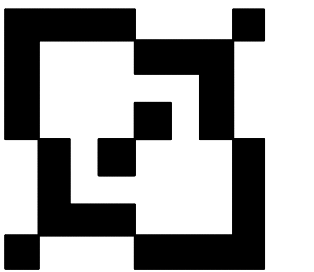


TRICOLOR ENGINEERING, INC

MEP Design
 1217 E Las Tunas Dr.
 San Gabriel, CA 91775
 Tel: (626) 692-1221
 E-mail: tce@tricoloreng.com

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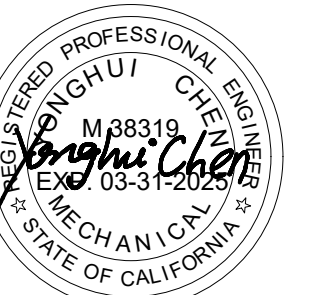


ET DESIGN STUDIO, LLC

12062 CRYSTAL CT CHINO, CA 91710
 TEL: 626.790.9888
 Ella.ETdesign@gmail.com

**PROJECT NAME:
 GOLDEN CORRAL
 FRESNO**

**SITE ADDRESS:
 3617 W SHAW AVE,
 FRESNO, CA 93711**



SEAL

DATE: 12-01-2023
 PROJECT NO.: -
 SCALE: AS NOTED
 DRAWN BY: -
 CHECK BY: CY

REVISION#	DESCRIPTION	DATE
1	FIRST REVISION	5/28/2024

DRAWING TITLE
 HOOD FLOOR PLAN

SHEET NUMBER
M-1.1

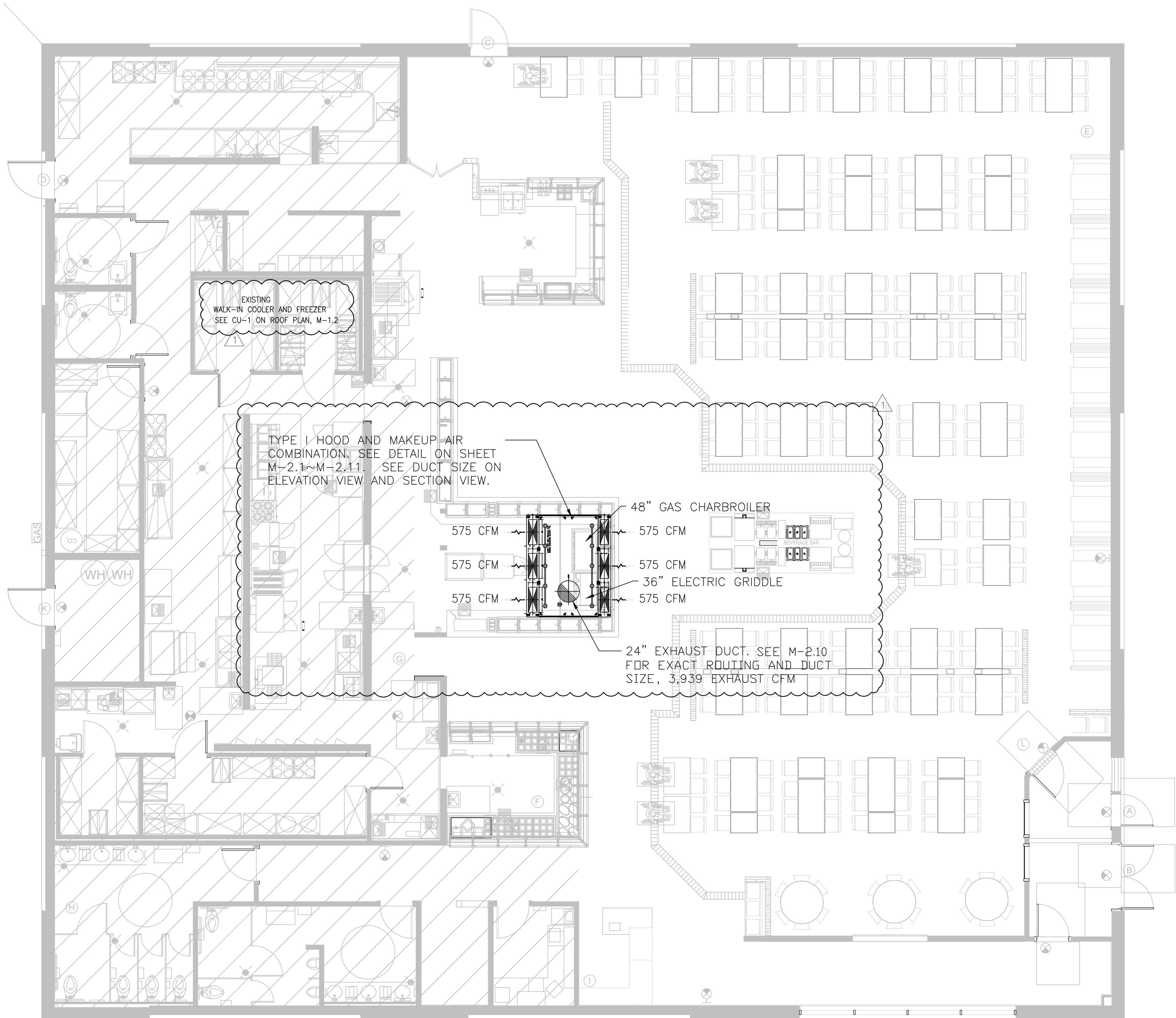
SHEET SIZE: 24 X 36 PLOT 1=1

SCOPE OF WORK
 INSTALL A NEW 9'-6" TYPE I ISLAND HOOD OVER A GAS CHARBROILER AND AN ELECTRIC GRIDDLE IN AN EXISTING BUILDING.
 NOTE: HOOD FIRE SYSTEM WILL BE HANDLED UNDER A SEPARATE PERMIT.

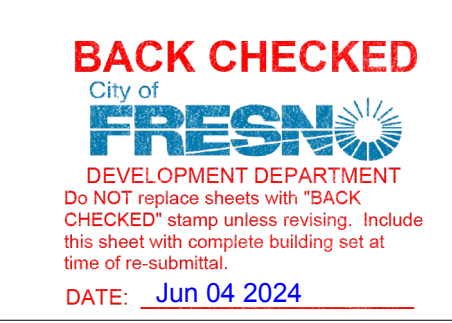
CODE COMPLIANCE
 CALIFORNIA MECHANICAL CODE 2022
 CALIFORNIA ENERGY CODE 2022
 CALIFORNIA BUILDING CODE 2022

SHEET INDEX

SHEET #	SHEET TITLE
M-1.1	HOOD FLOOR PLAN
M-1.2	HOOD ROOF PLAN
M-1.3	HOOD ELEVATION AND SECTION VIEW
M-2.1~M-2.11	DETAILS
M-3	HOOD T24

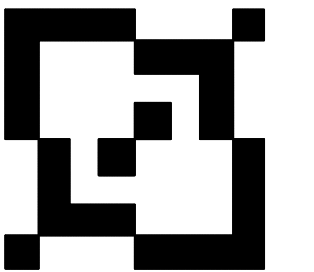


1 HOOD FLOOR PLAN
 M-1.1 SCALE: 3/16"=1'-0"



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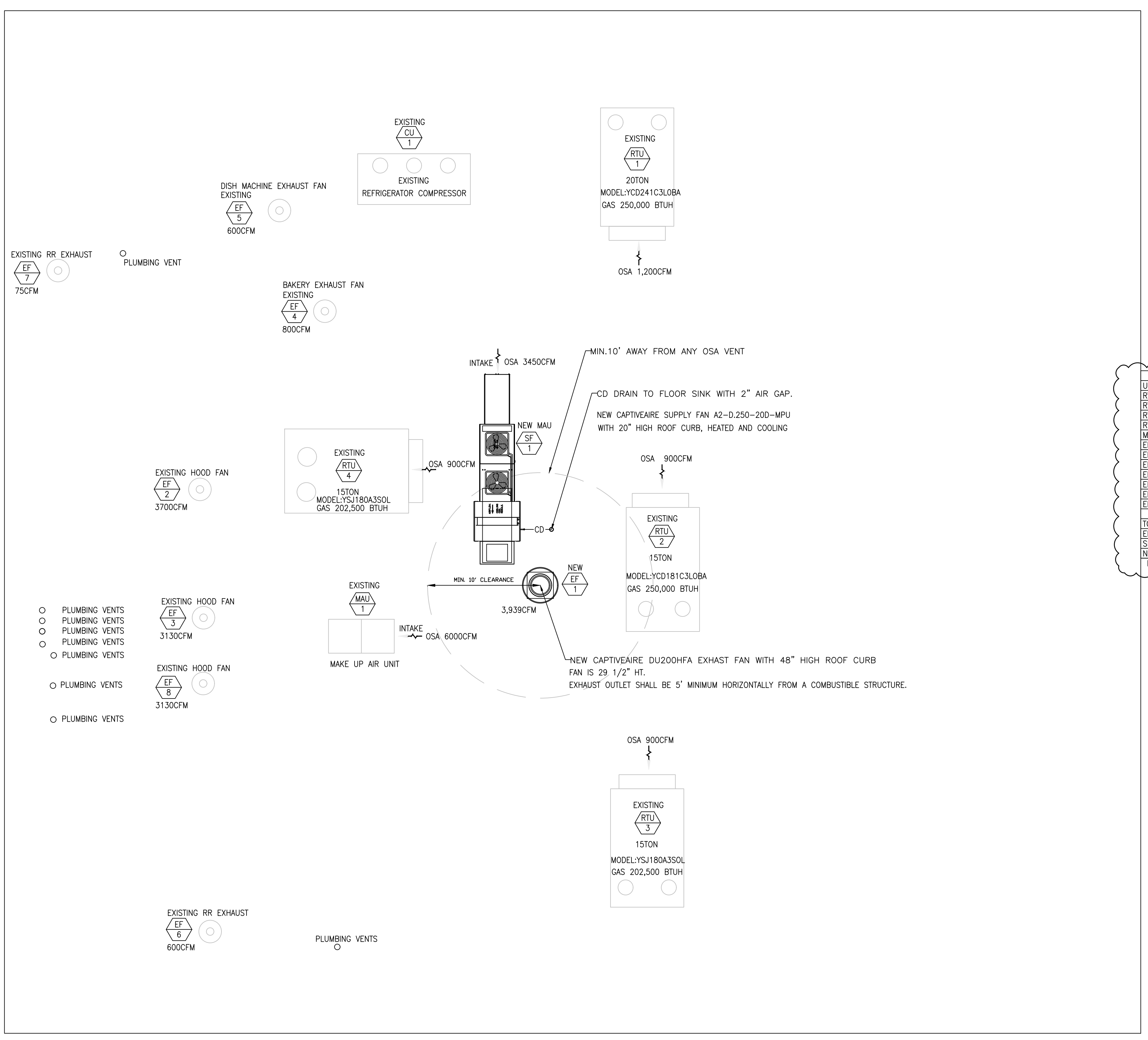
SHEET NUMBER
M-1.2

NOTE: ANY EXHAUST OR VENT ON ROOF SHALL BE AT LEAST 3 FEET ABOVE OR 10 FEET AWAY FROM MAKE UP AIR INLET.

- NOTE:
- i. PRIOR TO THE HOOD FINAL, AN AIR BALANCE REPORT FOR THE HOOD WILL BE REQUIRED. THE REPORT SHALL INCLUDE THE MEASURED EXHAUST AIR QUANTITY (CFM), VELOCITY (FPM), MAKE-UP AIR QUANTITY (CFM), OUTSIDE AIR (CFM), AND PRESSURE RELATIONSHIP BETWEEN THE KITCHEN AND DINING AREAS. THIS WILL BE REQUIRED ON ALL HOODS.
 - ii. COMPLETE LISTED INSTALLATION INSTRUCTIONS FOR THE GREASE DUCT PROTECTION SYSTEM SHALL BE PROVIDED ON SITE TO THE INSPECTOR PRIOR TO OR AT TIME OF INSPECTION. INSPECTION WILL NOT OCCUR WITHOUT INSTALLATION INSTRUCTIONS. INSTALLER SHALL BE CERTIFIED FOR INSTALLATION OF THE PRODUCT SPECIFIED.
 - iii. IF THE TYPE-1 HOOD PLANS DO NOT ACCURATELY REFLECT THE JOB CONDITIONS, OR THE CONSTRUCTION IS NOT PER THE PLANS, NO MECHANICAL INSPECTIONS FOR THE HOOD WILL OCCUR UNTIL AN ADDENDUM APPROVED BY THE CITY OF FRESNO IS OBTAINED. ADDENDUM SHALL BE APPROVED PRIOR TO ANY START OF WORK.
 - iv. ALL MATERIALS IN WALL BEHIND TYPE 1 HOOD TO BE NON-COMBUSTIBLE, INCLUDING BUT NOT LIMITED TO PLUMBING PIPES, ELECTRICAL CONDUIT/BOXES, AND WALL FRAMING.

