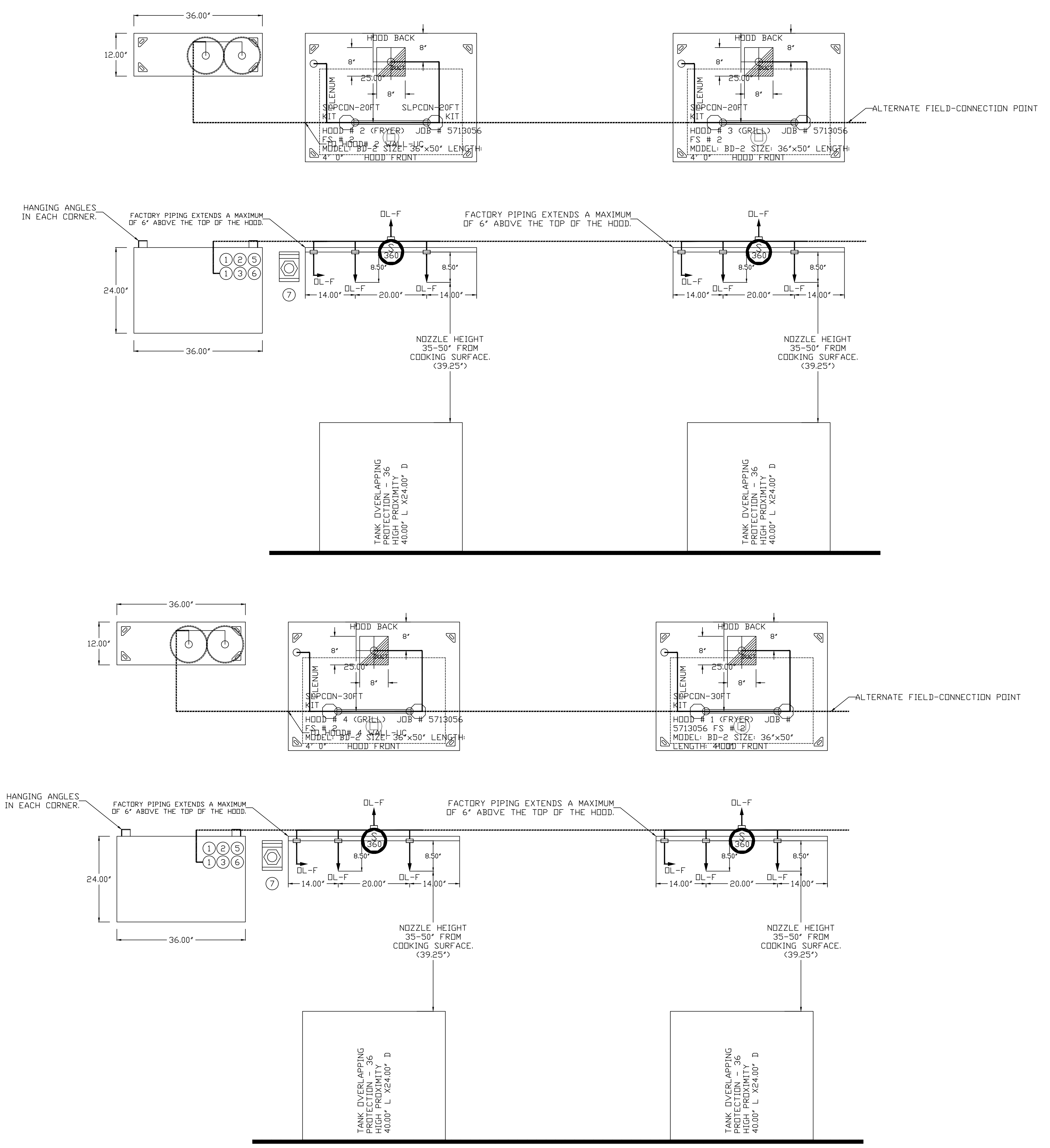
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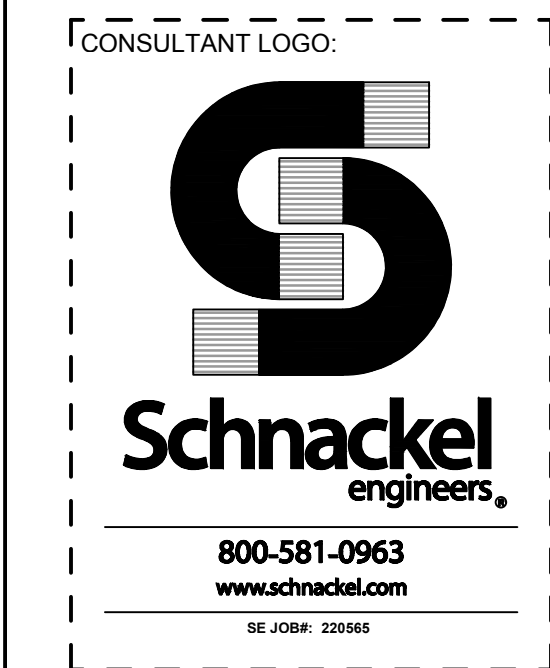
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CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023	PROJECT NO: 35985
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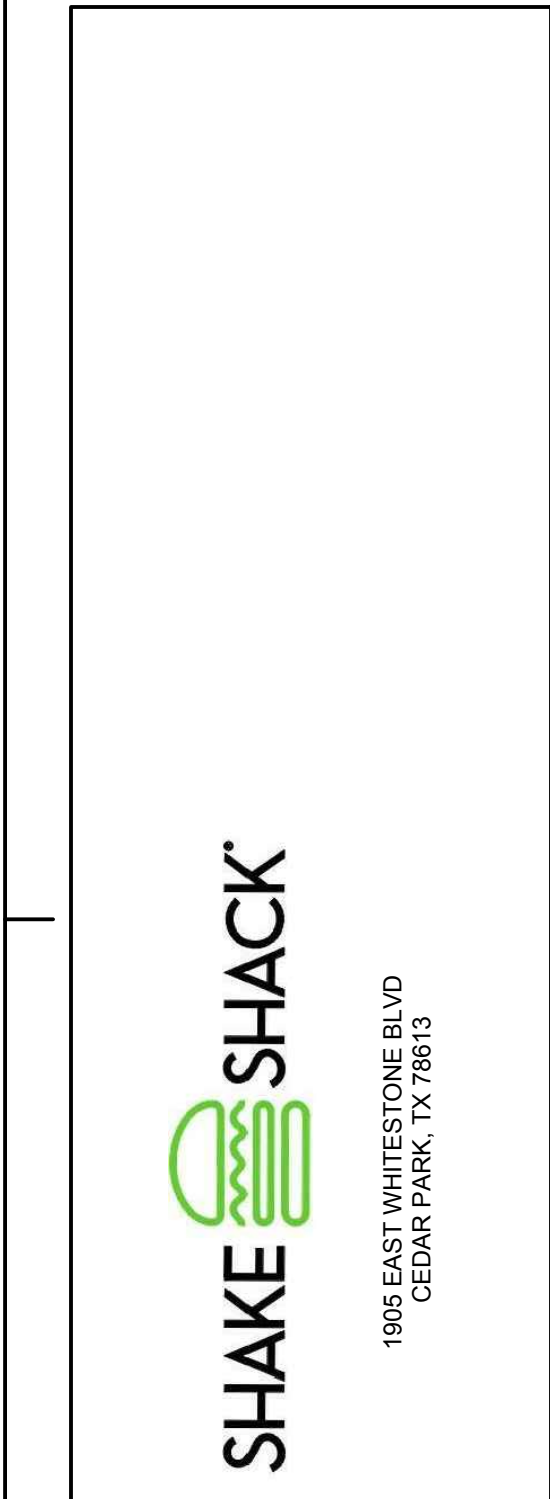
DRAWN: RAS	SCALE: AS NOTED
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SHEET NO:
M706





STORE NO: TX 1483



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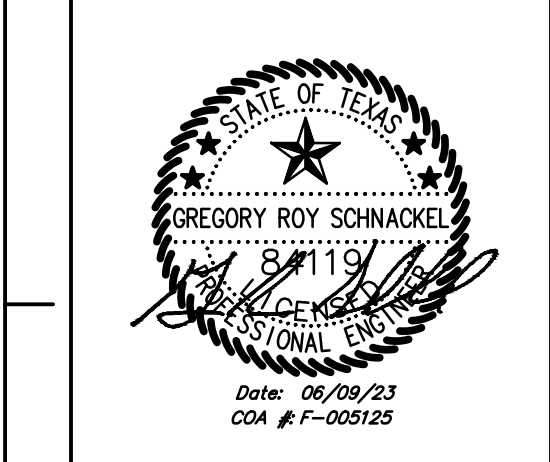
Shake Shack-1483-Cedar Park, TX Kitchen R2
CEDAR PARK, TX, 78613

DATE: 11/2/2022
DWG.#: 5713056
DRAWN BY: Joe.shiiba
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 7

REVISION	
DATE	DESCRIPTION
04/21/2023	REVISION 1
06/09/2023	REVISION 2

STATUS: IFC SET



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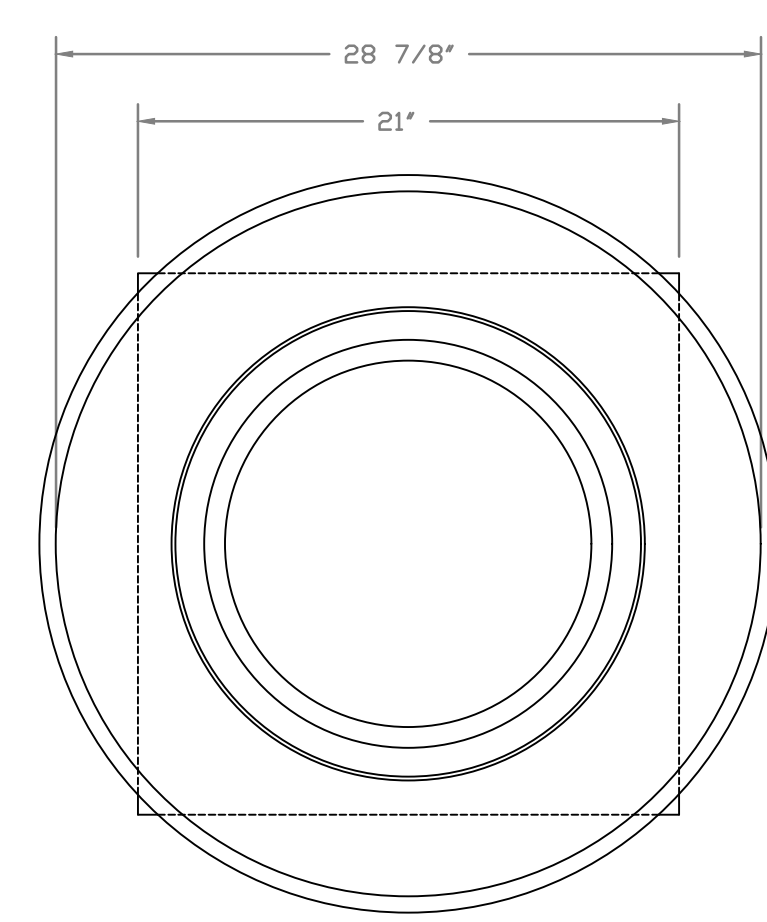
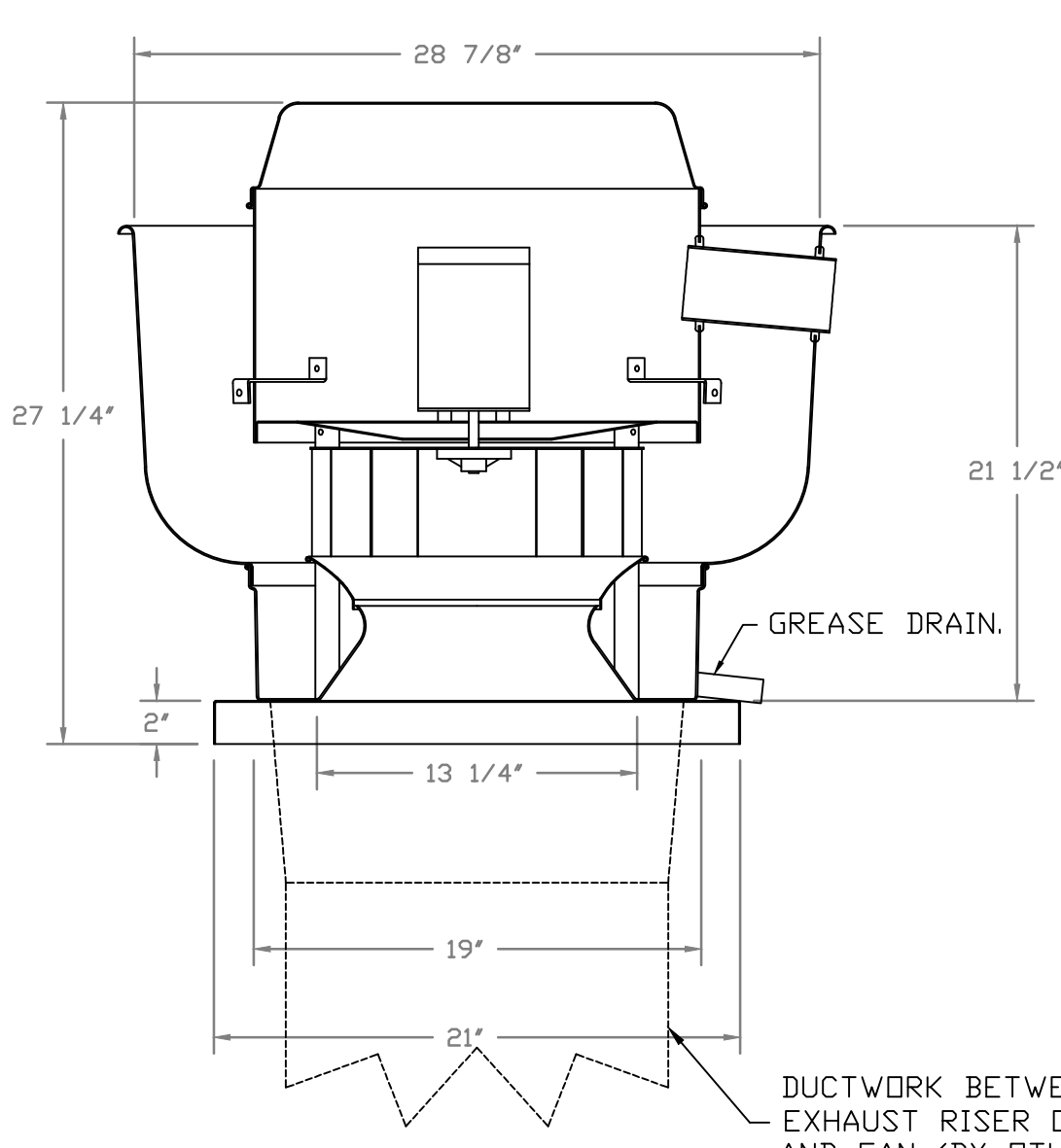
SHEET NAME: CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023 PROJECT NO: 35985

DRAWN: RAS SCALE: AS NOTED

SHEET NO: M707

FANS #1 (KEF-3), #2 (KEF-4), #3 (KEF-1), #4 (KEF-2) - DU50HFA EXHAUST FAN



TOP VIEW

FEATURES:

