

Seal

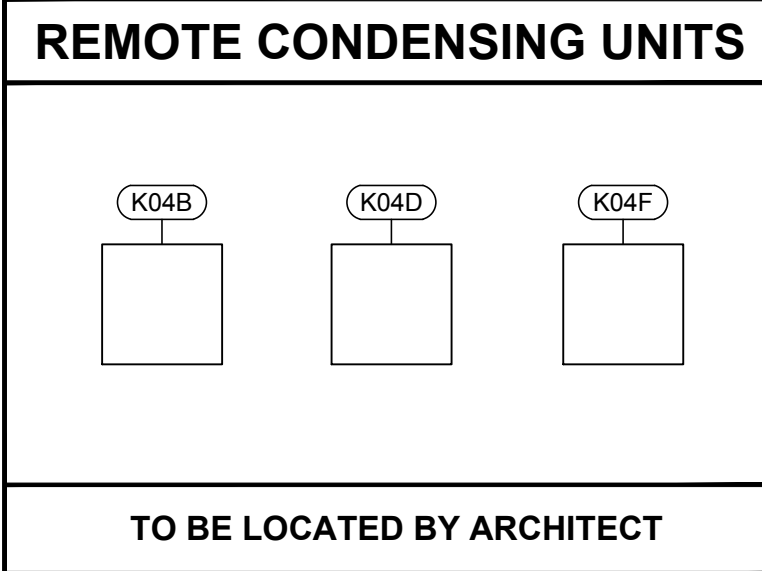
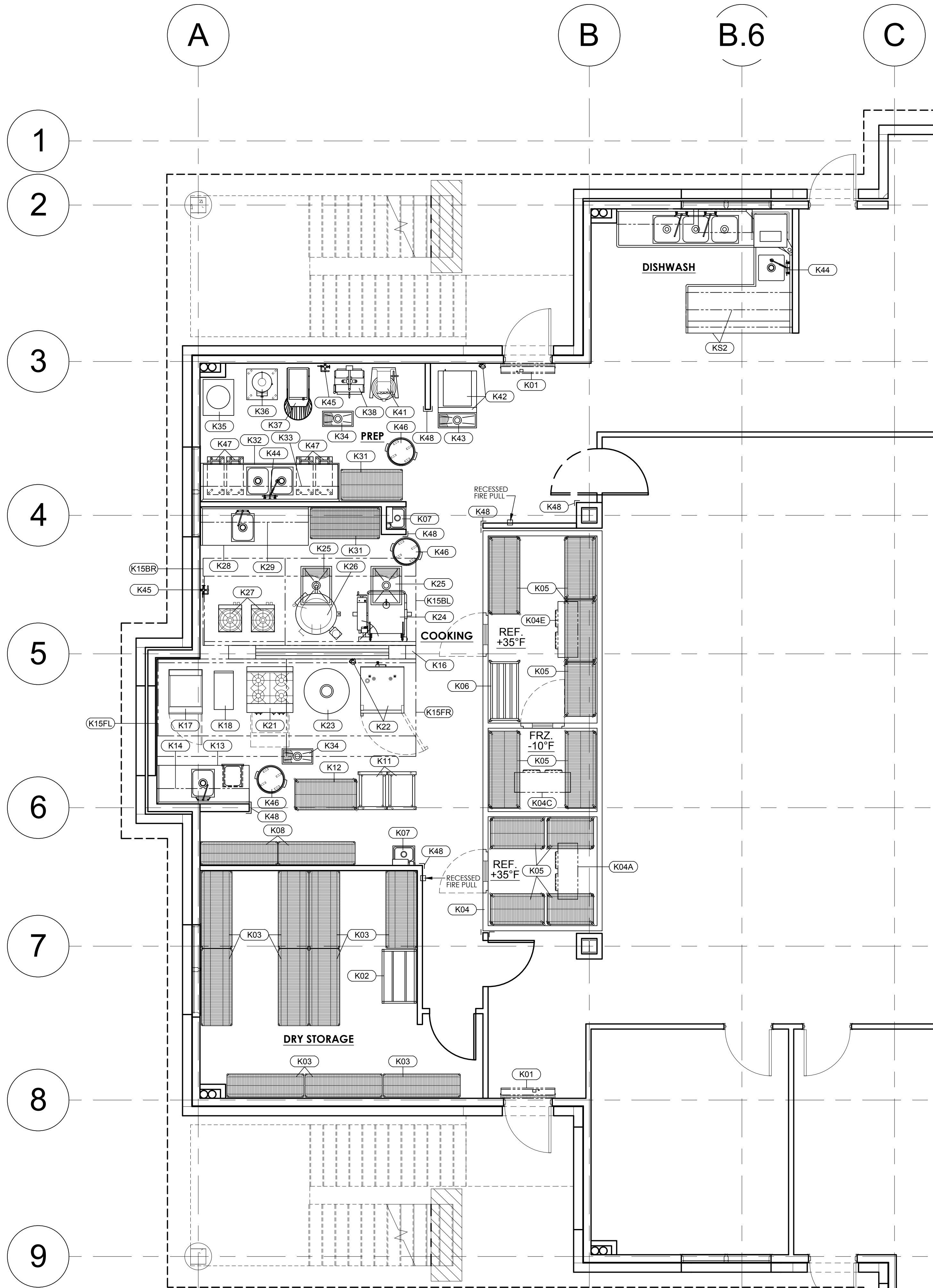


Project

FOODSERVICE EQUIPMENT LAYOUT

RADHA KRISHNA TEMPLE

1450 N. WATERS ROAD
ALLEN, TX 75013



FOOD SERVICE EQUIPMENT SCHEDULE			
ITEM NO	QTY	EQUIPMENT CATEGORY	REMARKS
K01	2	AIR CURTAIN	
K02	1	CAN RACK	
K03	10	WIRE SHELVING, DRY STORE	
K04	1	WALK-IN, COMPLEX	
K04A	1	EVAPORATOR, +35°F	
K04B	1	CONDENSING UNIT, +35°F	
K04C	1	EVAPORATOR, +35°F	
K04D	1	CONDENSING UNIT, +35°F	
K04E	1	EVAPORATOR, -10°F	
K04F	1	CONDENSING UNIT, -10°F	
K05	10	WIRE SHELVING, WALK-IN	
K06	1	DUNNAGE SHELF	
K07	2	HAND SINK W/SOAP & TOWEL DISPENSER	
K08	2	WIRE SHELVING	
K09		SPARE NO	
K10		SPARE NO	
K11	2	PAN RACK	
K12	1	WIRE SHELVING	
K13	1	WORKTABLE W/SINK	
K14	1	SHELVING, WALL-MOUNTED	
K15FL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15FR	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15BL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15BL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K16	1	UTILITY DISTRIBUTION SYSTEM	
K17	1	FRYER W/ FILTERATION UNIT	
K18	1	SPACER TABLE	
K19		SPARE NO	
K20		SPARE NO	
K21	1	4- BURNER RANGE W/ OVEN	
K22	1	COMBI OVEN W/ WATER FILTER	
K23	1	CHAPPATI MACHINE	
K24	1	SKILLET TILTING, 30GALS	
K25	2	FLOOR TROUGH & GRATE	EXISTING
K26	1	KETTLE TILTING, 40GALS	EXISTING
K27	2	STOCK POT RANGE	EXISTING
K28	1	WORKTABLE W/SINK	EXISTING
K29	1	SHELVING, WALL-MOUNTED	EXISTING
K30		SPARE NO	
K31	2	WIRE SHELVING	
K32	1	WORKTABLE W/ 2-SINKS	
K33	1	SHELVING, WALL-MOUNTED	
K34	2	FLOOR TROUGH & GRATE	
K35	1	MASALA GRINDER	EXISTING
K36	1	POTATO PEELER	EXISTING
K37	1	DOUGH KNEADER, 40QT	
K38	1	DOUGH DIVIDER	
K39		SPARE NO	
K40		SPARE NO	
K41	1	PLANETRY MIXER	EXISTING
K42	1	ICE CUBER W/ ICE BIN & WATER FILTER	EXISTING
K43	1	FLOOR TROUGH & GRATE	
K44	2	FAUCET, PRE-RINSE SINK	
K45	2	FAUCET, POT FILLER	
K46	3	TRASH BIN	
K47	4	INGREDIENT BIN	
K48	LOT	CORNER GUARD.	
KS1	1	COUNTERTOP GRIDDLE W/ STAND	
KS2	1	SOILED DISH TABLE	

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE 1/4"=1'-0"

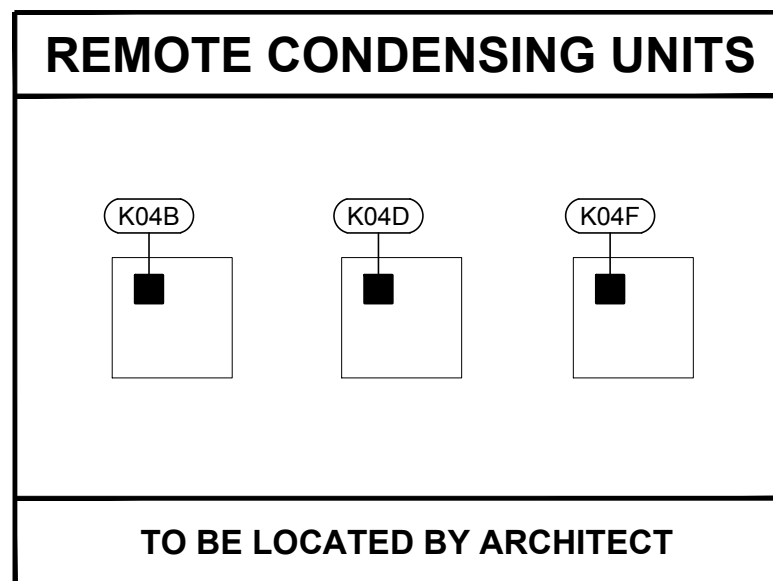
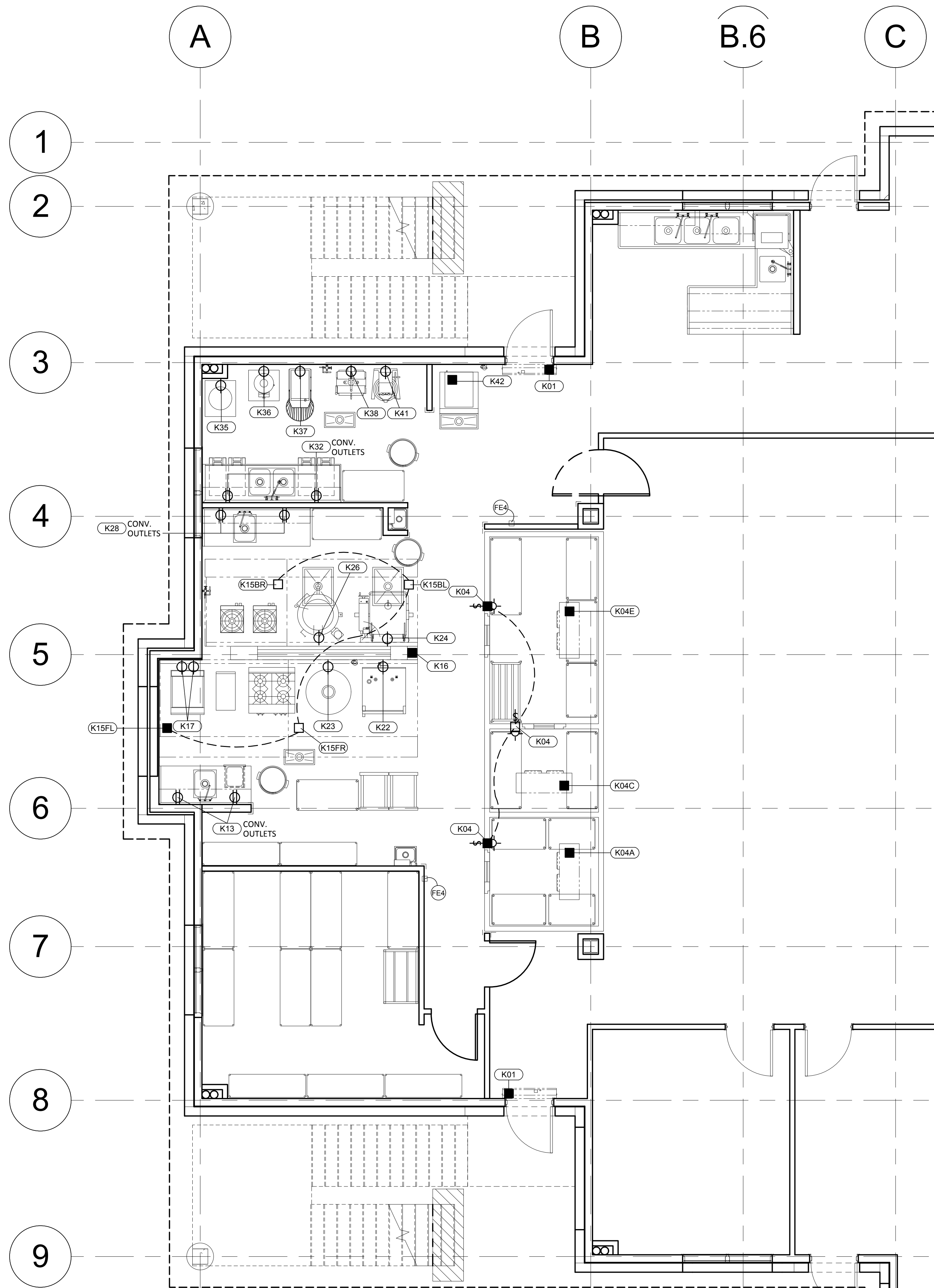
DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION

FOODSERVICE EQUIPMENT PLAN

SHEET NUMBER



ELECTRICAL SYMBOLS		
	SR	SINGLE RECEPTACLE
	DR	DUPLEX RECEPTACLE
	QR	QUAD RECEPTACLE
	EC/JB	ELECTRICAL CONNECTION/JUNCTION BOX
	DO	DATA OUTLET
	PO	PHONE OUTLET
	IPW	INTERCONNECTED POWER WIRING
	LT	LIGHT
	FLT	FLUORESCENT LIGHT

NOTE:
SEE SHEET FS-1UL FOR UTILITY LOAD SCHEDULE

ELECTRICAL NOTES

- WORK DESCRIBED IN THESE NOTES IS TO BE PERFORMED UNDER DIVISION 16 (ELECTRICAL)
- THIS DRAWING LOCATES FINAL ELECTRICAL POINTS OF CONNECTION FOR EACH FOODSERVICE EQUIPMENT ITEM. IT DOES NOT INDICATE UTILITY ROUGH - IN LOCATIONS, LOCATIONS, SIZES, AND HEIGHTS ABOVE THE FLOOR ARE APPROXIMATELY AS THEY WILL OCCUR ON THE EQUIPMENT ITEMS SHOWN. THE DESIGN OF SYSTEMS TO ACCOMMODATE THESE REQUIREMENTS IS TO BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MEET WITH THE APPROVAL OF ALL GOVERNING AUTHORITIES.
 - UTILITIES SHOWN ARE FOR FOODSERVICE EQUIPMENT ITEMS ONLY. THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE ELECTRICAL DRAWINGS FOR OTHER REQUIRED UTILITIES.
 - CONCEAL ALL UTILITIES IN WALLS AND STUB - OUT OF WALLS AS REQUIRED FOR CONNECTIONS. DO NOT STUB OUT OF THE FLOOR UNLESS INDICATED ON PLANS AND/OR RUN EXPOSED ON THE FACE OF THE WALL.
 - CONDUIT EXPOSED ABOVE WORK SURFACES TO BE STAINLESS STEEL OR CHROME PLATED.
 - POWER TO ALL ELECTRICALLY OPERATED EQUIPMENT UNDER HOODS IS TO COME FROM THE PANEL WHERE THE MAIN BREAKER IS INTERWIRED WITH THE FIRE EXTINGUISHING SYSTEM SO THAT POWER SHUT - OFF IS ACHIEVED UPON EITHER MANUAL OR AUTOMATIC OPERATION OF THE FIRE EXTINGUISHING SYSTEM.
 - PROVIDE A FLUSH, EMPTY JUNCTION BOX (8B TYPE) AT EACH REMOTE FIRE CABLE PULL. PROVIDE CONDUIT CONCEALED IN WALL FROM JUNCTION BOX TO A POINT 6" (150MM) ABOVE FINISHED CEILING.
 - PROVIDE CONDUIT AND WIRING BETWEEN THE FUEL LINE SOLENOID SHUT - OFF VALVES, SHUNT TRIP BREAKERS, CONTACTORS, REMOTE NOTIFICATION AND FIRE EXTINGUISHING SYSTEMS.
 - PROVIDE CONDUIT AND WIRING BETWEEN ELECTRIC DEFROST UNIT COOLERS AND CONDENSING UNITS.
 - N/A
 - N/A
 - FOR FIRE SUPPRESSION SYSTEM, A MECHANICAL GAS SHUT OFF VALVE OR ELECTRICAL SOLENOID SHUT OFF VALVE WITH MOMENTARY POWER INTERRUPTION DEVICE (BY POWERGUARD TECHNOLOGIES OR OTHERS) SHALL BE PROVIDED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR FOR FIELD INSTALLATION IN SUPPLY LINE FOR GAS FUELED EQUIPMENT ITEMS.
 - PROVIDE DUPLEX CONVENIENCE OUTLET (120/1, 20A) AT 48" (1200MM) ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
 - N/A
 - PROVIDE DISCONNECT SWITCH FOR EQUIPMENT AS REQUIRED. LOCATE SWITCH SO IT DOES NOT INTERFERE WITH EQUIPMENT FUNCTION.
 - ALL CONTROL WIRINGS, INTERCONNECTIONS AND FINAL CONNECTIONS BY ELECTRICAL TRADE. IF EQUIPMENT COMES IN SECTIONS, ELECTRICAL TRADE TO RECONNECT ELECTRICAL LINES.
 - KITCHEN EQUIPMENT TRADE TO SUPPLY AND INSTALL HEATER CABLE ON ALL WALK-IN FREEZER DRAINS FOR ELECTRICAL TRADE TO CONNECT.
 - PROVIDE WATER PROOF SWITCH BEHIND EACH EVAPORATOR COIL IN WALK-INS AS MEANS OF DISCONNECT.
 - KITCHEN EQUIPMENT CONTRACTOR TO PROVIDE AND INSTALL LIGHT FIXTURES AND BULBS AT ALL HOODS FOR ELECTRICAL TRADE TO CONNECT.
 - KITCHEN EQUIPMENT CONTRACTOR TO PROVIDE LIGHT FIXTURES AND BULBS LOOSE AT ALL WALK INS. ELECTRICAL TRADE TO PENETRATE WALK IN PANELS, EXTEND CONDUITS THROUGH OPENING FROM LIGHT FIXTURE OR ALARMS ETC, INSULATE INSIDE OF CONDUITS AND SEAL OPENINGS. ELECTRICAL TRADE TO PROVIDE JB ON TOP OF WALK IN, INSTALL LIGHT FIXTURES AND BULBS AND CONNECT.
 - N/A
 - N/A

VENTILATOR NOTES	
VE1	WIRING IN CONDUIT BY ELECTRICAL TRADE BETWEEN VENTILATOR CONTROL AND MICRO SWITCH IN FIRE SUPPRESSION SYSTEM.
VE2	WIRING IN CONDUIT BY ELECTRICAL TRADE BETWEEN VENTILATOR CONTROL (FAN SWITCH OR PANEL) AND EXHAUST/SUPPLY FAN MAGNETIC STARTER.
VE3	N/A
VE4	WIRING IN CONDUIT BY ELECTRICAL TRADE BETWEEN VENTILATOR CONTROL AND JB ON TOP OF VENTILATOR FOR THERMOSTAT AT DUCT COLLAR.
VE5	WIRING IN CONDUIT BY ELECTRICAL TRADE BETWEEN VENTILATOR CONTROL AND JB ON TOP OF VENTILATOR FOR LIGHTS.
VE6	N/A
VE7	WIRING IN CONDUIT BY ELECTRICAL TRADE BETWEEN VENTILATOR CONTROL AND SOLENOID AT PLUMBING ASSEMBLY ABOVE VENTILATOR.

FIRE EXTINGUISHING SYSTEM NOTES	
FE1	WIRING IN CONDUIT BY ELECTRICAL TRADE BETWEEN RESET RELAY AND AUTOMAN RELEASE AND ELECTRICAL GAS SOLENOID SHUT-OFF VALVE.
FE2	WIRING IN CONDUIT BY ELECTRICAL TRADE TO SHUNT -TRIP BREAKER LOCATED IN POWER PANEL SUPPLYING EQUIPMENT BENEATH VENTILATOR AND/OR BETWEEN RESET RELAY AND CONTACTORS SERVING EQUIPMENT BENEATH VENTILATOR.
FE3	WIRING IN CONDUIT BY ELECTRICAL TRADE BETWEEN MICROSWITCH AND BUILDING FIRE ALARM SYSTEM AS REQUIRED.
FE4	FLUSH -MOUNT OCTAGONAL J -BOX (8B TYPE) MOUNTED AT 48" (1200MM) AFF TO 54" (1350MM) AND LOCATED BETWEEN 10' (3000MM) MINIMUM TO 20' (6000MM) AWAY FROM THE HOOD WITH 1/2" (15MM) EMT TO 6" (150MM) ABOVE CEILING BY ELECTRICAL TRADE FOR REMOTE CABLE PULL (HEIGHT VARIES PER LOCAL CODES).
FE5	N/A
FE6	IF ELECTRICAL GAS SOLENOID SHUT OFF VALVE IS REQUIRED, WIRING IN CONDUIT BY ELECTRICAL TRADE BETWEEN MOMENTARY POWER INTERRUPTION DEVICE, RESET RELAY AND GAS SOLENOID VALVE.