AIR BALANCE FOR GOLDEN CORRAL FRESNO

UNIT	OUTSIDE (CFM)	MUA UNIT (CFM)	EXHAUST (CFM)	SERVING
RTU-1 (EXISTING SPACE COOLING AND HEATING)	+2,300			KITCHEN 20 TON UNIT TRANE
RTU-2 (EXISTING SPACE COOLING AND HEATING)	+1,500			DINING 15 TON UNIT TRANE
RTU-3 (EXISTING SPACE COOLING AND HEATING)	+1,500			DINING 15 TON UNIT TRANE
RTU-4 (EXISTING SPACE COOLING AND HEATING)	+1,500			DINING 15 TON UNIT TRANE
MAU-1 (EXISTING KITCHEN MAKE-UP AIR)		+6,000		THIS UNIT CAN SUPPLY UP TO 7500 CFM WITH 5 HPMOTOR
EF8 (EXISTING KITCHEN HOOD)			-3,130	MAIN COOK HOOD
EF2 (EXISTING KITCHEN HOOD)			-3,700	MAIN COOK HOOD
EF3 (EXISTING KITCHEN HOOD)			-3,130	MAIN COOK HOOD
EF4 (EXISTING BAKERY)			-800	BAKERY HOOD
EF5 (EXISTING DISHWASHING)			-600	DISHHOOD
EF6 (EXISTING RR)			-600	RESTROOMS
EF7 (EXISTING RR)			-75	EMPLOYEE RESTROOMS
TOTAL EXISTING CONDITIONS	+6,800	+6,000	-12,035	
EF1 (NEW HOOD)			-3,939	GRILLHOUSE FOODBAR
SF-1 (NEW MAU)		+3,450		GRILLHOUSE FOODBAR
NEW BUILDING TOTALS	+6,800	+9,450	-15,974	
NET		+276 CFM		

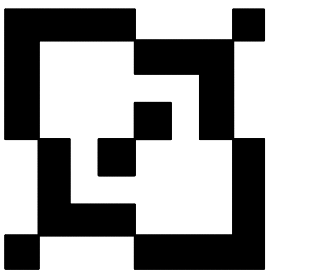


1 HOOD ROOF PLAN
 M-1.2 SCALE: 3/16"=1'-0"



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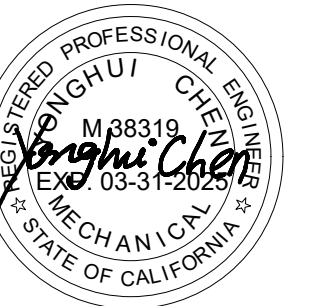


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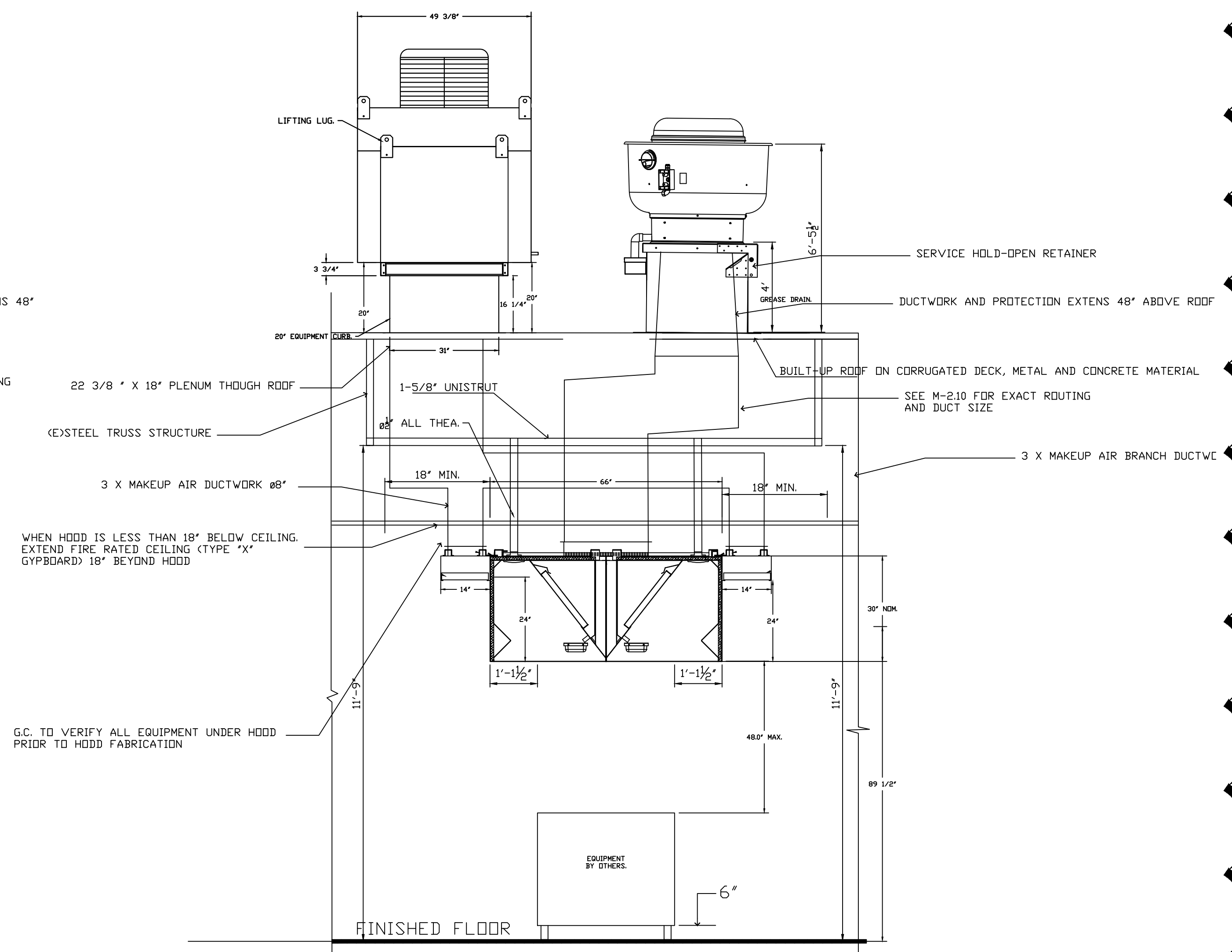
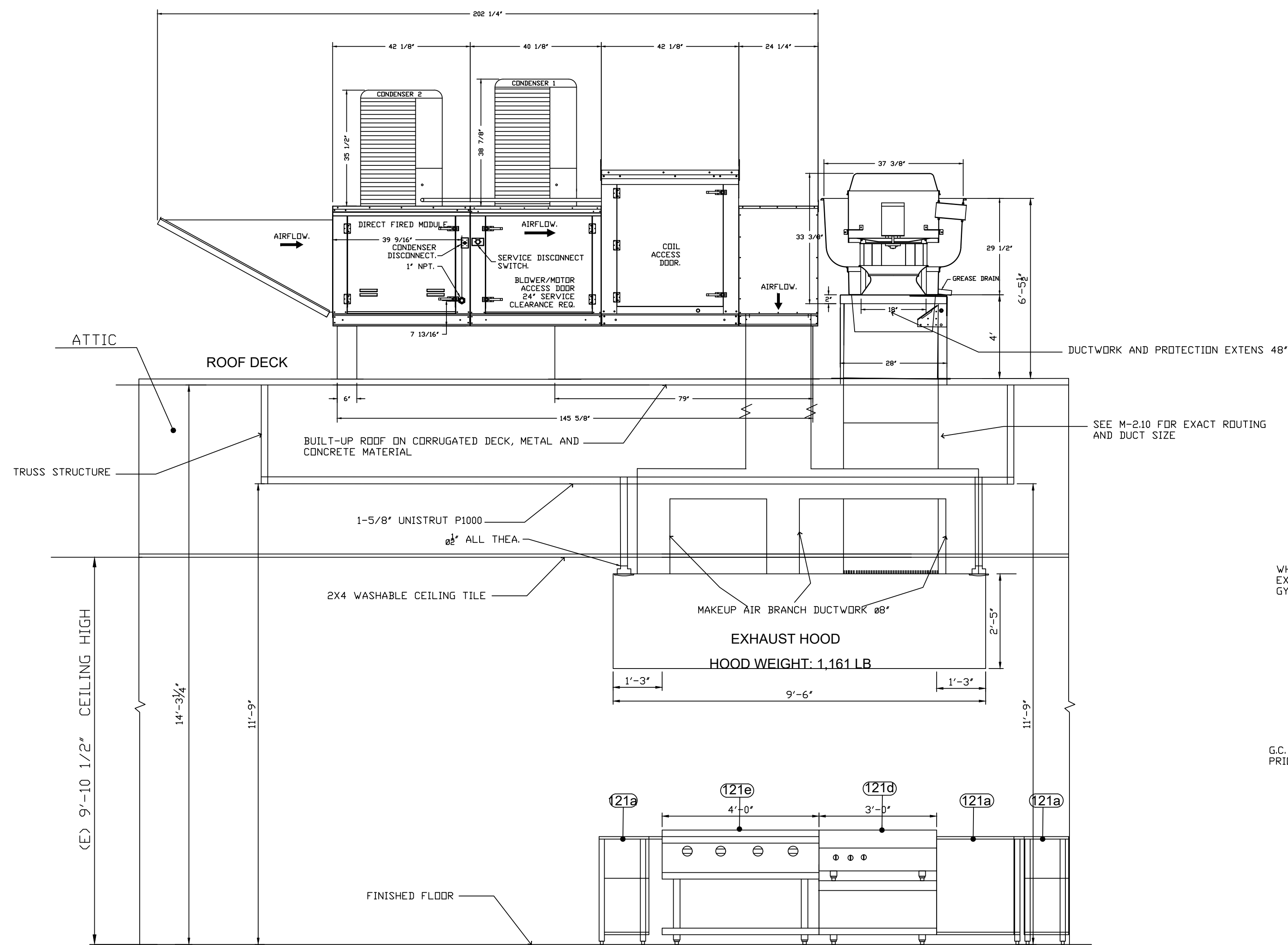
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DRAWING TITLE
HOOD SECTION

SHEET NUMBER
M-1.3



FOR QUESTIONS, CALL THE
National Accounts
REGION 15
PHONE: (919) 882 - 2410
EMAIL: reg15@captivaire.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#6707227

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	RDW
1	GRILLHOUSE	6630 NDI-PSP-FB	CAPTIVEAIRE	9' 4"	600 DEG	I	HEAVY	422	3940			4'	24"	3940	1831	-0.939"	3467	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)				LIGHT(S)			UTILITY CABINET(S)			FIRE SYSTEM	HOOD HANGING WEIGHT		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE			TYPE	SIZE
1	GRILLHOUSE	CAPTRATE SOLID FILTER	14	20"	16"	85% SEE FILTER SPEC	10	RECESSED ROUND	NO					NO	1281 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	GRILLHOUSE	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT, BACK. LEFT END STANDOFF (FIN/INS- ISLAND) 1' WIDE 66" LONG INSULATED. RIGHT END STANDOFF (FIN/INS- ISLAND) 1' WIDE 66" LONG INSULATED. INSULATION FOR TOP OF HOOD.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG	DIA	CFM	SP
1	GRILLHOUSE	Back	114"	14"	6"	MUA	10"	28"		577	0.155"
						MUA	10"	28"		577	0.155"
						MUA	10"	28"		577	0.155"
		Front				MUA	10"	28"		577	0.155"
						MUA	10"	28"		577	0.155"
						MUA	10"	28"		577	0.155"

WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S)			WEIGHT
			FIRE SYSTEM	ELECTRICAL	SWITCHES	
1	WALL MNT	12"x36"x24"	TANK FS	4.0/4.0		300.00 LBS

GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.
IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

VERIFY CEILING HEIGHT
____' - ____"
HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

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.

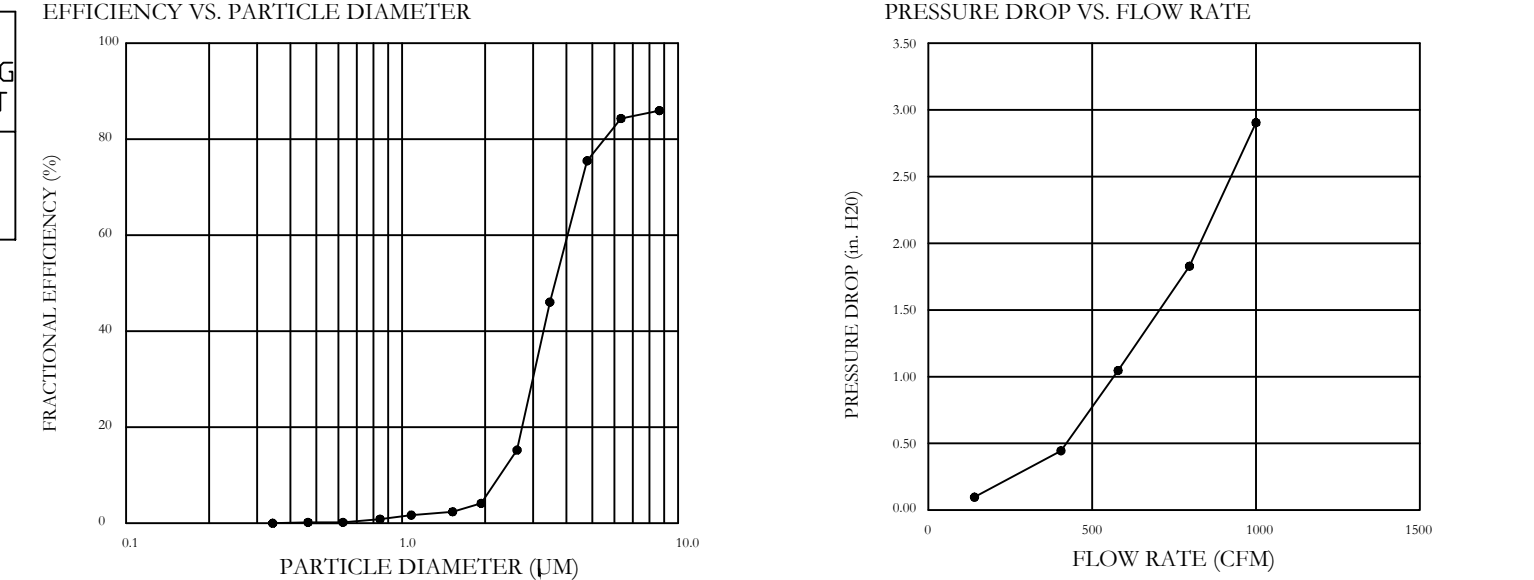
CUSTOMER APPROVAL TO MANUFACTURE:

APPROVED AS NOTED	<input type="checkbox"/>
APPROVED WITH NO EXCEPTION TAKEN	<input type="checkbox"/>
REVISE AND RESUBMIT	<input type="checkbox"/>
SIGNATURE _____	
YOUR TITLE _____	DATE _____