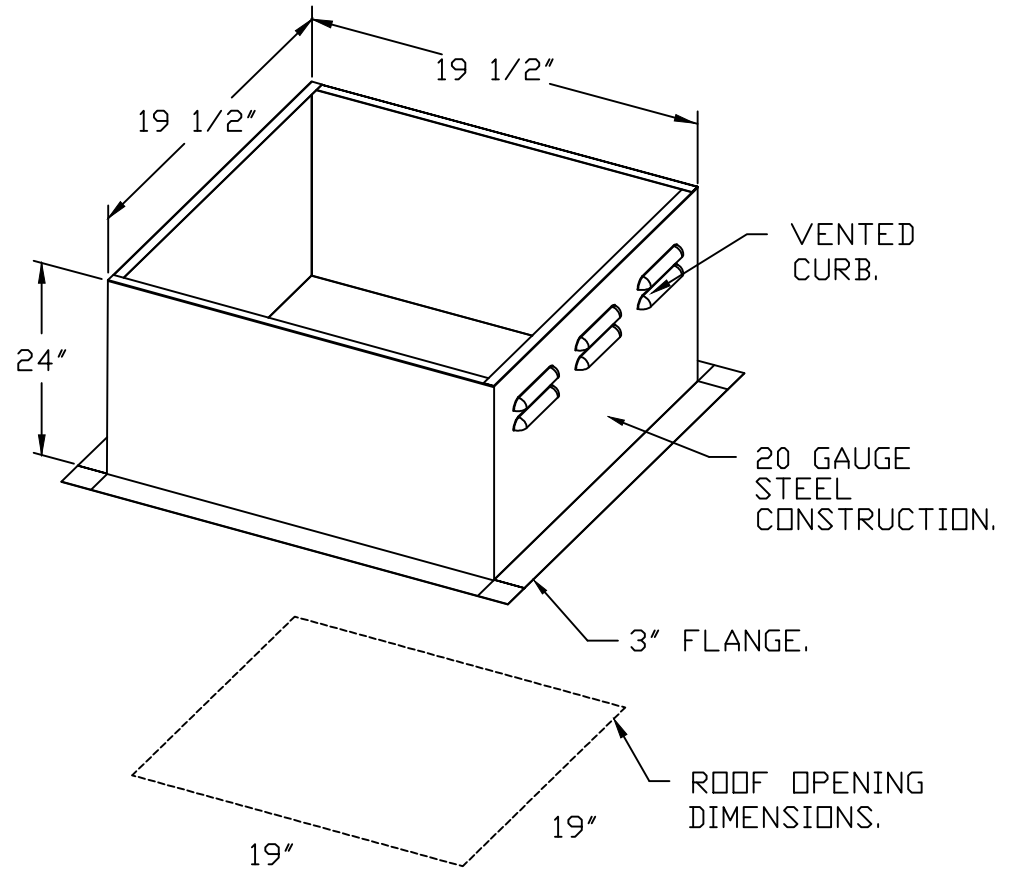
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTRL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

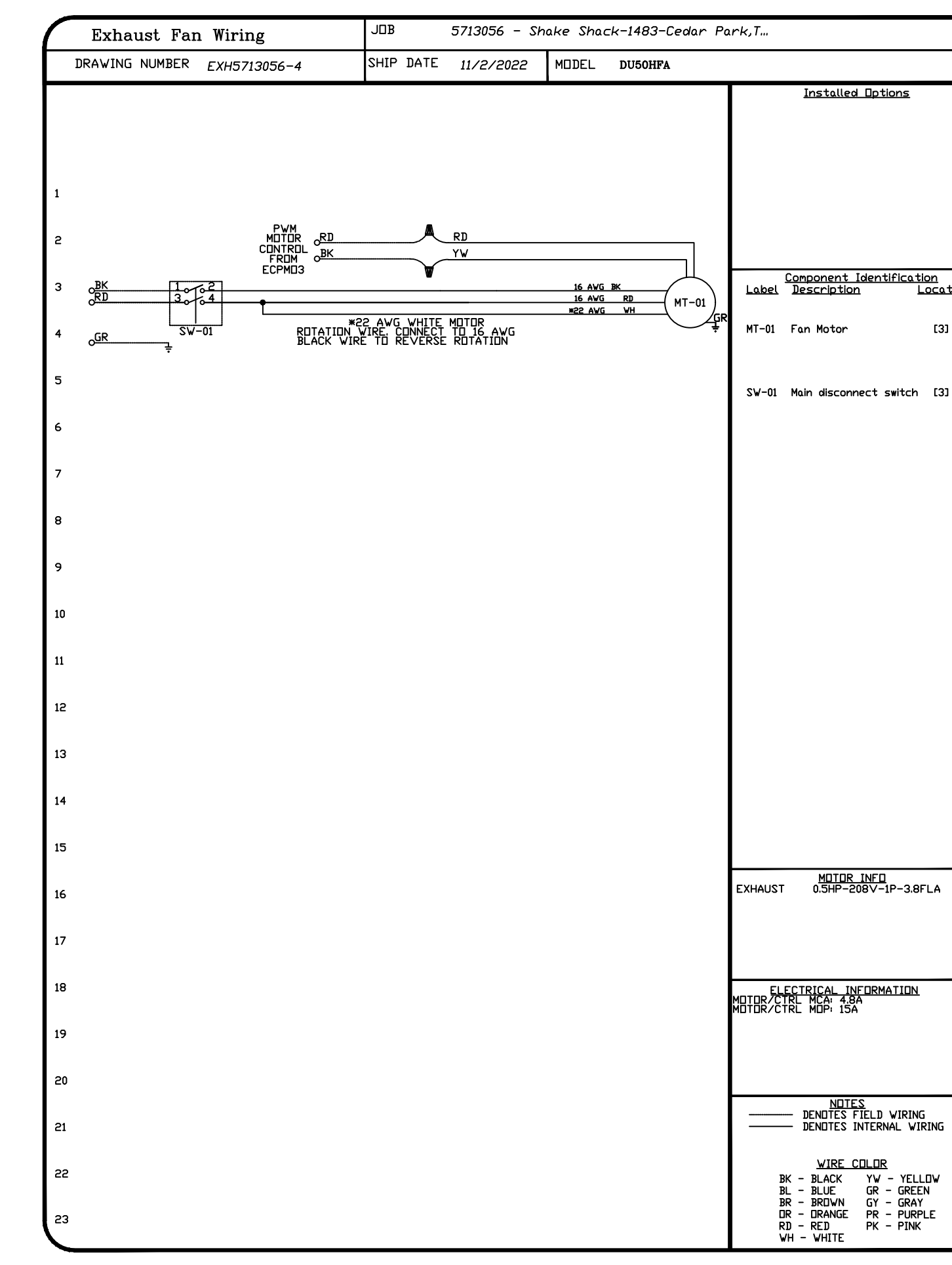
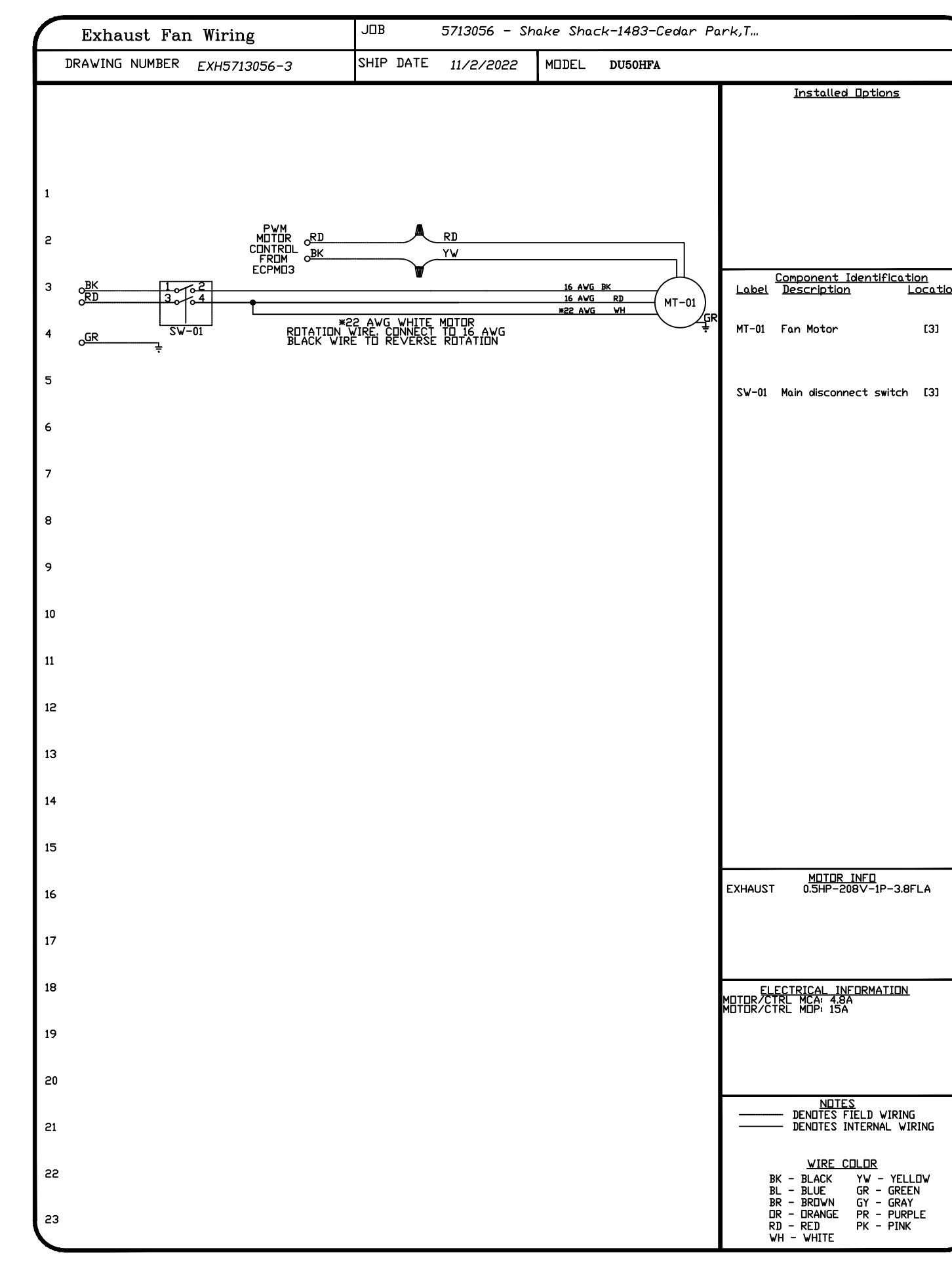
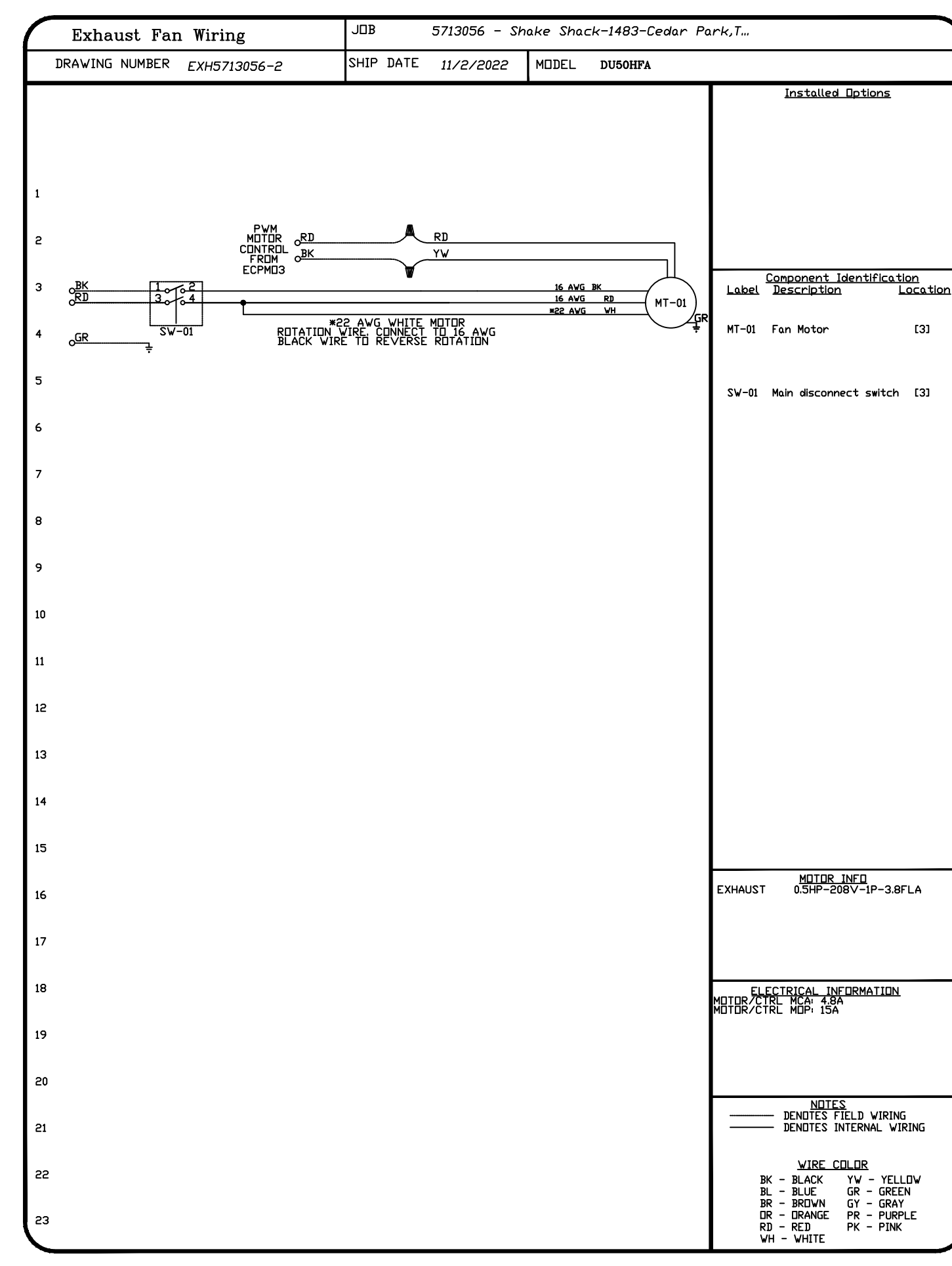
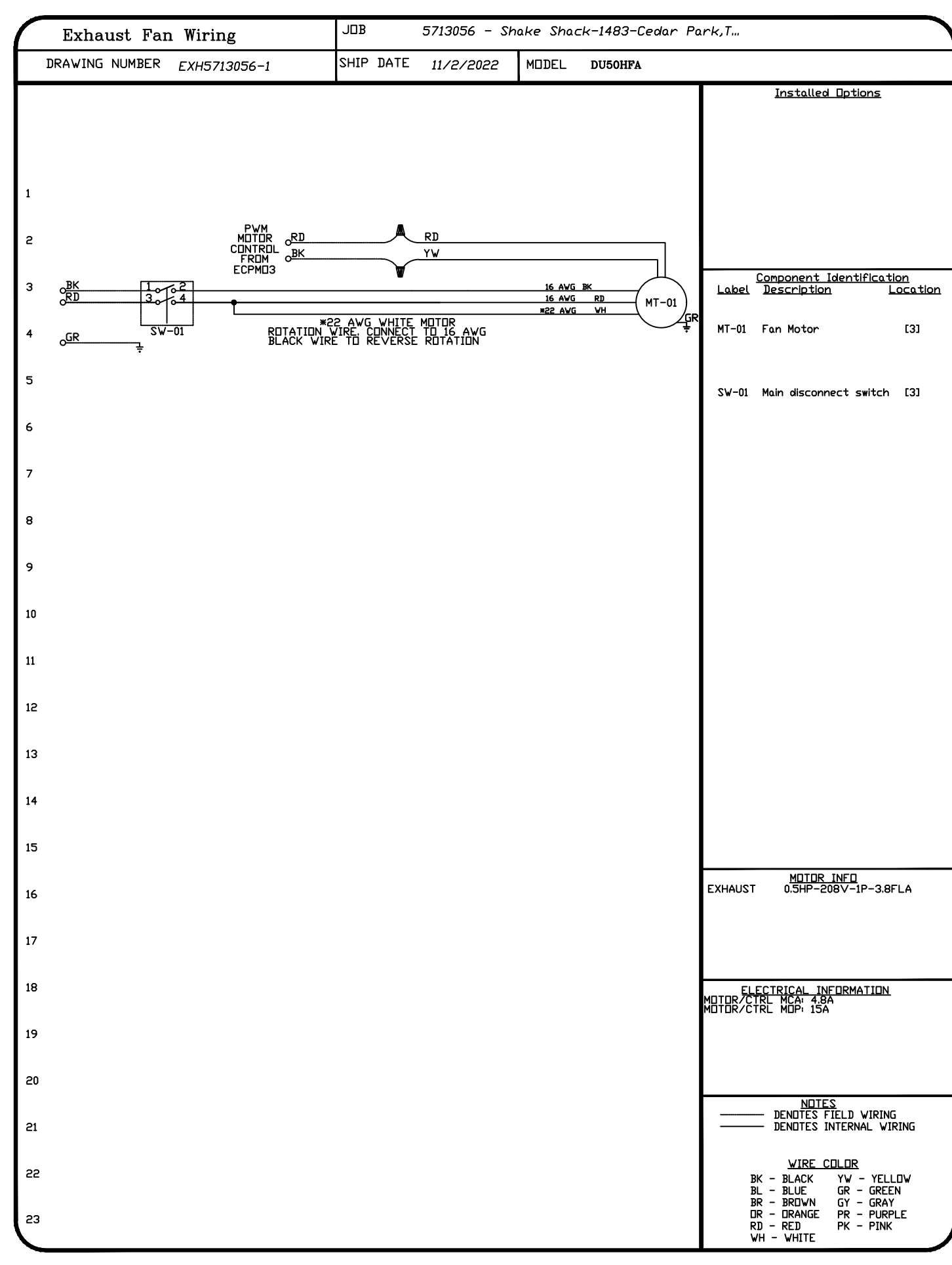
OPTIONS

- GREASE BOX.
- FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
- ECM WIRING PACKAGE (PWM SIGNAL FROM ECM'S PREWIRE (TELCO MOTOR), CCW ROTATION).
- 2 YEAR PARTS WARRANTY.