Project

RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE 1/4"=1'-0"

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION

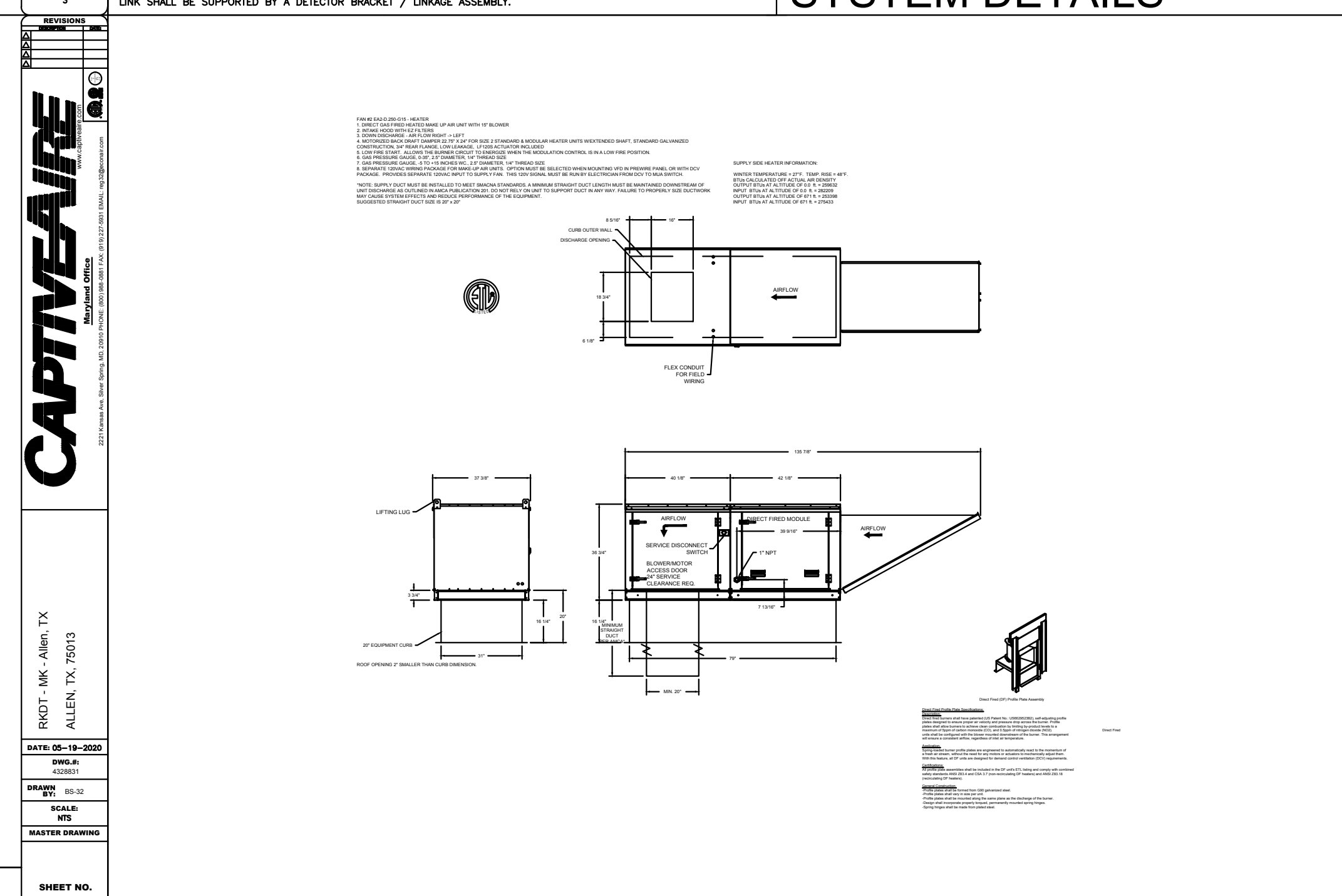
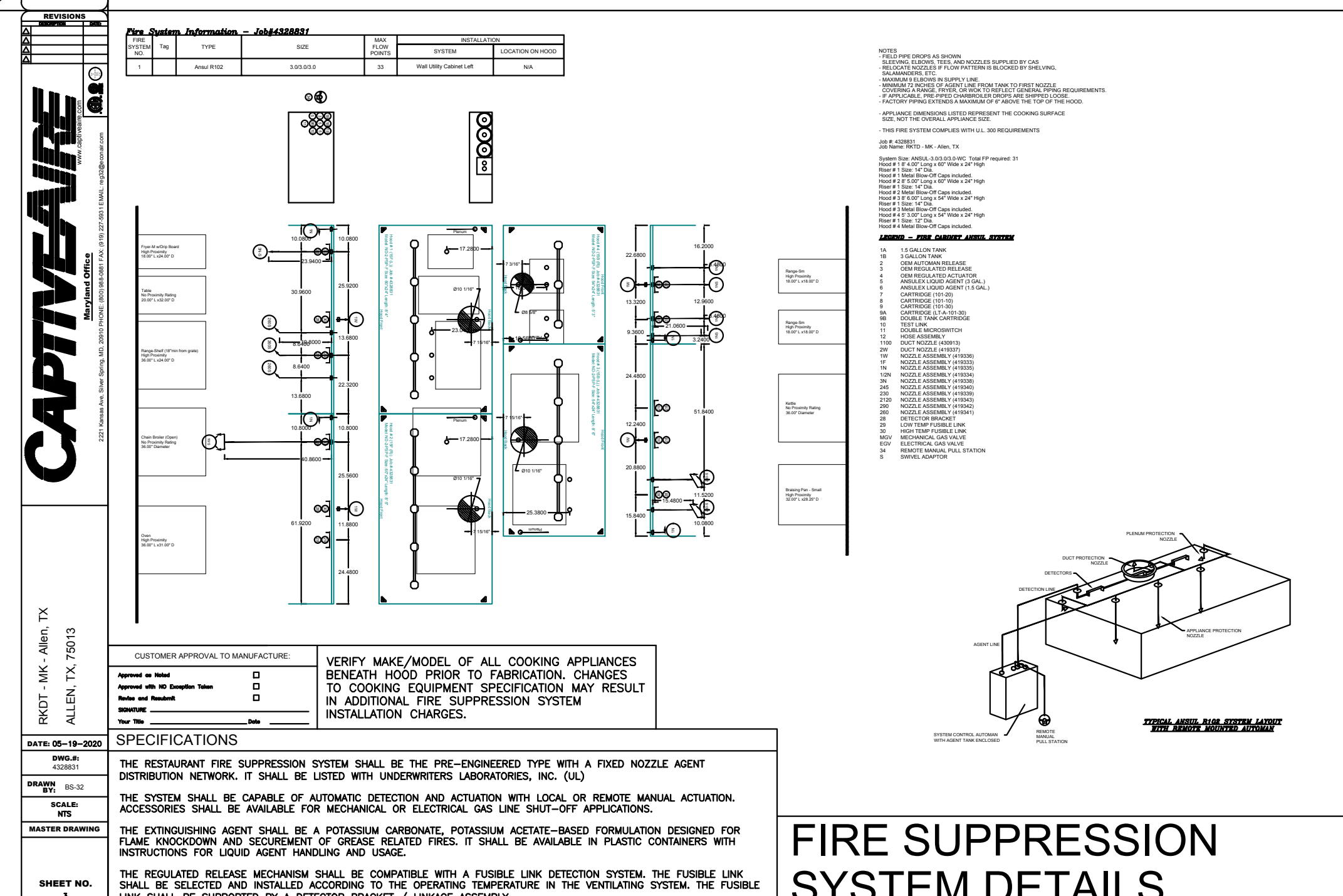
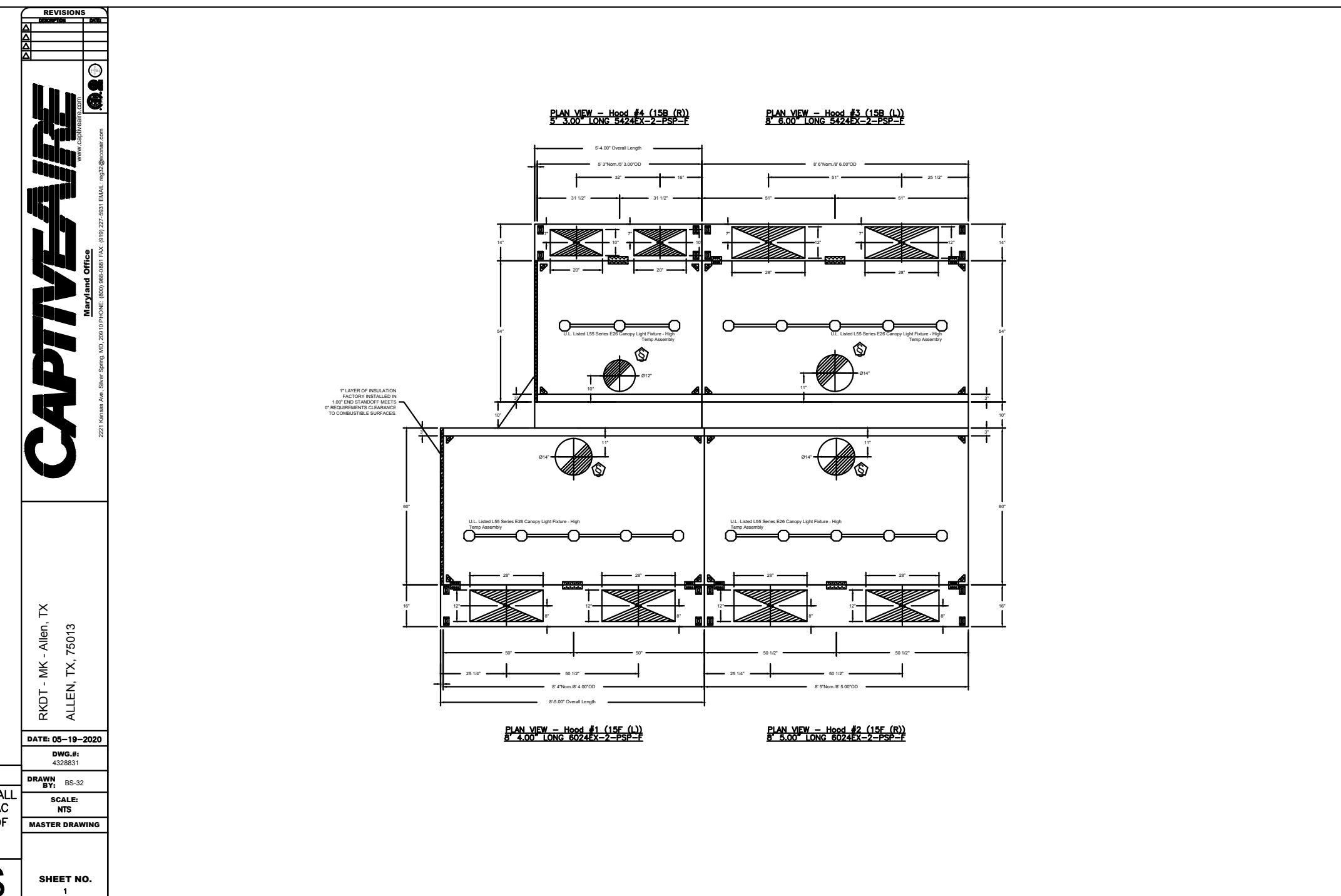
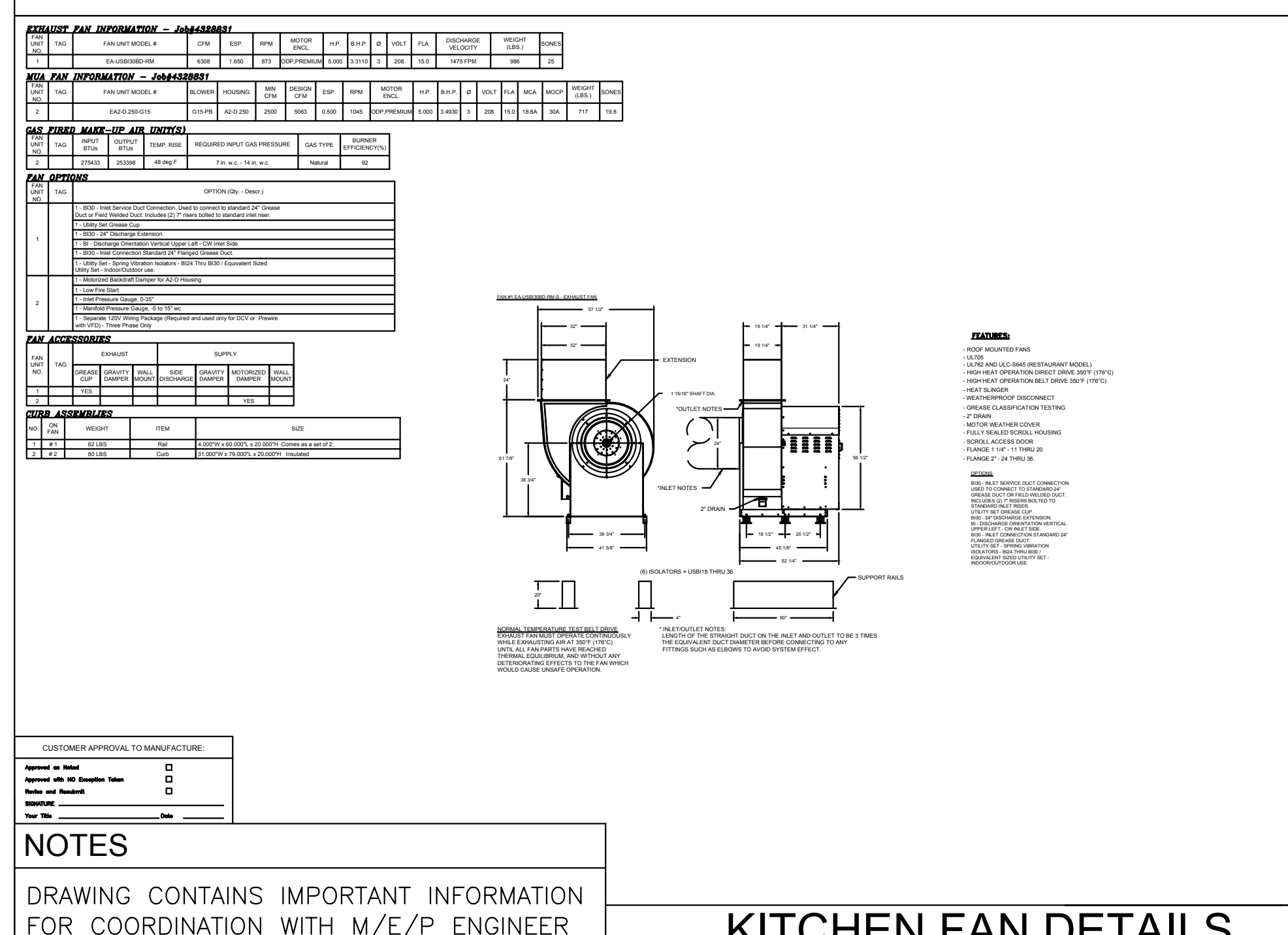
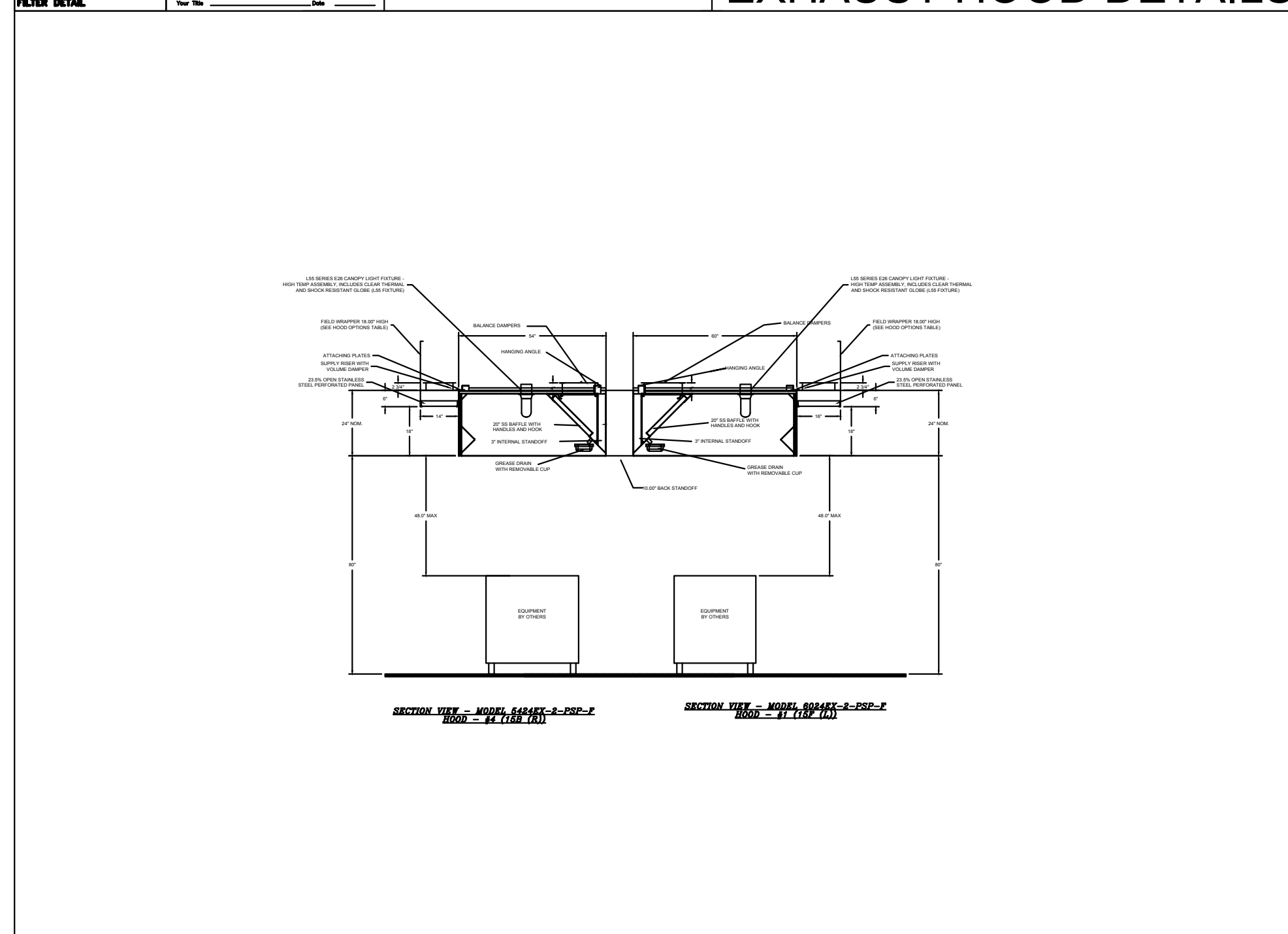
FOODSERVICE ELECTRICAL SPOT CONNECTIONS PLAN

SHEET NUMBER

ROOF INFORMATION - ASHRAE88											
NO.	TYPE	DESCRIPTION	AREA (SQ FT)	U-VALUE (BTU/HR/FT ² /IN)	SOLENOID	WIND	TEMP.	WIND	TEMP.	WIND	TEMP.
1	FLAT	ROOF	1000	0.05							
2	FLAT	ROOF	1000	0.05							

ROOF INFORMATION - ASHRAE88 (CONT.)											
NO.	TYPE	DESCRIPTION	AREA (SQ FT)	U-VALUE (BTU/HR/FT ² /IN)	SOLENOID	WIND	TEMP.	WIND	TEMP.	WIND	TEMP.
3	FLAT	ROOF	1000	0.05							
4	FLAT	ROOF	1000	0.05							

ROOF INFORMATION - ASHRAE88 (CONT.)											
NO.	TYPE	DESCRIPTION	AREA (SQ FT)	U-VALUE (BTU/HR/FT ² /IN)	SOLENOID	WIND	TEMP.	WIND	TEMP.	WIND	TEMP.
5	FLAT	ROOF	1000	0.05							
6	FLAT	ROOF	1000	0.05							



Foodservice Consultant:
Concept Magik
Foodservice Design & Business Consultants
18913 Coral Grove Terrace
Germantown, MD 20854
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email: vjo@concept-magik.com
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Project
RADHA KRISHNA TEMPLE
FOODSERVICE EQUIPMENT LAYOUT
1450 N. WATERS ROAD
ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

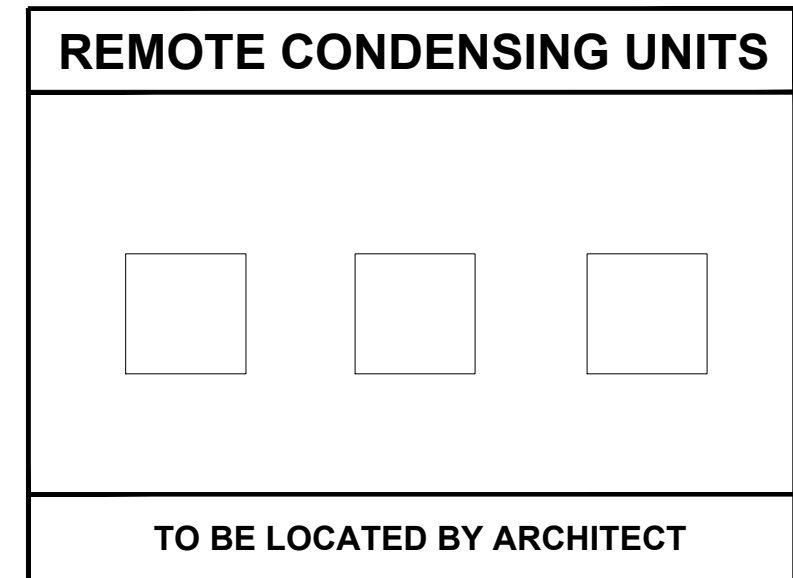
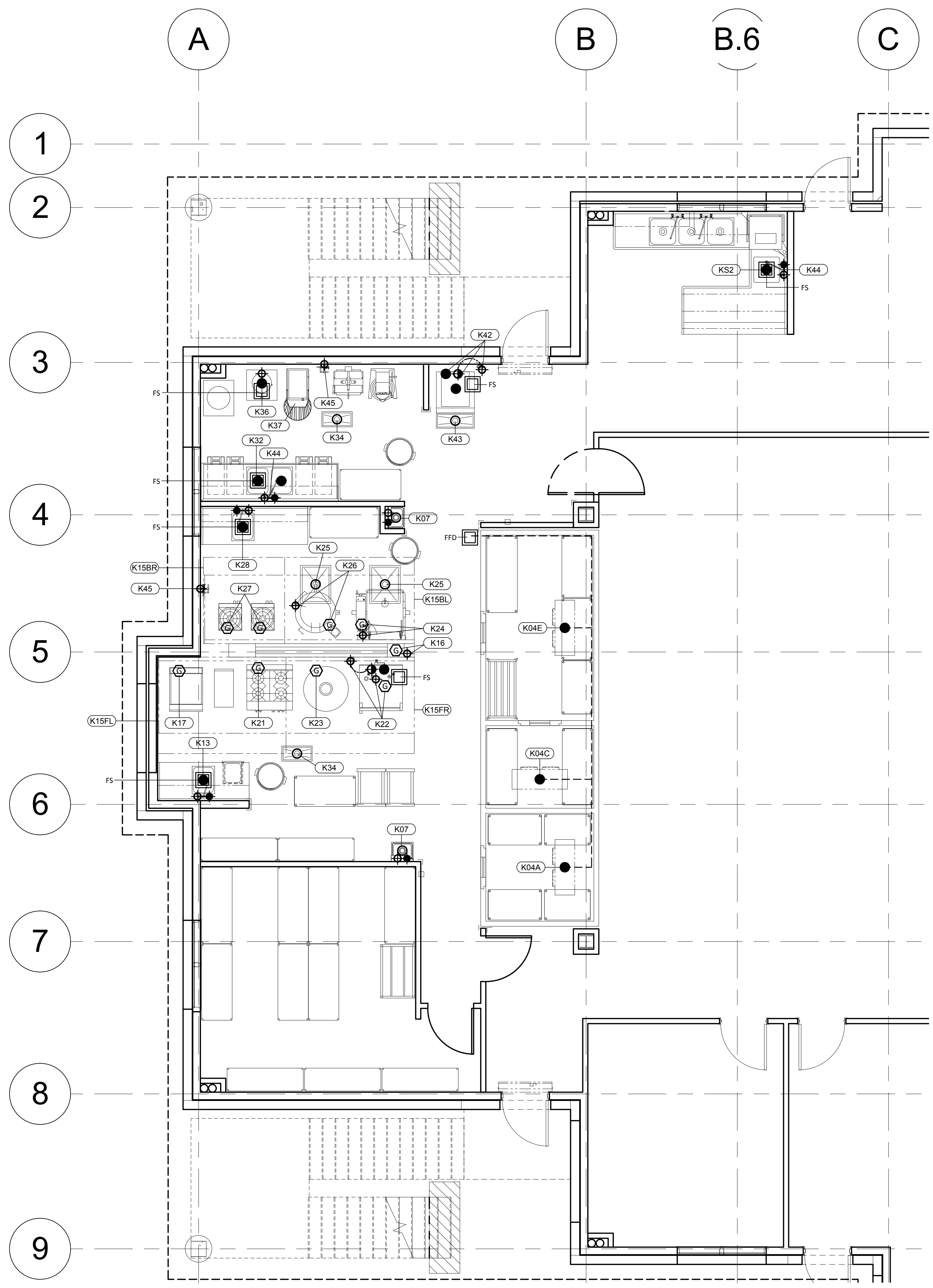
PROJECT NUMBER: CM170123
SCALE: NONE
DRAWN: TCG
DATE: 06/05/2020