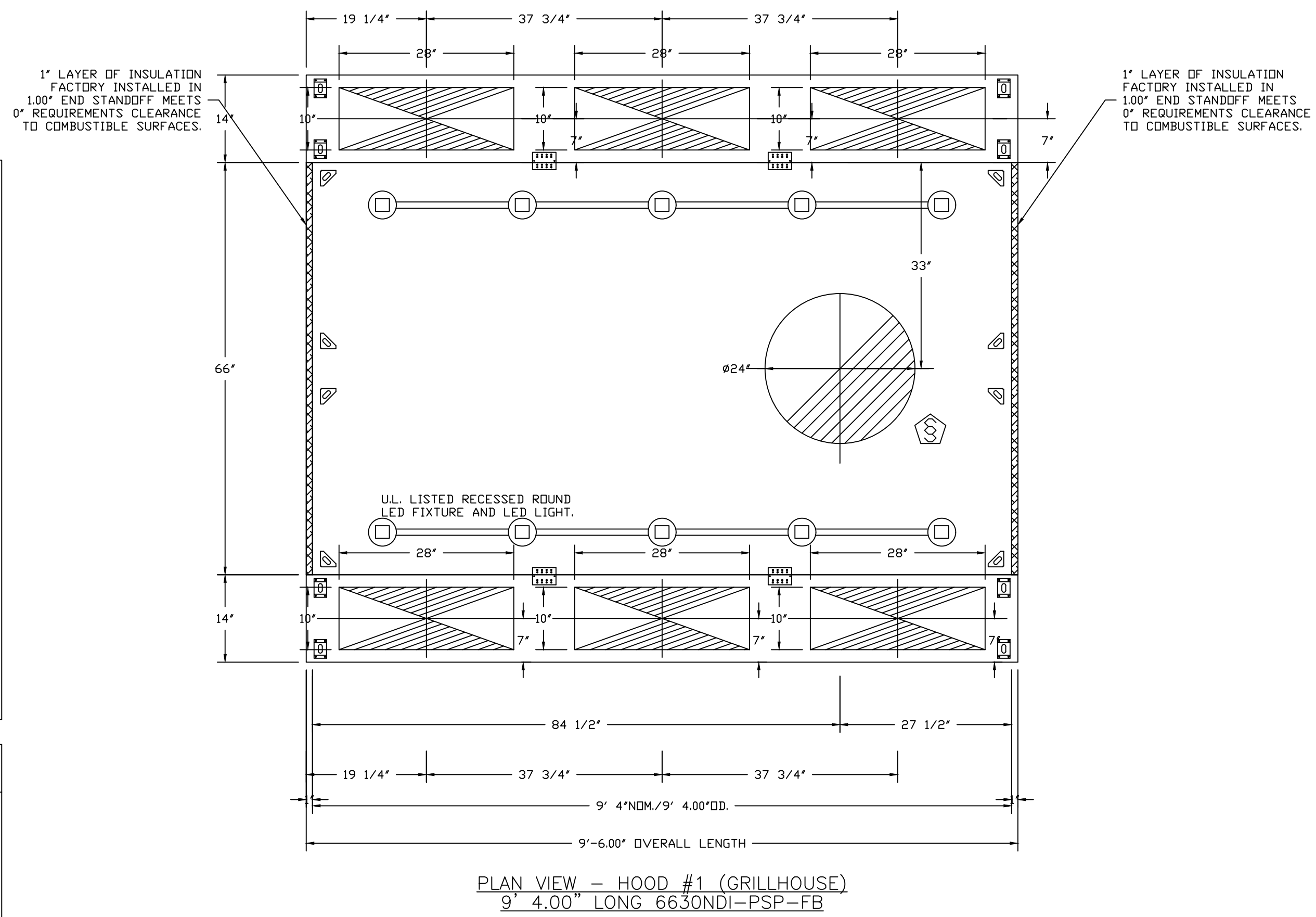
SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER

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.



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.



REVISIONS

DESCRIPTION	DATE
△ FIRST REVISION	5/28/2024



GOLDEN CORRAL - FRESNO CA - R5
3617 WEST SHAW AVENUE, TAG: P0#
Fresno, CA, 93711

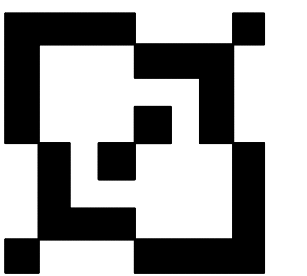
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DWG.#: 6707227
DRAWN BY: ZDH
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
1

TRICOLOR ENGINEERING, INC

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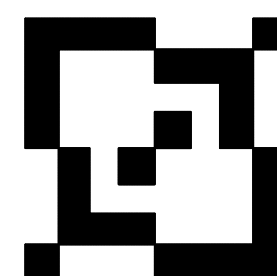
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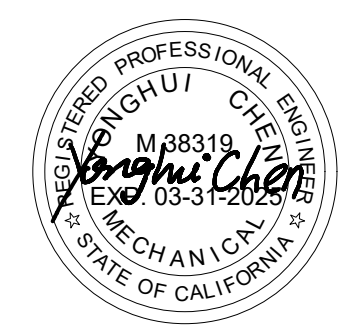
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DETAILS**

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M-2.2**

REVISIONS	
DESCRIPTION	DATE

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GOLDEN CORRAL - FRESNO CA - R5
3617 WEST SHAW AVENUE, TAG: PO#
Fresno, CA, 93711

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DWG.#: 6707227
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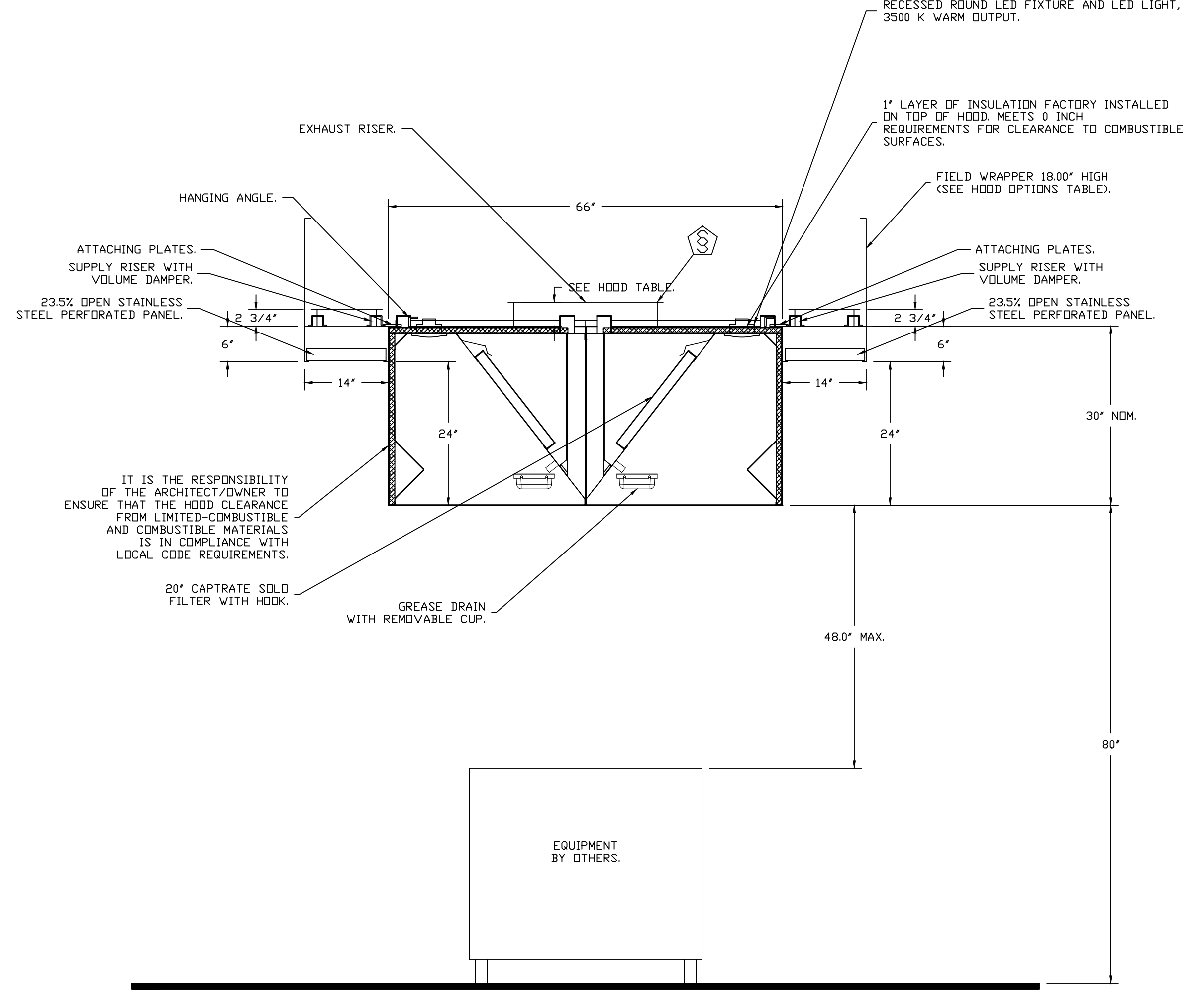
BACK CHECKED
City of FRESNO
DEVELOPMENT DEPARTMENT
Do NOT replace sheets with "BACK CHECKED" stamp unless revising. Include line of re-submittal.
DATE: Jun 04 2024

SHEET NO.
2

CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	MIN CLEARANCE
1	TOP	0"
	FRONT	18"
	BACK	18"
	LEFT	0"
	RIGHT	0"

- *0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.

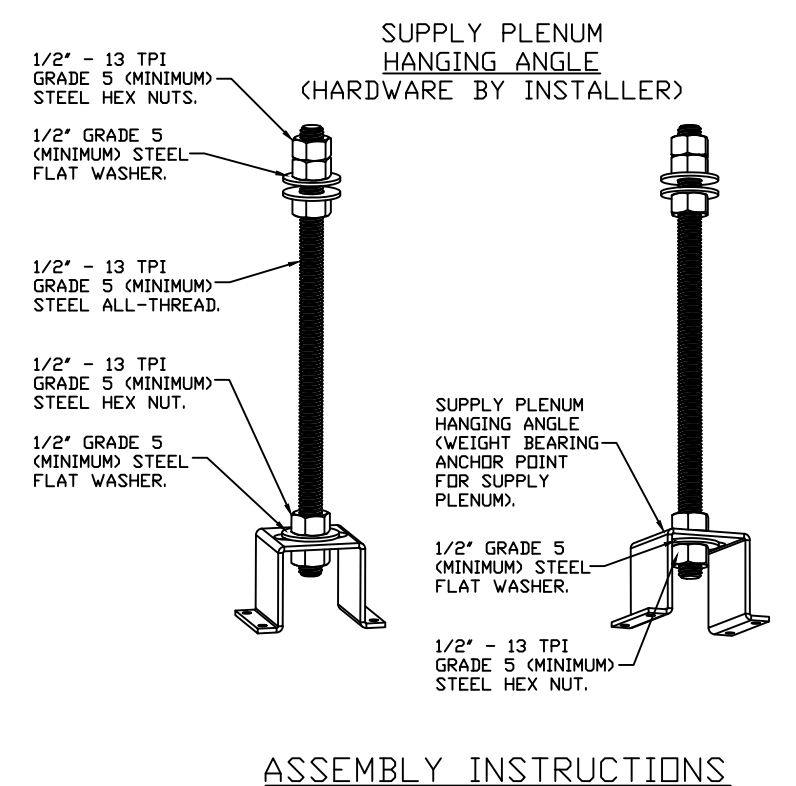
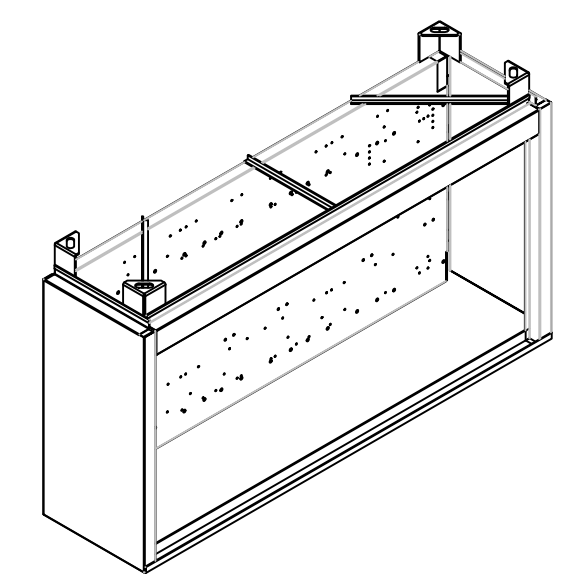
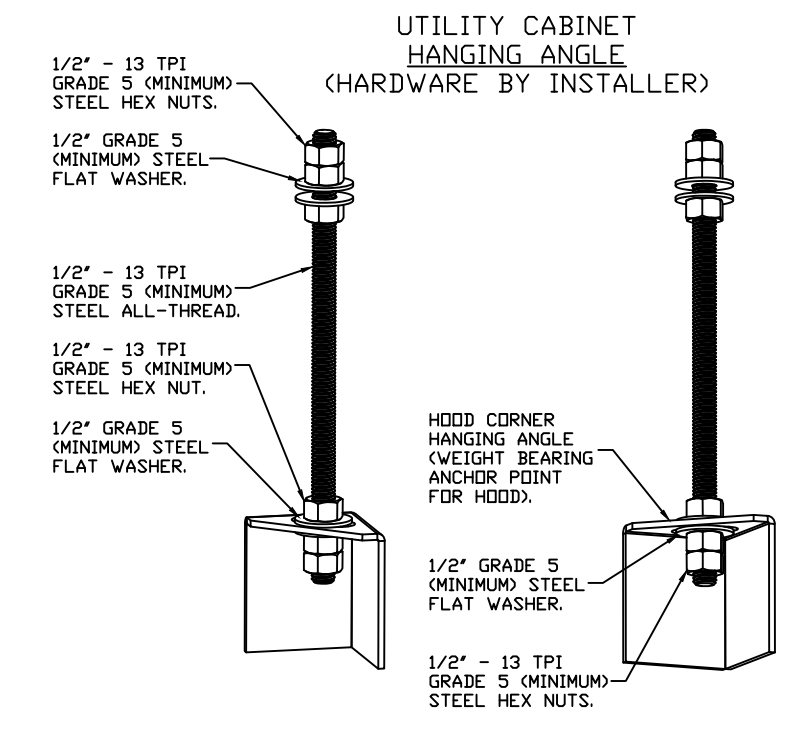