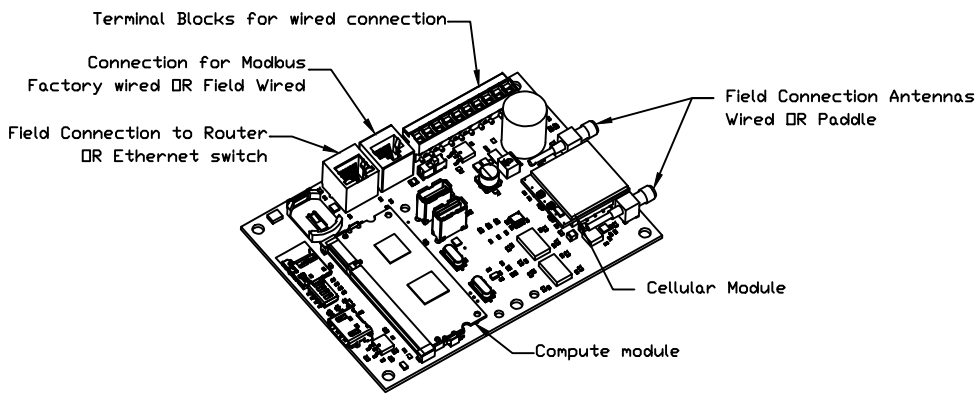
PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.



ELECTRICAL PACKAGE - JOB#5713056

NO	TAG	PACKAGE #	LOCATION	SWITCHES		QTY	OPTN	FANS CONTROLLED				
				LOCATION	QUANTITY			FAN TAG	TYPE	Φ	HP	VOLT
1		SC-24010MA	WALL MOUNT IN SS BDX	05 - SS WALL MOUNT BOX	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	KEF-3	EXHAUST	1	0.500	208	3.8
					1 FAN		KEF-4	EXHAUST	1	0.500	208	3.8
							KEF-1	EXHAUST	1	0.500	208	3.8
							KEF-2	EXHAUST	1	0.500	208	3.8

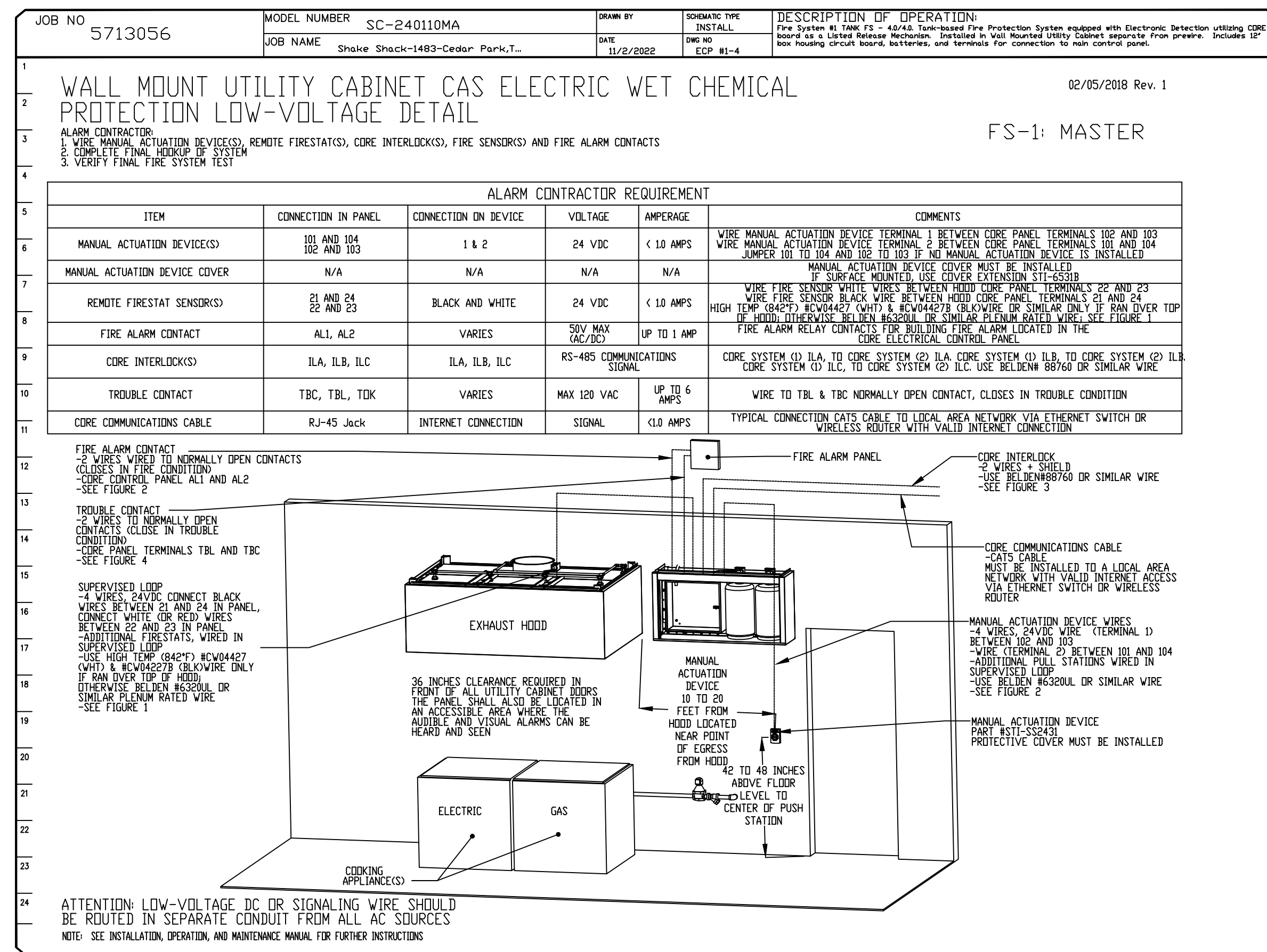
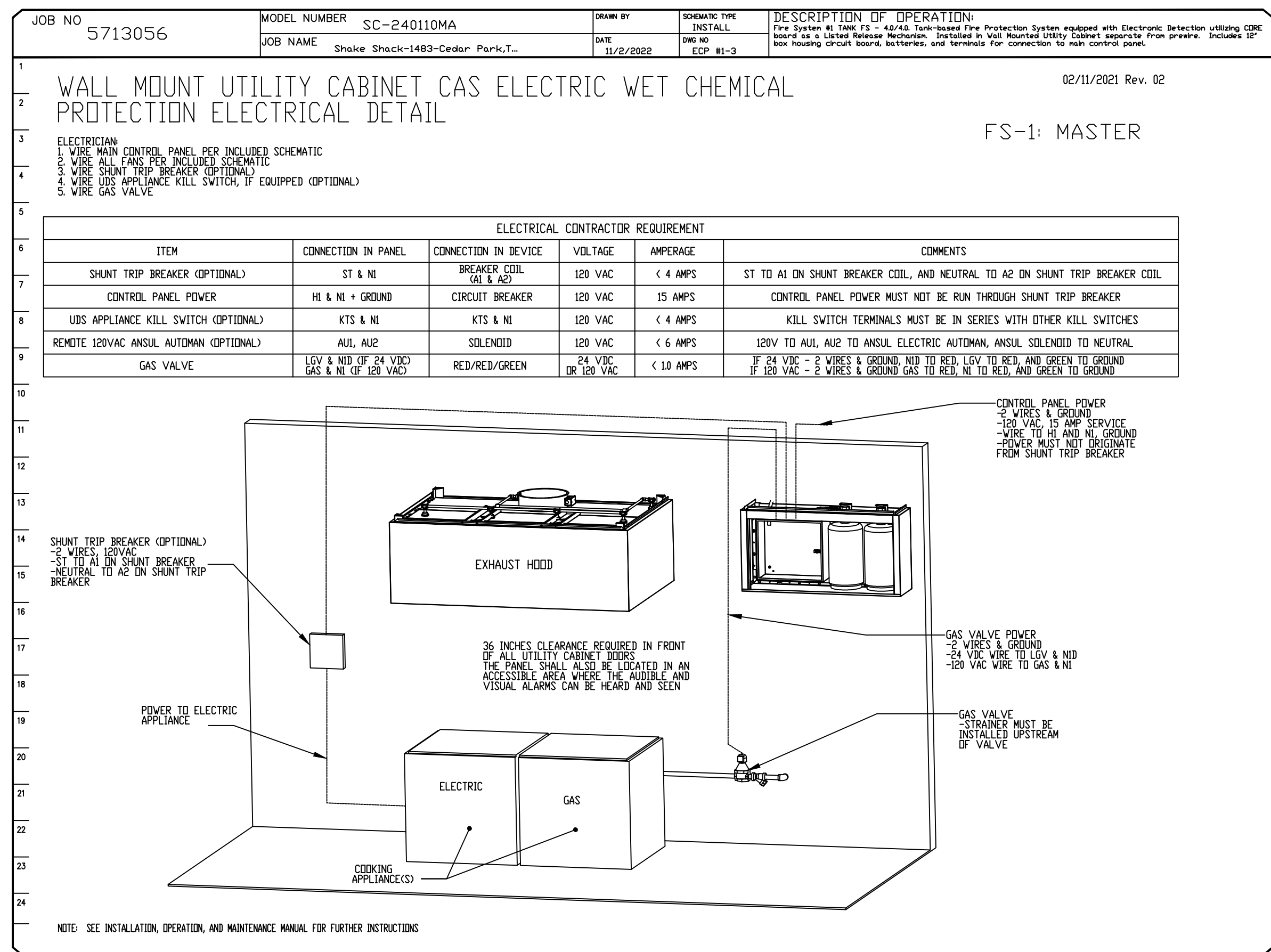
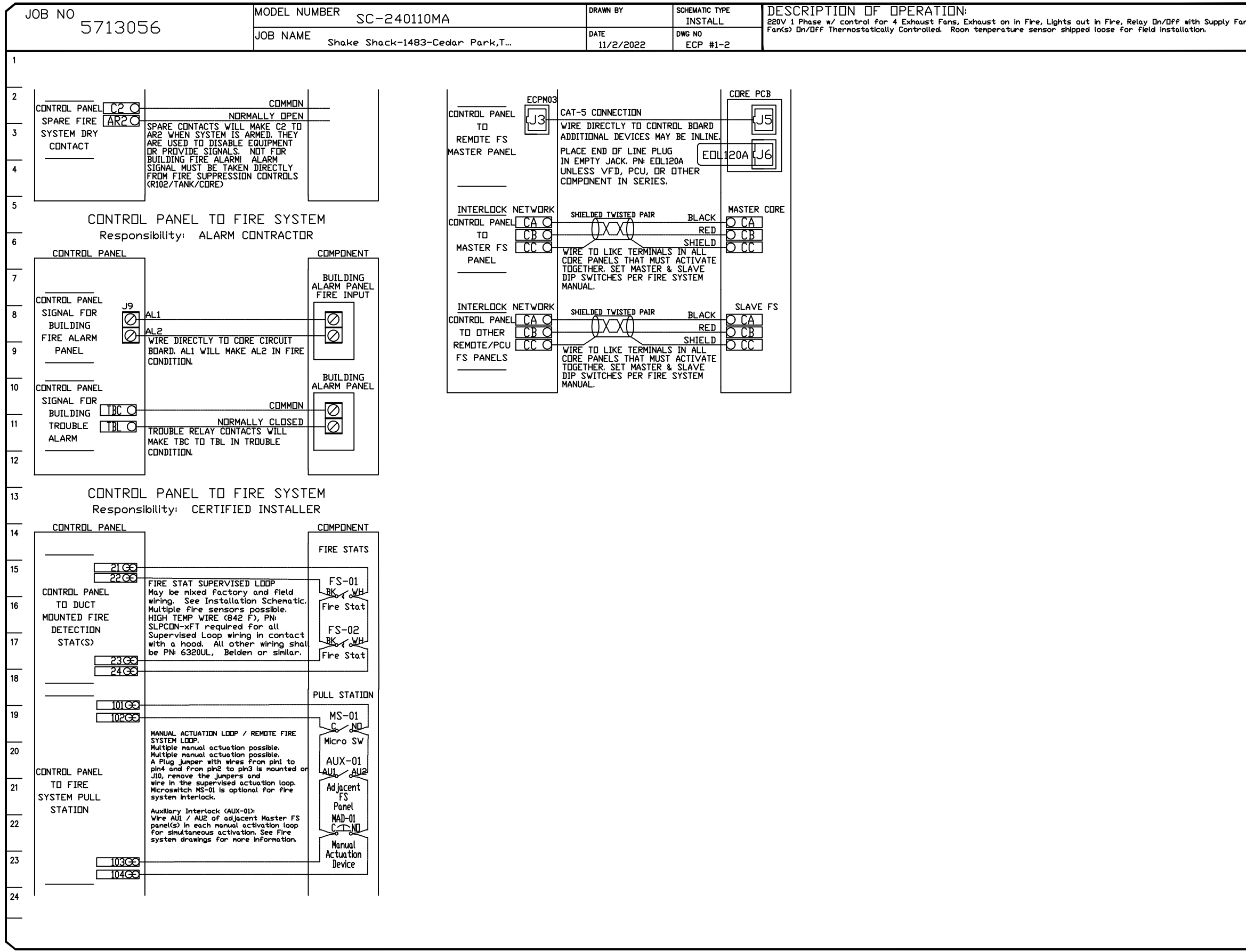
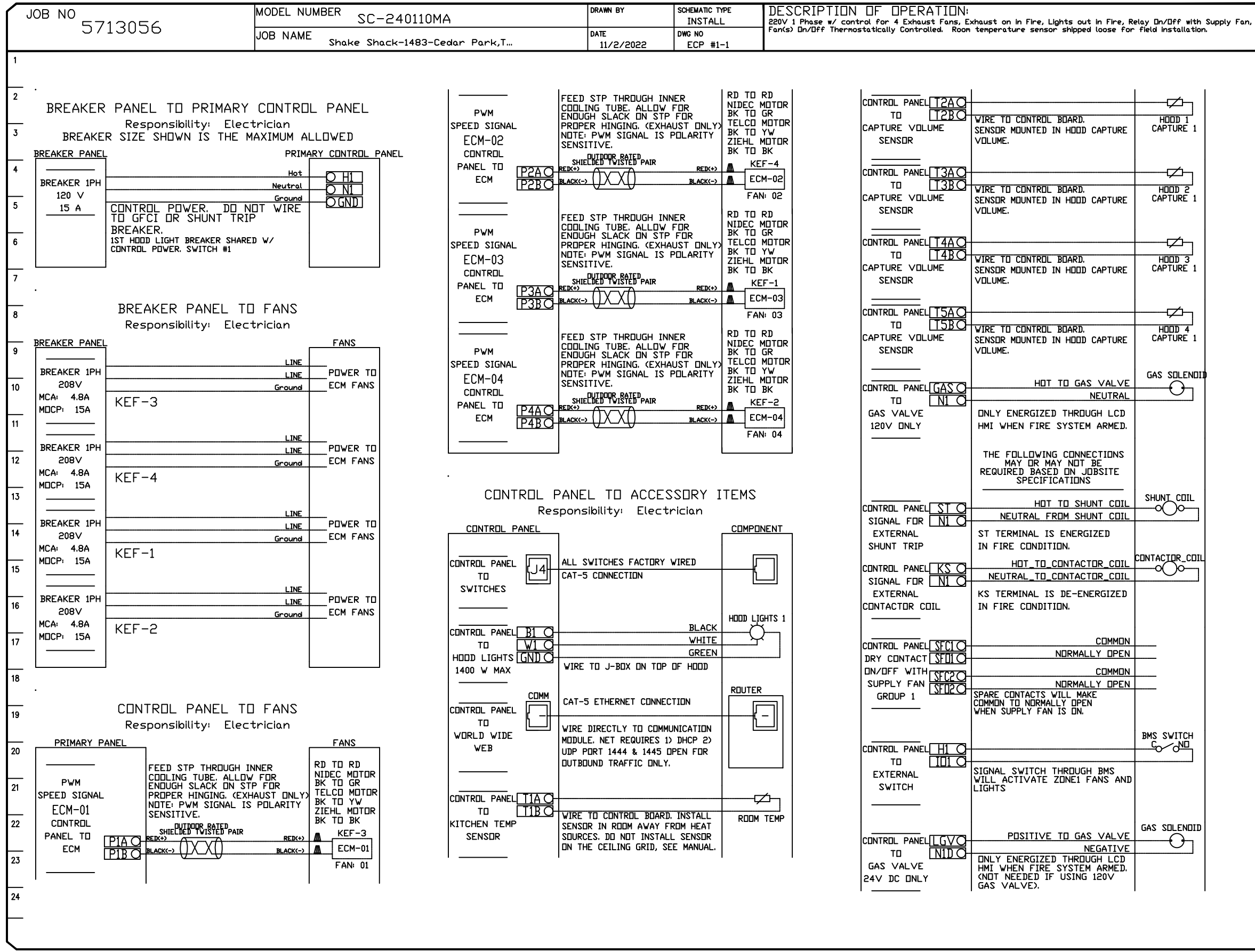