SHEET DESCRIPTION
FOODSERVICE EXHAUST HOOD DETAILS

SHEET NUMBER
FS-1H



FOODSERVICE EQUIPMENT LAYOUT
RADHA KRISHNA TEMPLE
1450 N. WATERS ROAD
ALLEN, TX 75013



NOTE:
SEE SHEET FS-1UL FOR UTILITY LOAD SCHEDULE

MECHANICAL NOTES

- WORK DESCRIBED IN THESE NOTES IS TO BE PERFORMED UNDER DIVISION 14 (PLUMBING) AND DIVISION 15 (HVAC)
- THIS DRAWING LOCATES FINAL MECHANICAL POINTS OF CONNECTION FOR EACH FOODSERVICE EQUIPMENT ITEM. IT DOES NOT INDICATE UTILITY ROUGH-IN LOCATIONS, LOCATIONS, SIZES, AND HEIGHTS ABOVE THE FLOOR ARE APPROXIMATELY AS THEY WILL OCCUR ON EQUIPMENT ITEMS SHOWN. THE DESIGN OF SYSTEMS TO ACCOMMODATE THESE REQUIREMENTS IS TO BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MEET WITH THE APPROVAL OF ALL GOVERNING AUTHORITIES.
 - UTILITIES SHOWN ARE FOR FOODSERVICE EQUIPMENT ITEMS ONLY. THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE MECHANICAL DRAWINGS FOR OTHER REQUIRED UTILITIES.
 - CONCEAL ALL UTILITIES (GAS, WATER AND STEAM LINES) IN WALLS AND STUB-OUT OF WALLS AS REQUIRED FOR CONNECTIONS. DO NOT STUB OUT OF THE FLOOR UNLESS INDICATED ON PLANS AND/OR RUN EXPOSED ON THE FACE OF THE WALL.
 - ALL EXPOSED PIPING AND FITTINGS TO BE STAINLESS STEEL OR CHROME PLATED BRASS IF POSSIBLE. IF USED, COPPER LINES AND PVC DRAIN PIPES SHOULD BE PAINTED SILVER GLOSS WHERE EXPOSED.
 - ALL HORIZONTAL PIPING RUNS EXTENDED TO AND CONNECTED TO EQUIPMENT ITEMS SHALL BE AT THE HIGHEST PRACTICAL ELEVATION, BUT NOT LESS THAN 6" (150MM) ABOVE THE FINISHED FLOOR SO AS TO PROVIDE CLEARANCE FOR CLEANING.
 - PROVIDE WATER AND GREASE PROOF EXHAUST DUCTS FROM VENT CONNECTIONS OF DISHWASHING MACHINES, EXHAUST HOODS, AND VENTILATORS.
 - PROVIDE FIRE EXTINGUISHING SYSTEM IN ALL GREASE EXHAUST DUCTS AS REQUIRED.
 - N/A
 - FOR FIRE SUPPRESSION SYSTEM, A MECHANICAL GAS SHUT OFF VALVE OR ELECTRICAL SOLENOID SHUT OFF VALVE WITH MOMENTARY POWER INTERRUPTION DEVICE SHALL BE PROVIDED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR FOR FIELD INSTALLATION IN SUPPLY LINE FOR GAS FUELED EQUIPMENT ITEMS.
 - PROVIDE GREASE TRAPS WITH TOP FLUSH WITH TOP OF FINISHED FLOOR UNLESS PROVIDED OUTSIDE FOODSERVICE AREA. GREASE TRAPS SHALL NOT BE LOCATED BENEATH ANY FOODSERVICE EQUIPMENT. GREASE TRAPS SIZED AND LOCATED BY MECHANICAL ENGINEERS.
 - PROVIDE EACH AIR-COOLED REFRIGERATION SYSTEM WITH A MINIMUM AIR SUPPLY OF 1,000 CFM (472 L/S) PER HORSE POWER AND ADEQUATE EXHAUST TO KEEP AREA ADJACENT TO COMPRESSOR AND/OR COMPRESSOR ROOM TEMPERATURE BELOW 90°F (32°C).
 - N/A
 - N/A
 - ALL INTERCONNECTED WATER LINE (IWL) RUNS ARE FOR DESIGN INTENT ONLY AND DO NOT REPRESENT ACTUAL FIELD RUNS. REFER TO UTILITY LOAD SCHEDULE SHEETS FOR INFORMATION ON POINT OF CONNECTIVITY.
 - N/A
 - GAS REGULATOR AND INCOMING GAS LINE TO BE INSTALLED AS TIGHT AS POSSIBLE TO WALL. SEE DETAIL CM 1.04.1
 - PROVIDE AND INSTALL BACKFLOW PREVENTERS AS REQUIRED.
 - KITCHEN EQUIPMENT TRADE TO SUPPLY GAS REGULATORS (FOR COOKING EQUIPMENT ONLY), QUICK DISCONNECT HOSES, FAUCETS, OVERFLOWS AND LEVER DRAIN VALVES FOR PLUMBING TRADE TO COMPLETE AND INSTALL. ALL DIRECT/INDIRECT WASTE LINES, INTERCONNECTIONS AND FINAL CONNECTIONS BY PLUMBING TRADE.
 - REFRIGERATION LINES (VALVES, CONTROLS, INSULATION, ETC.) FOR WALK-INS AND REMOTE REFRIGERATED UNITS SUPPLIED AND INSTALLED BY KITCHEN EQUIPMENT TRADE. GC TO PROVIDE PENETRATIONS AND SLEEVES IN FLOOR, ROOF AND WALL FOR LINE RUNS AND SEAL OPENINGS. PLUMBING TRADE TO PROVIDE AND INSTALL INDIRECT DRAIN LINES AND TRAPS FROM EVAPORATOR COILS AND SEAL PENETRATIONS IN WALK-IN PANELS.
 - N/A
 - PLUMBING TRADE/ GAS COMPANY TO PROVIDE AND INSTALL GAS REGULATOR TO DELIVER ADEQUATE GAS PRESSURE (5"-10" WC, 1/2#) IN MAIN GAS LINE SERVING COOKING LINE.

FIRE EXTINGUISHING SYSTEM NOTES

FM1	WET CHEMICAL PIPING TO CONNECTION AT VENTILATOR BY KITCHEN EQUIPMENT TRADE.
FM2	IF REQUIRED BY LOCAL MECHANICAL JURISDICTIONS, PLUMBING TRADE TO PROVIDE BY -PASS AT GAS SOLENOID VALVE.

MECHANICAL SYMBOLS

◆	HW	HOT WATER
⊕	CW	COLD WATER
●	IW	INDIRECT WASTE
○	DW	DIRECT WASTE
⊙	G	GAS CONNECTION
△	CWT	COOLING WATER TOWER
△	CWTR	COOLING WATER TOWER RETURN
□	SS	STEAM SUPPLY
□	CSR	CONDENSATE STEAM RETURN
□	FS/FFD	FLOOR SINK/FUNNEL FLOOR DRAIN
□	AGD	AIR GAP DRAIN
□	AFD	AREA FLOOR DRAIN
▭	EXH	EXHAUST DUCT
▭	SUP	SUPPLY DUCT
—◆—	IWL	INTERCONNECTED WATER LINE
△	AIR	COMPRESSED AIR (LAUNDRY ONLY)

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER	CM170123
SCALE	1/4"=1'-0"
DRAWN	TCG
DATE	06/05/2020

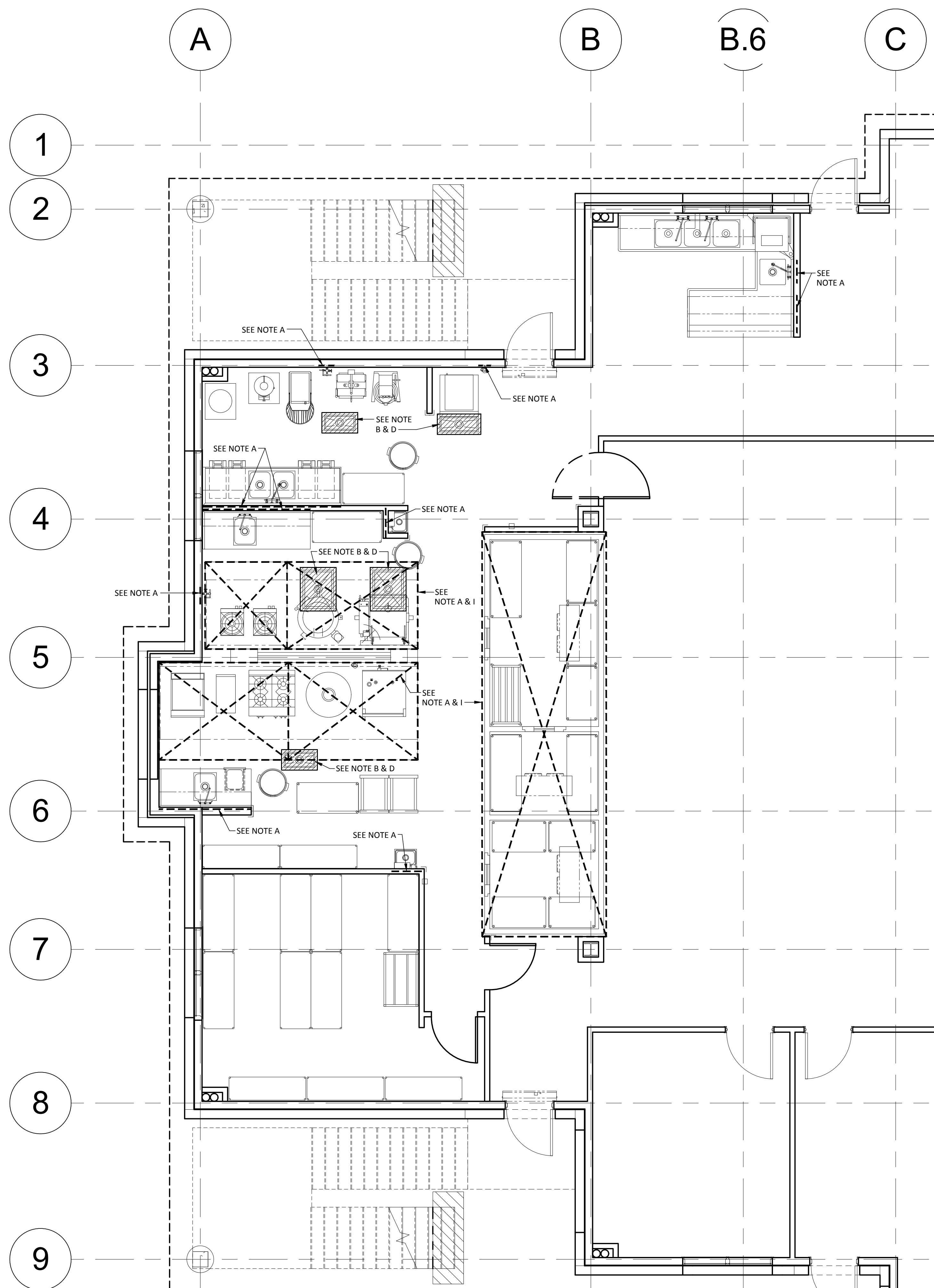
SHEET DESCRIPTION
FOODSERVICE MECHANICAL SPOT CONNECTIONS PLAN

SHEET NUMBER

FS-1M



FOODSERVICE EQUIPMENT LAYOUT
RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013



SPECIAL CONDITIONS NOTES

WORK DESCRIBED IN THESE NOTES IS TO BE ADDRESSED BY THE ARCHITECT

NOTE A: CONTRACTOR SHALL ENSURE ALL WALLS AND/OR CEILING ARE PROPERLY REINFORCED TO SUPPORT ALL WALL AND/OR CEILING SUPPORTED EQUIPMENT SEE DETAIL CM 1.01.1

NOTE B: CONTRACTOR SHALL PROVIDE 4" DEEP (100MM) DEPRESSION IN ROUGH SLAB TO RECEIVE S/S FLOOR TROUGH AND GRATING. DEPRESSION TO BE LEVEL AND SMOOTH. SEE DETAIL CM 1.02.1

NOTE C: N/A

NOTE D: CONTRACTOR SHALL PITCH FLOOR TO AREA DRAINS AT A MINIMUM OF 1/8" (3MM) PER FOOT. THIS CONDITION IS APPLICABLE IN WET SPACES SUCH AS CART WASH AREA, TRASH ROOM, DISHROOM AND POT WASH AREAS.

NOTE E: CONTRACTOR SHALL ENSURE WALL DEPTH IS SUFFICIENT TO RECEIVE RECESSED EQUIPMENT PROVIDED BY KEC.

NOTE F: N/A

NOTE G: N/A

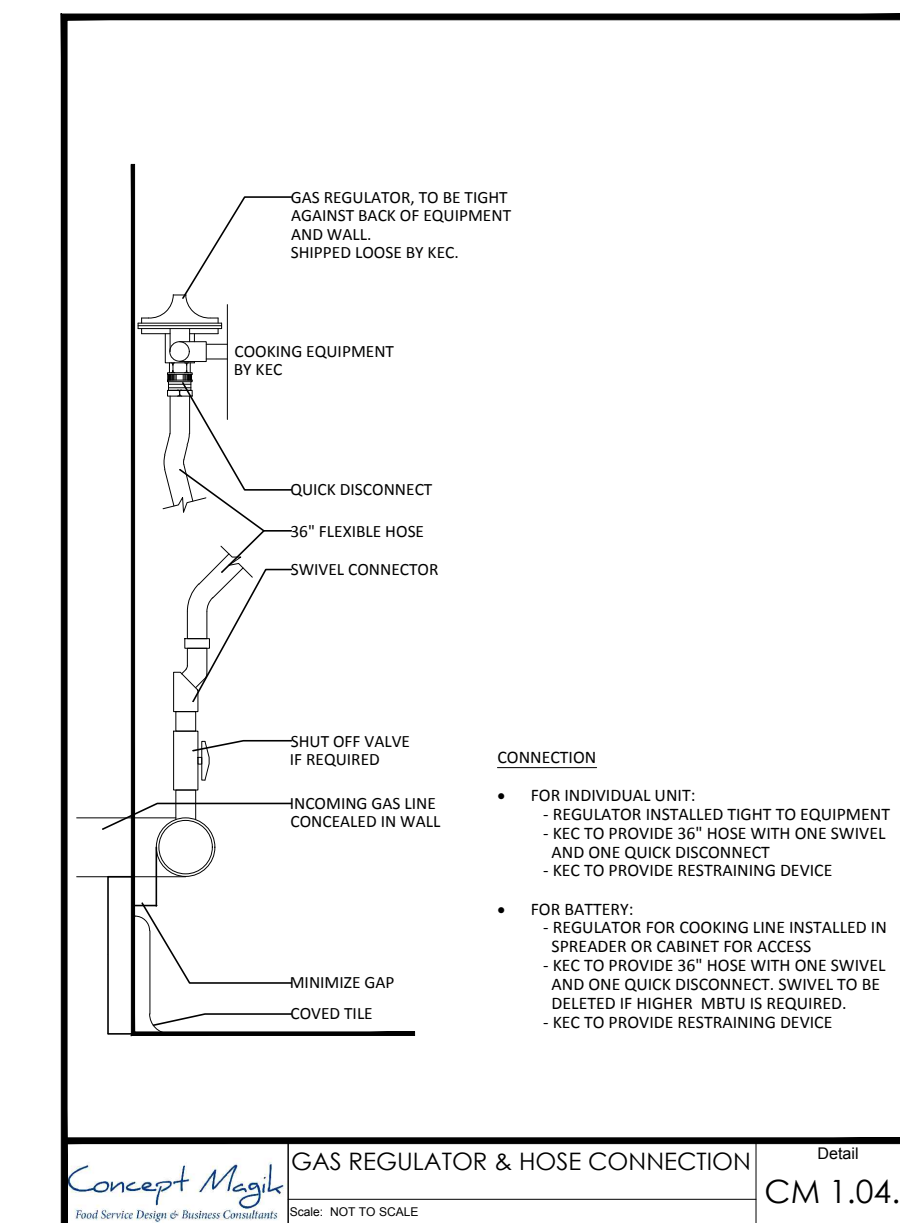
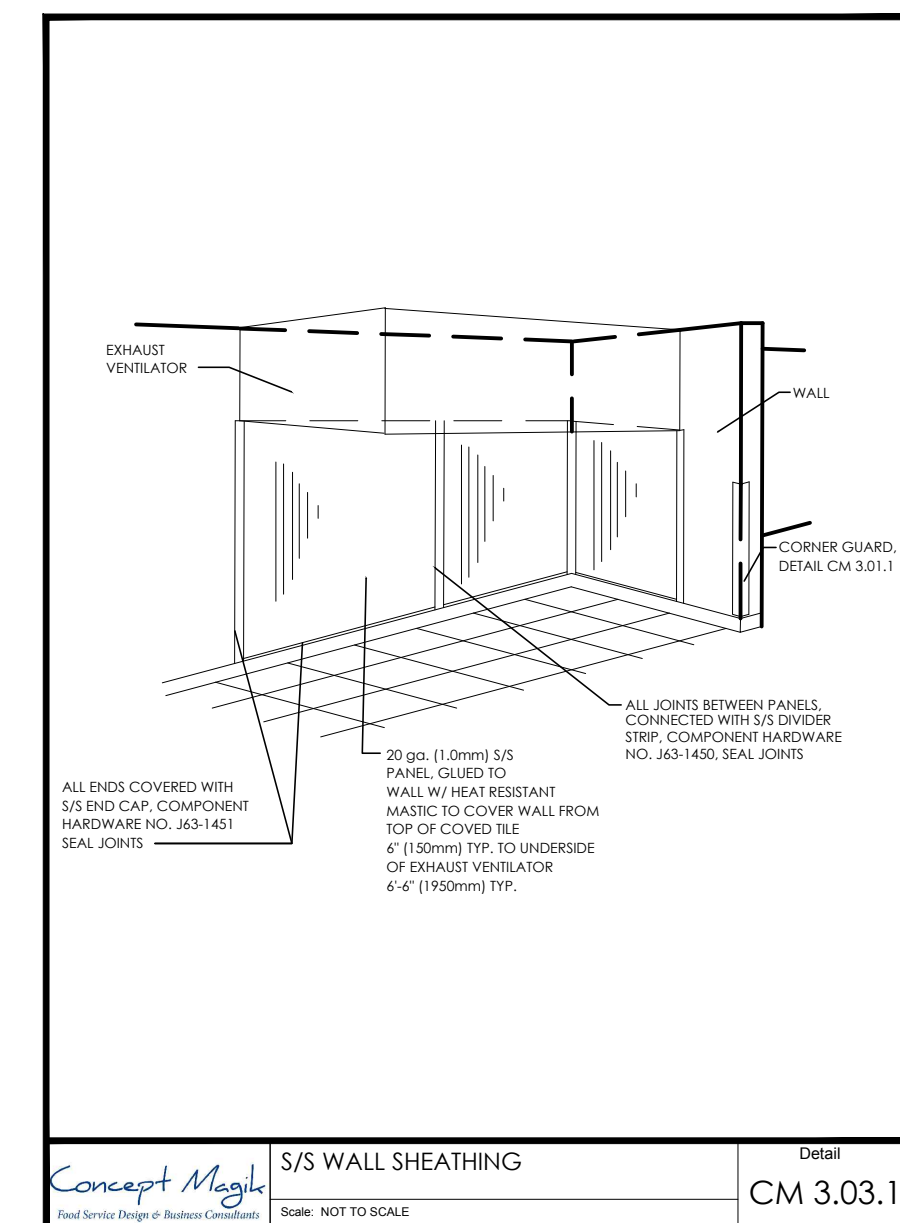
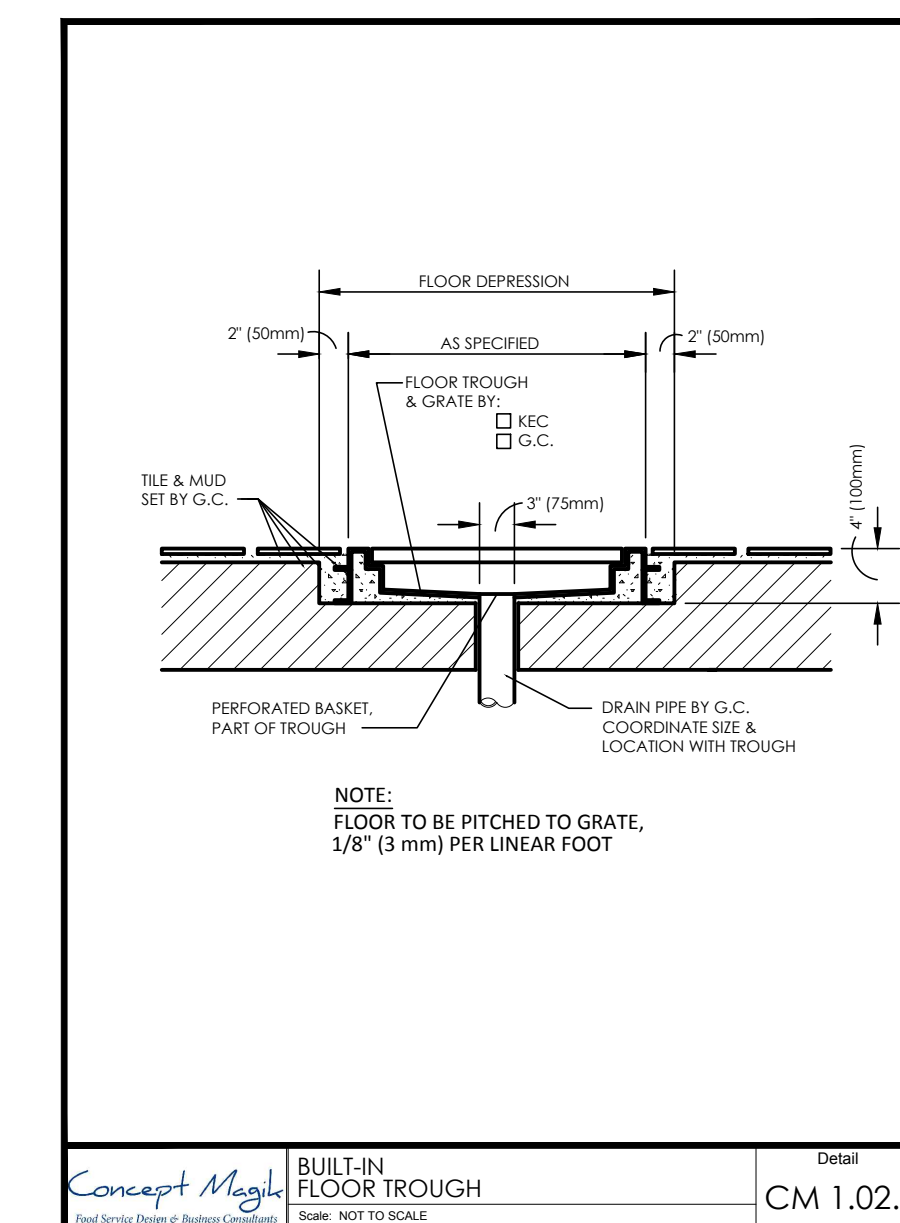
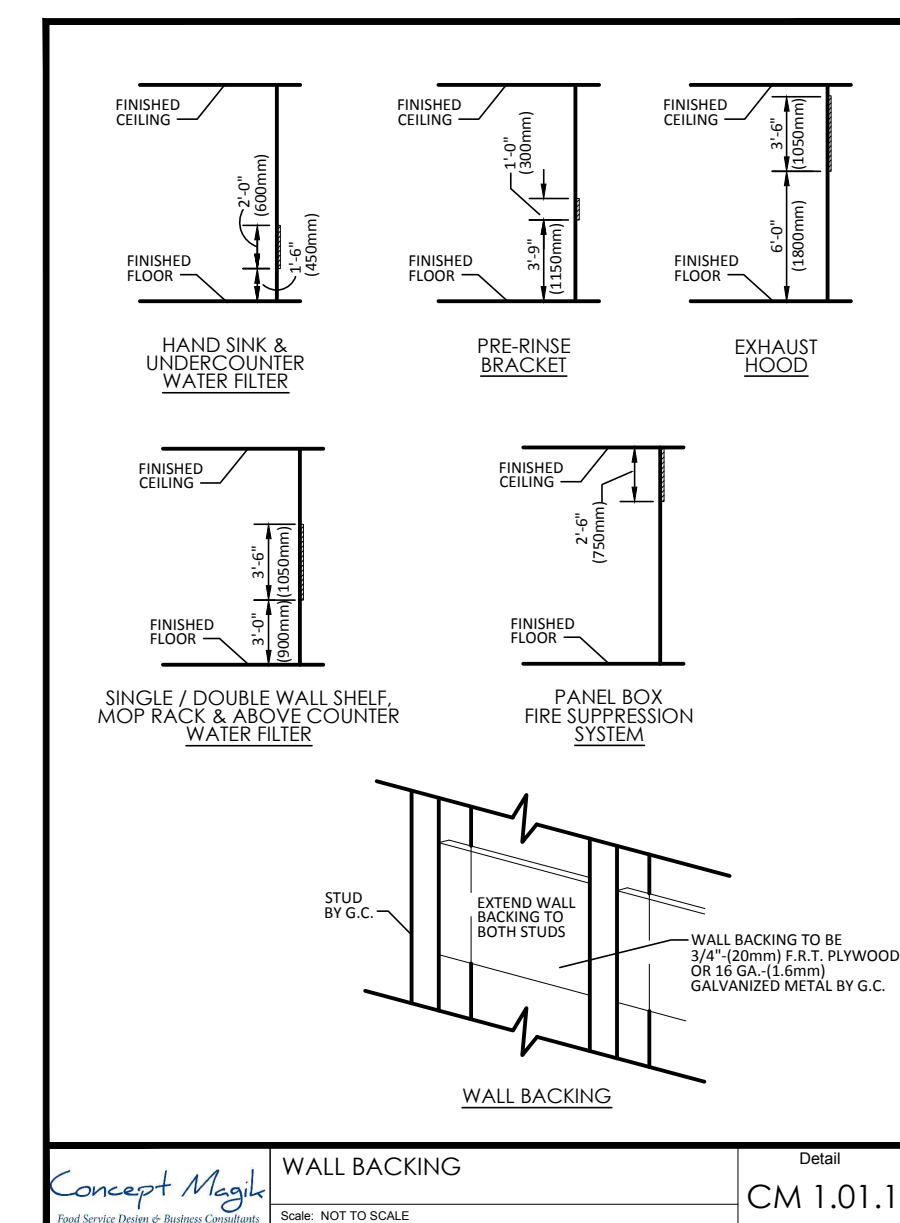
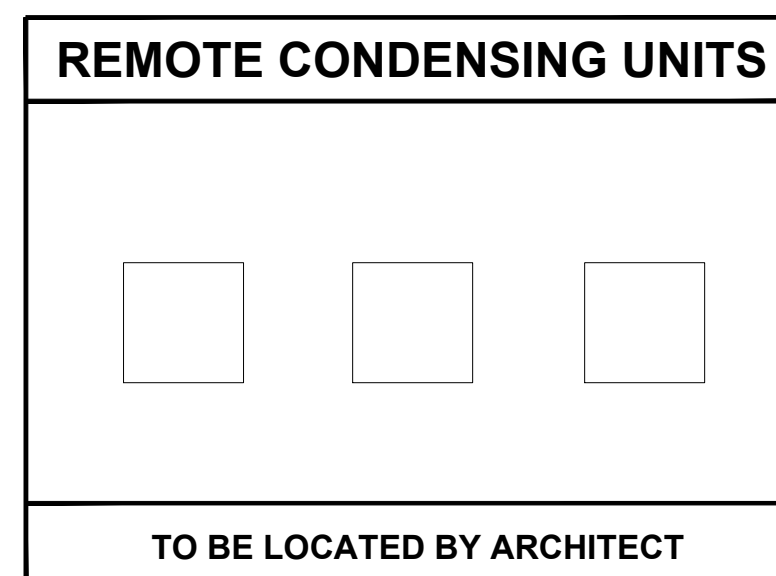
NOTE H: CONTRACTOR SHALL PROVIDE CLEAR OPENING IN WALL TO RECEIVE FOODSERVICE EQUIPMENT BY KEC. CONTRACTOR TO ALLOW 1/4" (6MM) CLEARANCE OF EACH SIDE AND TOP OF UNIT. KEC TO PROVIDE ALL NECESSARY S/S TRIM FOR BOTH SIDES OF WALL.