**SECTION VIEW - MODEL 6630NDI-PSP-FB
HOOD - #1 (GRILLHOUSE)**

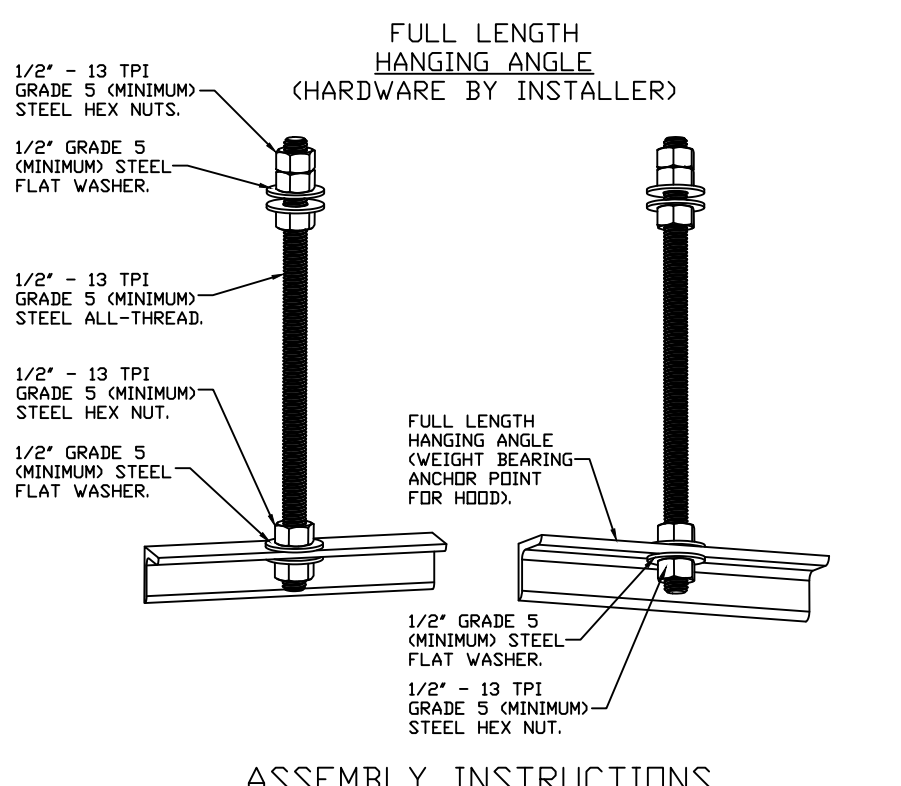
WALL-MOUNT UTILITY CABINET ASSEMBLY INSTRUCTIONS

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 UTILITY CABINET HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

CABINET TO BE HUNG BY HOOD INSTALLER. SEE UTILITY CABINET SCHEDULE FOR CABINET SIZE.

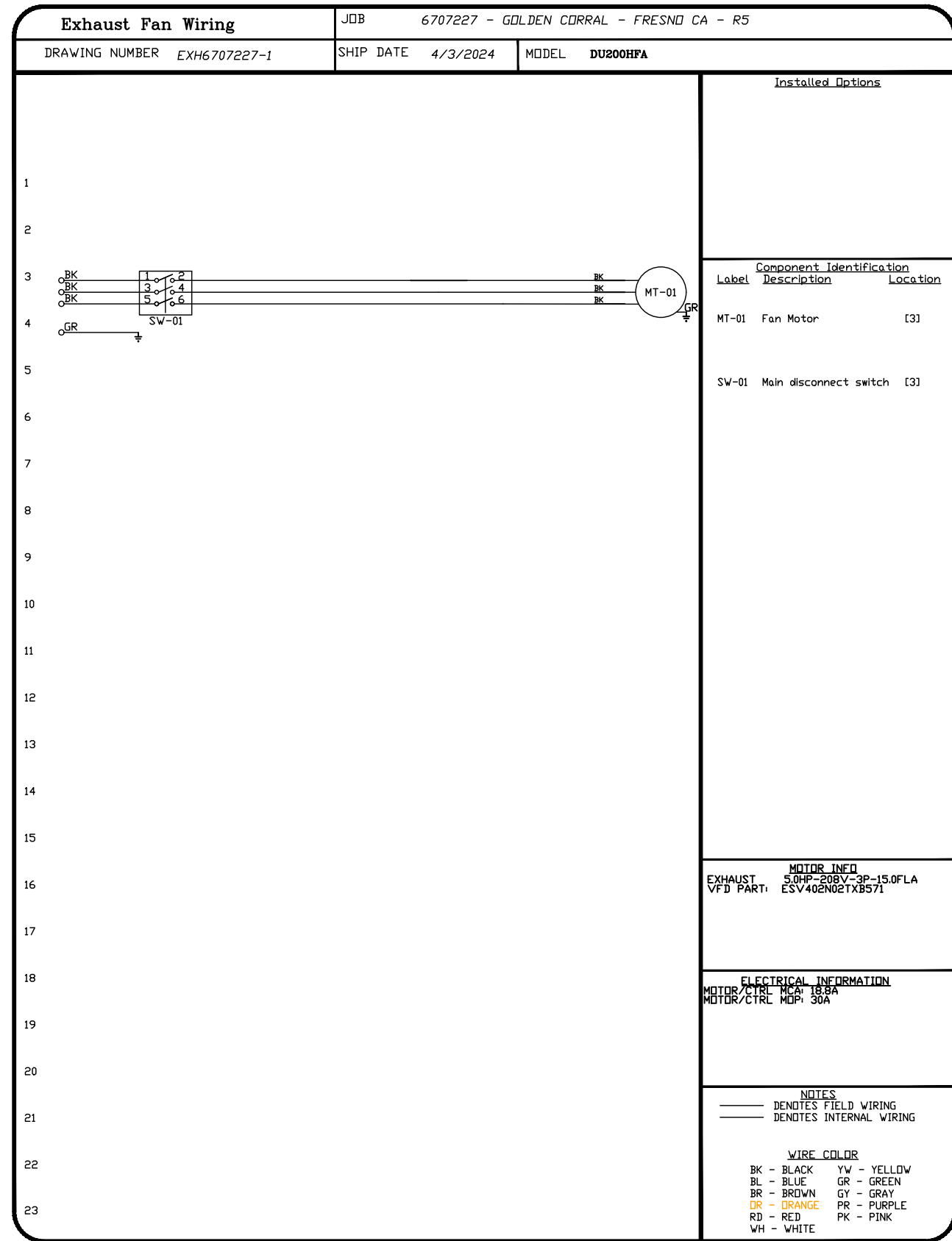


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REVISIONS	
DESCRIPTION	DATE

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<p>GOLDEN CORRAL - FRESNO CA - R5</p> <p>3617 WEST SHAW AVENUE, TAG: PO#</p> <p>Fresno, CA, 93711</p>	<p>SEAL</p> <p>DATE: 12-01-2023</p> <p>PROJECT NO.: -</p> <p>SCALE: AS NOTED</p> <p>DRAWN BY: -</p> <p>CHECK BY: CY</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REVISION#</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>△</td> <td>FIRST REVISION</td> <td>5/28/2024</td> </tr> </table>	REVISION#	DESCRIPTION	DATE	△	FIRST REVISION	5/28/2024
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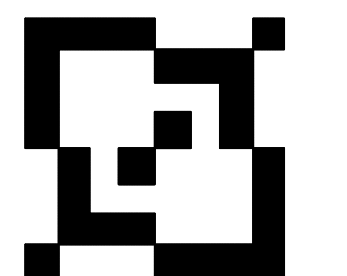
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MASTER DRAWING
SHEET NO. 5

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MEP Design
 1217 E Las Tunas Dr.
 San Gabriel, CA 91775
 Tel: (626) 692-1221
 E-mail: tce@tricoloreng.com

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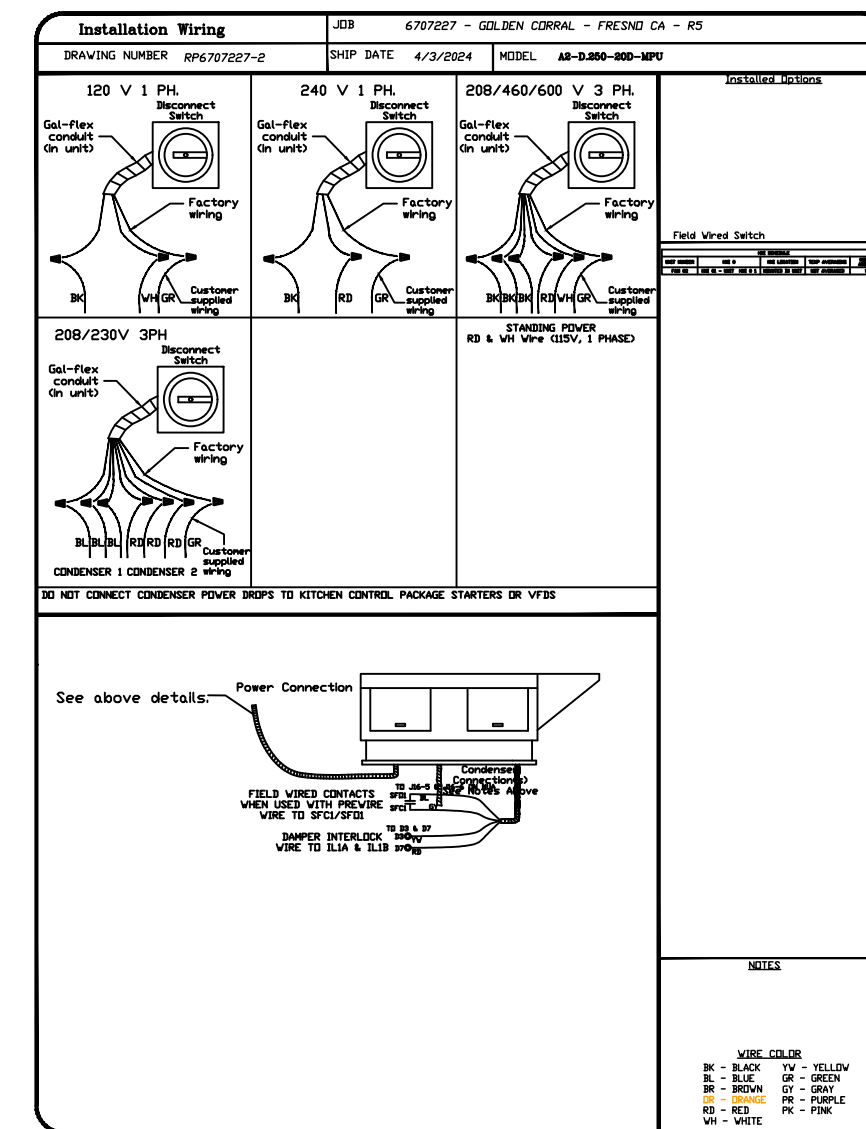
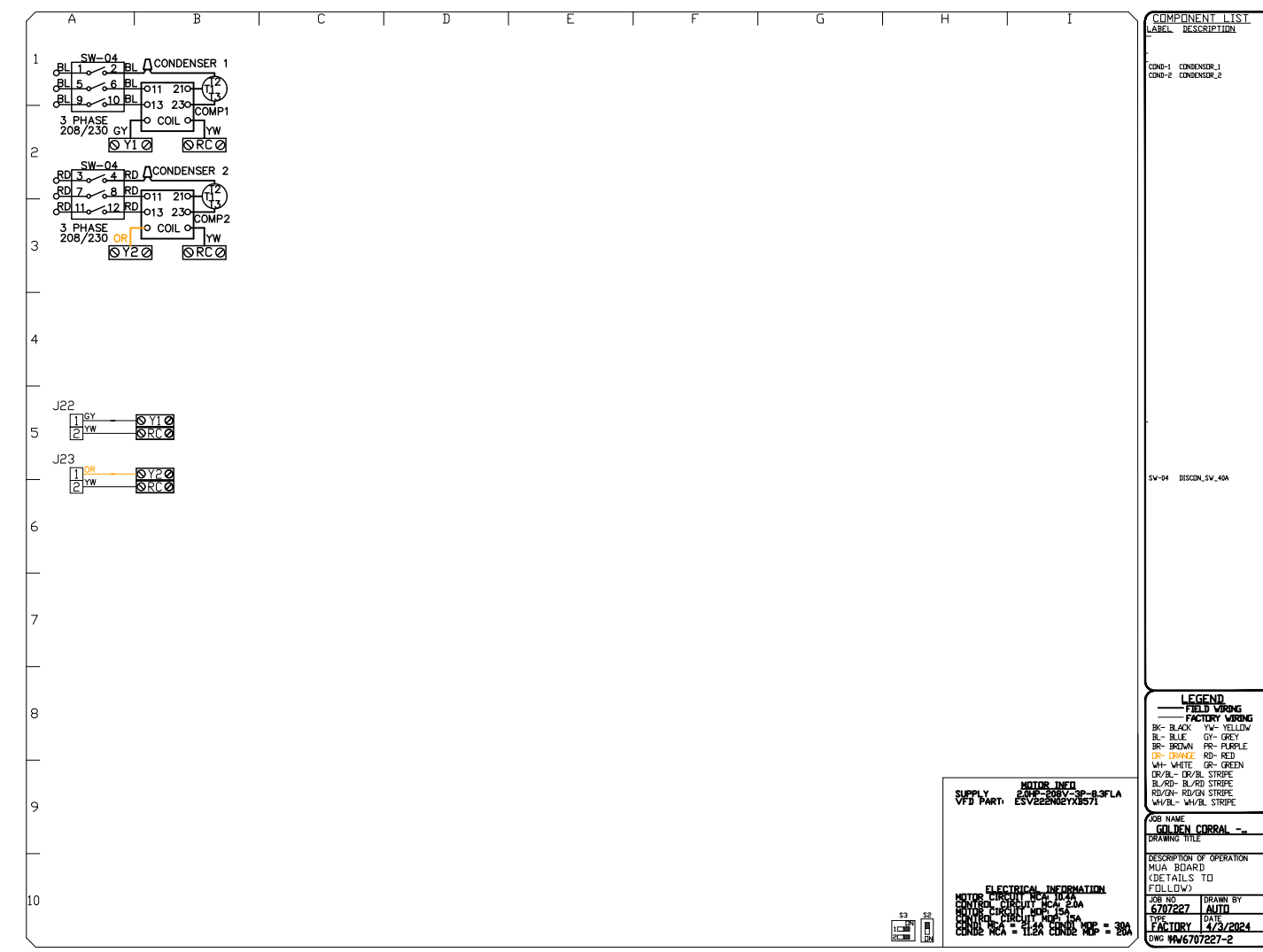
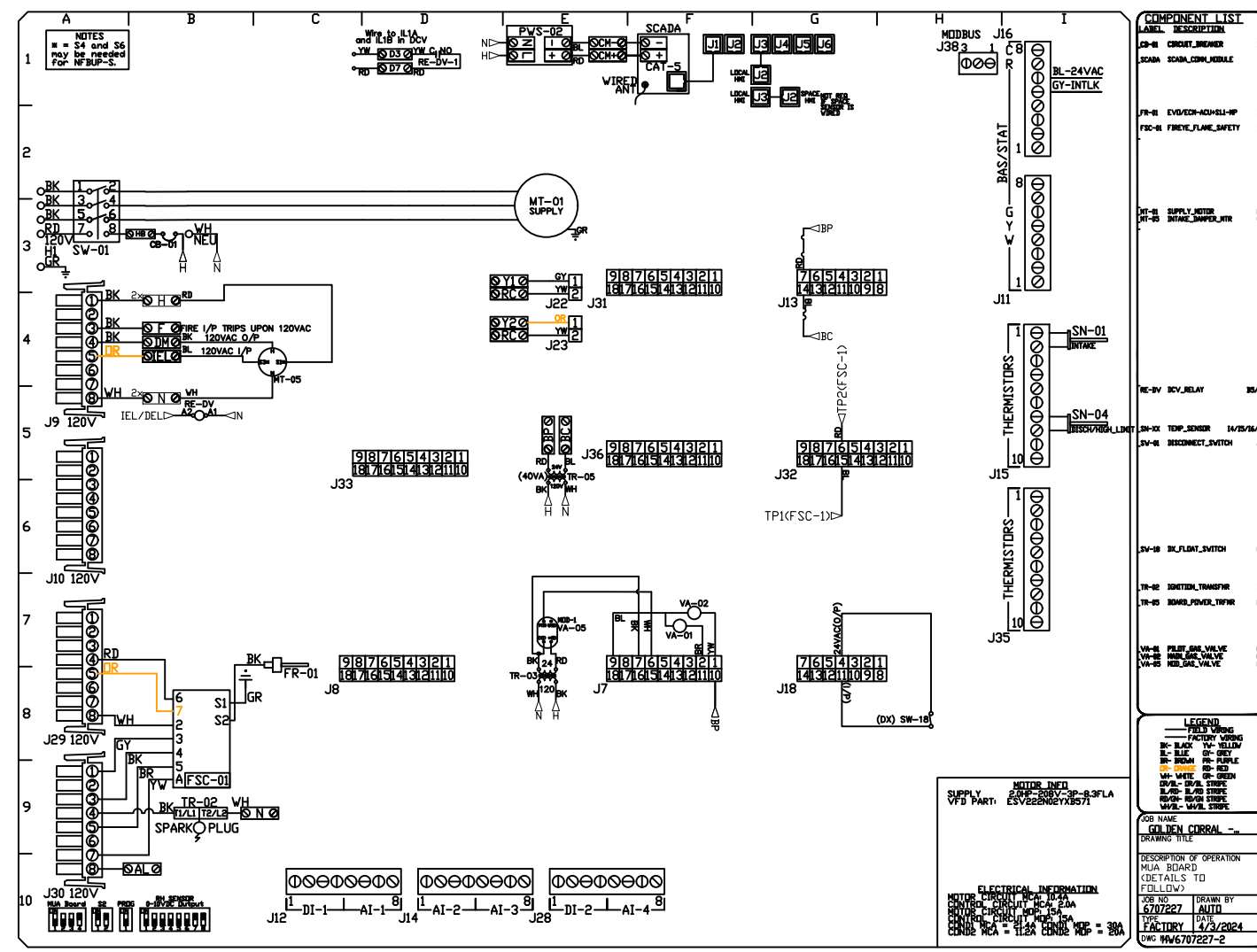