CASink Monitor and Control

- 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

DCP Packages	Function	SC Packages	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Room Discharge Temperature	MONITOR	Duct Temperature(s)	MONITOR
Ritikon RTV Discharge Temperature	MONITOR	Water Discharge Temperature	MONITOR
Fan Speed	MONITOR	Kitchen RTV Discharge Temperature	MONITOR
Fan Amperage	MONITOR	Control Panel Fans	MONITOR
Fan Power	MONITOR	Fan Status	MONITOR
VFD Fans	MONITOR	Fan Faults	MONITOR
Controller Fans	MONITOR	Fan Status	MONITOR
Fan Condition	MONITOR	PCU Filter Clap Percentages	MONITOR
Fan Status	MONITOR	Pipe Condition	MONITOR
PCU Filter Clap Percentages	MONITOR	Control Panel Fans	MONITOR
Pipe Condition	MONITOR	Building Pressure	MONITOR
Building Pressure	MONITOR	PCU Filter Clap Percentages	MONITOR & CONTROL
Prep Time Buttons	MONITOR & CONTROL	Pipe Condition	MONITOR
Fan Status	MONITOR & CONTROL	Control Panel Fans	MONITOR & CONTROL
Light Buttons	MONITOR & CONTROL	Building Pressure	MONITOR & CONTROL
Wash Buttons	MONITOR & CONTROL	Prep Time Buttons	MONITOR & CONTROL
		Fan Status	MONITOR & CONTROL
		Light Buttons	MONITOR & CONTROL
		Wash Buttons	MONITOR & CONTROL



REVISIONS

NO	DESCRIPTION	DATE
1		
2		
3		
4		

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STORE NO: TX 1483

SHAKE SHACK

196 EAST WINDFESTER BLVD
CEDAR PARK, TX 78613

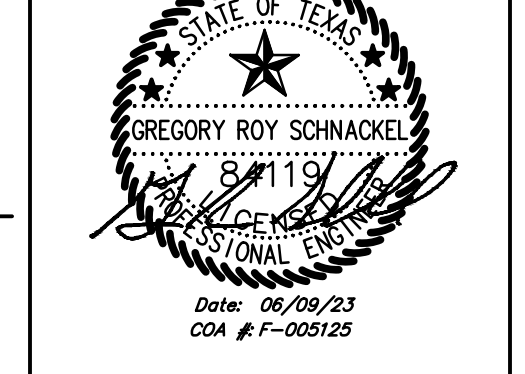
Shake Shack-1483-Cedar Park, TX(Kitchen)R2
CEDAR PARK, TX, 78613

DATE: 11/2/2022
DWG.#: 5713056
DRAWN BY: Joe.shiiba
SCALE: 3/4" = 1'-0"
MASTER DRAWING

REVISION

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SHEET NO. 8

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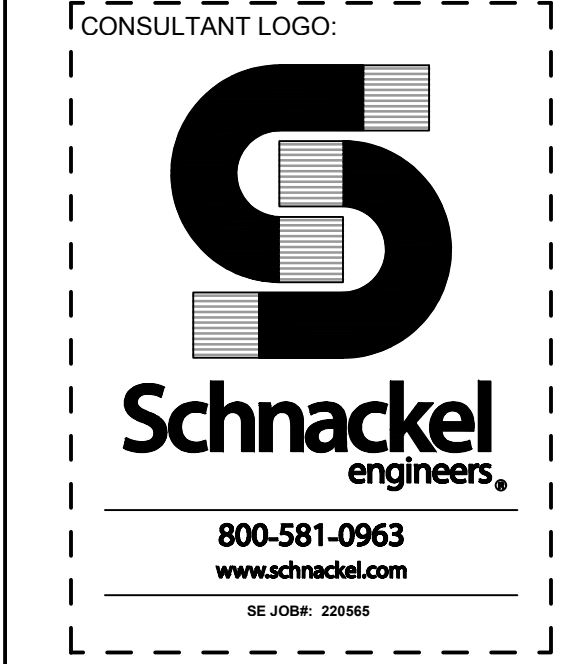
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SHEET NAME: CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023 PROJECT NO: 35985

DRAWN: RAS SCALE: AS NOTED

SHEET NO: M708

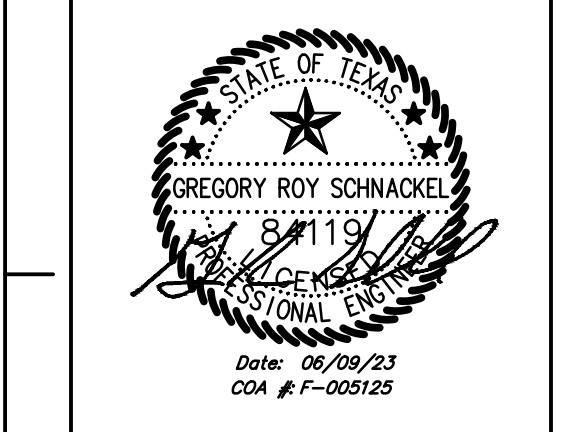


STORE NO:
TX 1483



REVISION	
NO.	DESCRIPTION
1	04/21/2023 REVISION 1
2	06/09/2023 REVISION 2

STATUS:
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SHEET NAME:
CAPTIVE
DRAWINGS

DATE: 04/21/2023 PROJECT NO: 35985
DRAWN: RAS SCALE: AS NOTED

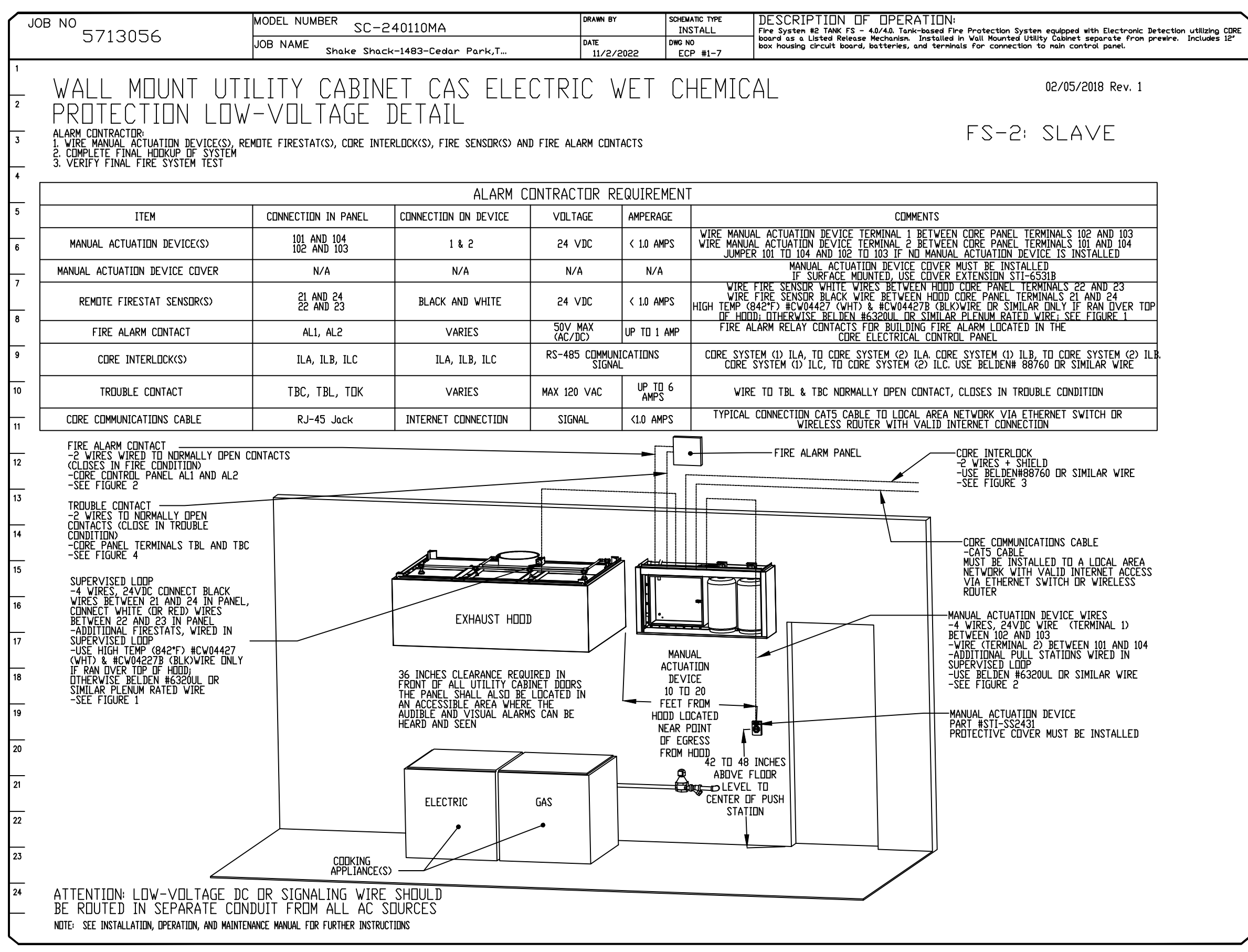
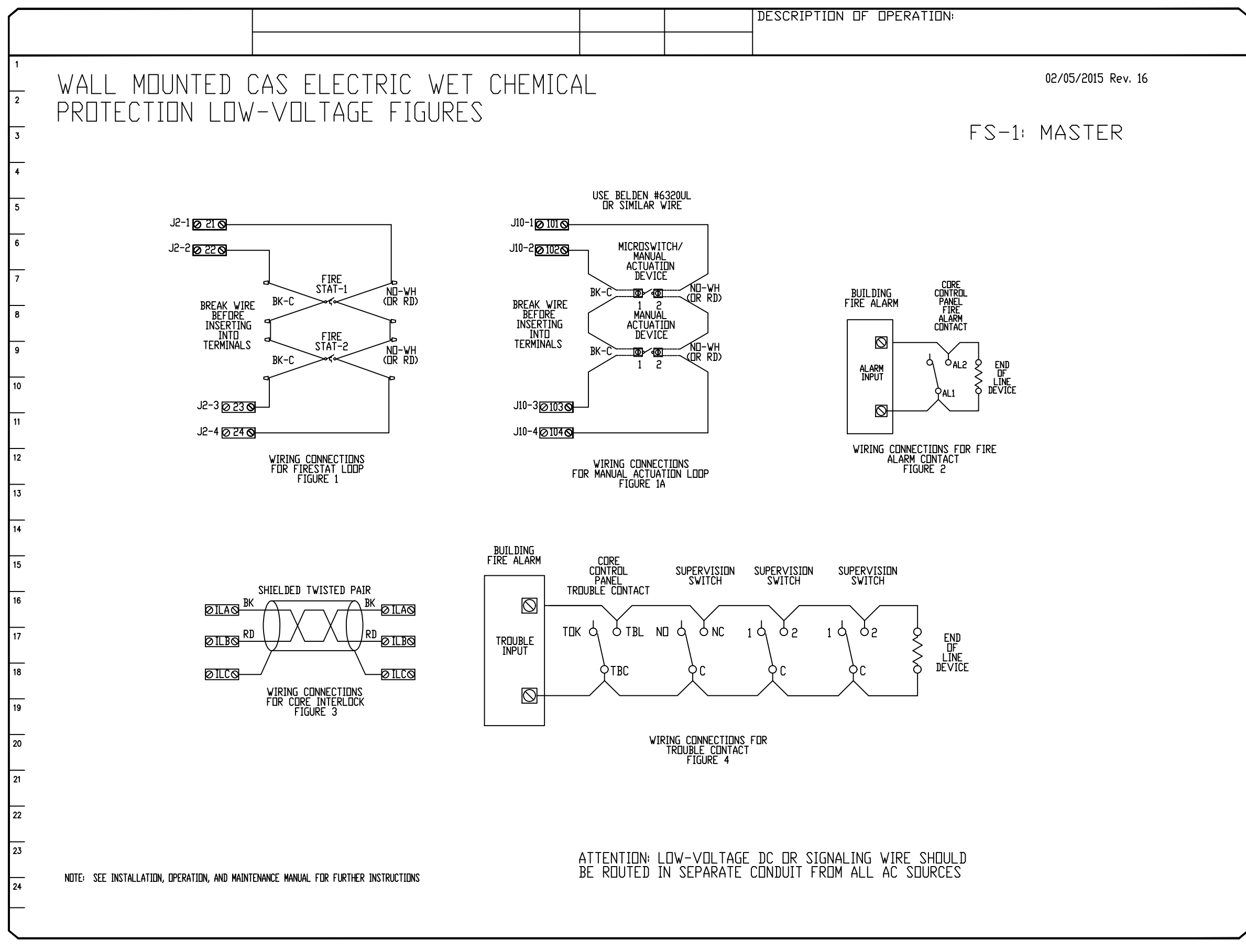
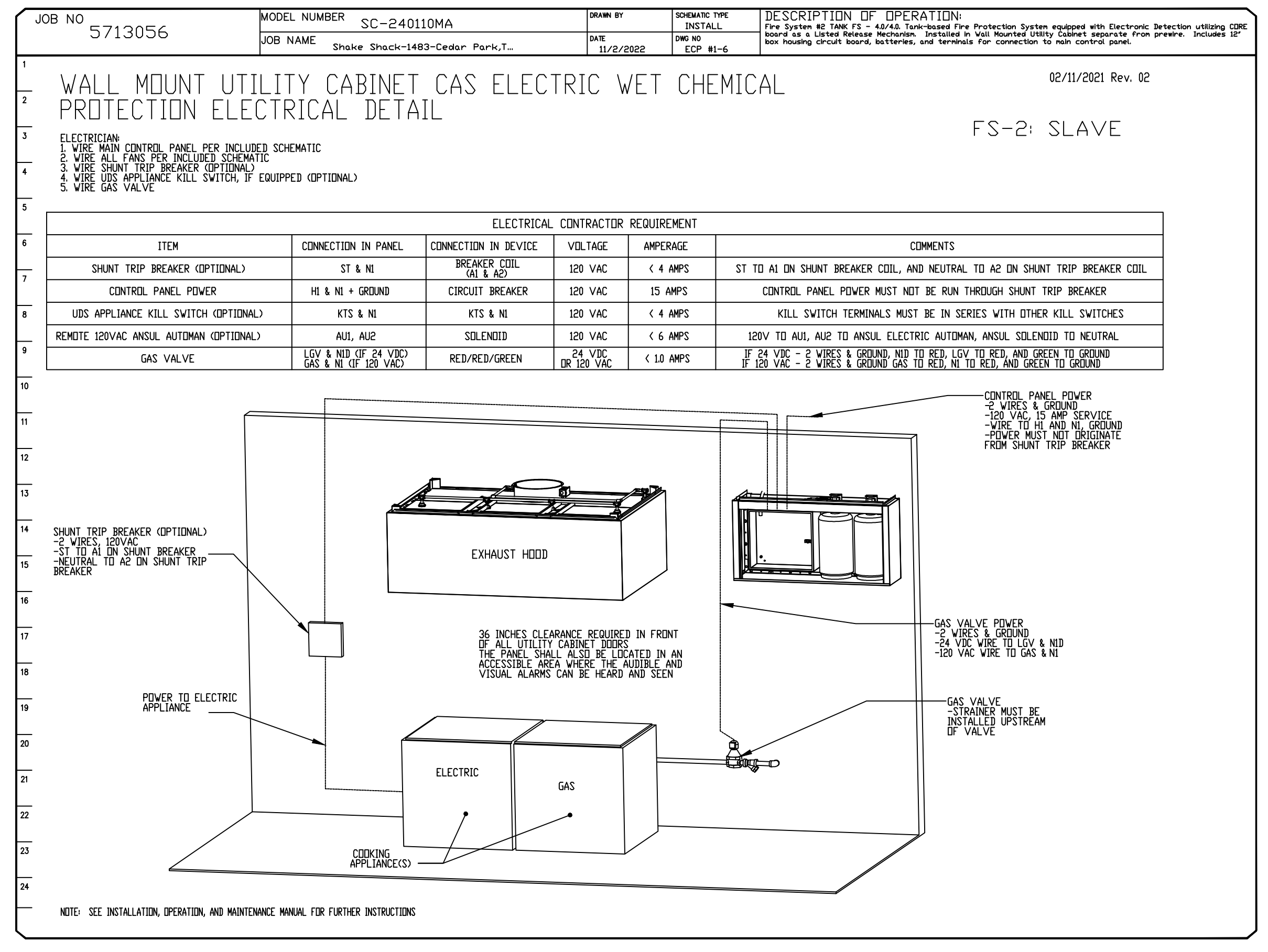
SHEET NO:
M709