NOTE I: CONTRACTOR SHALL VERIFY INSTALLATION HEIGHT OF FINISHED CEILING WITH FOODSERVICE EQUIPMENT BELOW AS SHOWN.

NOTE J: CONTRACTOR SHALL ENSURE STRUCTURAL FLOOR IS ADEQUATE TO SUPPORT HEAVY EQUIPMENT SUCH AS PIZZA OVEN, ICE MAKERS AND REMOTE REFRIGERATION SYSTEM.

NOTE K: CONTRACTOR SHALL PROVIDE 3" (75MM) SLEEVE FOR REFRIGERATION LINES PROVIDED BY KEC.

NOTE L: CONTRACTOR TO PROVIDE ROOF PAD OR ROOF CURB, ROOF PENETRATIONS, WATERPROOFING AND ROOF SUPPORT FOR REMOTE REFRIGERATION SYSTEM.



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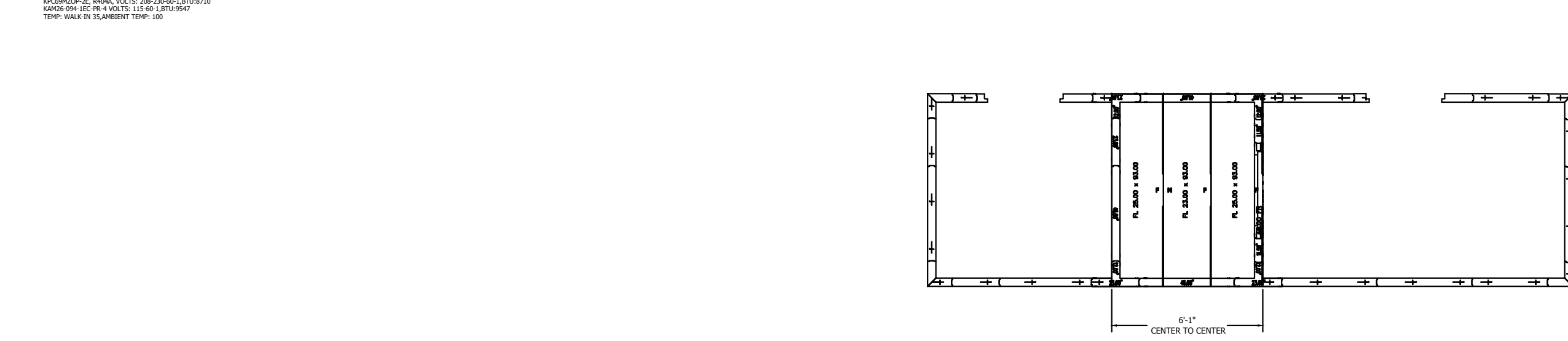
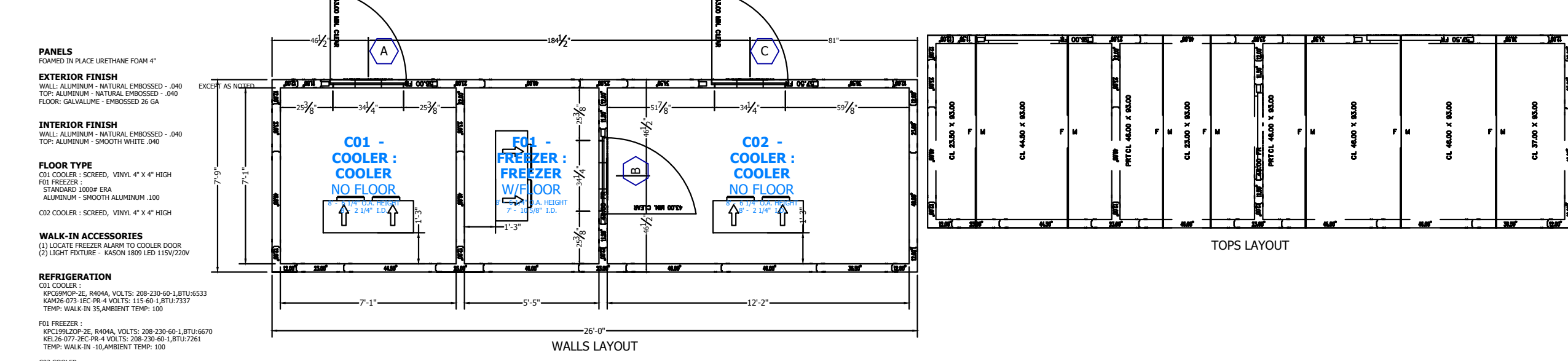
PROJECT NUMBER: CM170123
 SCALE: 1/4"=1'-0"
 DRAWN: TCG
 DATE: 06/05/2020

SHEET DESCRIPTION
FOODSERVICE SPECIAL CONDITIONS PLAN

SHEET NUMBER

WALK-IN SPECIFICATIONS

Cooler/Freezer/Cooler
OVERALL SIZE: 36'-0" X 7'-0" X 8'-4 1/4"



ATTENTION

IMPORTANT: READ THESE SPECIFICATIONS CAREFULLY BEFORE INSTALLATION. ASSET QUALITY WILL BE ASSURED AFTER INSTALLATION. ...

FOR APPROVAL

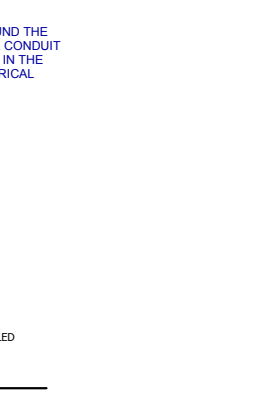
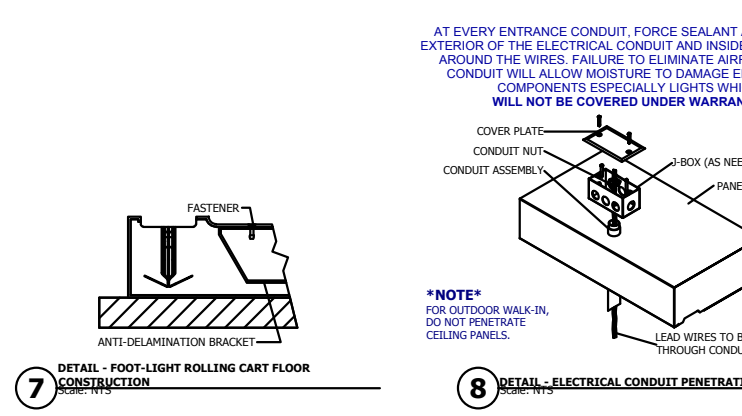
YOU MUST SIGN OFF ALL WORK, INCLUDING DIMENSIONS, FINISHES, AND SIZES, LOCATION AND RANGE.

SMOOTH FINISH DISCLAIMER

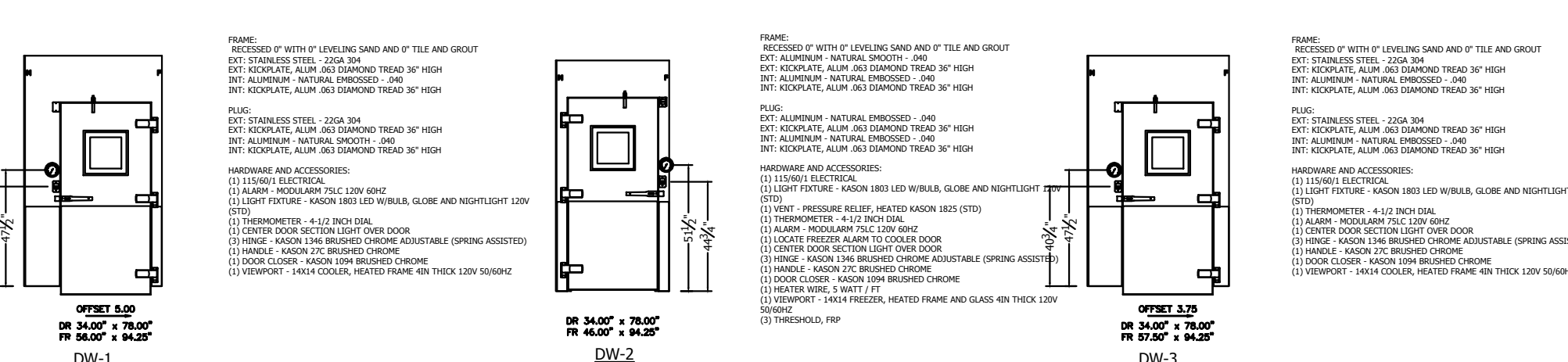
Panels with non-textured and/or no-profile panel finishes (smooth finishes) on the exterior and interior faces may exhibit "oil canning" and finish imperfections on the surface.

NOTICE:

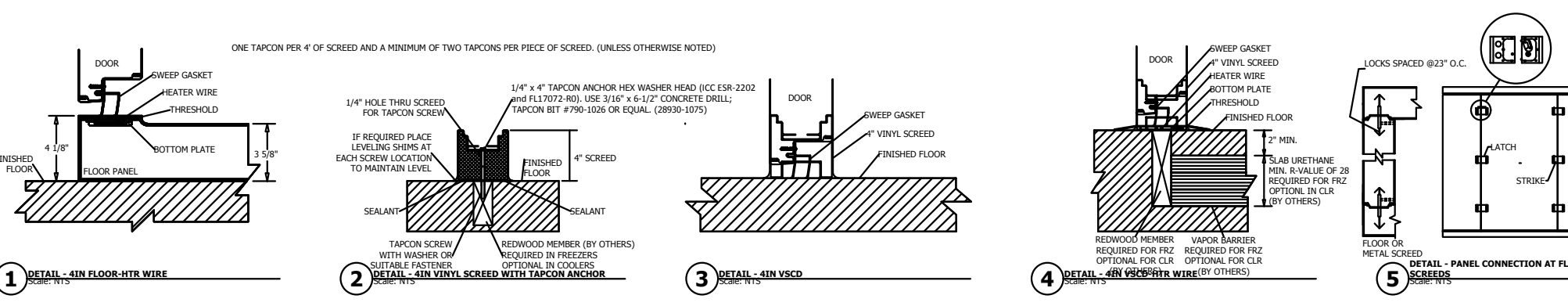
- Kolpak and Herford walk-ins are compliant with UL standards.
- Door panels are UL471, UL file listing E46140.
- Standard evaporator coils are UL412.
- Condensing Units are UL1995.



DRAWING BY: J. K. GIBSON
 UNIT # 001
 ORDER #:
 KOLPAK
 A Weather Brand
 RADHA KRISHNA TEMPLE OF DALLAS
 ALLEN, TX 75013 USA
 LANE MARKETING GROUP
 SHEET # AD-3 of 3



DOOR ELECTRICAL DISPOSITION						
DESCRIPTION	QTY	W	H	AMP	AMP LOAD	
INDOR PROOF LIGHT	1	18	11	15	0.15	
ILLUMINATION LIGHT	1	18	11	15	0.15	
POWER WIRE	1	18	11	15	0.15	
CONTROL WIRE	1	18	11	15	0.15	
CONTROL WIRE	1	18	11	15	0.15	
CONTROL WIRE	1	18	11	15	0.15	
CONTROL WIRE	1	18	11	15	0.15	
CONTROL WIRE	1	18	11	15	0.15	
CONTROL WIRE	1	18	11	15	0.15	
TOTAL - SINGLE PHASE @ 240V TOTAL WAMP					1.05	



COMPARTMENT				CONDENSING UNIT										CONDENSING UNIT ASSEMBLY				CLEARANCE REQUIREMENT		
DESCRIPTION	WT	QTY	MODEL #	COMPRESSION	T (IN)	H (IN)	L (IN)	W (IN)	H (IN)	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
COOL COOLER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL FREEZER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL COOLER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL FREEZER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL COOLER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL FREEZER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL COOLER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL FREEZER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL COOLER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL FREEZER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL COOLER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL FREEZER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
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COOL COOLER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4
COOL FREEZER	35	1	43K225	SCSICAL	33	35.5	18.25	18	2	1.2	200-230	60	1	1.2	200-230	151	30	7/8	3/8	3/4

Foodservice Consultant:

Concept Magik

Foodservice Design & Business Consultants
 18913 Coral Grove Terrace
 Germantown, MD 20854
 Tel: 301-515-7999
 email: vjo@concept-magik.com
 www.concept-magik.com



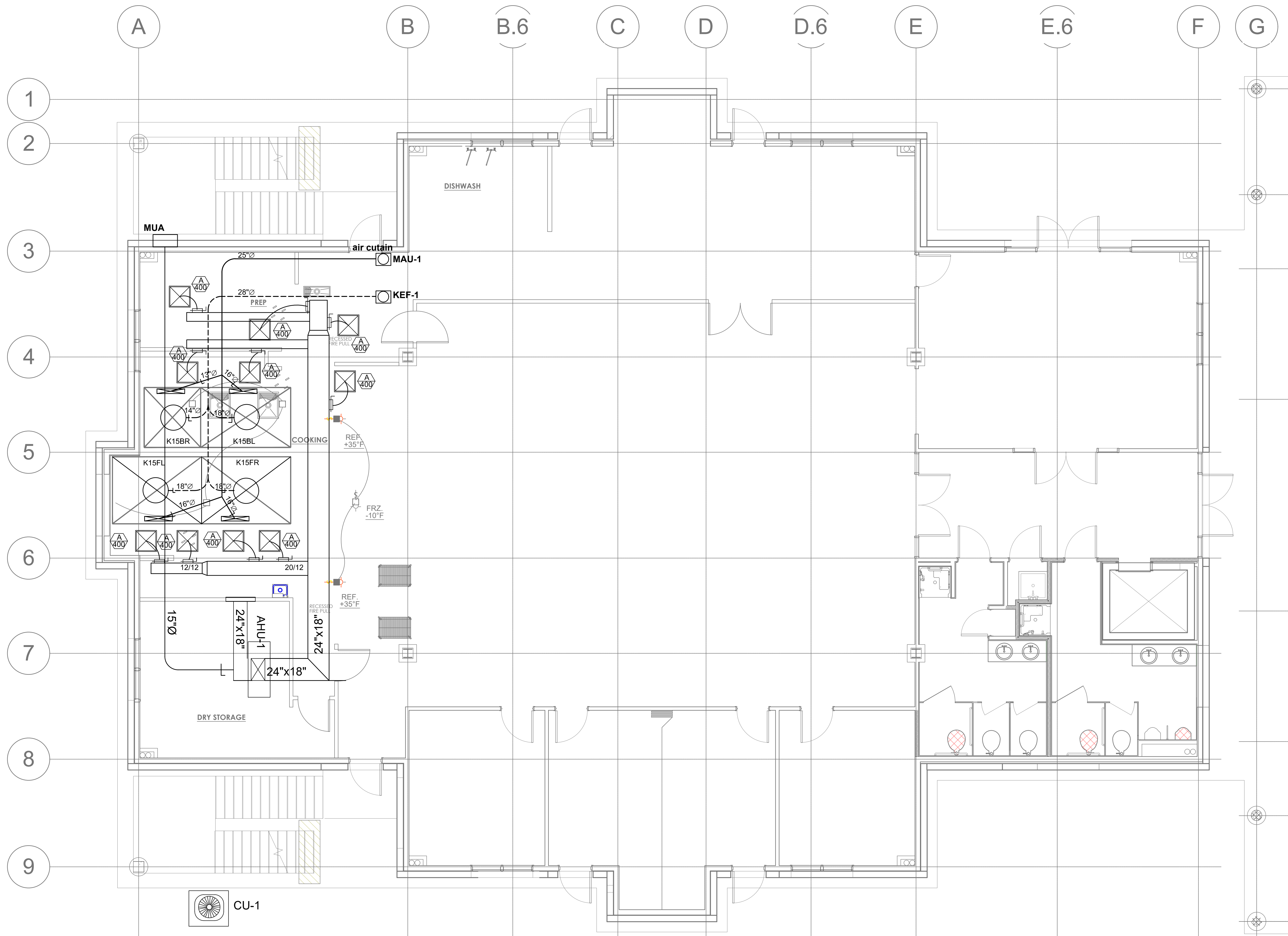
FOODSERVICE EQUIPMENT LAYOUT
RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