ET DESIGN STUDIO,LLC
 12062 CRYSTAL CT CHINO, CA 91710
 TEL: 626.790.9888
 Ella.ETdesign@gmail.com

PROJECT NAME:
GOLDEN CORRAL
FRESNO

SITE ADDRESS:
3617 W SHAW AVE,
FRESNO, CA 93711

BACK CHECKED
 City of **FRESNO**
 DEVELOPMENT DEPARTMENT
 Do NOT replace sheets with "BACK CHECKED" stamp unless revising. Include this sheet with complete building set at time of re-submittal.
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REVISIONS	
DESCRIPTION	DATE

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GOLDEN CORRAL - FRESNO CA - R5
3617 WEST SHAW AVENUE, TAG: PO#
Fresno, CA, 93711

DATE: 4/3/2024
DWG.#: 6707227
DRAWN BY: ZDH
SCALE: 1/2" = 1'-0"
MASTER DRAWING

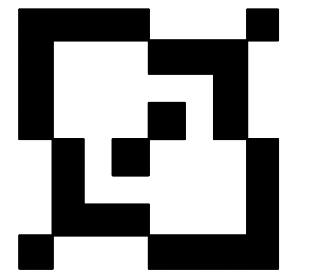
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6

TRICOLOR ENGINEERING, INC

MEP Design
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Tel: (626) 692-1221
E-mail: tce@tricoloreng.com

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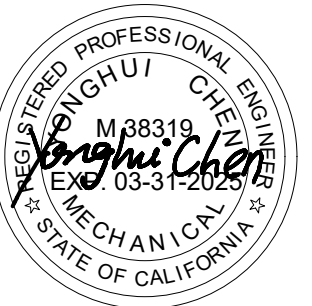
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SEAL

DATE:	12-01-2023
PROJECT NO.:	-
SCALE:	AS NOTED
DRAWN BY:	-
CHECK BY:	CY

REVISION#	DESCRIPTION	DATE
△ 1	FIRST REVISION	5/28/2024

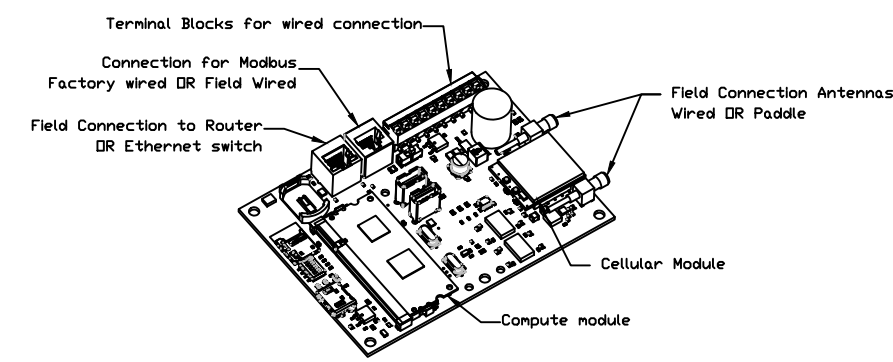
DRAWING TITLE
DETAILS

SHEET NUMBER
M-2.6



ELECTRICAL PACKAGE - JOB#6707227

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA	
1		SC-31110MA	WALL MOUNT IN SS BOX	FACE MOUNT RIGHT SIDE OF HOOD HOOD # 1	1 LIGHT 1 FAN	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	EF-1	EXHAUST	3	5,000	208	15.0
							SF-1	SUPPLY	3	2,000	208	8.3