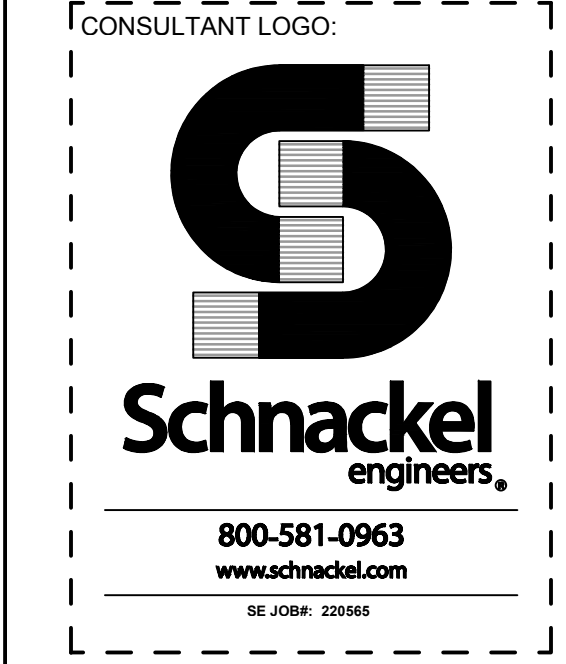
REVISIONS	
DESCRIPTION	DATE

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PO Box 2520, 1 Union Ave, Bala Cynwyd, PA, 19004 PHONE: (267) 904-4126 EMAIL: reg.108@captive.com

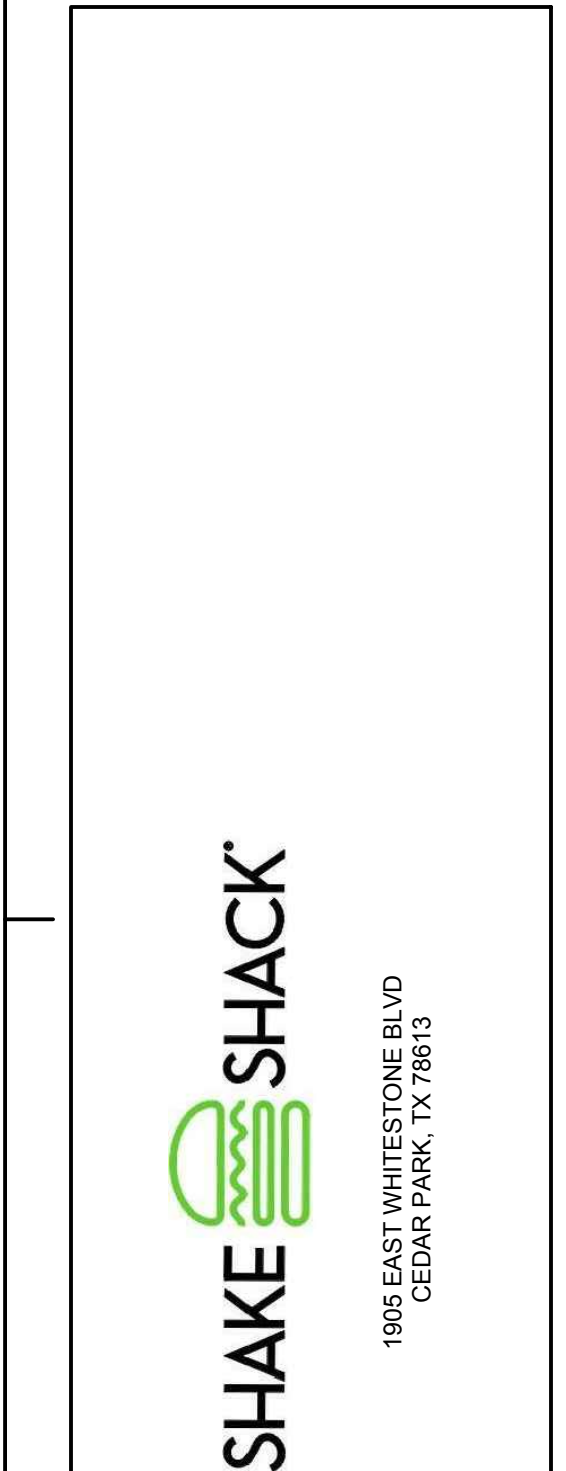
Shake Shack-1483-Cedar Park, TX Kitchen R2
CEDAR PARK, TX, 78613

DATE: 11/2/2022
DWG.#: 5713056
DRAWN BY: Joe.shiiba
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 9



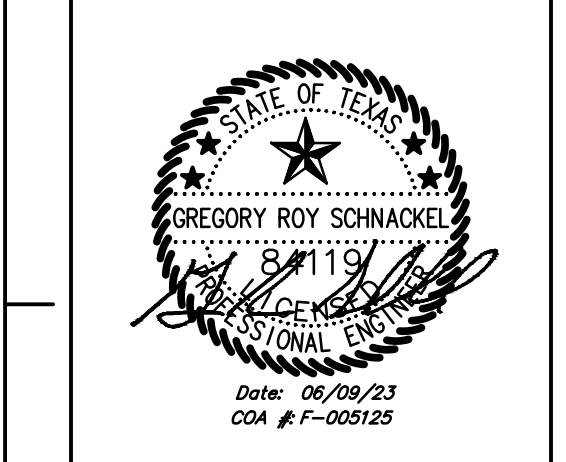


STORE NO:
 TX 1483



REVISION	
DATE	DESCRIPTION
11/04/2023	REVISION 1
06/09/2023	REVISION 2

STATUS:
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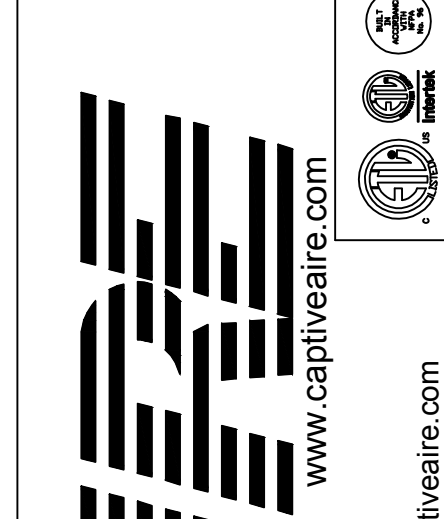


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SHEET NAME:
CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023 PROJECT NO: 35985
 DRAWN: RAS SCALE: AS NOTED
 SHEET NO: **M710**