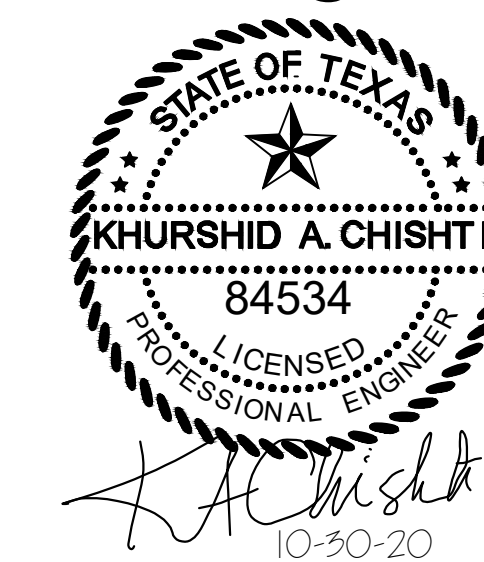
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 SCALE: NONE
 DRAWN: TCG
 DATE: 06/05/2020

SHEET DESCRIPTION:
FOODSERVICE WALK-IN DETAILS

SHEET NUMBER:
FS-1W



M. En. P. Engineers
 Reg.#12249
 124 N. Spring Dr. ,
 Richardson, TX 75081
 972-697-3057
 KChishti@aol.com



Project

RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION

KITCHEN HVAC PLAN

SHEET NUMBER

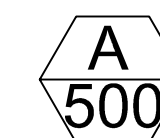
M1.0

01 KITCHEN HVAC PLAN

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

HVAC GENERAL NOTES

- DESIGN AND INSTALLATION OF ALL HEATING, VENTLATION AND AIR CONDITIONING SYSTEMS SHALL BE IN ACCORDANCE WITH THE "2009 INTERNATIOANL ENERGY CONVERSATION CODE.
- THE INSTALLATION OF THE MECHANICAL APPLIANCES AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL KEEP ALL INSTALLATION INSTRUCTIONS AT THE JOBSITE AT THE TIME OF INSPECTION.
- ALL REFRIGERANT CONTAINING EQUIPMENT AND APPLIANCES SHALL MEET UL-1995 STANDARDS.
- ALL OUTSIDE AIR INTAKE OPENINGS SHALL BE A MINIMUM OF 10 FEET FROM ANY PLUMBIING VENT PARKING LOT, FUEL FIRED APPLIANCE VENT OR EXHAUST FAN DISCHARGE. VENT OR EXHAUST FAN DISCHARGE.
- ALL HVAC DUCTS SHALL MEET THE SECTION 603 OF INTERNATIONAL MECHANICAL CODE REQUIREMENTS. ALL METALIC DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. FLEXIBLE AIR DUCTS SHALL BE TESTED IN SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
- FLEXIBLE AIR DUCT CONNECTORS SHALL BE TESTED IN ACCORDANCE WITH UL 181, AND LISTED AND LABELED AS CLASS 0 OR CLASS I AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ALL SUPPLY AIR DUCTS SHALL BE INSULATED WITH A MINUMUM R-5 INSULATION. THE INSULATION DUCT LININGS INCLUDING ADHESIVES SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25AND A SMOKE-DEVELOPED INDEX NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E-84, USING THE SPECIMEN PREPARATION AND MOUNTING PROCEDURES OF ASTM 2231 DUCT COVERINGS AND LININGS SHALL NOT FLAME, GLOW, SMOLDER OR SMOKE WHEN TESTED IN ACCORDANCE WITH ASTM C411 AT THE TEMPERATURE TO WHICH THEY ARE EXPOSED.
- ALL DUCTS JOINTS, SEAMS, AND CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC-PLUS-EMBEDED-FABRIC SYSTEMS OR TAPES. THE TAPES AND MASTICS SHALL BE LISTED AND LABELED IN ACCODANCE WITH UL 181A.
- ALL AIR HANDLING UNITS SHALL BE FURNISHED WITH RETURN AIR FILTERS, LIQUID ADHESIVE COATINGS USED ON FILTERS SHALL HAVE A FLASH POINT NOT LOWER THAN 326 DEG. F. MEDIA TYPE AIR FILTERS SHALL COMPLY WITH UL 900. HIGH EFFICIENCY PARTICULATE AIR FILTERS SHALL COMPLY WITH UL 586. ELECTROSTATIC TYPE SHALL COMPLY WITH UL 867.
- PROVIDE AIR TURNING VANES IN ALL SQUARE AND 45° ELBOWS.



SUPPLY AIR REGISTER TYPE 'A' 400CFM.

ER1

EXHAUST REGISTER TYPE 'ER1'.

R2

RETURN AIR REGISTER TYPE 'R2'.

B

SUPPLY AIR REGISTER TYPE 'B'

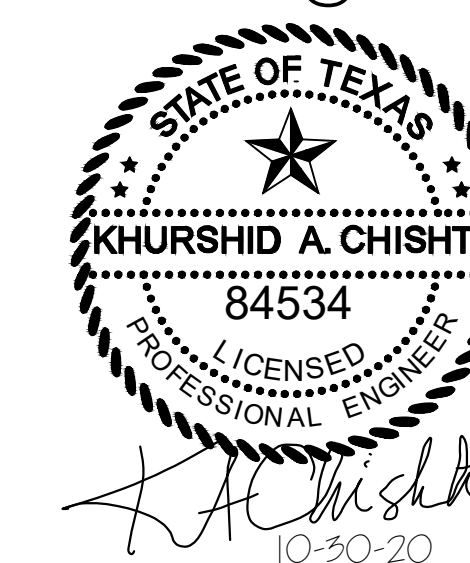
EF-2

EXHAUST FAN TAG EF-2.

RTU-1

ROOF TOP UNIT TAG 'RTU-1'.

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AIR DISTRIBUTION DEVICES

MARK	DUTY	DESCRIPTION	MFGR./MODEL No.
A	SUPPLY	24"x 24" LOUVERED FACE, LAY-IN ROUND NECK SIZE AS SHON	TITUS 350
R1	RETURN	48"x24" W/FRAME	TITUS R350

MECHANICAL EQUIPMENT SCHEDULE

MARK	CFM	TON	SEER	EX. S.P.	OUTSIDE AIR	ELECTRIC				WEIGHT, LBS	DIMENSIONS IN.			MAKE AND MODEL
						VOLTS	HEATER KW	MIN AMPS	FUSE		L	W	D	
AIR HANDLING UNIT														
AHU-1	4,000	10	11.2	1.0	500	208/60/3	18.9	77	80	200	88	30	26	TRANE TWE120E3
1. ALL AIR HANDLING UNITS OF 2,000 CFM AND LARGER SHALL BE EQUIPPED WITH SMOKE DETECTORS IN THE DUCT AND SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM.														
CONDENSING UNITS														
CU-1	10				208/60/3			46	70	450	46	35	39	TRANE TWA3060A3

Project

RADHA KRISHNA TEMPLE
 FOODSERVICE EQUIPMENT LAYOUT
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

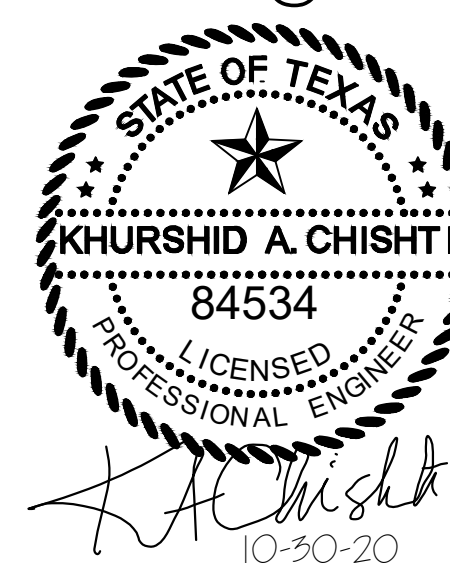
SHEET DESCRIPTION

**KITCHEN HVAC
NOTES & SCHEDULE**

SHEET NUMBER

M2.0

M. En. P. Engineers
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Project

RADHA KRISHNA TEMPLE
FOODSERVICE EQUIPMENT LAYOUT
1450 N. WATERS ROAD
ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

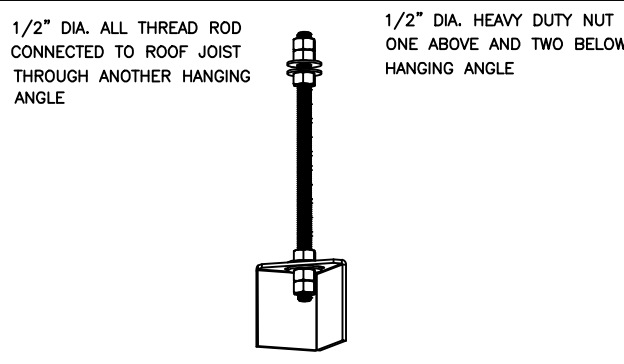
DATE 06/05/2020

SHEET DESCRIPTION

KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

M3.1



HANGING ANGLE DETAILS

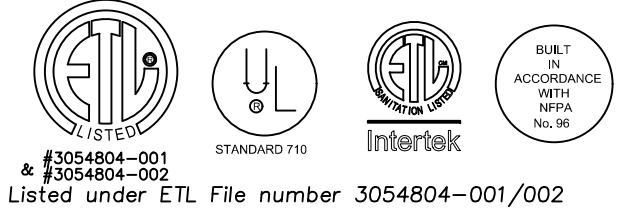
HOOD STYLE / MODEL	450 DEGREES cfm/ft.	600 DEGREES cfm/ft.	700 DEGREES cfm/ft.
CANOPY ND-2	150	200	250
CANOPY ND-2 W/ END PANELS	105	140	175
SLOPED SND-2	228	294	-
ISLAND ND-2W	269	300	350
ISLAND ND-2	346	422	475

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 (CFM)²
DUCT LENGTH = TOTAL DUCT AREA / DUCT WIDTH

CALCULATIONS UTILIZED

CAPTIVE-AIRE HOODS BUILT IN COMPLIANCE WITH:



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

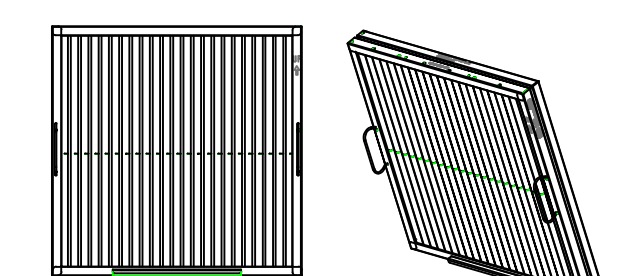
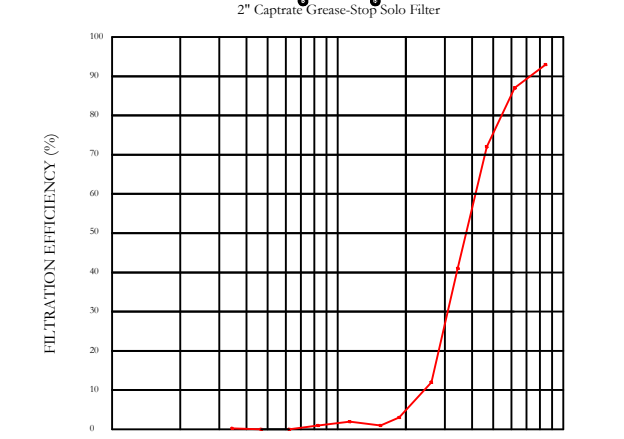
CLEARANCE TO COMBUSTIBLES

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 HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
 - ALL CONNECTIONS FROM CAPTIVEAIRE 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 CAPTIVEAIRE 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.
 - SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RELAYED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

GENERAL NOTES

FILTER COLLECTION EFFICIENCY



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

FILTER DETAIL

HOOD INFORMATION - Job#4328831

HOOD NO.	TAG	MODEL	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.	S.P.	END TO END	ROW
1	15F (L)	6024 EX-2-PSP-F	8' 4"	600 Deg.	I	Heavy	225	1875			4"	14"	1875	1754	-0.378"	1500	430 SS Where Exposed	LEFT	FRONT
2	15F (R)	6024 EX-2-PSP-F	8' 5"	600 Deg.	I	Heavy	200	1683			4"	14"	1683	1574	-0.305"	1363	430 SS Where Exposed	RIGHT	FRONT
3	15B (L)	5424 EX-2-PSP-F	8' 6"	450 Deg.	I	Medium	200	1700			4"	14"	1700	1590	-0.311"	1360	430 SS Where Exposed	LEFT	BACK
4	15B (R)	5424 EX-2-PSP-F	5' 3"	600 Deg.	I	Heavy	200	1050			4"	12"	1050	1337	-0.226"	840	430 SS Where Exposed	RIGHT	BACK

HOOD INFORMATION

HOOD NO.	TAG	FILTER (S)				LIGHT (S)				UTILITY CABINET (S)				FIRE SYSTEM PIPING	HOOD HANGING WGT		
		TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	SIZE			ELECTRICAL MODEL #	SWITCHES QUANTITY
1	15F (L)	SS Baffle with Handles	6	20"	16"	30%	5	L55 Series E26	NO	Wall Mnt	12"x60"x24"	Ansul R102	3.0/3.0/3.0			YES	490 LBS
2	15F (R)	SS Baffle with Handles	6	20"	16"	30%	5	L55 Series E26	NO							YES	507 LBS
3	15B (L)	SS Baffle with Handles	6	20"	16"	30%	5	L55 Series E26	NO							YES	530 LBS
4	15B (R)	SS Baffle with Handles	3	20"	16"	30%	3	L55 Series E26	NO							YES	319 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1	15F (L)	FIELD WRAPPER 18.00" High Front LEFT END STANDOFF 1" Wide 60" Long Insulated LEFT SIDESPLASH 80.00" High X 60.00" Long 430 SS Vertical BALANCE DAMPERS RISER SENSOR INSTALL 3IN DBL
2	15F (R)	FIELD WRAPPER 18.00" High Front, Right BALANCE DAMPERS RISER SENSOR INSTALL 6IN PLEN
3	15B (L)	FIELD WRAPPER 18.00" High Front, Left BACK STANDOFF (FLAT) 10" Wide 102" Long BALANCE DAMPERS RISER SENSOR INSTALL 6IN PLEN
4	15B (R)	FIELD WRAPPER 18.00" High Front RIGHT END STANDOFF 1" Wide 54" Long Insulated RIGHT SIDESPLASH 80.00" High X 64.00" Long 430 SS Vertical BACK STANDOFF (FLAT) 10" Wide 64" Long BALANCE DAMPERS RISER SENSOR INSTALL 6IN PLEN

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER (S)			
							WIDTH	LENG.	DIA.	CFM
1	15F (L)	Front	101"	16"	6"	MUA	12"	28"	750	0.211"
2	15F (R)	Front	101"	16"	6"	MUA	12"	28"	681	0.176"
3	15B (L)	Front	102"	14"	6"	MUA	12"	28"	680	0.175"
4	15B (R)	Front	64"	14"	6"	MUA	10"	20"	420	0.119"

VERIFY CEILING HEIGHT

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____ Date _____

HVAC DISTRIBUTION NOTE

IT IS RECOMMENDED NOT TO INSTALL HIGH VELOCITY DIFFUSERS OR HVAC RETURNS WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

EXHAUST HOOD DETAILS

REVISIONS

DESCRIPTION	DATE

CAPTIVEAIRE

Maryland Office
2221 Kanawha Ave. Silver Spring, MD, 20910 PHONE: (800) 988-0881 FAX: (919) 227-5831 EMAIL: reg3@captivaire.com

RKDT - MK - Allen, TX
ALLEN, TX, 75013

DATE: 05-19-2020
DWG.#: 4328831
DRAWN BY: BS-32
SCALE: NTS
MASTER DRAWING

SHEET NO. 1

M. En. P. Engineers
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 124 N. Spring Dr. ,
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 KChishti@aol.com



Project

FOODSERVICE EQUIPMENT LAYOUT
RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION

KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

M3.2

REVISIONS	
DESCRIPTION	DATE



RKDT - MK - Allen, TX
 ALLEN, TX, 75013

DATE: 05-19-2020

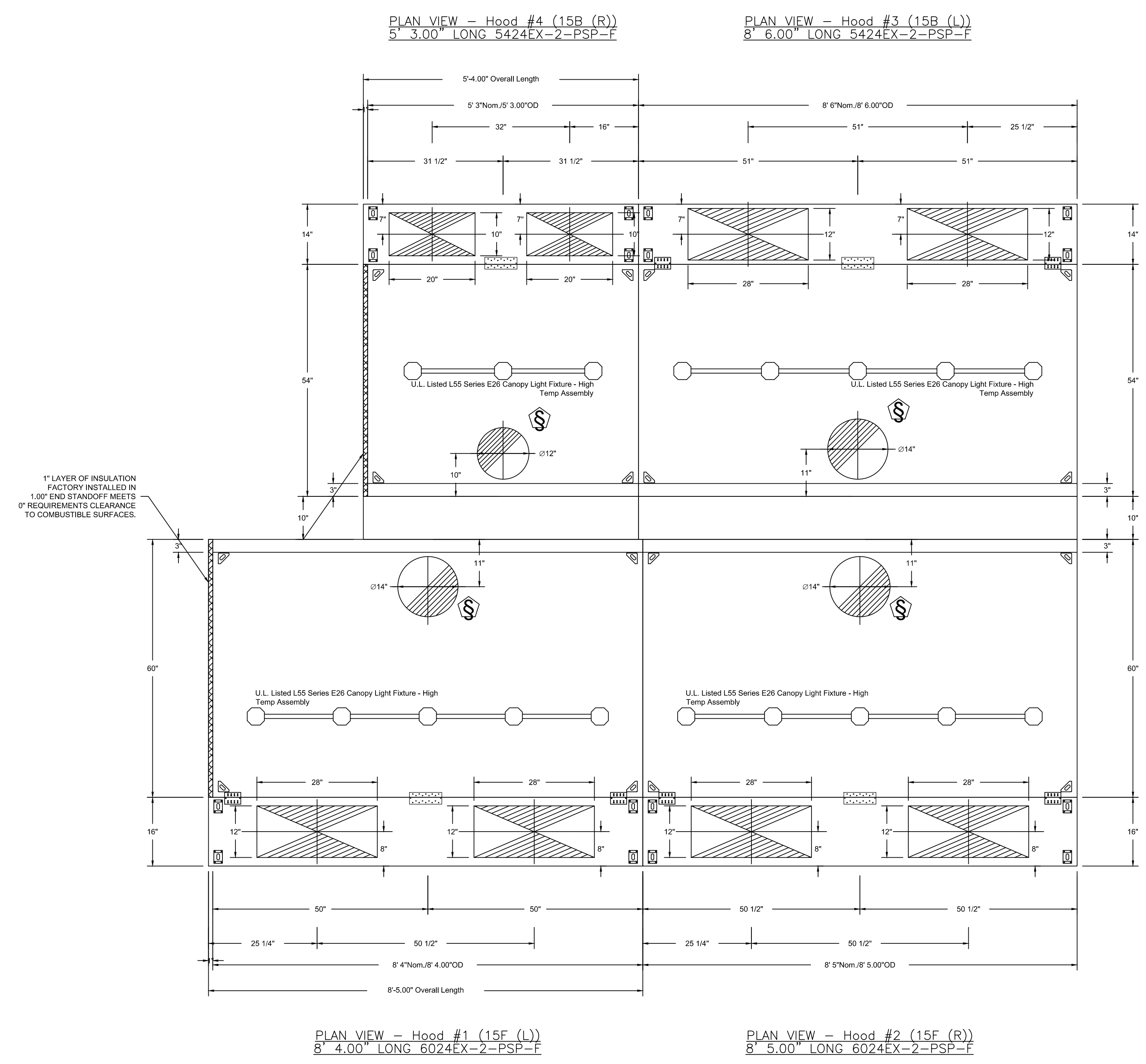
DWG.#: 4328831

DRAWN BY: BS-32

SCALE: NTS

MASTER DRAWING

SHEET NO. 2



PLAN VIEW - Hood #4 (15B (R))
 5' 3.00" LONG 5424EX-2-PSP-F

PLAN VIEW - Hood #3 (15B (L))
 8' 6.00" LONG 5424EX-2-PSP-F

PLAN VIEW - Hood #1 (15F (L))
 8' 4.00" LONG 6024EX-2-PSP-F

PLAN VIEW - Hood #2 (15F (R))
 8' 5.00" LONG 6024EX-2-PSP-F

M. En. P. Engineers
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 124 N. Spring Dr. ,
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Project

FOODSERVICE EQUIPMENT LAYOUT
RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