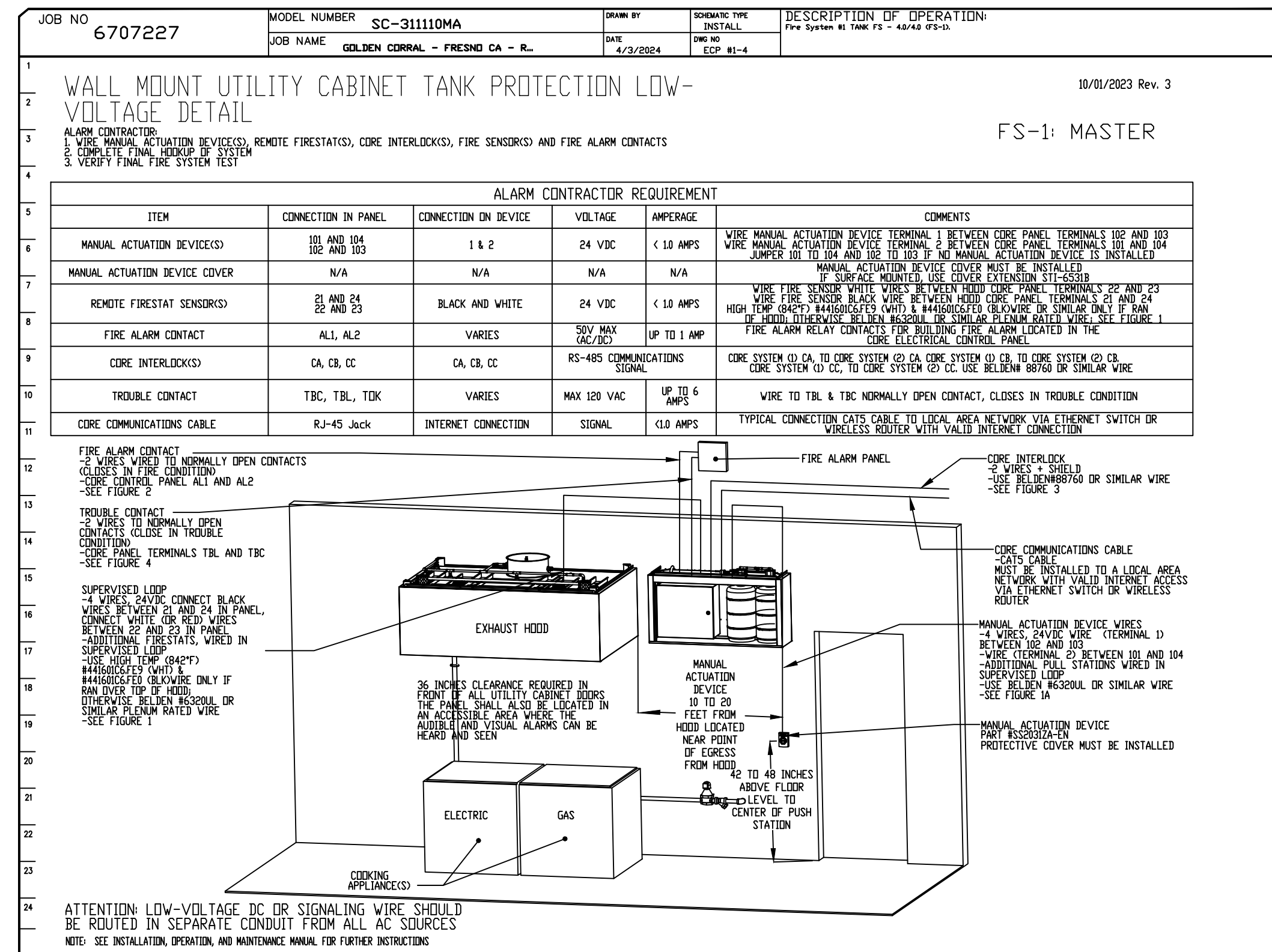
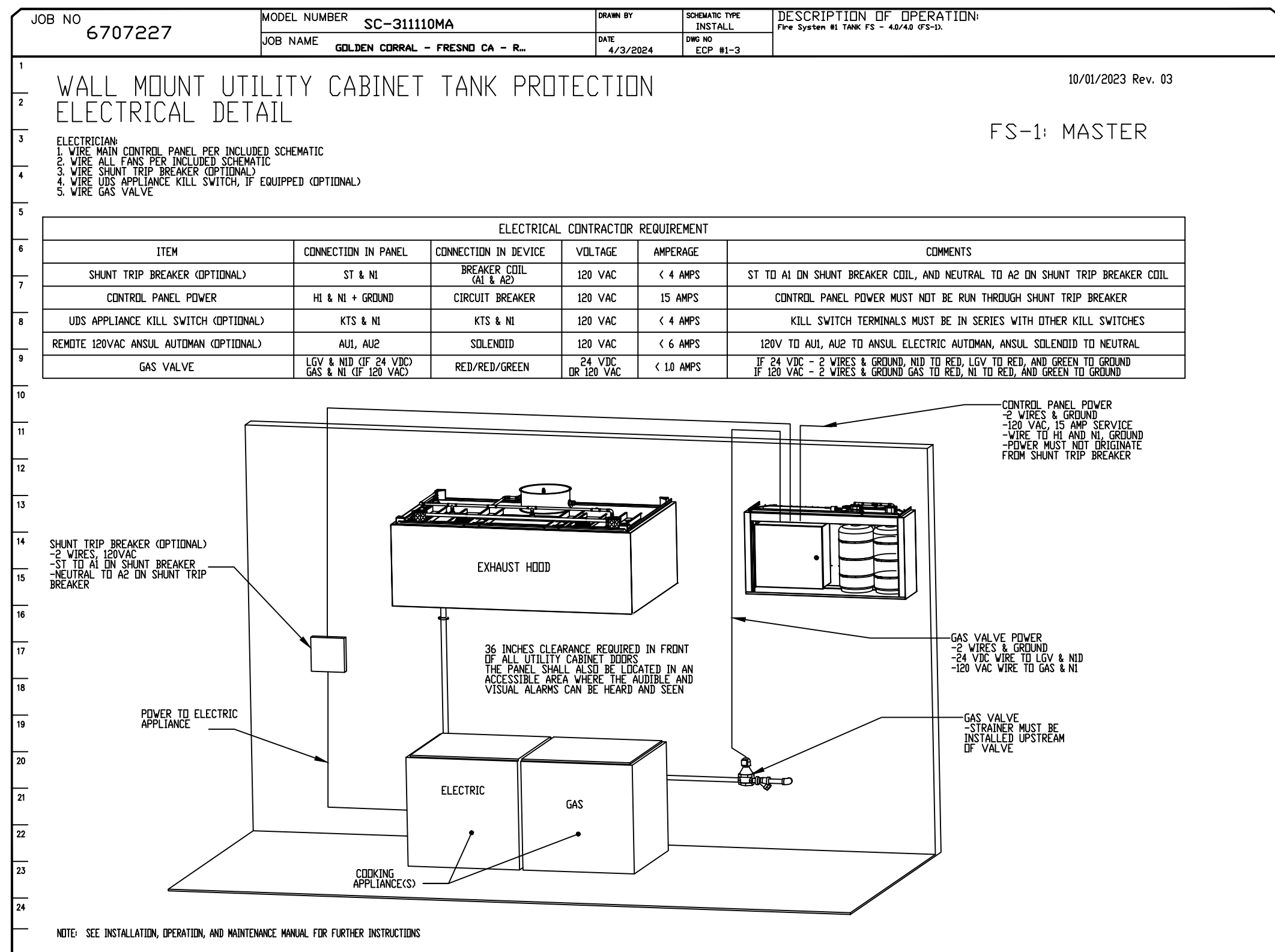
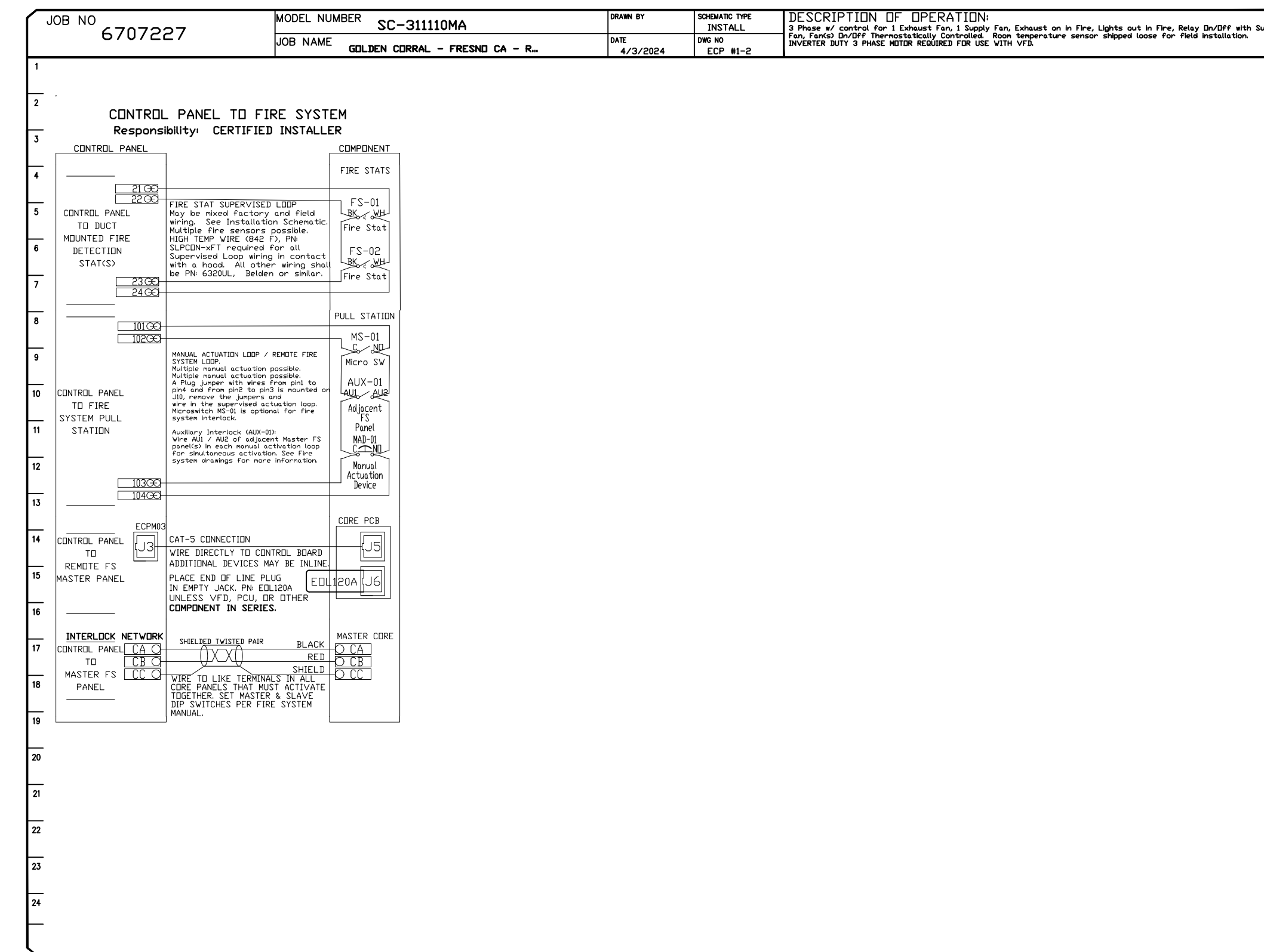
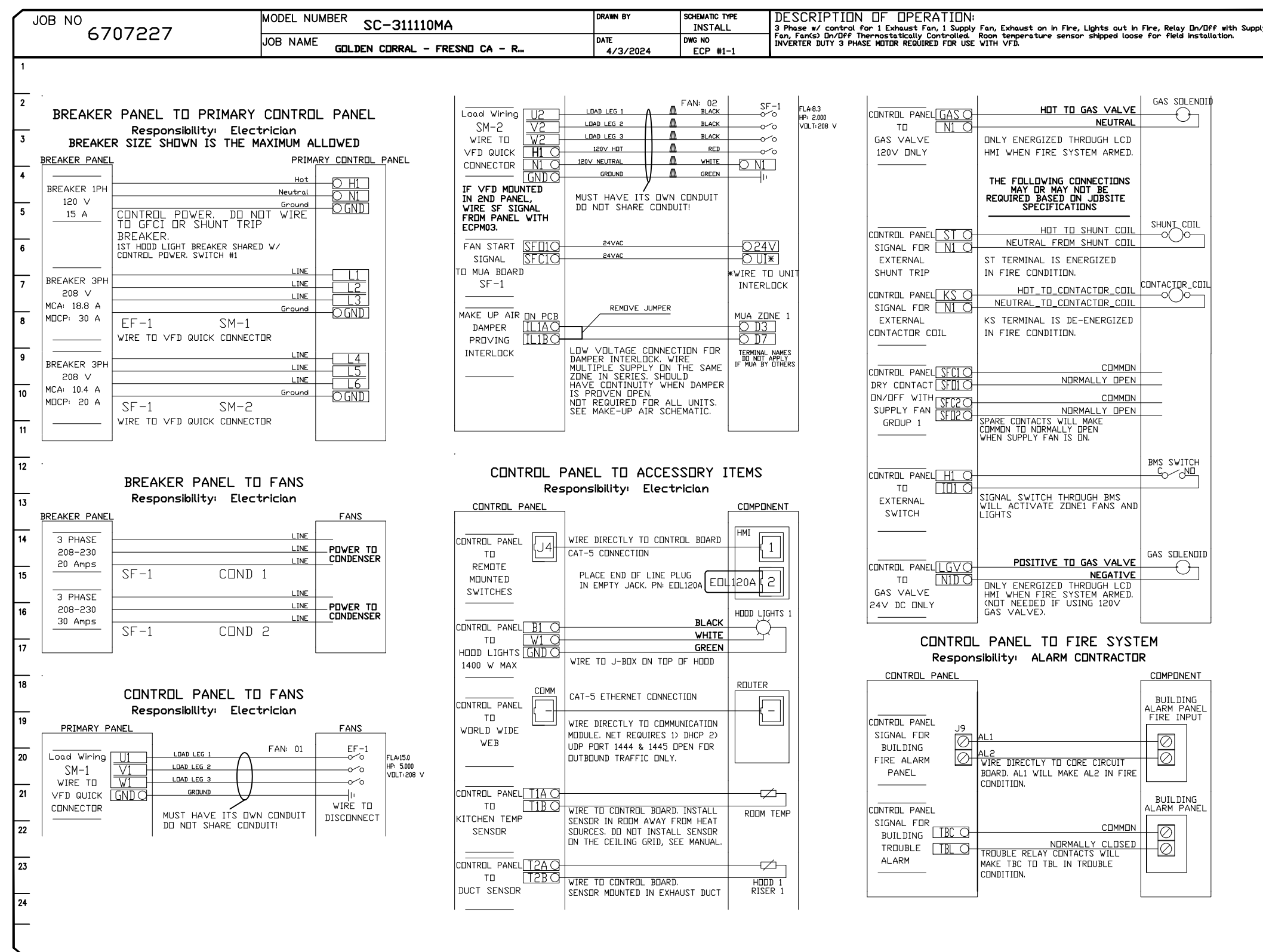


CASink Monitor and Control

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 in MONITOR in the points list.
 - Hood Control Panel to allow cloud-based Building Management System to control parameter outlined in 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

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 Status	MONITOR
Fan Power	MONITOR	Fan Faults	MONITOR
VFD Faults	MONITOR	PCU Filter Clap Percentages	MONITOR
Controller Faults	MONITOR	Fan Condition	MONITOR
Fan Faults	MONITOR	PCU Fans System	MONITOR
PCU Status	MONITOR	Building Pressure	MONITOR
PCU Faults	MONITOR	Fans Button(s)	MONITOR & CONTROL
PCU Filter Clap Percentages	MONITOR	Alpha Button(s)	MONITOR & CONTROL
Fan Condition	MONITOR	Push Button	MONITOR & CONTROL
CORE Fire System	MONITOR		
Building Pressure	MONITOR		
Prep Time Button	MONITOR & CONTROL		
Fans Button	MONITOR & CONTROL		
Lights Button	MONITOR & CONTROL		
Push Button	MONITOR & CONTROL		



REVISIONS

NO.	DESCRIPTION	DATE
1		
2		
3		
4		

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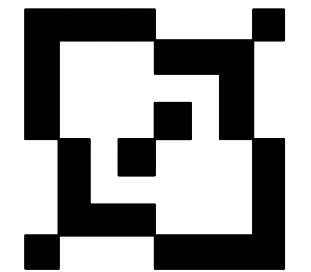
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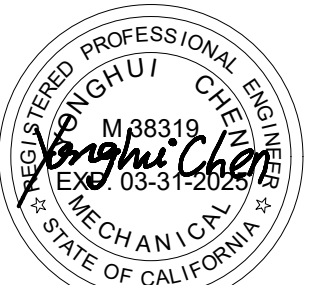
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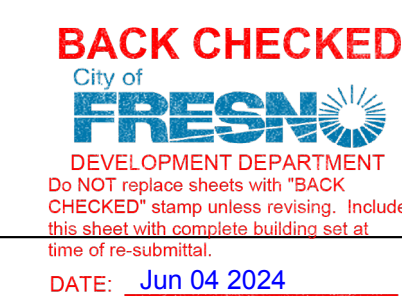
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DATE: 12-01-2023
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REVISION#	DESCRIPTION	DATE
1	FIRST REVISION	5/28/2024

DRAWING TITLE
 DETAILS

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 M-2.7



DUCTWORK #1 PARTS - JOB#6707227 24" -> 20"

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW2490ASY	3940				-0.0963	24.70	1254.14	1	SINGLE WALL DUCT 90 DEGREE ELBOW, 24" DUCT, ASSEMBLY.
P2	DW2404C2D	3940					4.11	1254.14	1	SINGLE WALL DUCT OFF SET COLLAR - 24" DIAMETER DUCT - 1/2" PITCH.
P3	DW2024ADPEC17	3940				-0.02	14.78	1805.96	1	SINGLE WALL DUCT ECCENTRIC ADAPTER, 20" DUCT DIA TO 24" DUCT DIA, ASSEMBLY - 430 STAINLESS STEEL.
P4	DW2011LT	3940				-0.0031	7.77	1805.96	1	SINGLE WALL DUCT 20" DIAMETER, 11' LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P5	DW2018AJDKIT	3940				-0.0019	16.46	1805.96	1	SINGLE WALL DUCT ADJUSTABLE, 20" DIAMETER, 17.5' LONG, FLANGE AT ONE END WITH A 20" ADJUSTABLE COLLAR - STAINLESS STEEL.
P6	DW20SUBRASY						3.58		1	DUCT SUPPORT BRACKET KIT, 20" DUCT, USED FOR HANGING DUCT. 12 GA STEEL, CLEAR ZINC COATING. - 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.
P7 ASSEMBLED W/P8	DW20TEASY	3940		1		-0.1865	26.16	1805.96	1	SINGLE WALL DUCT TEE, 20" DUCT, ASSEMBLY.
P8 ASSEMBLED W/P7 Q=S	DW2021ADKIT						6.59		1	DUCT ACCESS DOOR WITH HANDLE & GREASE DAM, FOR 20" DUCT USE 21" DOOR. STAINLESS STEEL.
P9	DW2004C2D	3940				-0.001	3.46	1805.96	1	SINGLE WALL DUCT OFF SET COLLAR - 20" DIAMETER DUCT - 1/2" PITCH.
P10	DW2035LT	3940				-0.0088	23.51	1805.96	1	SINGLE WALL DUCT 20" DIAMETER, 35' LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P11 ASSEMBLED W/P12	DW2048AJDKIT	3940				-0.0083	37.95	1805.96	1	SINGLE WALL DUCT ADJUSTABLE, 20" DIAMETER, 47.5' LONG, FLANGE AT ONE END WITH A 20" ADJUSTABLE COLLAR - STAINLESS STEEL.
P12 ASSEMBLED W/P11 Q=T	DW2620TPDBEX	3940					9.00	1805.96	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 20" DUCT, 16 GA ALUMINIZED. USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE DD IS 27.00" DESIGNED FOR USE WITH EXHAUST FAN. NON-STANDARD PART.
SYSTEM AT P12						-1.2648	0.00			
	3M-2000PLUS						0.80		4	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
	735602000						52.00		7	DUCT - DUCT INSULATION FOR ZERO CLEARANCE TO COMBUSTIBLES - 300" X 24" X 1-1/2" ROLL. UNIFRAX FyreWRAP ELITE 1.5.
	BANDING.5						5.00		2	DUCT - FIRE BARRIER WRAP STAINLESS STEEL BANDING .5" WIDTH - 200 FT PER ROLL.
	DW20CLASY						1.41		7	DUCT *V* CLAMP WITH NEW DESIGN 14 GA BRACKETS, 20" DUCT, ASSEMBLY.
	DW24CLASY						1.65		3	DUCT *V* CLAMP WITH NEW DESIGN 14 GA BRACKETS, 24" DUCT, ASSEMBLY.
	SEAL.50-50						0.50		2	DUCT - FIRE BARRIER WRAP STAINLESS STEEL BANDING SEAL .5" WIDTH. QUANTITY OF 50.
	TAPEALUM						0.25		2	DUCT - FIRE BARRIER WRAP ALUMINUM FOIL TAPE - 3" X 150' ROLL.
TOTAL WEIGHT							571.59			

SINGLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL WALL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'
26"	10'	10'	24'
28"	10'	10'	24'
30"	10'	10'	24'
32"	10'	10'	24'
34"	10'	10'	24'
36"	10'	10'	24'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

REVISIONS

DESCRIPTION	DATE

CAPTIVEAIRE

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GOLDEN CORRAL - FRESNO CA - R5
3617 WEST SHAW AVENUE, TAG: PD#
Fresno, CA, 93711

DATE: 4/3/2024
DWG.#: 6707227
DRAWN BY: ZDH
SCALE: 3/4" = 1'-0"
MASTER DRAWING

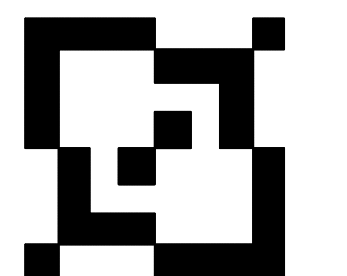
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San Gabriel, CA 91775
Tel: (626) 692-1221
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ET DESIGN STUDIO,LLC
12062 CRYSTAL CT CHINO, CA 91710
TEL: 626.790.9888
Ella.ETdesign@gmail.com

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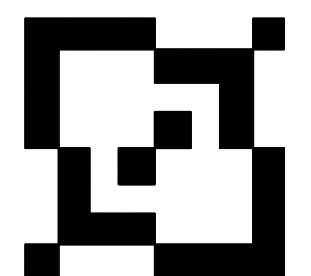
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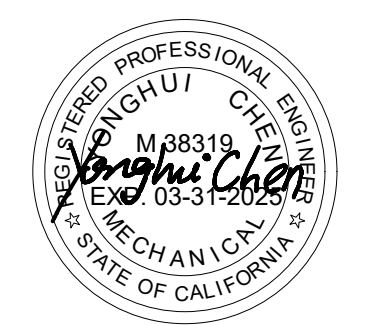
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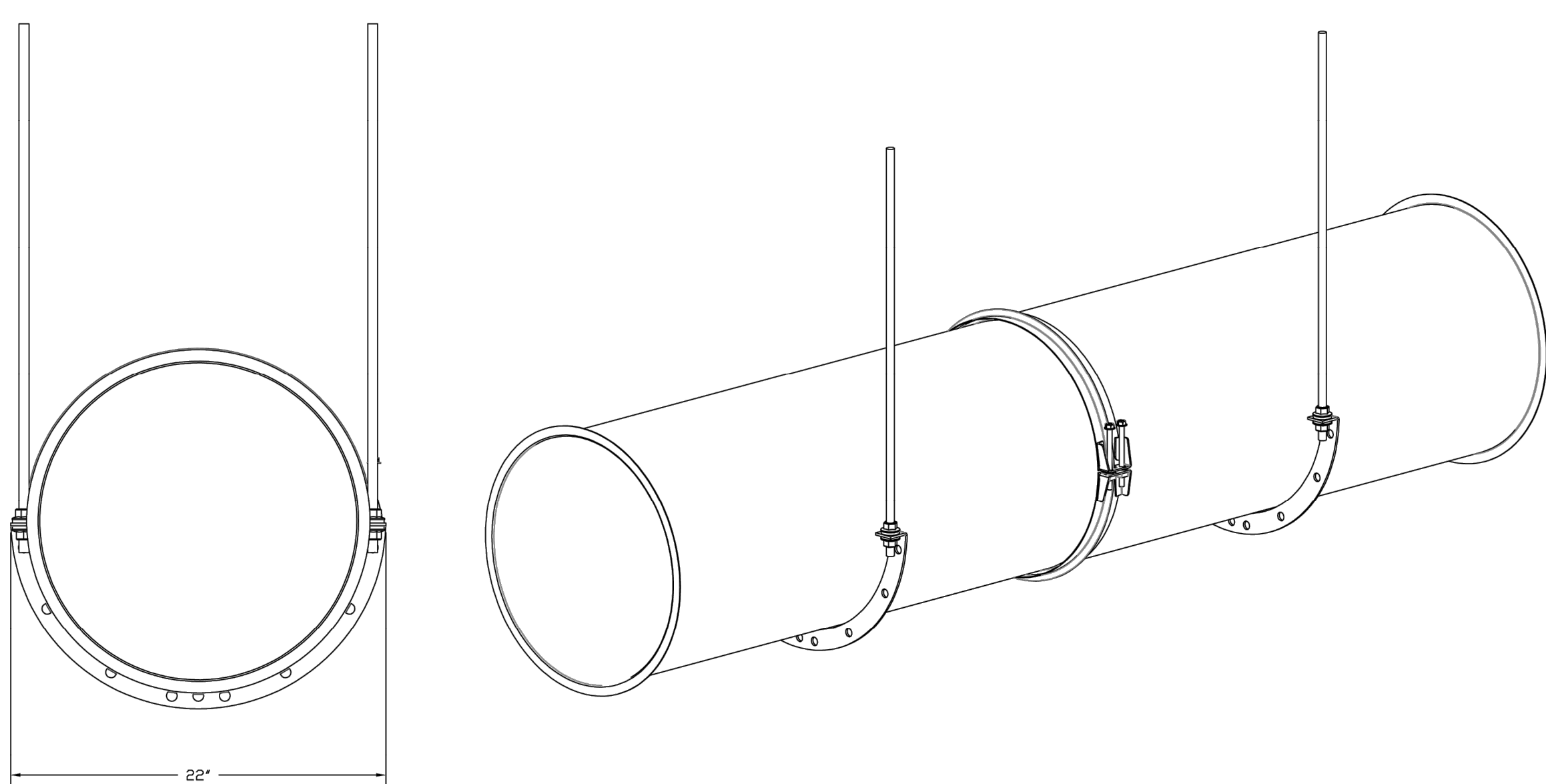
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M-2.10

SUPPORT SYSTEM DETAILS #1

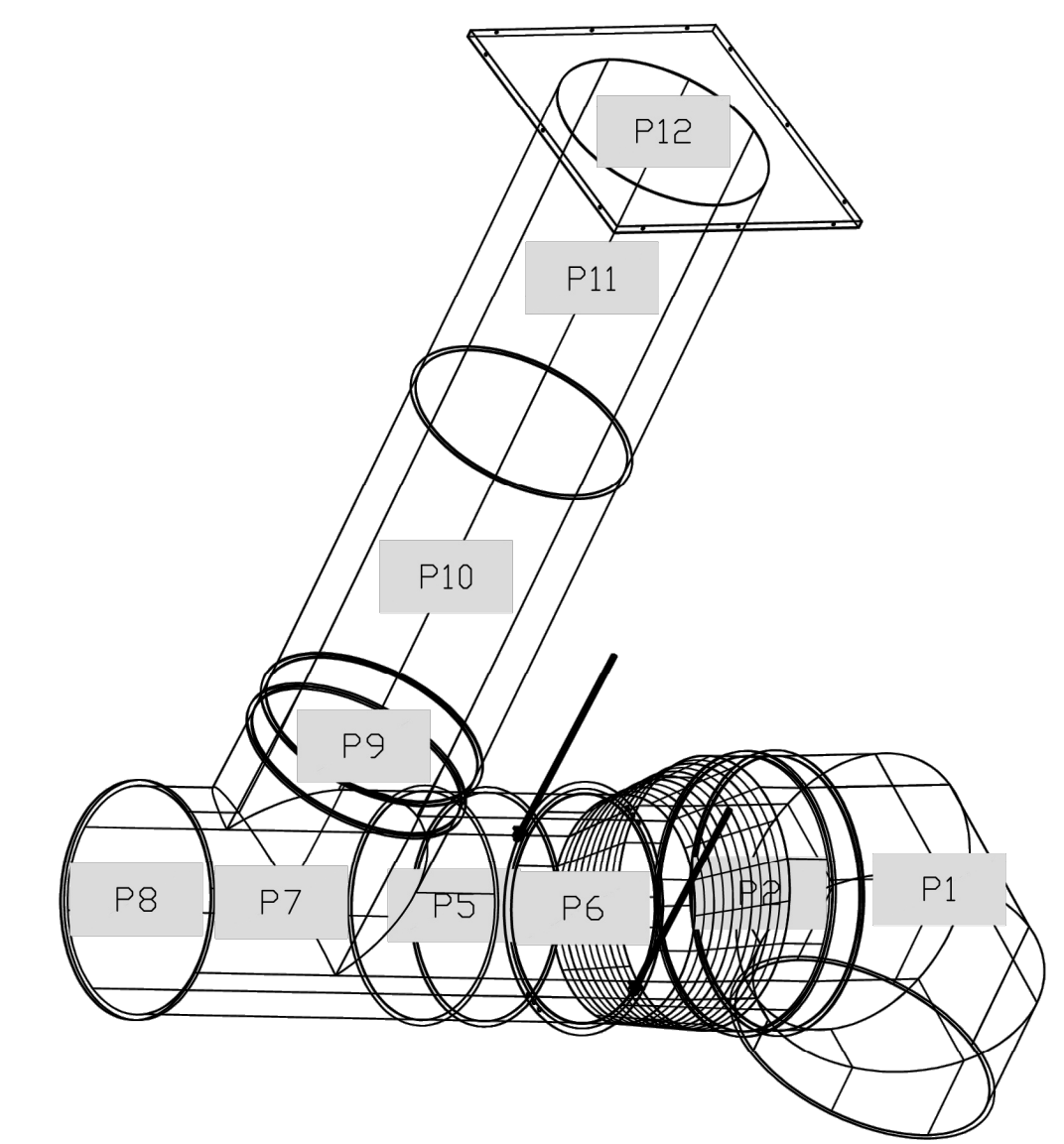
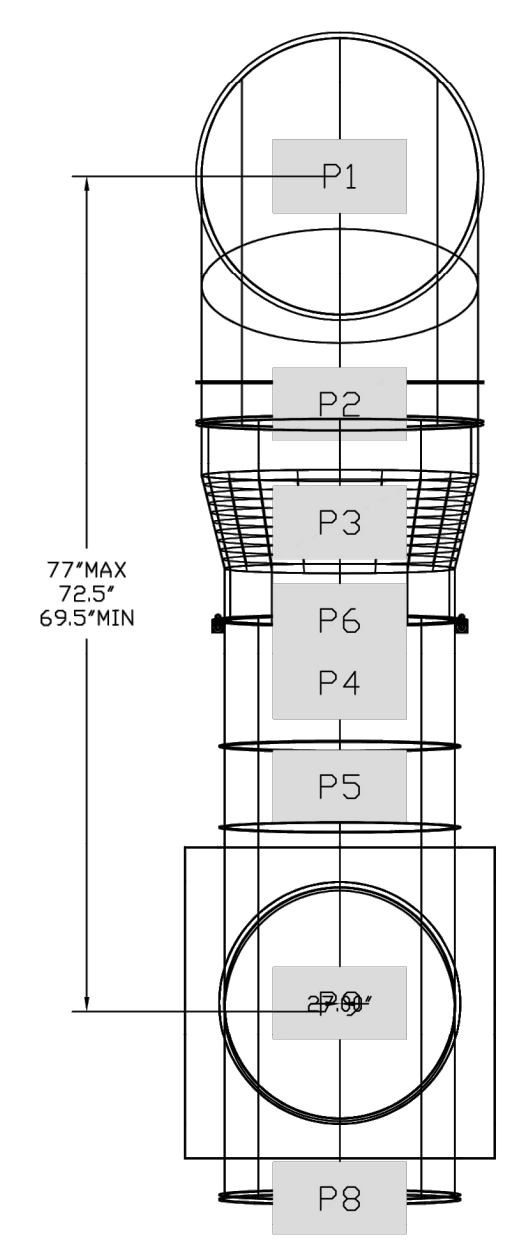
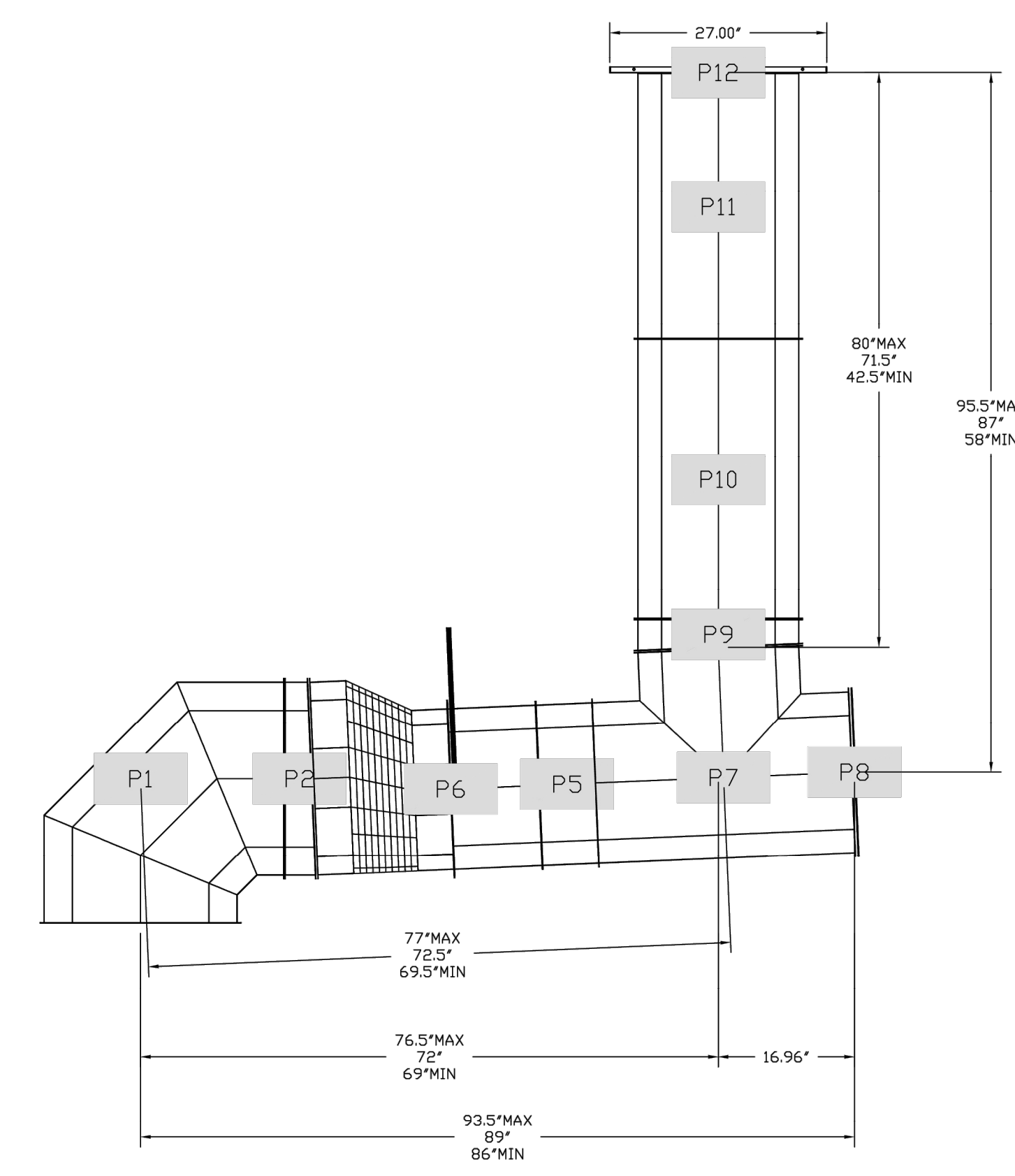
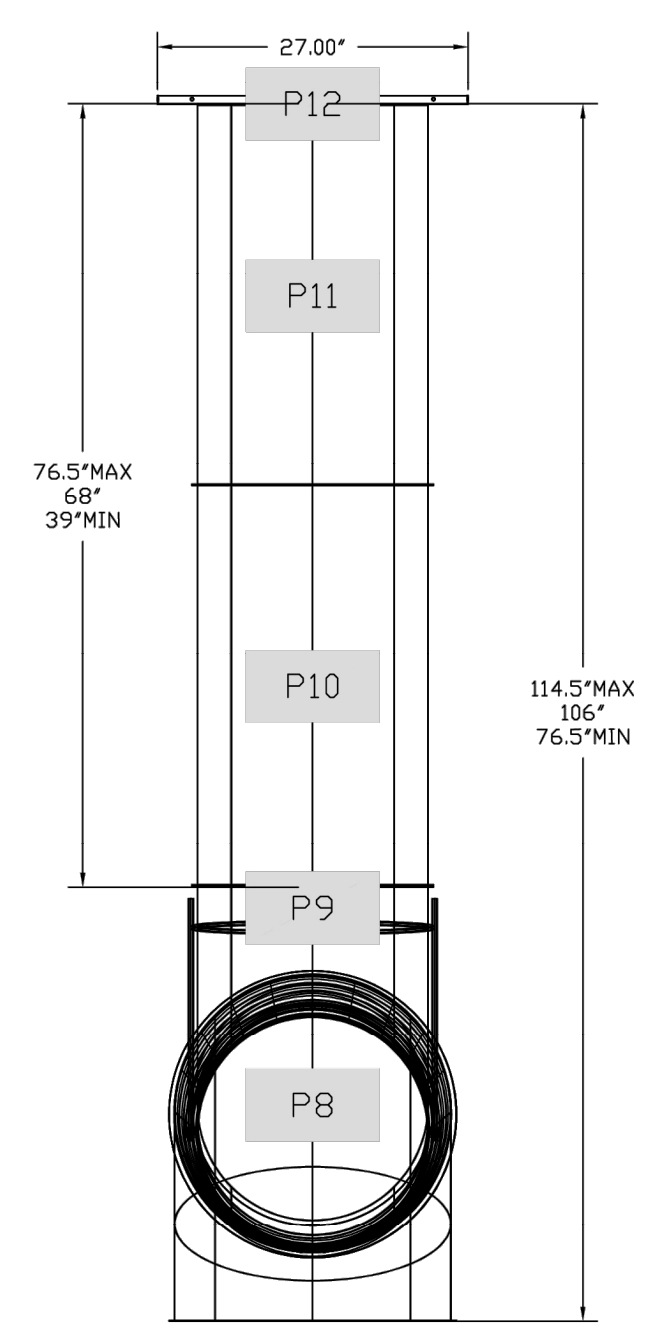
DW20SUBRASY - HORIZONTAL SUPPORT