REVISIONS	
DESCRIPTION	DATE

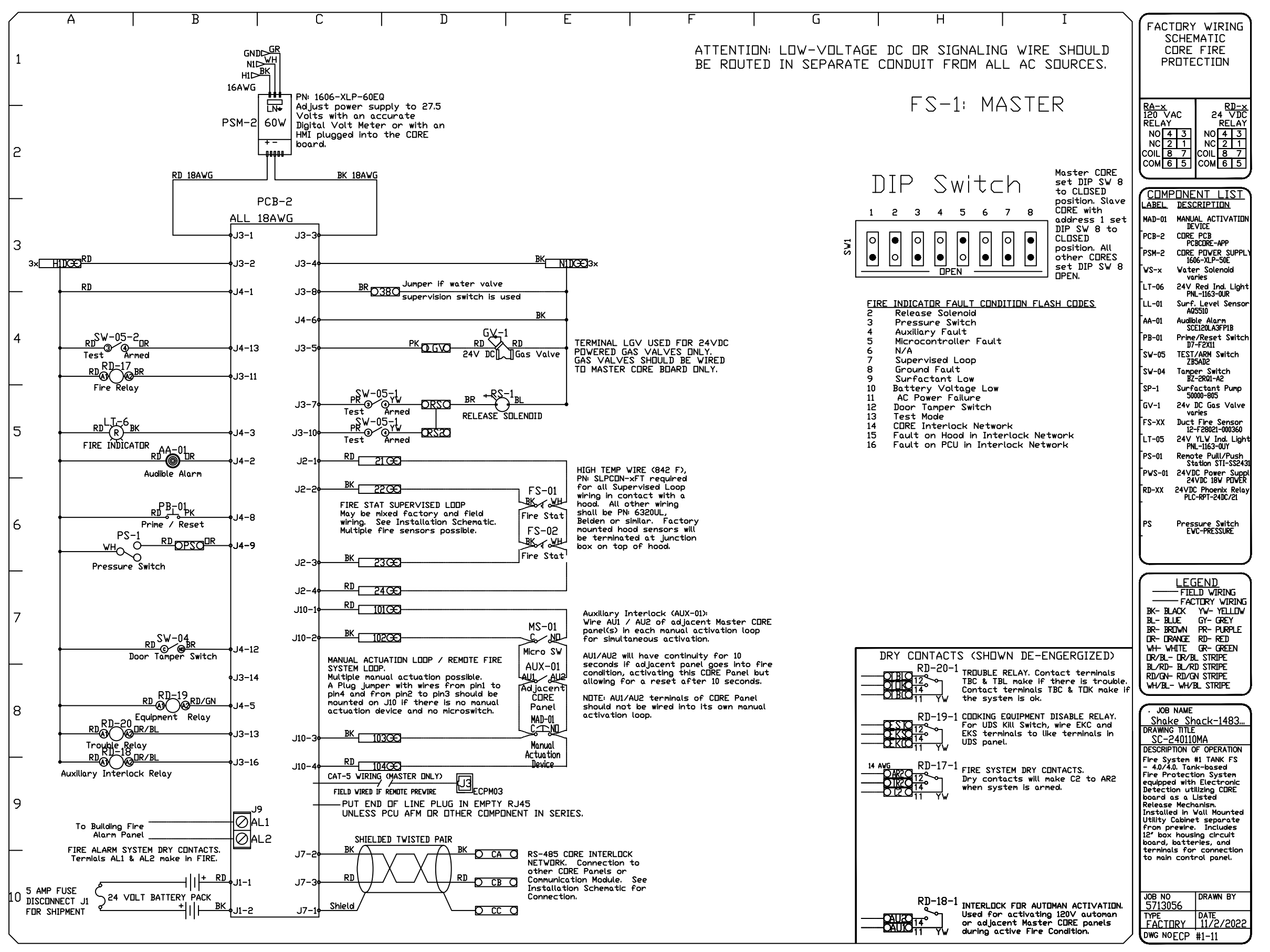
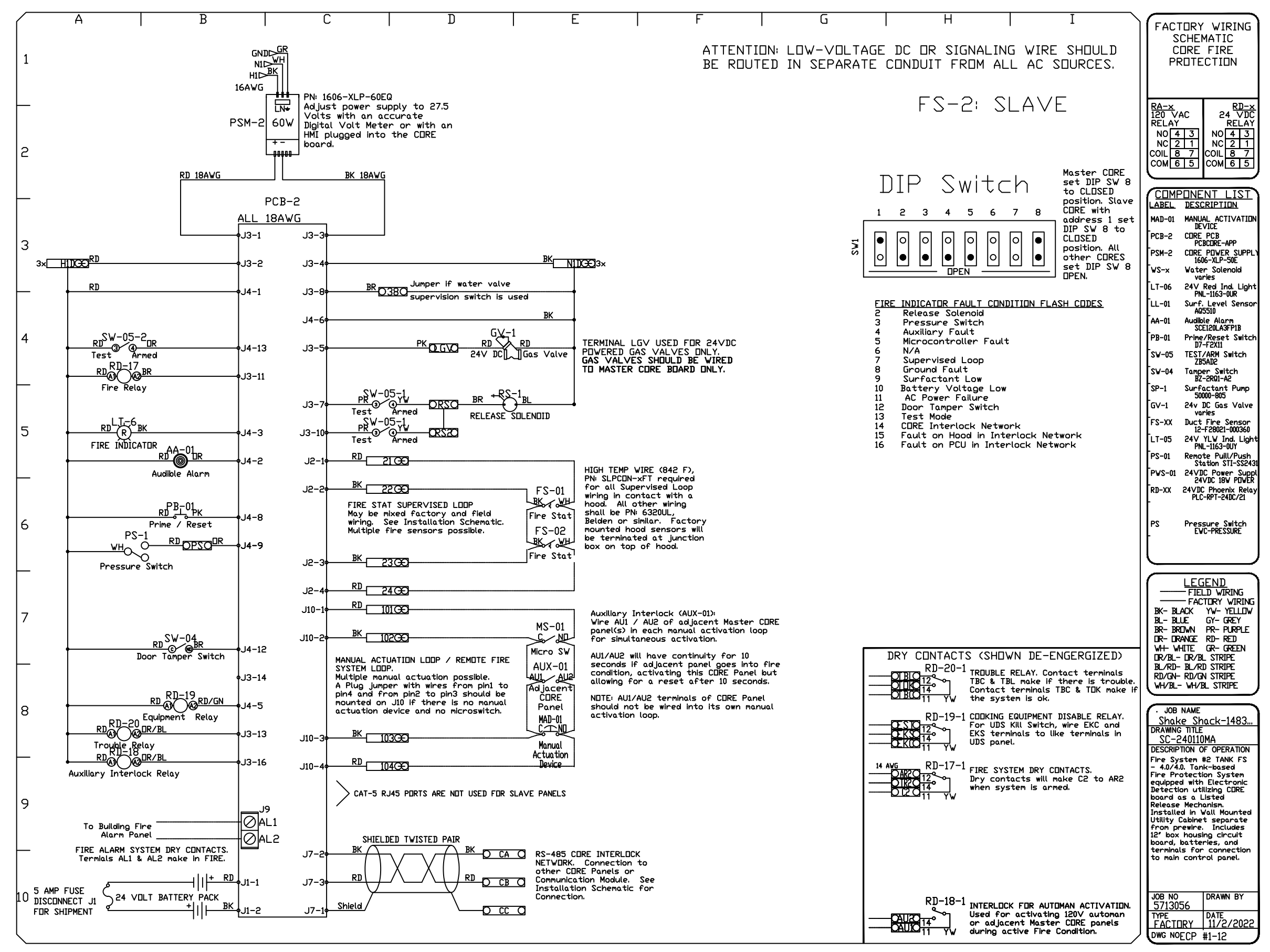
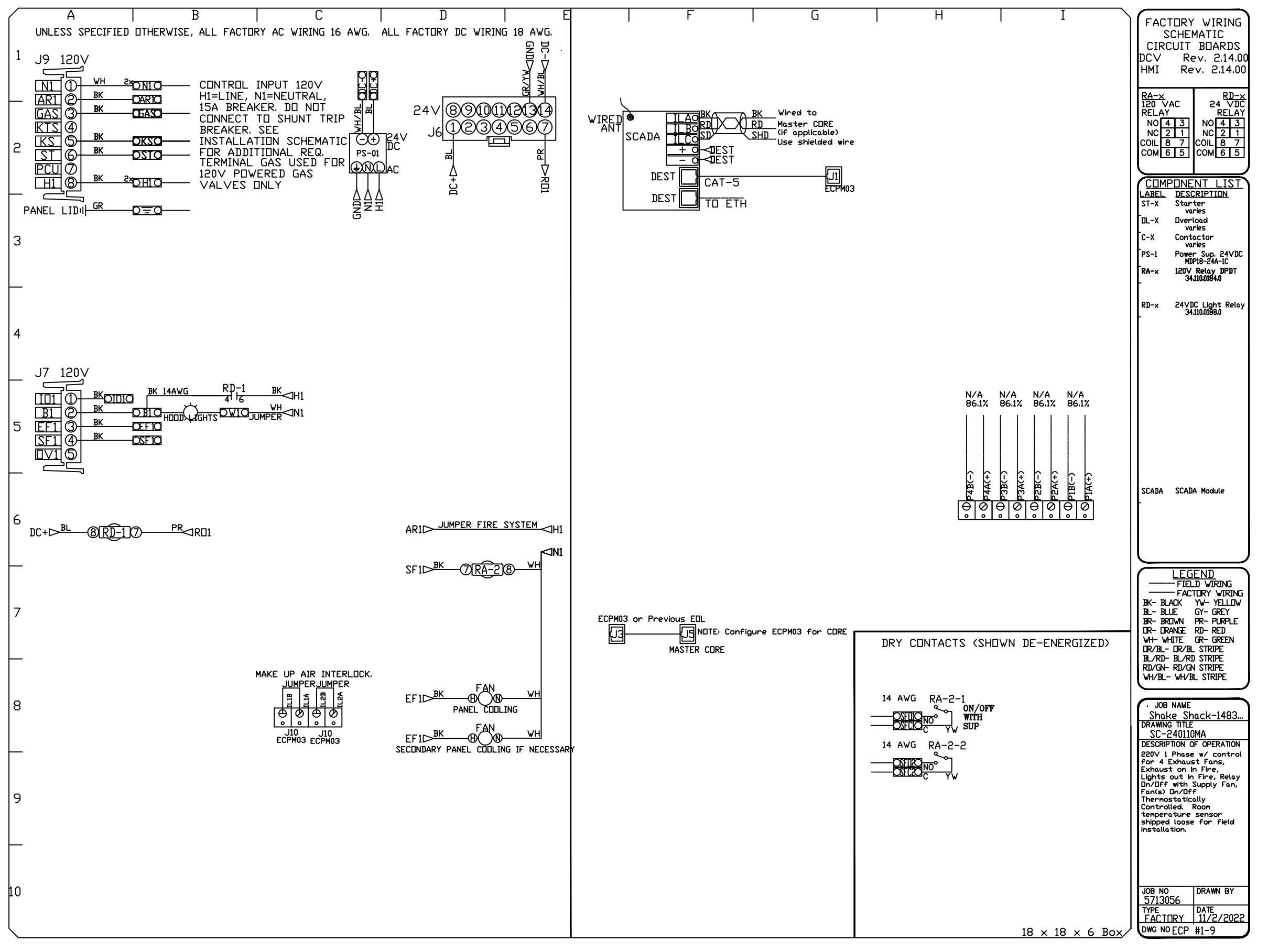
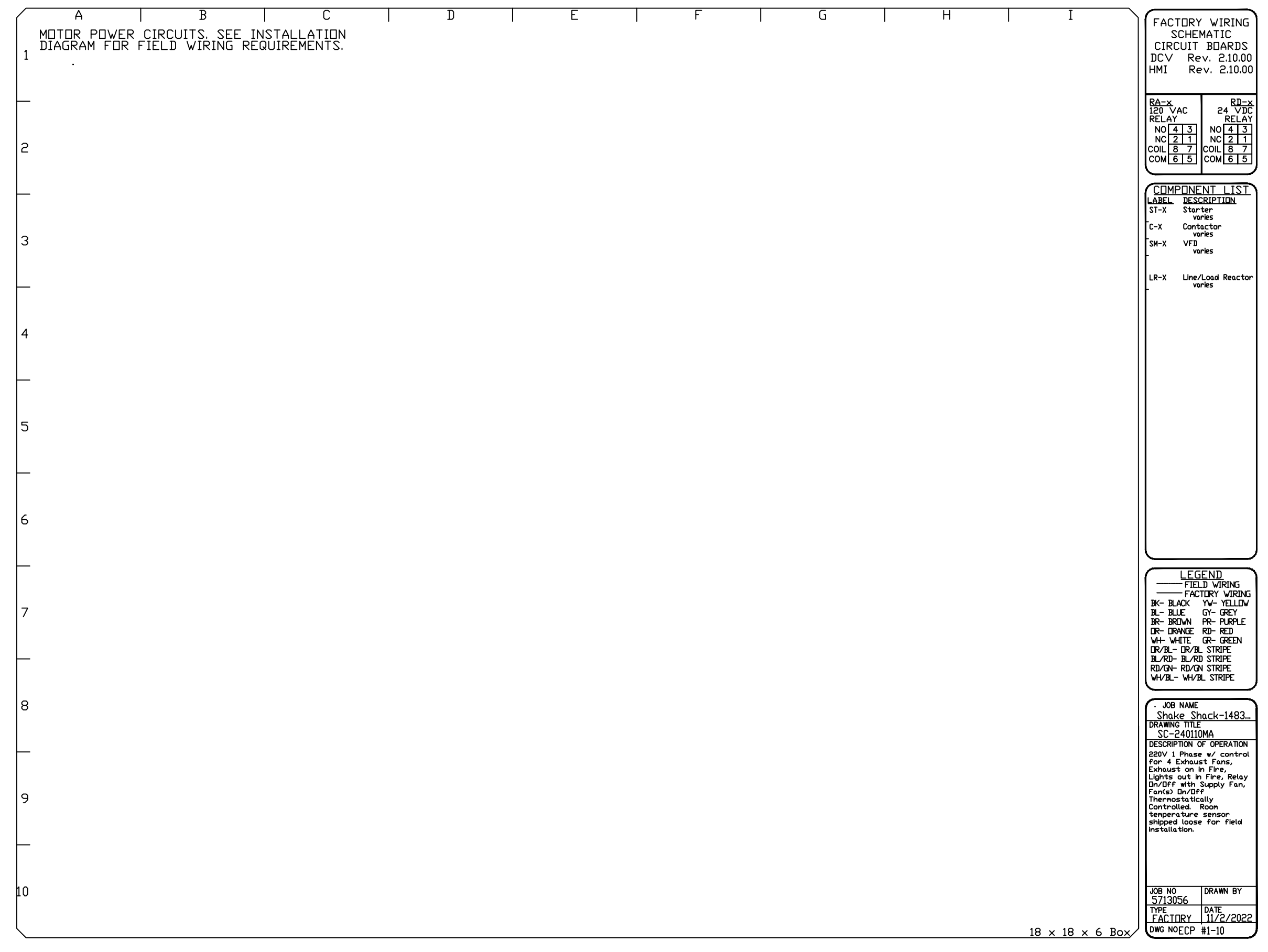


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Shake Shack-1483-Cedar Park, TX Kitchen R2
 CEDAR PARK, TX, 78613

DATE: 11/2/2022
 DWG.#: 5713056
 DRAWN BY: Joe.shiiba
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO.
 10



DOAS/RTU FAN SCHEDULE - JOB#5679021

FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	FAN INFORMATION			ELECTRICAL INFORMATION										COOLING INFORMATION						REHEAT INFORMATION				GAS HEAT INFORMATION				NOTES					
				MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MDCP	OUTSIDE AIR		MIXED AIR		LEAVING AIR		CAPACITY		IEER	ISMRE	DISCHARGE		CAPACITY		MOISTURE REMOVAL RATE		GAS TYPE		INPUT BTUs	OUTPUT BTUs	TEMP RISE
																DB	WB	DB	WB	DB	WB	DP	TOTAL			SENS.	DB	WB	DESIRED			MAX	DB			
1	RTU-1	1	CASRTU3-1.250-24-1ST-DOAS	CAPTIVEAIRE	24MF-3-RTU	2600	1150	3750	2629	1.000	5.00	3	208	73.6A	80A	95.0°F	78.0°F	79.8°F	61.7°F	42.9°F	42.8°F	42.7°F	184.0 MBH	150.4 MBH	18.8	5.7	73.0°F	62.3°F	129 MBH	129.6 MBH	29.8 LBS/HR	NATURAL	246914	200000	47°F	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17
2	RTU-2	1	CASRTU3-1.300-18-20T-DOAS	CAPTIVEAIRE	18P-3	1200	2500	3700	2646	1.000	5.00	3	208	91.4A	100A	95.0°F	78.0°F	88.6°F	73.5°F	51.0°F	51.0°F	51.1°F	263.9 MBH	151.1 MBH	18.2	6.0	72.0°F	60.0°F	87.6 MBH	129.6 MBH	99.4 LBS/HR	NATURAL	296296	240000	56°F	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18

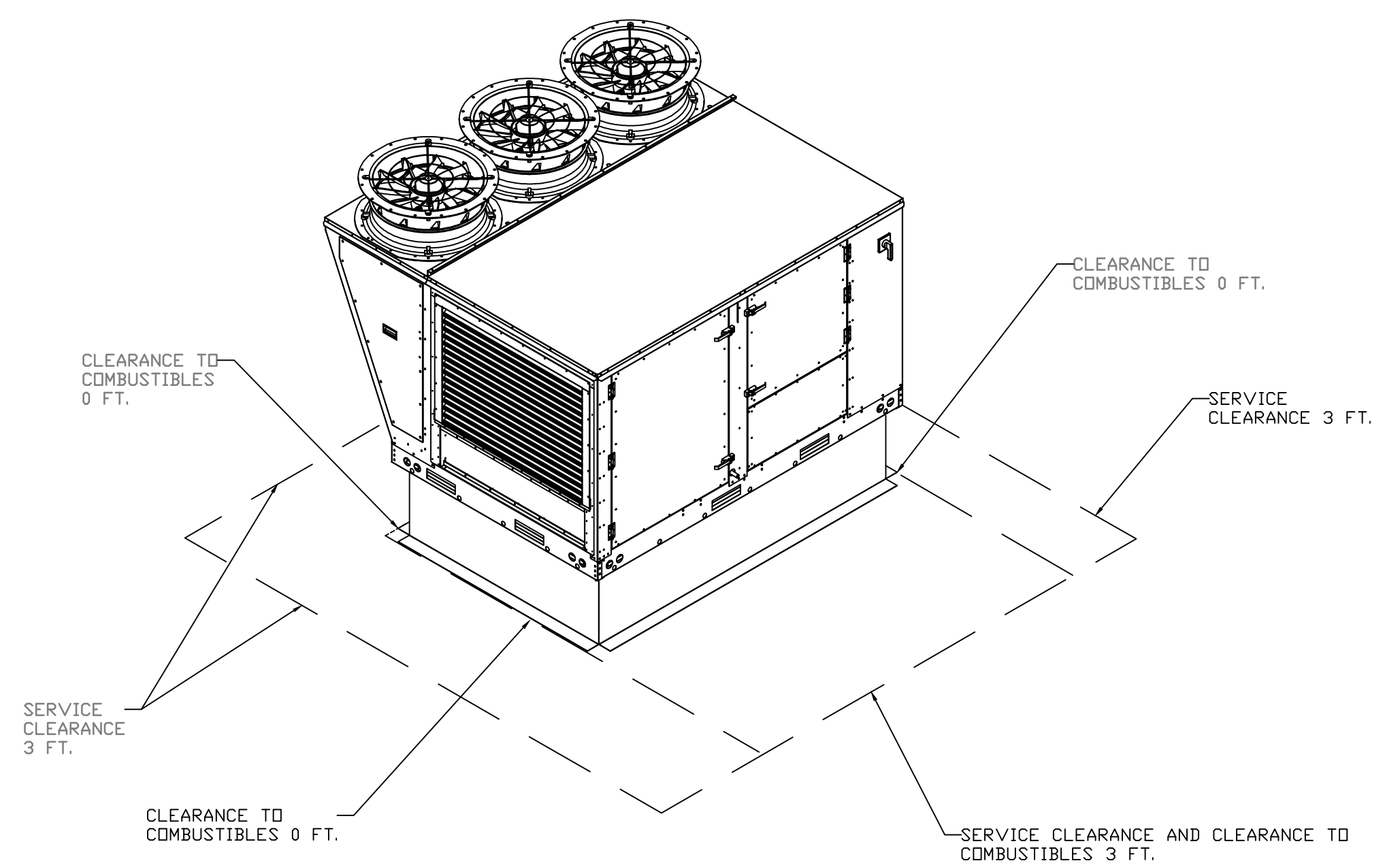
NOTES:

- INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
- DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
- INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
- REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
- EC MOTOR CONDENSING FANS
- ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
- SUCTION LINE ACCUMULATOR
- FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
- AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
- 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14GA BASE
- 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP
- SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
- FULLY MODULATING HOT GAS REHEAT
- HAIL GUARD FOR CONDENSING COIL
- RTU ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL
- BAROMETRIC RELIEF DAMPER
- DOWN DISCHARGE/DOWN RETURN

18. 15 DEGREE LOW AMBIENT OPERATION

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	RTU-1	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	RTU TOTAL CFM MONITORING
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU3 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU3 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU3 (QTY. 4)
		1	OVERHEAT STAT
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	15 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	15 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR
		1	RTU3 CURB DUCT HANGER
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		1	RTU3 DOWN RETURN
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (S71 VFD INCLUDED)
		1	LOAD REACTOR MOUNTED IN FAN
		1	OCCUPIED SCHEDULING
		1	RTU ECONOMIZER - DIFFERENTIAL ENTHALPY CONTROL
		1	RTU3 ECONOMIZER BAROMETRIC RELIEF
		1	RTU3 HAIL GUARD
1	POWERED EXHAUST FOR RTU3 - MANUAL CONTROL		
2	RTU-2	1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	RTU TOTAL CFM MONITORING
		1	SHIP LOOSE GAS STRAINER 3/4"
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	LDW AMBIENT COOLING OPERATION - DOWN TO OF AMBIENT
		1	RTU3 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU3 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU3 (QTY. 4)
		1	OVERHEAT STAT
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	20 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	20 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR
		1	RTU3 CURB DUCT HANGER
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	OCCUPIED SCHEDULING
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		1	RTU3 DOWN RETURN
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (S71 VFD INCLUDED)
		1	DAMPER PRESET POSITIONS
1	RTU3 ECONOMIZER BAROMETRIC RELIEF		
1	RTU3 HAIL GUARD		
1	RTU ECONOMIZER - DIFFERENTIAL ENTHALPY CONTROL		
1	LOAD REACTOR MOUNTED IN FAN		
1	POWERED EXHAUST FOR RTU3 - MANUAL CONTROL		
1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)		



CURB ASSEMBLIES

NO	IN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	RTU-1	78 LBS	CURB	59.500"W X 91.000"L X 14.000"H ALONG WIDTH, RIGHT INSULATED.
2	# 2	RTU-2	68 LBS	CURB	59.500"W X 91.000"L X 12.000"H ALONG WIDTH, RIGHT INSULATED.