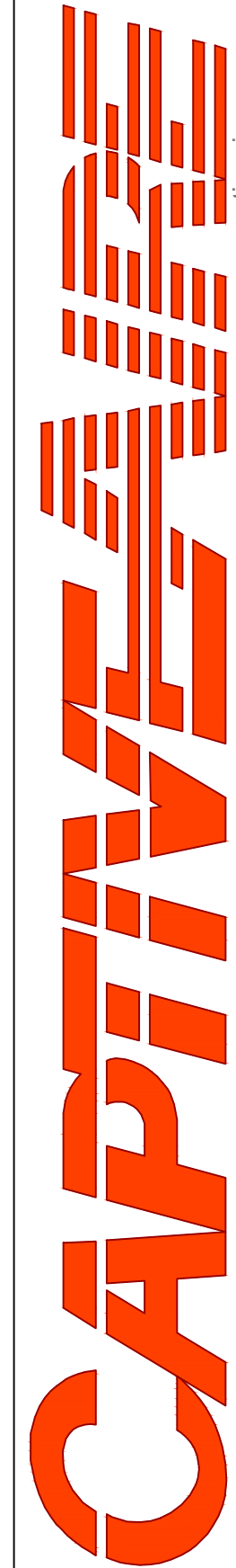
DATE 06/05/2020

SHEET DESCRIPTION
**KITCHEN EXHAUST
 HOOD DETAILS**

SHEET NUMBER

M3.3

REVISIONS	
DESCRIPTION	DATE



www.captiveair.com
 Maryland Office

2221 Kansas Ave. Silver Spring, MD. 20910 PHONE: (800) 988-0881 FAX: (919) 227-5931 EMAIL: reg32@comcast.com

RKDT - MK - Allen, TX

ALLEN, TX, 75013

DATE: 05-19-2020

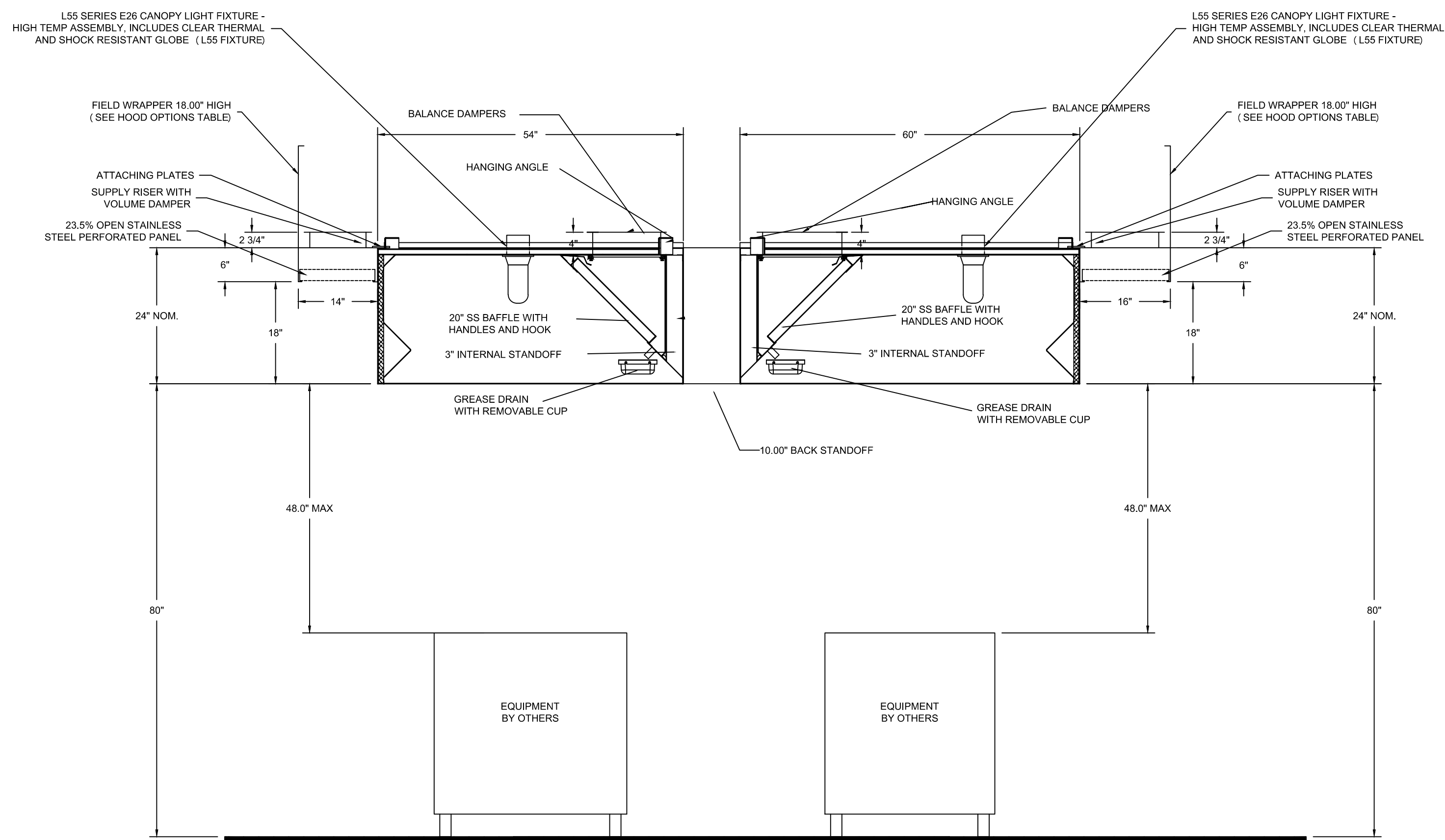
DWG.#: 4328831

DRAWN BY: BS-32

SCALE: NTS

MASTER DRAWING

SHEET NO.
 3

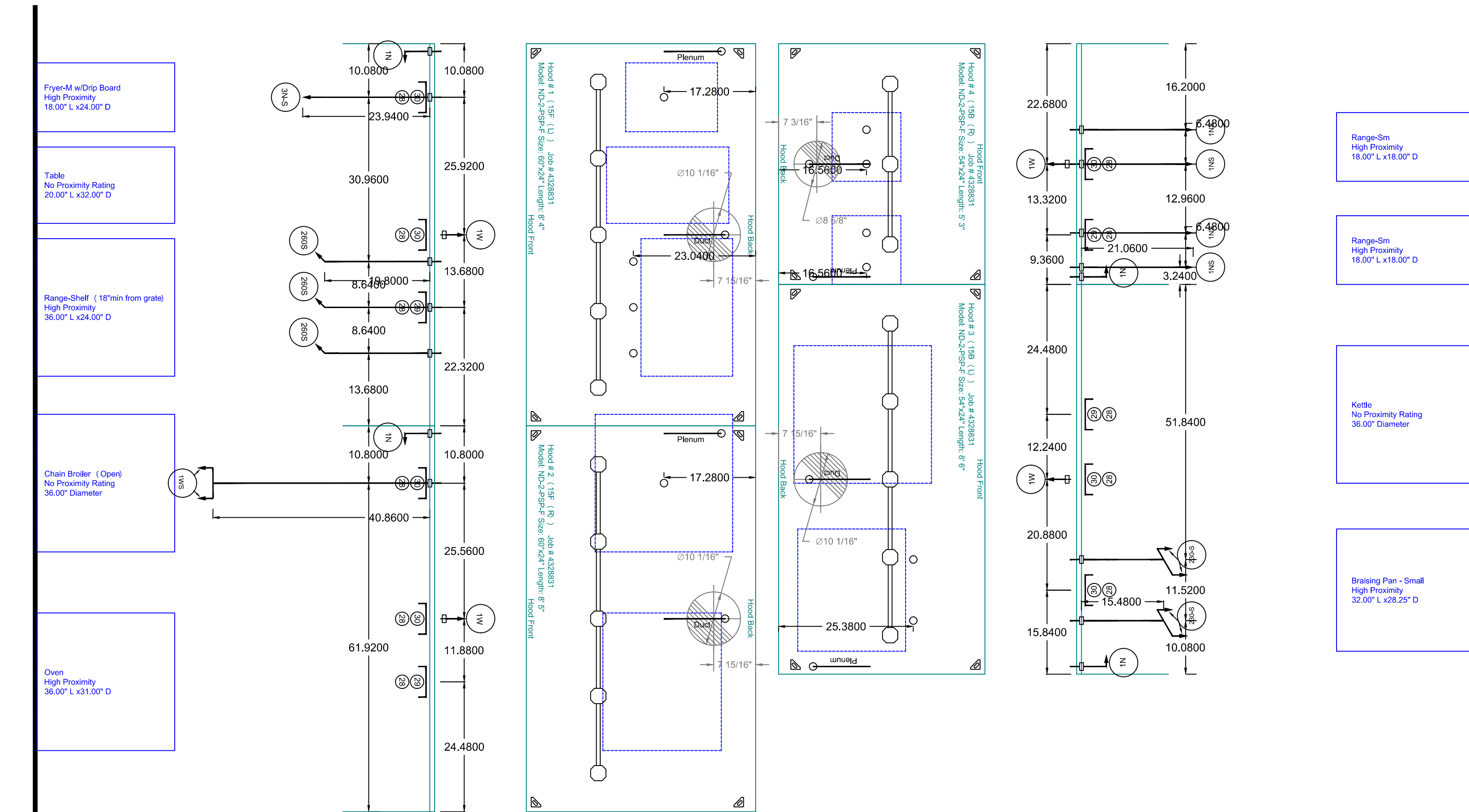
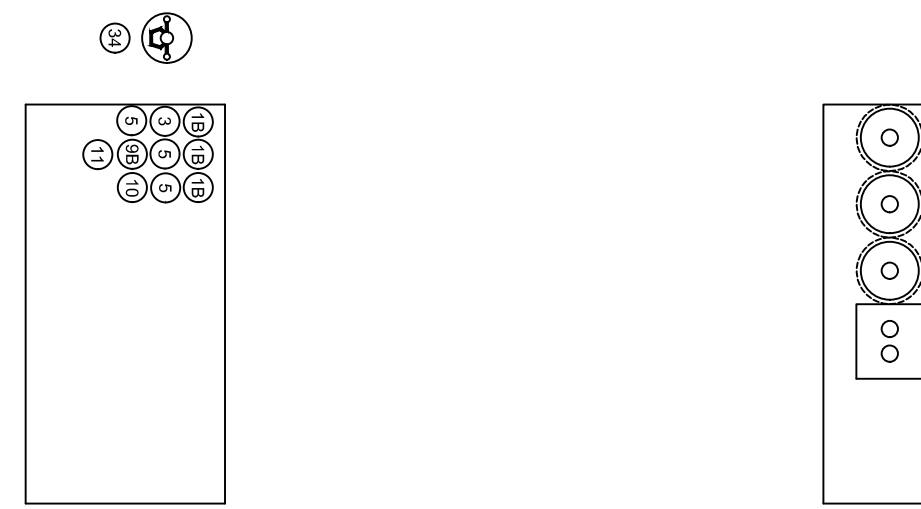


SECTION VIEW - MODEL 5424EX-2-PSP-F
 HOOD - #4 (15B (R))

SECTION VIEW - MODEL 6024EX-2-PSP-F
 HOOD - #1 (15F (L))

Fire System Information - Job#4328831

FIRE SYSTEM NO.	Tag	TYPE	SIZE	MAX FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0/3.0/3.0	33	Wall Utility Cabinet Left	N/A



NOTES
 - FIELD PIPE DROPS AS SHOWN
 - SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
 - MAXIMUM 9 ELBOWS IN SUPPLY LINE.
 - MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
 - IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

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

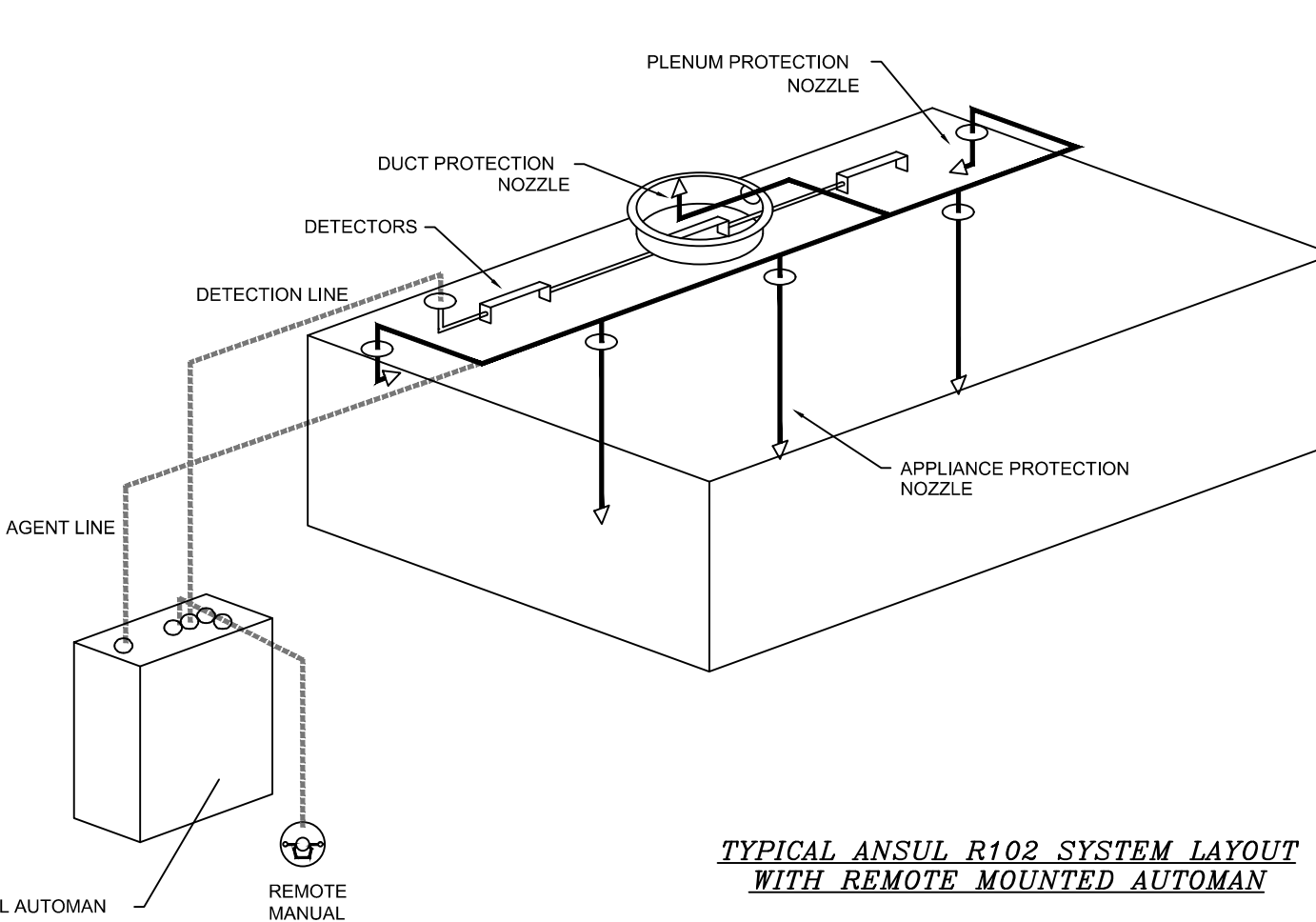
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

Job #: 4328831
 Job Name: RKTD - MK - Allen, TX

System Size: ANSUL-3.0/3.0/3.0-WC Total FP Required: 31
 Hood # 1 8' 4.00" Long x 60" Wide x 24" High
 Riser # 1 Size: 14" Dia.
 Hood # 1 Metal Blow-Off Caps included.
 Hood # 2 8' 5.00" Long x 60" Wide x 24" High
 Riser # 1 Size: 14" Dia.
 Hood # 2 Metal Blow-Off Caps included.
 Hood # 3 8' 6.00" Long x 54" Wide x 24" High
 Riser # 1 Size: 14" Dia.
 Hood # 3 Metal Blow-Off Caps included.
 Hood # 4 5' 3.00" Long x 54" Wide x 24" High
 Riser # 1 Size: 12" Dia.
 Hood # 4 Metal Blow-Off Caps included.

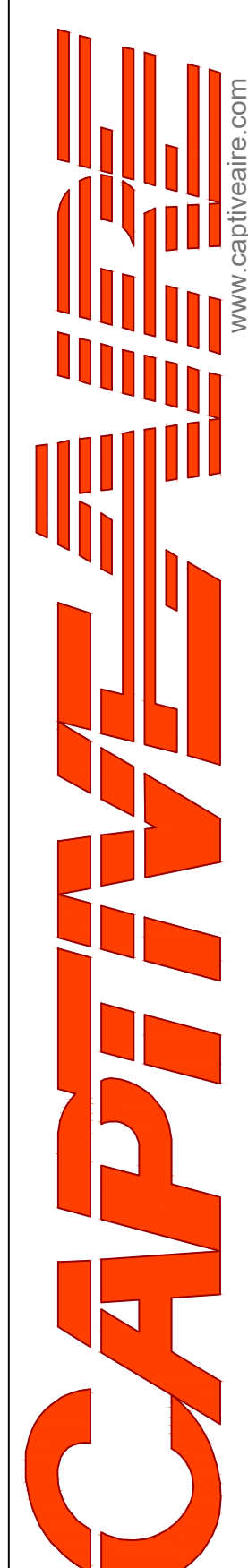
LEGEND - FIRE CABINET ANSUL SYSTEM

- 1A 1.5 GALLON TANK
- 1B 3 GALLON TANK
- 2 OEM AUTOMAN RELEASE
- 3 OEM REGULATED RELEASE
- 4 OEM REGULATED ACTUATOR
- 5 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 9A CARTRIDGE (LT-A-101-30)
- 9B DOUBLE TANK CARTRIDGE
- 10 TEST LINK
- 11 DOUBLE MICROSWITCH
- 12 HOSE ASSEMBLY
- 1100 DUCT NOZZLE (430913)
- 2W DUCT NOZZLE (419337)
- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
- 12N NOZZLE ASSEMBLY (419334)
- 3N NOZZLE ASSEMBLY (419338)
- 245 NOZZLE ASSEMBLY (419340)
- 230 NOZZLE ASSEMBLY (419339)
- 2120 NOZZLE ASSEMBLY (419343)
- 250 NOZZLE ASSEMBLY (419342)
- 260 NOZZLE ASSEMBLY (419341)
- 28 DETECTOR BRACKET
- 29 LOW TEMP FUSIBLE LINK
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- EGV ELECTRICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR



TYPICAL ANSUL R102 SYSTEM LAYOUT WITH REMOTE MOUNTED AUTOMAN

REVISIONS	
DESCRIPTION	DATE



RKTD - MK - Allen, TX
 ALLEN, TX, 75013

DATE: 05-19-2020
 DWG.#: 4328831
 DRAWN BY: BS-32
 SCALE: NTS
 MASTER DRAWING
 SHEET NO. 4

M. En. P. Engineers
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 Richardson, TX 75081
 972-697-3057
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Project
RADHA KRISHNA TEMPLE
 FOODSERVICE EQUIPMENT LAYOUT
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION
KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

M3.4

CUSTOMER APPROVAL TO MANUFACTURE:
 Approved as Noted
 Approved with NO Exception Taken
 Revise and Resubmit
 SIGNATURE _____
 Your Title _____ Date _____

VERIFY MAKE/MODEL OF ALL COOKING APPLIANCES BENEATH HOOD PRIOR TO FABRICATION. CHANGES TO COOKING EQUIPMENT SPECIFICATION MAY RESULT IN ADDITIONAL FIRE SUPPRESSION SYSTEM INSTALLATION CHARGES.

SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET / LINKAGE ASSEMBLY.

FIRE SUPPRESSION SYSTEM DETAILS

EXHAUST FAN INFORMATION - Job#4328831

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	MOTOR ENCL.	H.P.	B.H.P.	Ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1		EA-USB130BD-RM	6308	1.650	873	ODP,PREMIUM	5.000	3.3110	3	208	15.0	1475 FPM	986	25

MUA FAN INFORMATION - Job#4328831

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	MOTOR ENCL.	H.P.	B.H.P.	Ø	VOLT	FLA	MCA	MOCF	WEIGHT (LBS.)	SONES
2		EA2-D.250-G15	G15-PB	A2-D.250	2500	5063	0.500	1045	ODP,PREMIUM	5.000	3.4930	3	208	15.0	18.8A	30A	717	19.8

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTUs	OUTPUT BTUs	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY (%)
2		275433	253398	48 deg F	7 in. w.c. - 14 in. w.c.	Natural	92

FAN OPTIONS

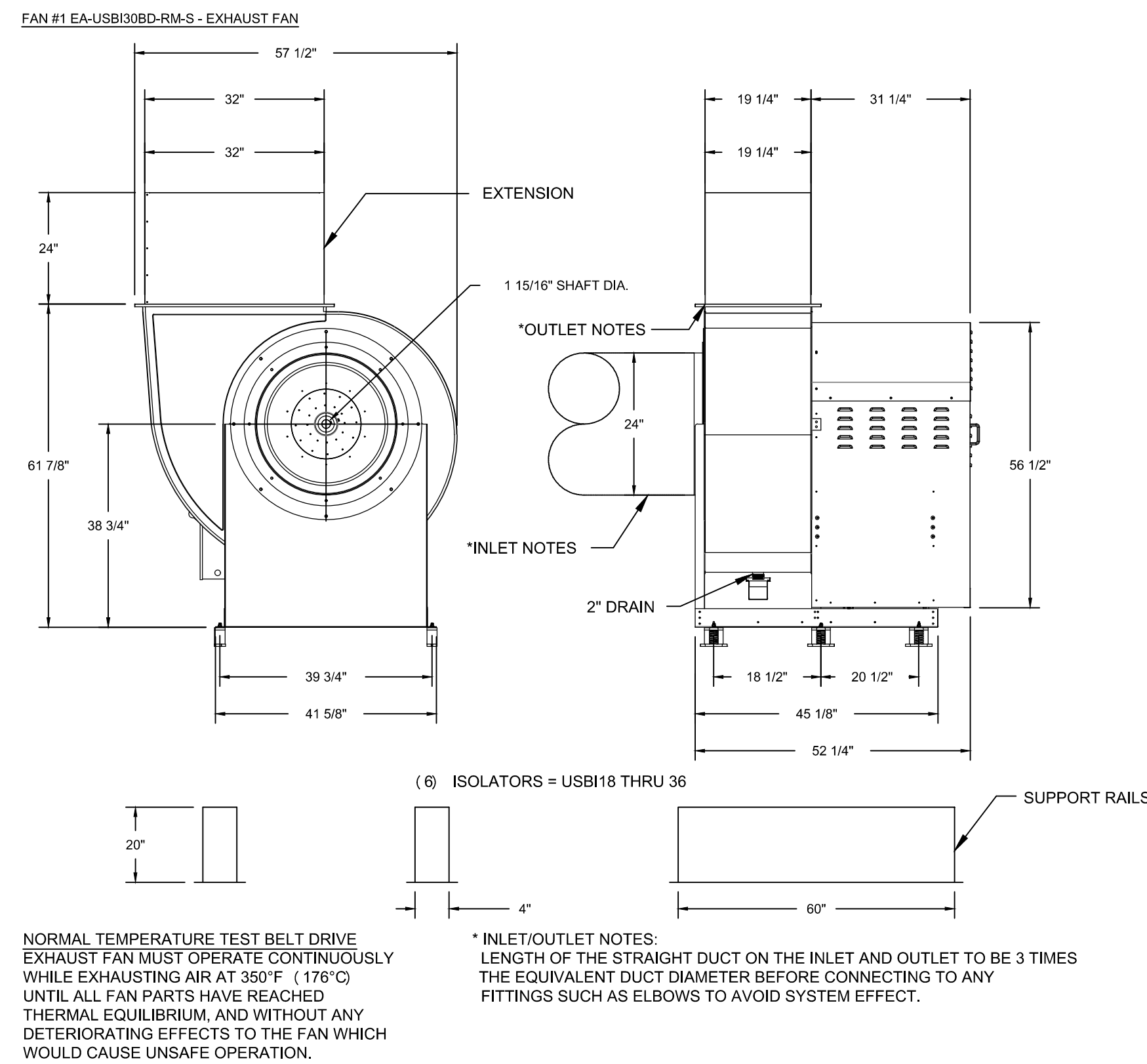
FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1		1 - BI30 - Inlet Service Duct Connection. Used to connect to standard 24" Grease Duct or Field Welded Duct. Includes (2) 7" risers bolted to standard inlet riser.
		1 - Utility Set Grease Cup
		1 - BI30 - 24" Discharge Extension.
		1 - BI - Discharge Orientation Vertical Upper Left - CW Inlet Side.
		1 - BI30 - Inlet Connection Standard 24" Flanged Grease Duct.
2		1 - Utility Set - Spring Vibration Isolators - BI24 Thru BI30 / Equivalent Sized Utility Set - Indoor/Outdoor use.
		1 - Motorized Backdraft Damper for A2-D Housing
		1 - Low Fire Start.
		1 - Inlet Pressure Gauge, 0-35"

FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST				SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT	
1		YES							
2						YES			

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	62 LBS	Rail	4.000"W x 60.000"L x 20.000"H Comes as a set of 2.
2	# 2	80 LBS	Curb	31.000"W x 79.000"L x 20.000"H Insulated



FEATURES:

- ROOF MOUNTED FANS
- UL705
- UL762 AND ULC-S645 (RESTAURANT MODEL)
- HIGH HEAT OPERATION DIRECT DRIVE 350°F (176°C)
- HIGH HEAT OPERATION BELT DRIVE 350°F (176°C)
- HEAT SLINGER
- WEATHERPROOF DISCONNECT
- GREASE CLASSIFICATION TESTING
- 2" DRAIN
- MOTOR WEATHER COVER
- FULLY SEALED SCROLL HOUSING
- SCROLL ACCESS DOOR
- FLANGE 1 1/4" - 11 THRU 20.
- FLANGE 2" - 24 THRU 36.