DUCTWORK #1 FRONT VIEW DUCTWORK #1 SIDE VIEW
24" -> 20"

DUCTWORK #1 TOP VIEW
24" -> 20"



DUCTWORK #1 SE VIEW
24" -> 20"



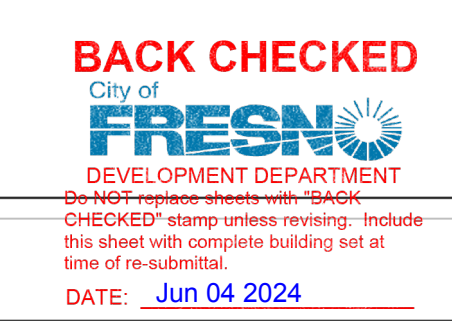
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DRAWN BY: ZDH
SCALE: 3/4" = 1'-0"
MASTER DRAWING

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10



SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

REVISIONS	
DESCRIPTION	DATE
△	
△	
△	
△	

GOLDEN CORRAL - FRESNO CA - R5
 3617 WEST SHAW AVENUE, TAG: PO#
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11

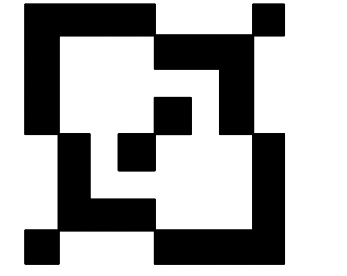
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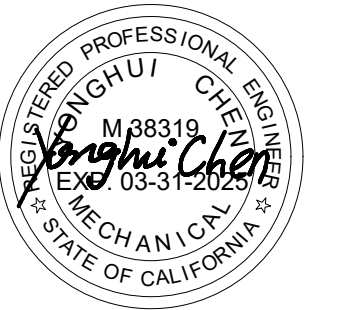
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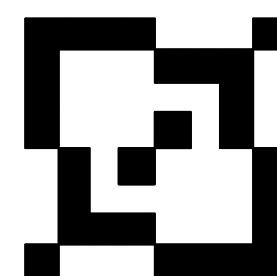
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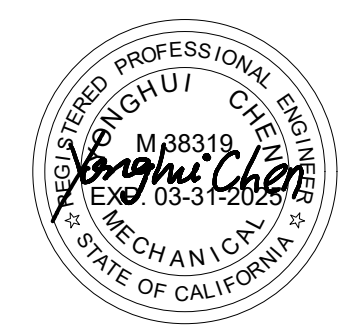
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HOOD T24

SHEET NUMBER

M-3

SHEET SIZE: 24 X 36 PLOT 1=1

STATE OF CALIFORNIA
Process Systems CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-PRC-E
Project Name: Golden Corral Fresno Report Page: (Page 1 of 6)
Project Address: 3617 W Shaw Ave, Date Prepared: 5/25/2024

A. GENERAL INFORMATION					
01	Project Location (city)	Fresno,	04	Total Conditioned Floor Area	350
02	Climate Zone	13	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1

B. PROJECT SCOPE
This table includes process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in 120.6 / 160.7 or prescriptive requirements in 140.9.
My project consists of: (check all that apply):
01 Refrigerated Spaces <3,000 ft² Total (no Title 24, Pt6 requirements)
02 Escalator & Moving Walkway Speed Controls (mandatory 120.6(g))
03 Refrigerated Spaces >=3,000 ft² Total (mandatory 120.6(a))
04 Computer Rooms (mandatory 120.6(j)) and prescriptive 140.9(a))¹
05 Food /Beverage Stores >8,000 ft² cfa (mandatory 120.6(b))
06 Commercial Kitchen Ventilation/Exhaust (prescriptive 140.9(b))¹
07 Enclosed Parking Garage Exhaust >=10,000 cfm (mandatory 120.6(c))
08 Laboratory Exhaust/Factory Exhaust & Fume Hood (prescriptive 140.9(c))¹
09 Newly Installed Process Boilers (mandatory 120.6(d))
10 Pool/Spa (mandatory 110. 4 / 160.7)
11 Compressed Air Systems Combined HP >= 25 (mandatory 120.6(e))
12 Controlled Environment Horticulture (mandatory 120.6(h))
13 Elevator Lighting & Ventilation Controls (mandatory 120.6(f) / 160.7)
14 New Steam Traps (mandatory 120.6(i))
¹ FOOTNOTES: These building features can comply using the performance method. If using the performance method for these features, compliance should be demonstrated on the NRCC-PRF-E.

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C. COMPLIANCE RESULTS													
Results in this table are automatically calculated from data input and calculations in Tables F through R. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Refrigerated Warehouse / Space 120.6(a) (See Table F)	Commercial Refrigeration 120.6(b) (See Table G)	Parking Garage Exhaust 120.6(c) (See Table H)	Process Boilers 120.6(d) (See Table I)	Compressed Air Systems 120.6(e) (See Table J)	Elevators 120.6(f) / 160.7 (See Table K)	Escalators & Moving Walkways 120.6(g) (See Table L)	Computer Rooms 140.9(a) (See Table M)	Commercial Kitchens 140.9(b) (See Table N)	Laboratory/ Factory Exhaust 140.9(c) (See Table O)	Controlled Environment Horticulture 120.6(h) (See Table P)	Steam Traps 120.6(i) (See Table Q)	Multifamily Pool/Spa 160.7 (See Table R)	Compliance Results
								Yes					COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. REFRIGERATED WAREHOUSES/SPACES
This section does not apply to this project.

G. COMMERCIAL REFRIGERATION
This section does not apply to this project.

H. ENCLOSED PARKING GARAGE EXHAUST
This section does not apply to this project.

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I. PROCESS BOILER
This section does not apply to this project.

J. COMPRESSED AIR SYSTEMS
This section does not apply to this project.

K. ELEVATOR LIGHTING AND VENTILATION
This section does not apply to this project.

L. ESCALATORS AND MOVING WALKWAYS SPEED CONTROLS
This section does not apply to this project.

M. COMPUTER ROOM SYSTEM SUMMARY
This section does not apply to this project.

N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION
This table contains all new and replacement hoods being installed within the scope of the permit application. Table N is used to demonstrate compliance with prescriptive requirements found in 140.9(b).
Kitchen Ventilation 140.9(b)2

01	02	03	04
	<input type="checkbox"/>	Existing kitchen hoods not being replaced as part of an addition or alteration (do not need to meet requirements)	
Requirements			
Replacement Air to Hood Compliance Method 140.9(b)1A			
Providing replacement air directly to the hood(s) that does not exceed 10% of the hood(s) exhaust rate			
Mechanically cooled or heated makeup air delivered to any space with a kitchen hood is designed per 140.9(b)2A to not exceed the greater of:			
The supply flow required to meet the space heating and cooling load			
Location that is supplying transfer air:			

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N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION

05	The kitchen/ dining facility has a total Type I and Type II kitchen hood exhaust airflow > 5000 cfm and is designed to have one of the following per 140.9(b)2B: NA: Not a kitchen/ dining facility having a total Type I and Type II kitchen hood exhaust airflow rate > 5,000 cfm	
Kitchen Exhaust: Airflow Rate 140.9(b)1B		
01	Kitchen Name or Item Tag	Kitchen
02	03	04
Name or Item Tag	Hood Type ¹	Hood Style
HOOD-1	Type I	Single Island

O. LABORATORY AND FACTORY EXHAUST AND FUME HOODS
This section does not apply to this project.

P. CONTROLLED ENVIRONMENT HORTICULTURE
This section does not apply to this project.

Q. STEAM TRAPS IN INDUSTRIAL FACILITIES
This section does not apply to this project.

R. Pool & SPAs
This section does not apply to this project.

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S. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/
Form/Title
NRCC-PRC-01-E - Covered Process

T. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>
Form/Title
NRCA-PRC-02-F Kitchen Exhaust

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: Yonghui Chen
Signature Date: 2024-05-25
Address: 1217 E Las Tunas Drive
City/State/Zip: San Gabriel CA 91776
Phone: 6266921221

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
Responsible Designer Name: Yonghui Chen
Signature Date: 2024-05-25
Address: 1217 E Las Tunas Drive
City/State/Zip: San Gabriel CA 91775
Phone: 626-692-1221

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