REVISIONS

NO	DATE	DESCRIPTION
1	04/21/2023	REVISION 1
2	06/09/2023	REVISION 2

Shake Shack-1483-Cedar Park, TX(HVAC)-R1
CEDAR PARK, TX, 78613

DATE: 10/14/2022
DWG.#: 5679021
DRAWN BY: Joe.shiiba
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1



zebra
ZEBRA PROJECTS, INC.
1464 N KIERLAND BLVD, SUITE N500
SCOTTSDALE, ARIZONA 85254
PHONE: 480.912.1169 zbr.global

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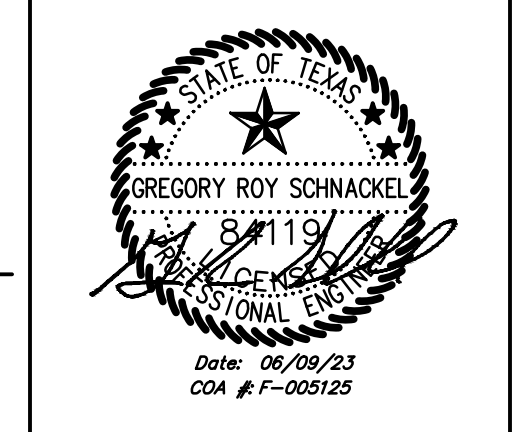
STORE NO: TX 1483

SHAKE SHACK
180 EAST PARKVIEW BLVD
CEDAR PARK, TX 78613

REVISION

NO	DATE	DESCRIPTION
1	04/21/2023	REVISION 1
2	06/09/2023	REVISION 2

STATUS: IFC SET



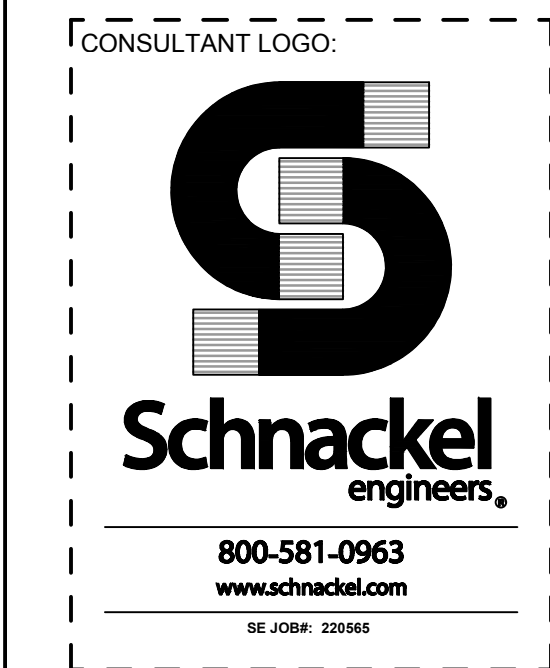
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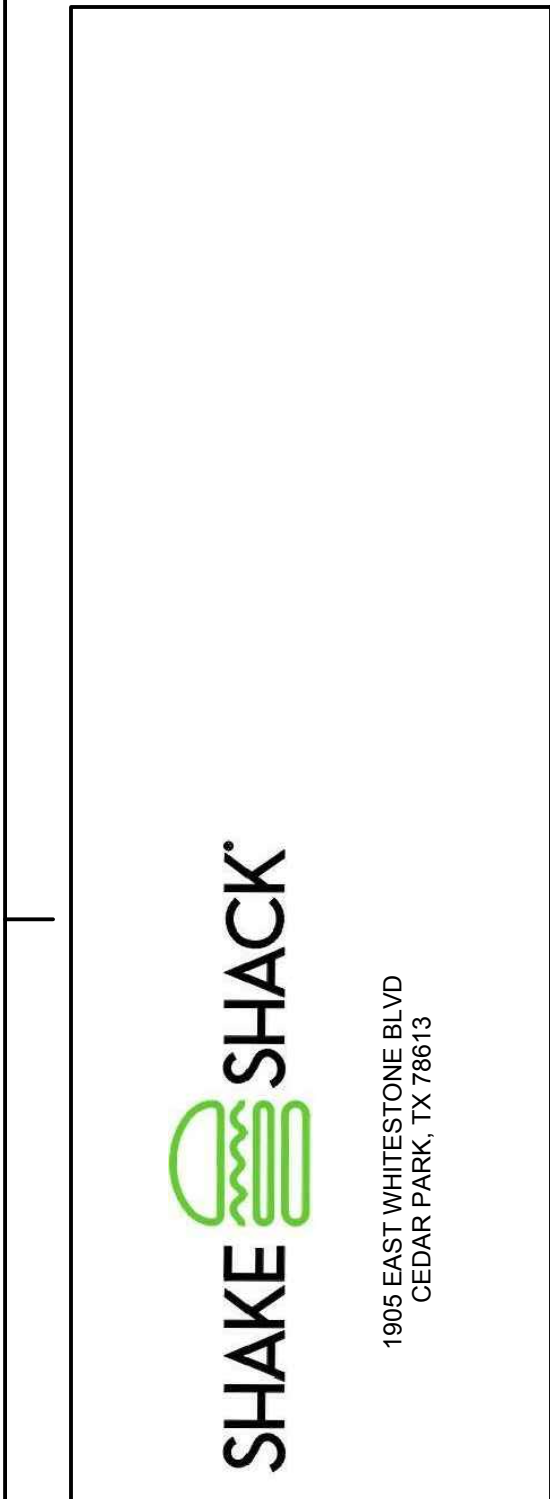
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DATE: 04/21/2023 PROJECT NO: 35985
DRAWN: RAS SCALE: AS NOTED

SHEET NO: M711



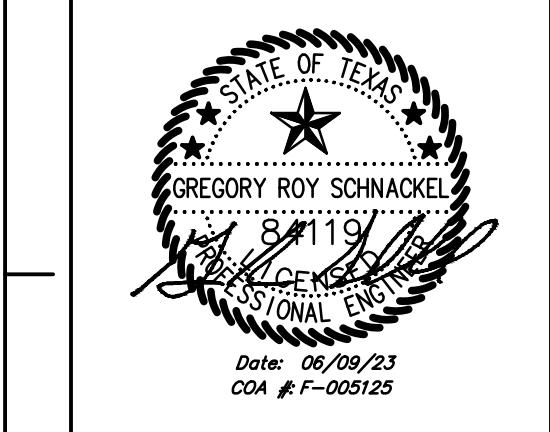
STORE NO: TX 1483



Shake Shack-1483-Cedar Park, TX(HVAC)-R1
CEDAR PARK, TX, 78613

REVISION	
DATE	DESCRIPTION
04/21/2023	REVISION 1
06/09/2023	REVISION 2

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SHEET NAME: CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023 PROJECT NO: 35985

DRAWN: RAS SCALE: AS NOTED

SHEET NO: M712

REVISIONS

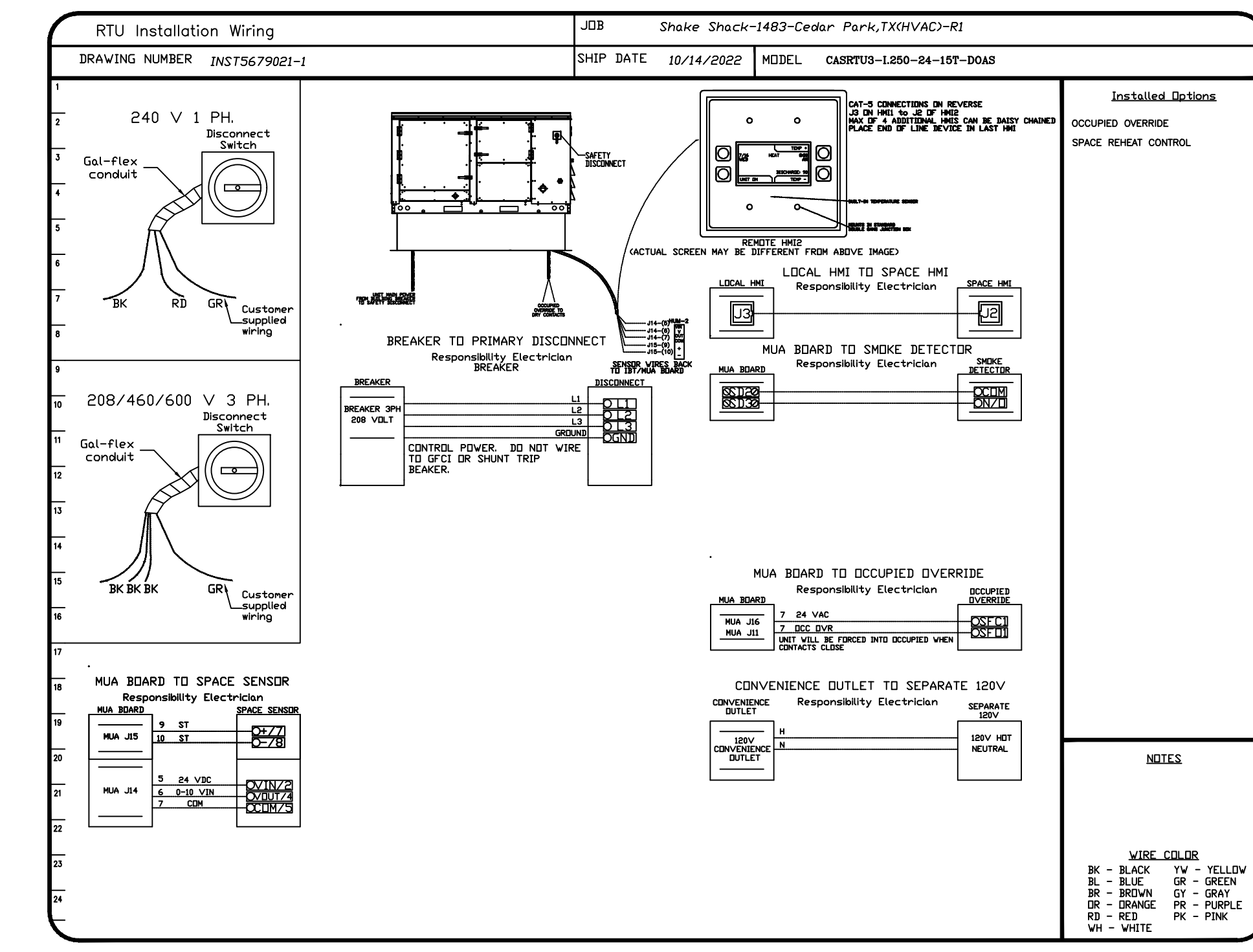
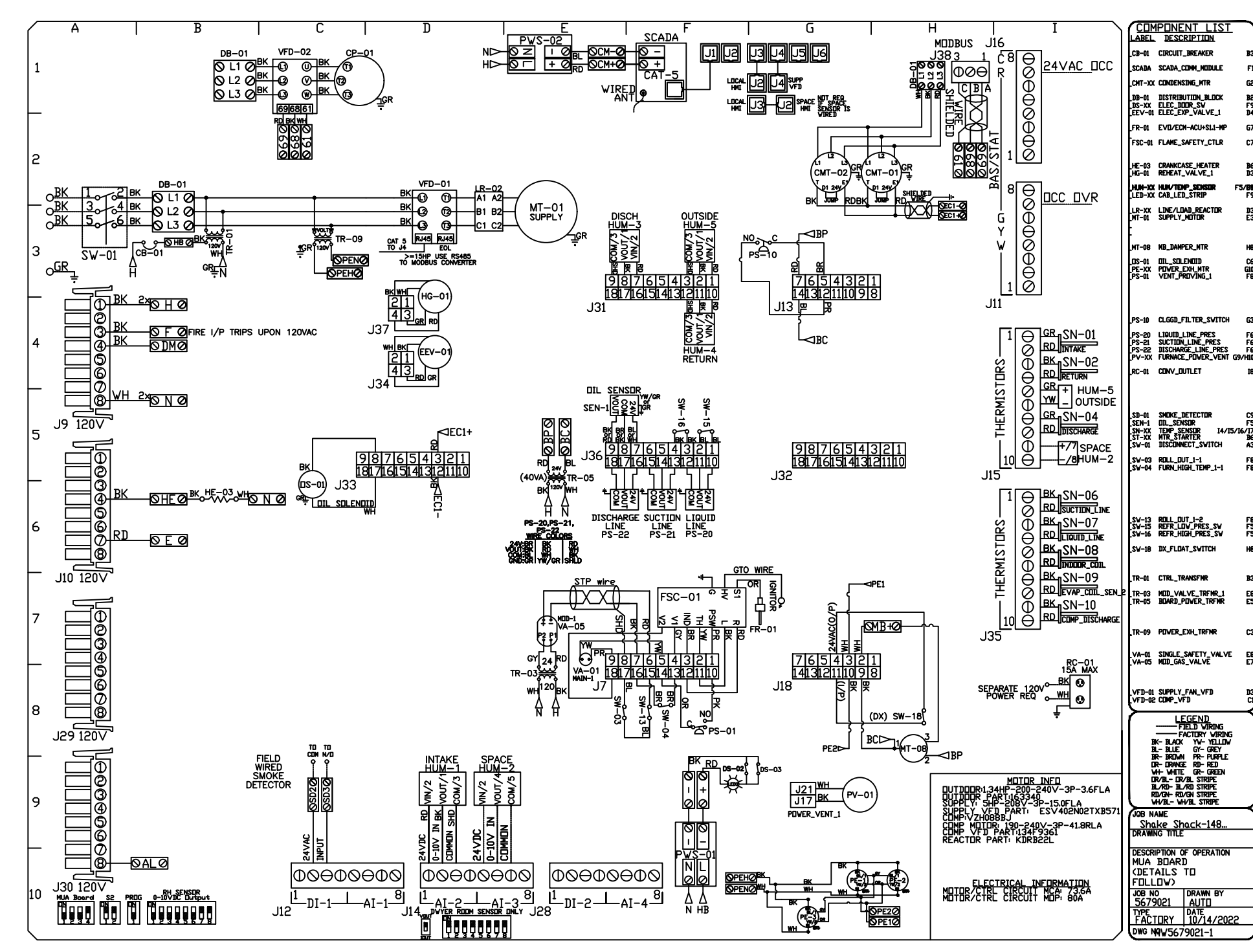
DESCRIPTION	DATE

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1900 Ave. Bala Cynwyd, PA. 19004 PHONE: (267) 904-4126 EMAIL: reg.10@captivaire.com