OPTIONS

- BI30 - INLET SERVICE DUCT CONNECTION. USED TO CONNECT TO STANDARD 24" GREASE DUCT OR FIELD WELDED DUCT. INCLUDES (2) 7" RISERS BOLTED TO STANDARD INLET RISER.
- UTILITY SET GREASE CUP
- BI30 - 24" DISCHARGE EXTENSION.
- BI - DISCHARGE ORIENTATION VERTICAL UPPER LEFT - CW INLET SIDE.
- BI30 - INLET CONNECTION STANDARD 24" FLANGED GREASE DUCT.
- UTILITY SET - SPRING VIBRATION ISOLATORS - BI24 THRU BI30 / EQUIVALENT SIZED UTILITY SET - INDOOR/OUTDOOR USE.

NORMAL TEMPERATURE TEST BELT DRIVE EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 350°F (176°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

* INLET/OUTLET NOTES:
LENGTH OF THE STRAIGHT DUCT ON THE INLET AND OUTLET TO BE 3 TIMES THE EQUIVALENT DUCT DIAMETER BEFORE CONNECTING TO ANY FITTINGS SUCH AS ELBOWS TO AVOID SYSTEM EFFECT.

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____ Date _____

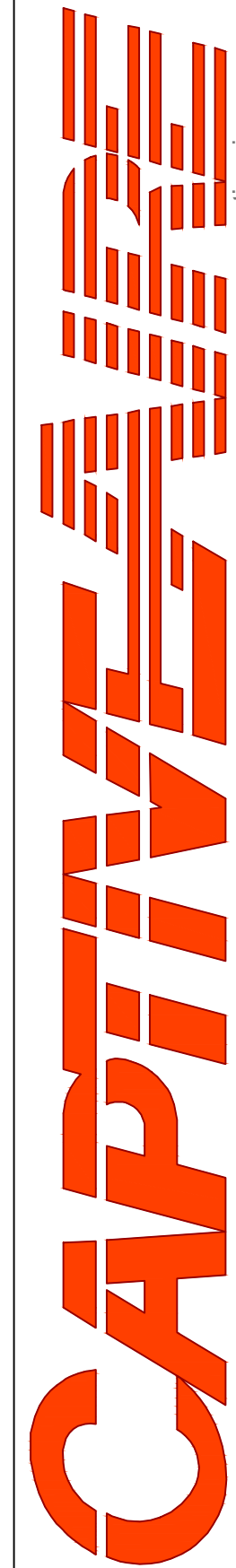
NOTES

DRAWING CONTAINS IMPORTANT INFORMATION FOR COORDINATION WITH M/E/P ENGINEER

KITCHEN FAN DETAILS

REVISIONS

DESCRIPTION	DATE



RKDT - MK - Allen, TX
ALLEN, TX, 75013

DATE: 05-19-2020

DWG.#: 4328831

DRAWN BY: BS-32

SCALE: NTS

MASTER DRAWING

SHEET NO. 5

M. En. P. Engineers
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Project

RADHA KRISHNA TEMPLE
FOODSERVICE EQUIPMENT LAYOUT
1450 N. WATERS ROAD
ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION

KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

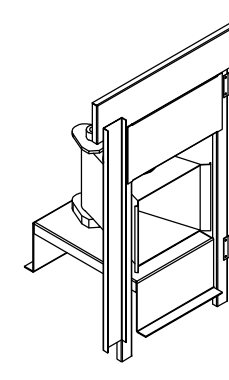
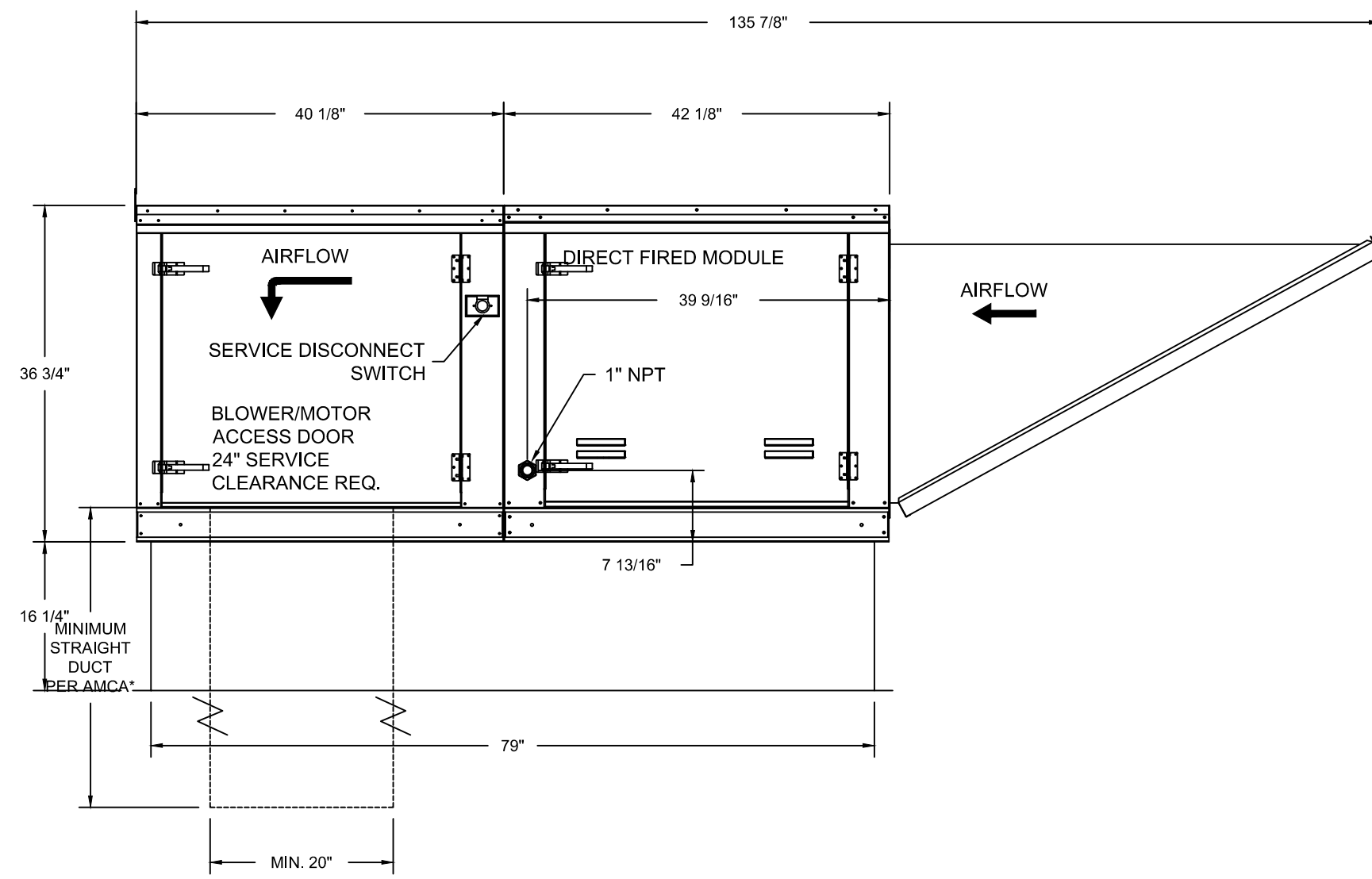
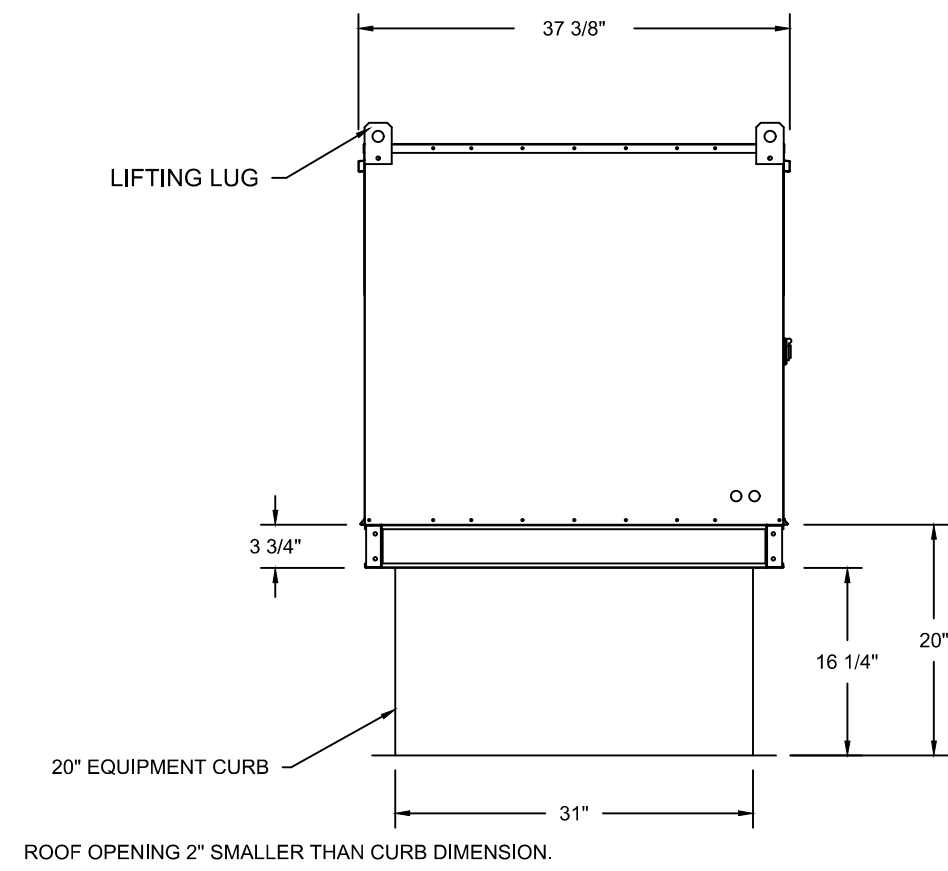
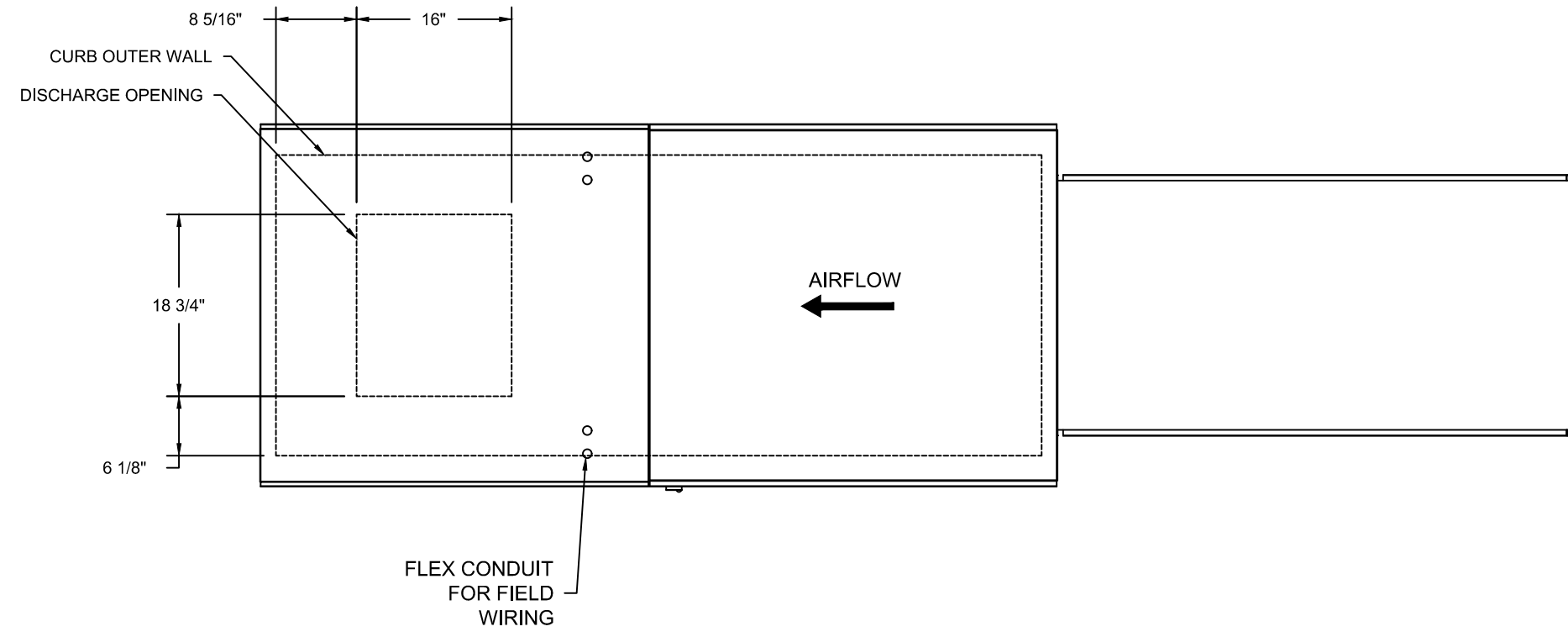
M3.5

- FAN #2 EA2-D-250-G15 - HEATER
- DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 15" BLOWER
 - INTAKE HOOD WITH EZ FILTERS
 - DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
 - MOTORIZED BACK DRAFT DAMPER 22.75" X 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, LF120S ACTUATOR INCLUDED
 - LOW FIRE START, ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
 - GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE
 - GAS PRESSURE GAUGE, -5 TO +15 INCHES WG., 2.5" DIAMETER, 1/4" THREAD SIZE
 - SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" X 20"

SUPPLY SIDE HEATER INFORMATION:

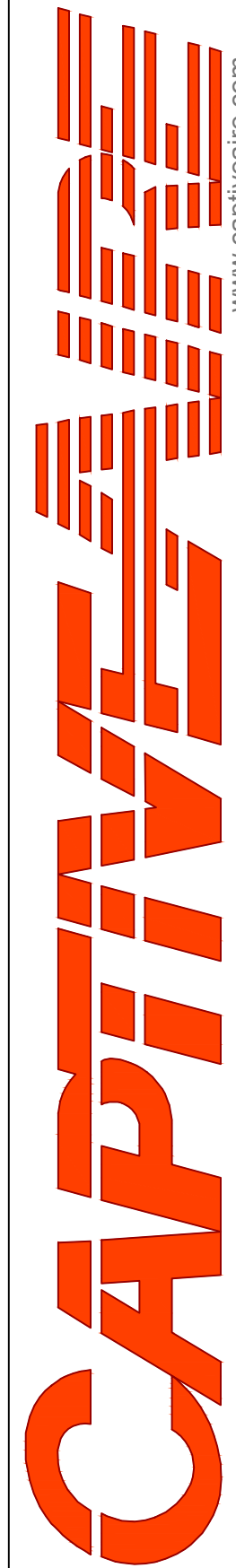
WINTER TEMPERATURE = 27°F. TEMP. RISE = 48°F.
 BTUs CALCULATED OFF ACTUAL AIR DENSITY
 OUTPUT BTUs AT ALTITUDE OF 0.0 ft. = 259632
 INPUT BTUs AT ALTITUDE OF 671 ft. = 253388
 INPUT BTUs AT ALTITUDE OF 671 ft. = 275433



Direct Fired (DF) Profile Plate Assembly

Direct Fired (DF) Profile Plate Specifications:
Description:
 Direct fired burners shall have patented (US Patent No.: US662952B2) self-inducting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve their contribution to limiting by-product levels to a maximum of 50ppm of carbon monoxide (CO) and 0.50ppm of nitrogen dioxide (NO2). Units shall be configured with the burner mounted downstream of the burner. This arrangement will ensure a consistent airflow, regardless of inlet air temperature.
Application:
 Spring-loaded burner profile plates are engineered to automatically react to the momentum of a fresh air stream, without the need for any motors or actuators to mechanically adjust them. With this feature, all DF units are designed for demand control ventilation (DCV) requirements.
Certification:
 All profile plate assemblies shall be included in the DF unit's ETL listing and comply with combined safety standards ANSI Z89.4 and CSA 3.7 (non-circulating DF heaters) and ANSI Z89.18 (circulating DF heaters).
General Construction:
 -Profile plates shall be formed from G90 galvanized steel.
 -Profile plates shall vary in size per unit.
 -Profile plates shall be mounted along the same plane as the discharge of the burner.
 -Design shall incorporate properly torqued, permanently mounted spring hinges.
 -Spring hinges shall be made from plate steel.

REVISIONS	
DESCRIPTION	DATE



www.captiveaire.com
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 2221 Kansas Ave, Silver Spring, MD, 20910 PHONE: (800) 988-0881 FAX: (919) 227-5831 EMAIL: reg32@comair.com

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Project

FOODSERVICE EQUIPMENT LAYOUT
RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION
KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

M3.6

RKDT - MK - Allen, TX
 ALLEN, TX, 75013

DATE: 05-19-2020

DWG.#:
 4328831

DRAWN BY: BS-32
 SCALE: NTS

MASTER DRAWING

SHEET NO.
 6

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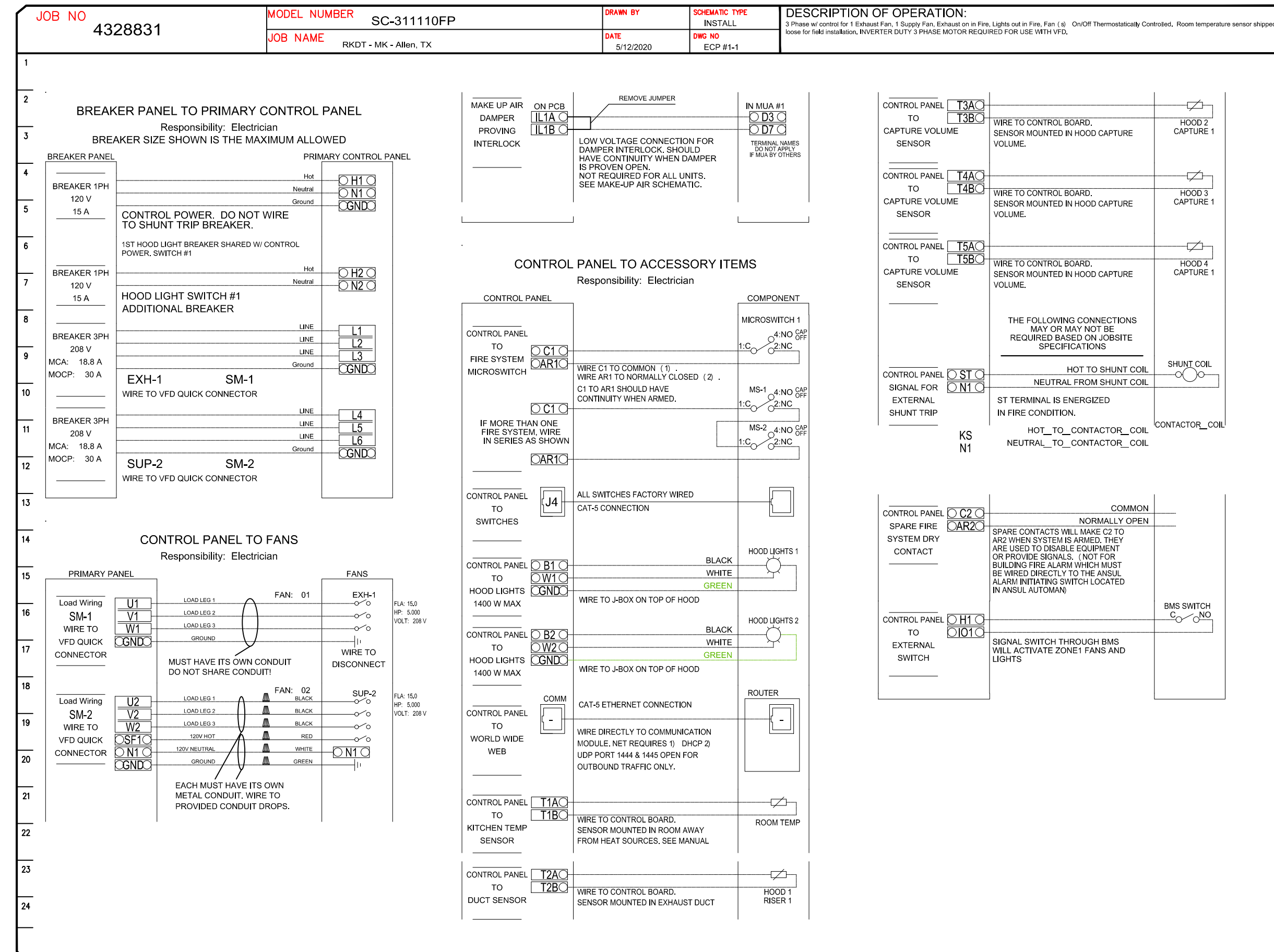
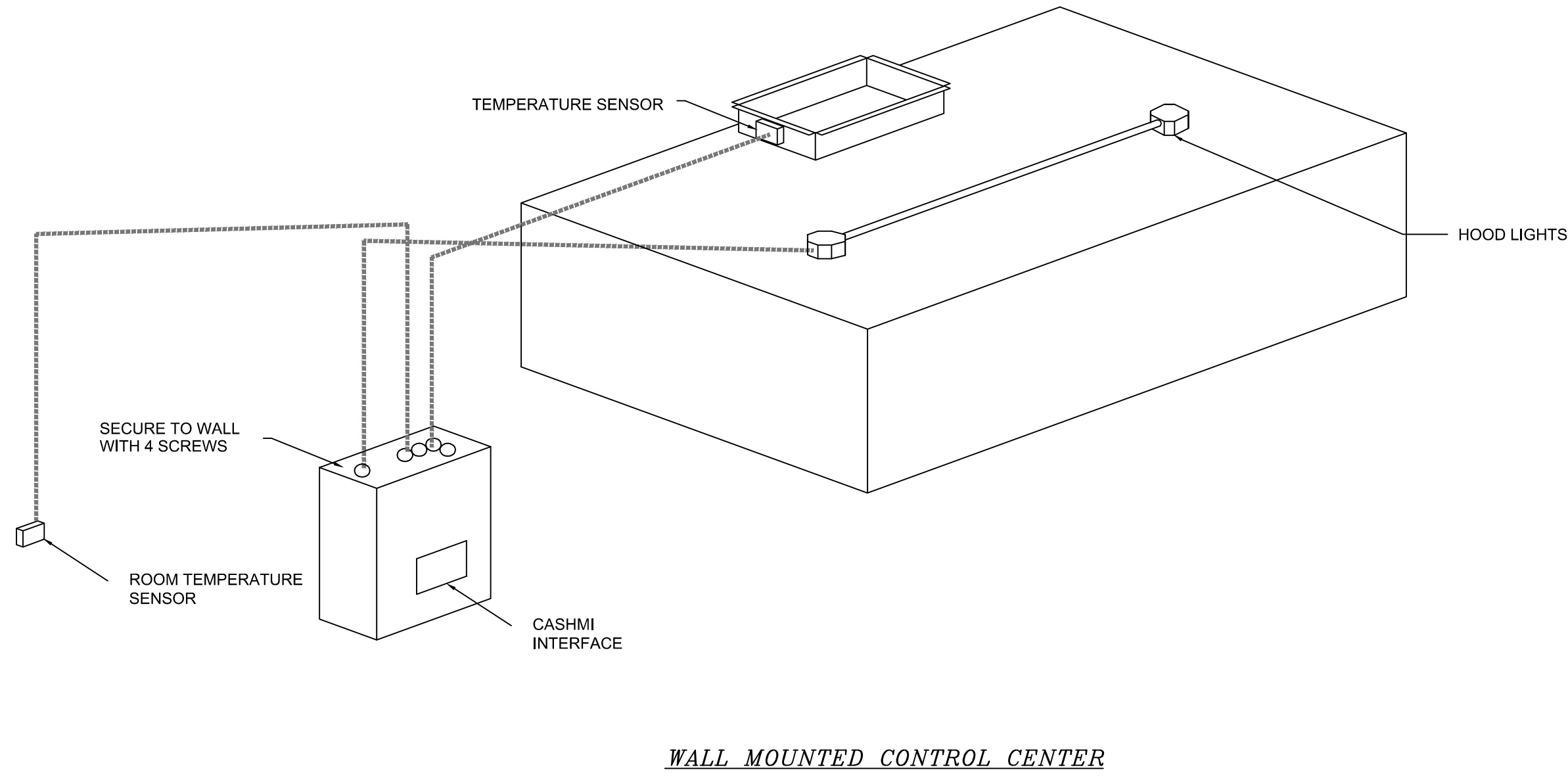
www.captiveaire.com
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RKDT - MK - Allen, TX
ALLEN, TX, 75013

DATE: 05-19-2020
DWG.#: 4328831
DRAWN BY: BS-32
SCALE: NTS
MASTER DRAWING
SHEET NO. 7

ELECTRICAL PACKAGE - Job#4328831

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	#	H.P.	VOLT	FLA.
1		SC-311110FP	Wall Mount In SS Box	05 - SS Wall Mount Box	1 Light	Smart Controls Thermostatic Control	Exhaust	3	5,000	208	15.0
					1 Fan		Supply	3	5,000	208	15.0



SEQUENCE OF OPERATION - HOOD CONTROLS
ELECTRICAL PACKAGE: DCV SERIES

Once all power, light and temperature sensor circuits are properly landed on the control terminal block the LCD interface will be illuminated. All temperature readings are measured by resistive temperature sensors (thermistors) installed in each hood exhaust riser. One room temperature sensor is installed in the space to measure ambient air temperature.