Shake Shack-1483-Cedar Park, TX(HVAC)-R1
CEDAR PARK, TX, 78613

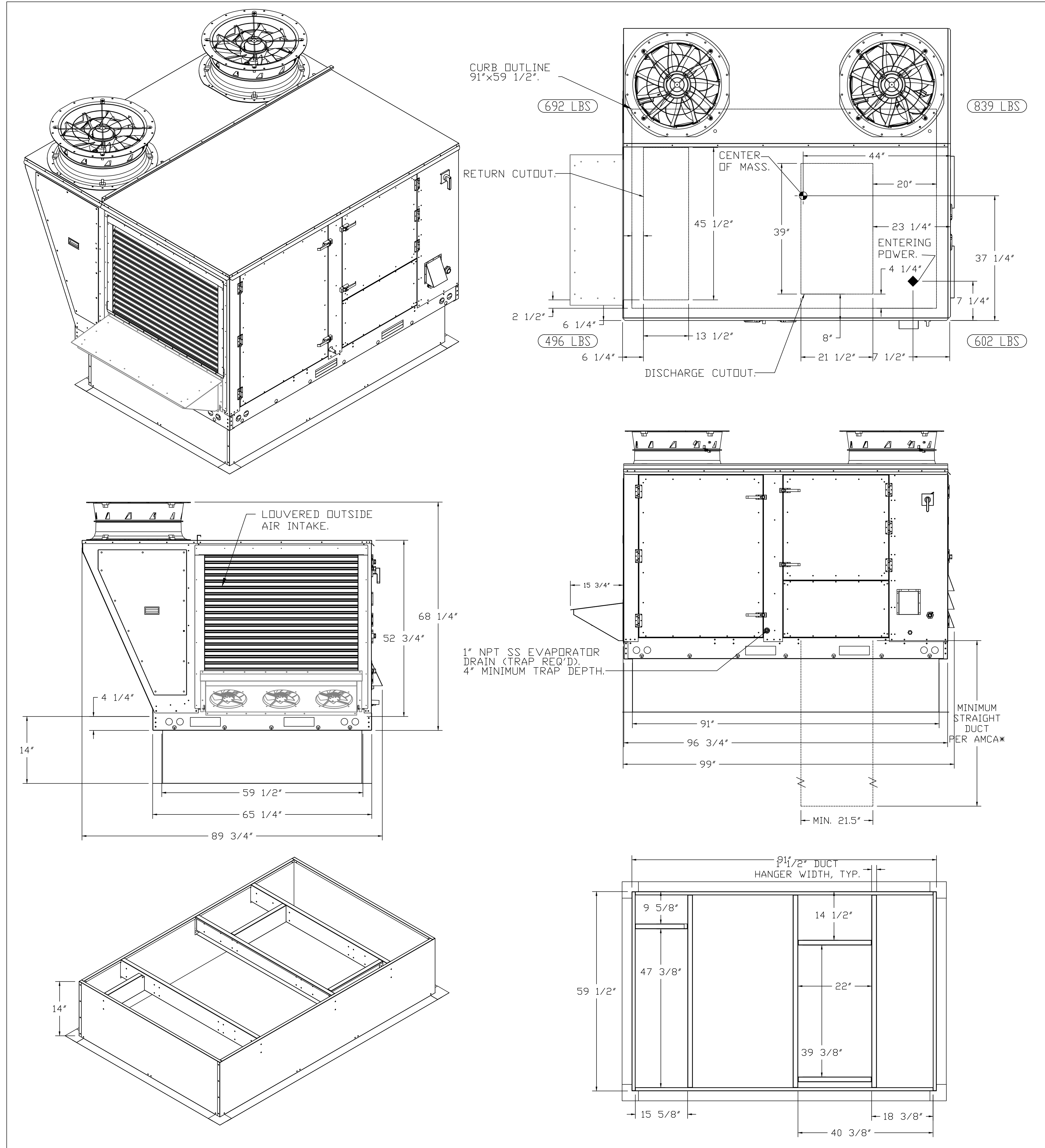
DATE: 10/14/2022
DWG #: 5679021
DRAWN BY: Joe.shiiba
SCALE: 3/4" = 1'-0"
MASTER DRAWING

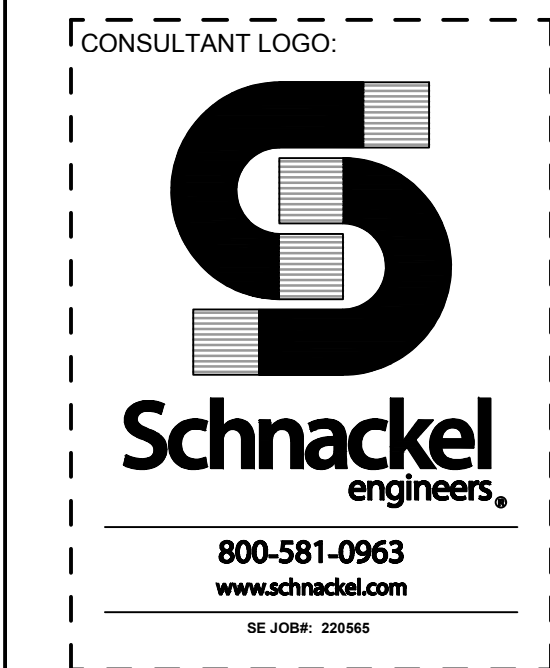
SHEET NO. 2



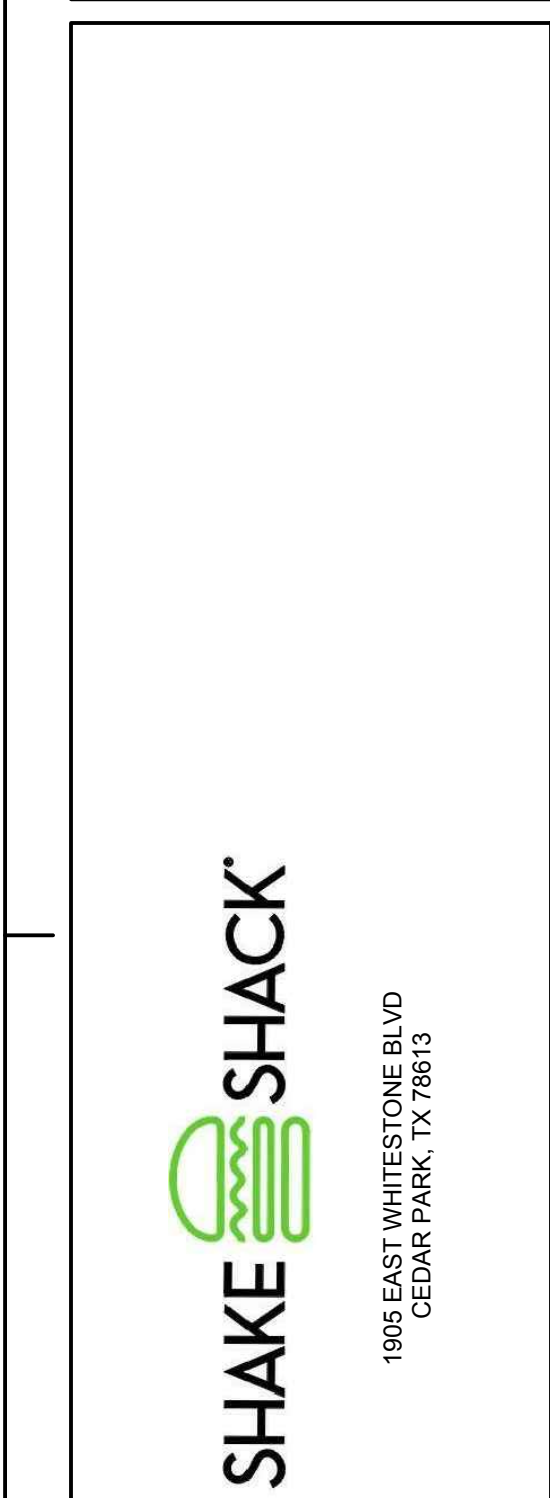
FAN #1 CASRTU3-I.250-24MF-15T-DOAS - HEATER (RTU-1)

- NOTES:
- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
 - DENOTES CORNER WEIGHT.
 - ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.



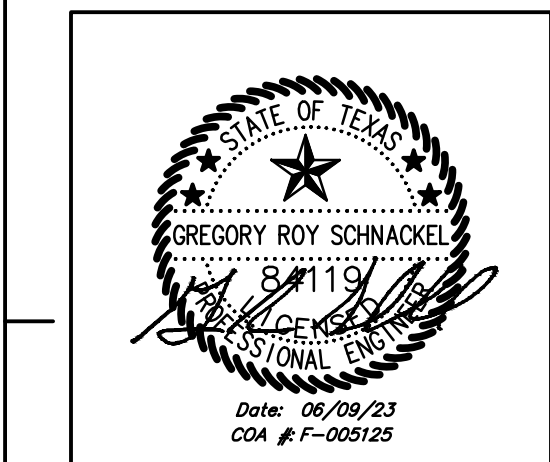


STORE NO: TX 1483



DATE	DESCRIPTION
04/21/2023	REVISION 1
06/09/2023	REVISION 2

STATUS: IFC SET



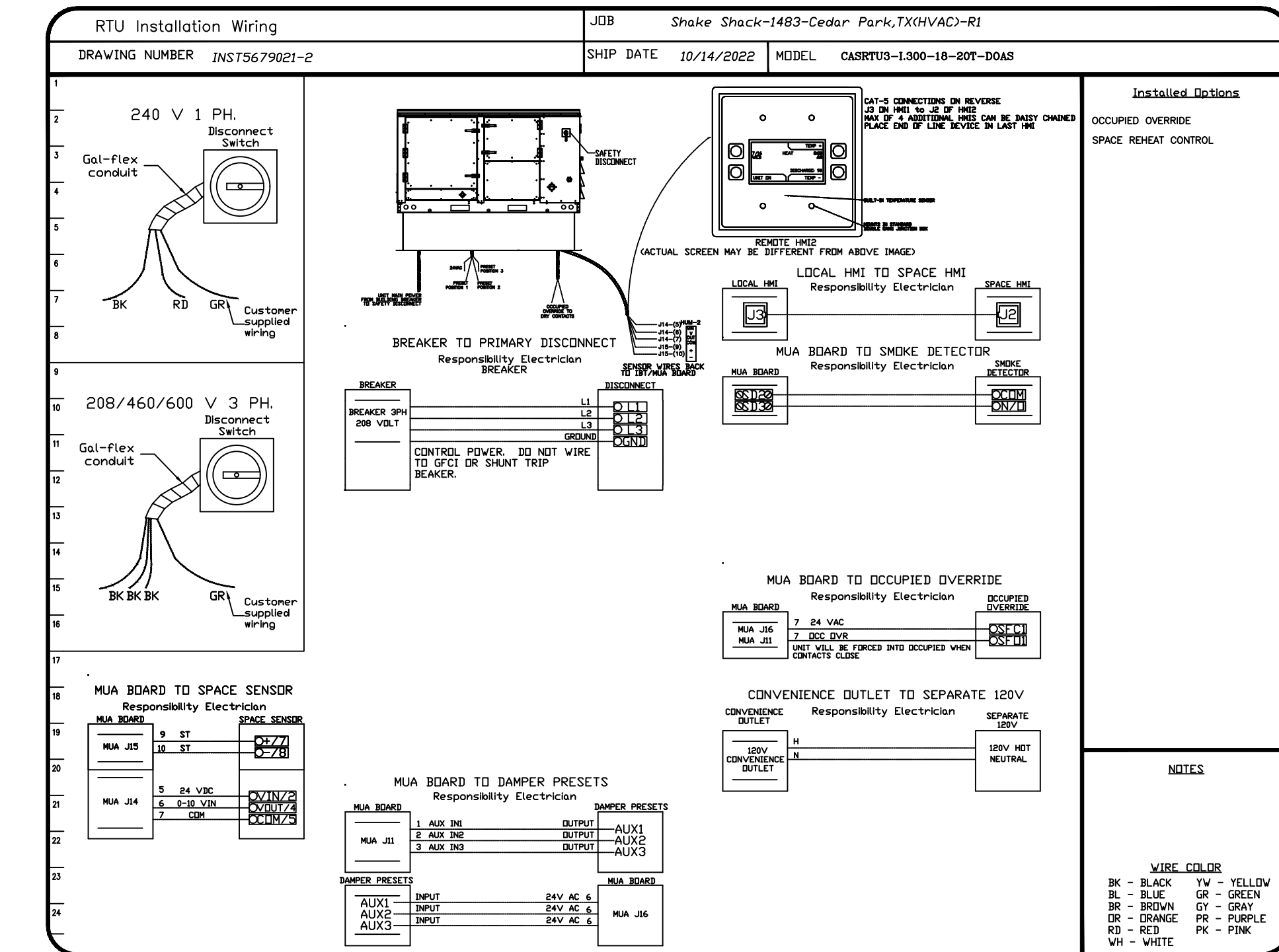
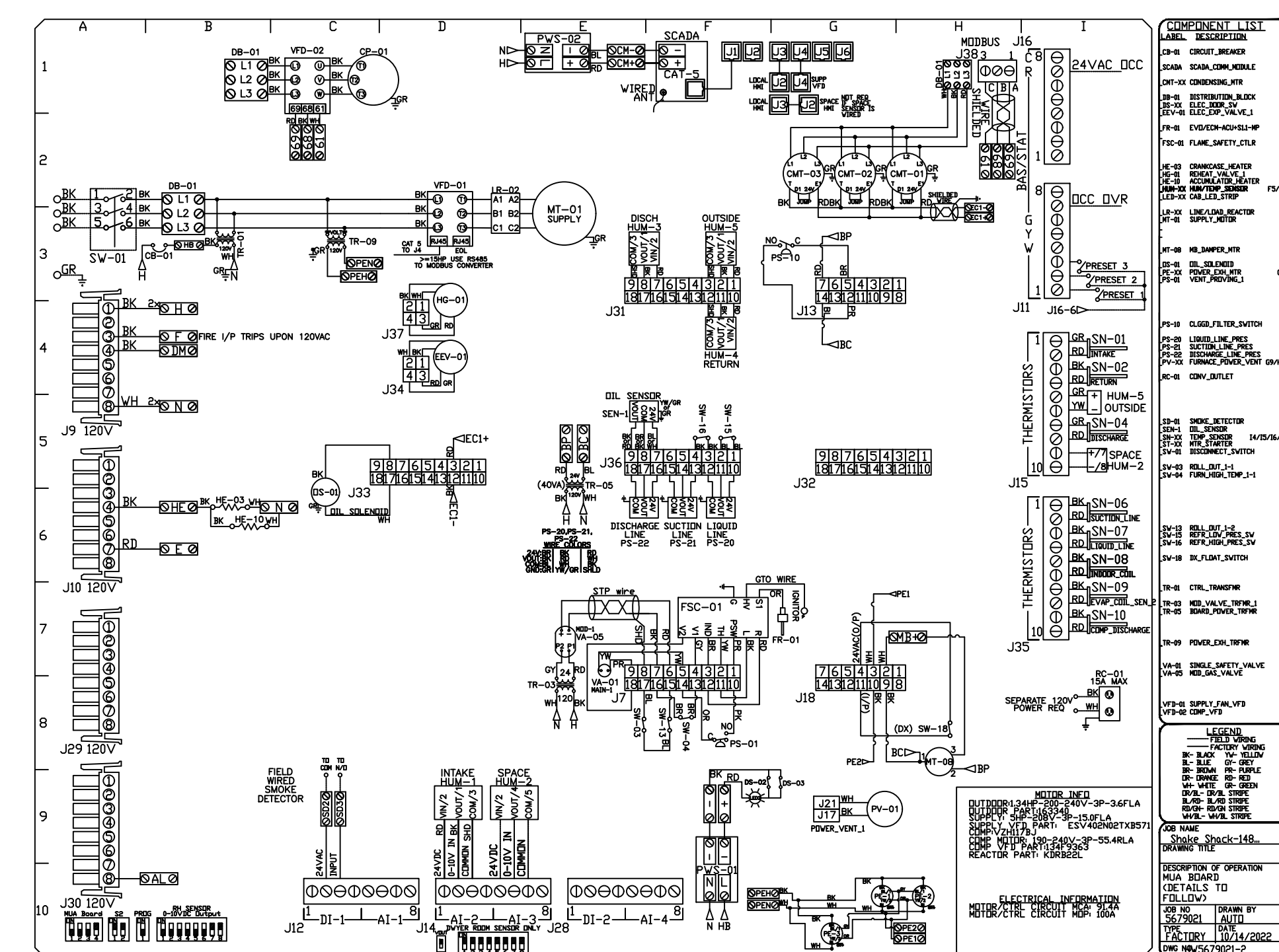
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SHEET NAME:
CAPTIVEAIRE DRAWINGS

DATE: 04/21/2023 PROJECT NO: 35985

DRAWN: RAS SCALE: AS NOTED

SHEET NO: **M713**



WIRE COLOR	WIRE TYPE
BLACK	120V AC
BLUE	240V AC
BROWN	240V AC
GREEN	GROUND
GRAY	GROUND
ORANGE	240V AC
PURPLE	240V AC
RED	240V AC
WHITE	240V AC

DATE: 10/14/2022
DWG.#: 5679021
DRAWN BY: Joe.shiiba

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

SHEET NO. 3

NOTES:
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