Two methods to activate system:

Manual activation:

- Operator presses the fan button to engage the exhaust fan(s) and the exhaust fan(s) begin operation in low-CFM Prep Mode. Dedicated make-up air units (if applicable) for the hood remain off in Prep Mode.
- Operator turns on the cooking appliances. Once the exhaust air temperature reaches 10 degrees (F) above ambient temperature in the space, the exhaust system will ramp up to a preset minimum speed (low-volume cooking conditions). Makeup air fan will power on at this point (also at minimum speed).
- As the temperature of the exhaust air increases, the exhaust and make-up air fan speeds increase proportionally. The fans will modulate between preset low-speed and high-speed exhaust levels, dependant upon on the exhaust air temperature (cooking load).
- At any point, operator may engage the 100% override option on the touch screen and run the fans at full speed for a fixed period of time (adjustable). After this period, fan modulation based on temperature will resume.

DEMAND CONTROL VENTILATION SYSTEM NOTE
FAN(S) TO BE CONTROLLED BY A MODULATING ENERGY MANAGEMENT SYSTEM. PRE-WIRED VARIABLE FREQUENCY DRIVES (VFD) ARE INCLUDED IN THE MANUFACTURER'S CONTROL PACKAGE. FAN MOTORS MUST BE INVERTER-DUTY AND COMPATIBLE WITH A VARIABLE AIR VOLUME APPLICATION.

NOTE TO ELECTRICAL CONTRACTOR
CAPTIVEAIRE HOOD CONTROL PACKAGE IS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR AND SHOWN ON ELECTRICAL DRAWINGS FOR COORDINATION PURPOSES ONLY. ALL FIELD WIRING AND INTERLOCKS TO BE COMPLETED BY ELECTRICAL CONTRACTOR. CONTACT CAPTIVEAIRE WITH QUESTIONS REGARDING SCOPE OF WORK: (800) 988-0881

HOOD CONTROL DETAILS

FOODSERVICE EQUIPMENT LAYOUT

RADHA KRISHNA TEMPLE

1450 N. WATERS ROAD
ALLEN, TX 75013

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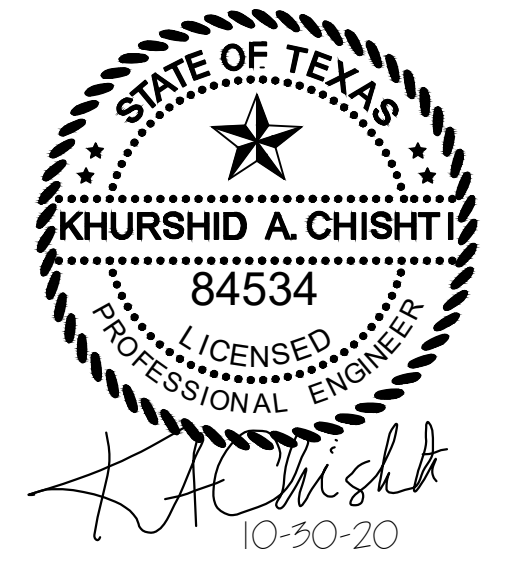
SHEET DESCRIPTION

KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

M3.7

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Project

RADHA KRISHNA TEMPLE
FOODSERVICE EQUIPMENT LAYOUT
1450 N. WATERS ROAD
ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

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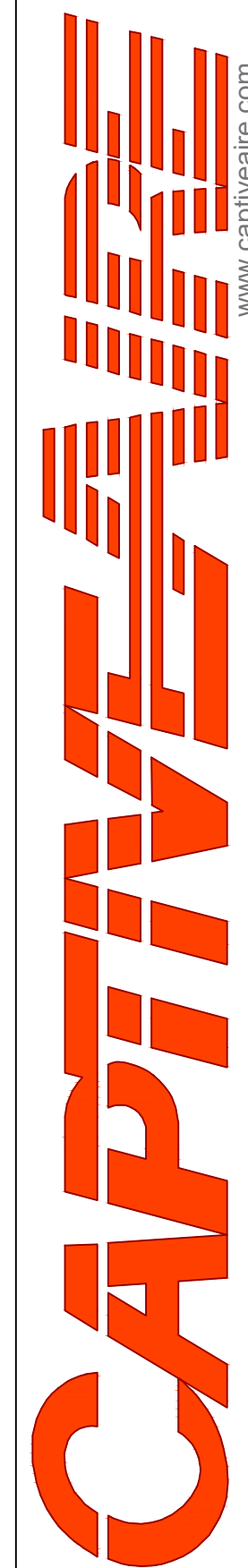
SHEET DESCRIPTION

KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

M3.8

REVISIONS	
DESCRIPTION	DATE



RKDT - MK - Allen, TX
ALLEN, TX, 75013

DATE: 05-19-2020

DWG.#: 4328831

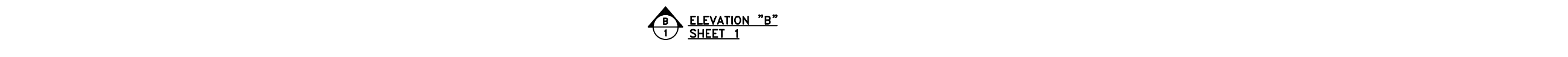
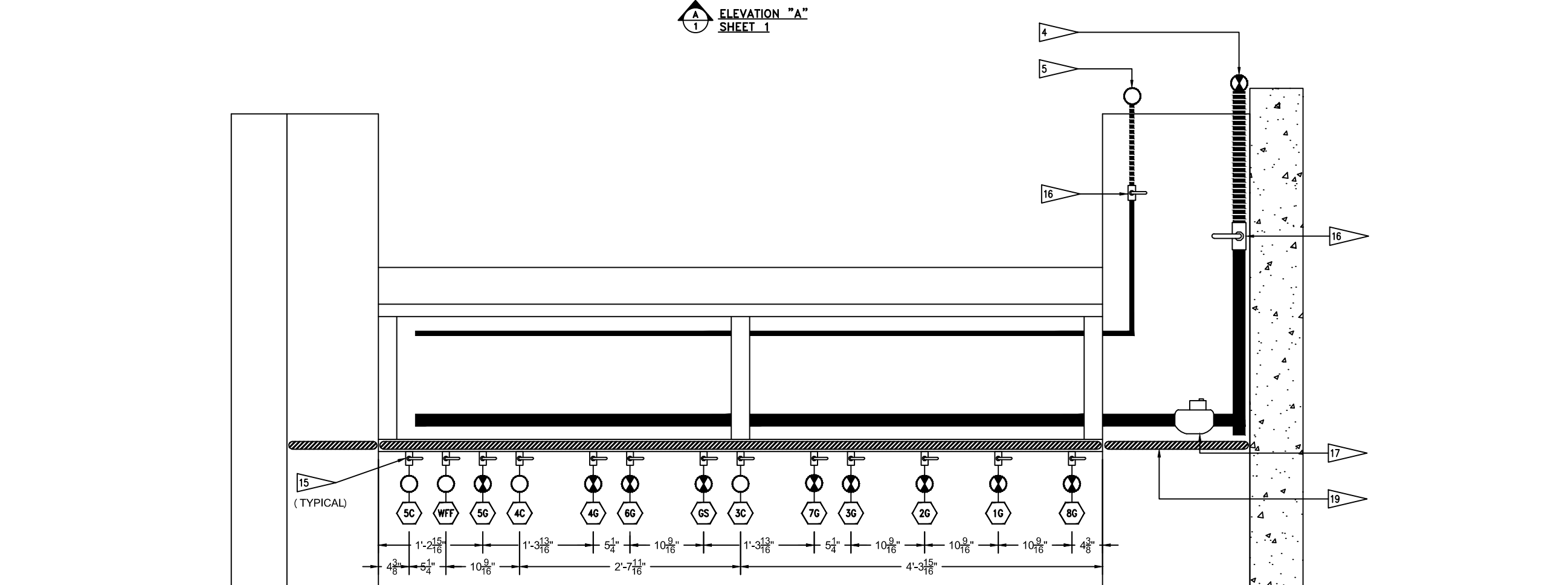
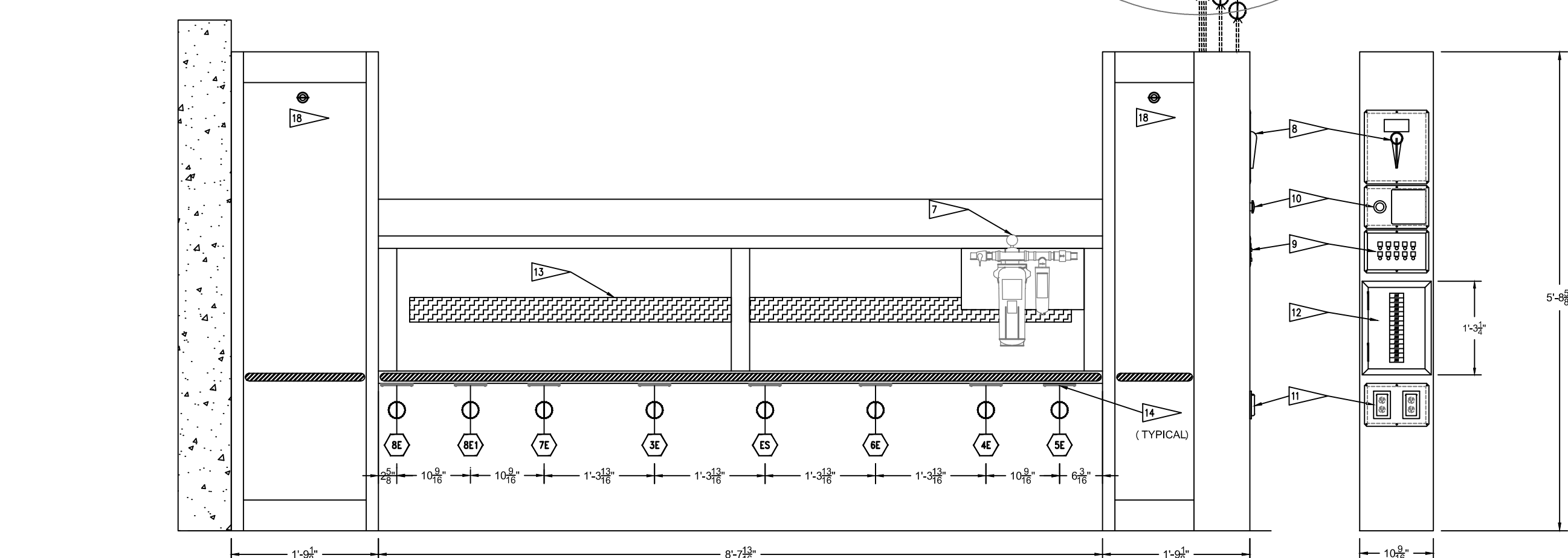
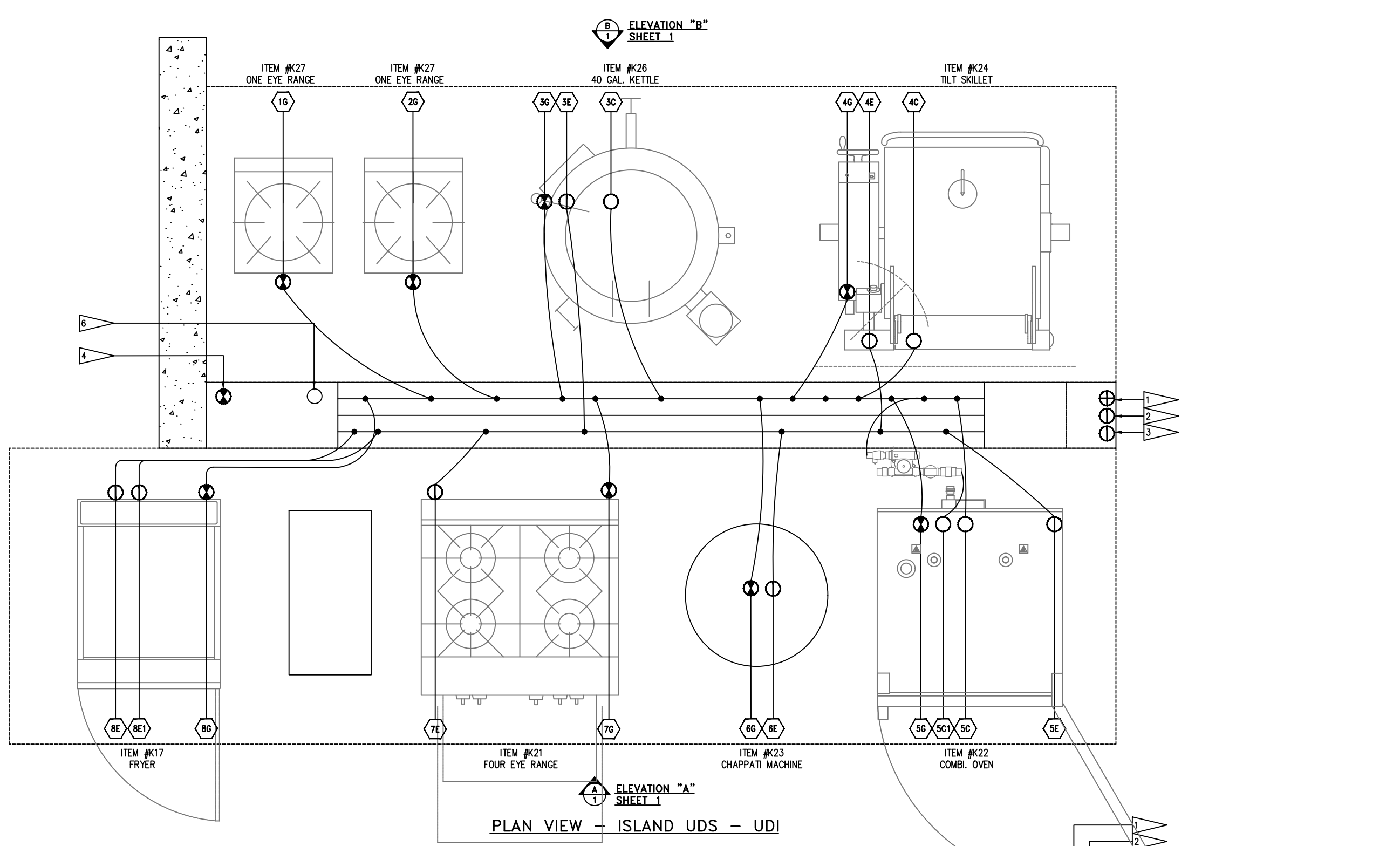
DRAWN BY: BS-32

SCALE: NTS

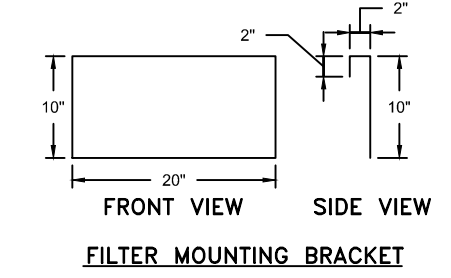
MASTER DRAWING

SHEET NO. 8

UTILITY DISTRIBUTION SYSTEM EQUIPMENT SCHEDULE																					
CONN.#	ITEM	DESCRIPTION	MANUFACTURER	MODEL #	ELECTRICAL				CIRCUIT BREAKER		RECEPTACLE		GAS		WATER		STEAM		CONNECTION TYPE	LENGTH	NOTES
					KW.	AMPS	HP	VOLT	PH	AMPS	POLES	PART #	SIZE	MBH	HOT	COLD	SUPPLY	COLD RETURN			
1G	K27	ONE EYE RANGE	TURBO AIR	TASP-185	-	-	-	-	-	-	-	3/4"	79	-	-	-	-	QUICK DISCONNECT	5'	-	
2G	K27	ONE EYE RANGE	TURBO AIR	TASP-185	-	-	-	-	-	-	-	3/4"	79	-	-	-	-	QUICK DISCONNECT	5'	-	
3E	K26	40 GAL KETTLE	GROEN	AH/1E-40	0.2	2.0	-	120	1	20	1	DR20	-	-	-	-	-	SUPPLIED	-	GFI BREAKER	
3G	K26	40 GAL KETTLE	GROEN	AH/1E-40	-	-	-	-	-	-	-	1/2"	100	-	-	-	-	QUICK DISCONNECT	5'	-	
4E	K24	TILT SKILLET	GROEN	BPM-30GC	0.6	5.0	-	120	1	20	1	DR20	-	-	-	-	-	SUPPLIED	-	GFI BREAKER	
4G	K24	TILT SKILLET	GROEN	BPM-30GC	-	-	-	-	-	-	-	1/2"	104	-	-	-	-	QUICK DISCONNECT	5'	-	
5E	K22	COMBI. OVEN	UNOX	XAVC-06FS-GPL	1.0	8.3	-	120	1	20	1	DR20	-	-	-	-	-	SUPPLIED	-	GFI BREAKER	
5G	K22	COMBI. OVEN	UNOX	XAVC-06FS-GPL	-	-	-	-	-	-	-	3/4"	82	-	-	-	-	QUICK DISCONNECT	5'	-	
5C	K22	COMBI. OVEN	UNOX	XAVC-06FS-GPL	-	-	-	-	-	-	-	-	-	-	3/4"	-	-	QUICK DISCONNECT	5'	-	
5C1	K22	COMBI. OVEN	UNOX	XAVC-06FS-GPL	-	-	-	-	-	-	-	-	-	-	3/4"	-	-	QUICK DISCONNECT	5'	FILTERED	
6E	K23	CHAPPATI MACHINE	X-PRESS	MODEL 88	1.8	15.0	-	120	1	20	1	DR20	-	-	-	-	-	CORD & PLUG	6'	GFI BREAKER	
6G	K23	CHAPPATI MACHINE	X-PRESS	MODEL 88	-	-	-	-	-	-	-	3/4"	60	-	-	-	-	QUICK DISCONNECT	5'	-	
7E	K21	FOUR EYE RANGE	SOUTHBEND	P36D-XX	0.7	5.9	-	120	1	20	1	DR20	-	-	-	-	-	SUPPLIED	-	GFI BREAKER	
7G	K21	FOUR EYE RANGE	SOUTHBEND	P36D-XX	-	-	-	-	-	-	-	1-1/4"	255	-	-	-	-	QUICK DISCONNECT	5'	-	
8E	K17	FRYER	PITCO	FBG24	0.1	0.7	-	120	1	20	1	DR20	-	-	-	-	-	SUPPLIED	-	GFI BREAKER	
8G	K17	FRYER	PITCO	FBG24	-	-	-	-	-	-	-	3/4"	120	-	-	-	-	QUICK DISCONNECT	5'	-	
8G1	K17	FRYER	PITCO	FBG24	0.1	6.1	-	120	1	20	1	DR20	-	-	-	-	-	SUPPLIED	-	GFI BREAKER	
GS	-	GAS SPARE	-	-	-	-	-	-	-	-	-	1-1/4"	-	-	-	-	-	BALL VALVE	-	-	
ES	-	ELECTRICAL SPARE	-	-	-	-	-	120	1	20	-	DR20	-	-	-	-	-	FACTORY	-	GFI BREAKER	
CWS1	-	COLD WATER SPARE	-	-	-	-	-	-	-	-	-	-	-	-	1/2"	-	-	BALL VALVE	-	-	
CWS2	-	COLD WATER SPARE	-	-	-	-	-	-	-	-	-	-	-	-	1/2"	-	-	BALL VALVE	-	-	
D1	-	DUPLEX OUTLET	-	-	-	-	-	120	1	20	1	DR20	-	-	-	-	-	FACTORY	-	GFI BREAKER	
D2	-	DUPLEX OUTLET	-	-	-	-	-	120	1	20	1	DR20	-	-	-	-	-	FACTORY	-	GFI BREAKER	
TOTAL CONNECTED LOAD:					4.5	KW.	14.3	AMP	0.0	KW.	0.0	AMP	879	MBH	H.W.	-	-	-	STEAM SUPPLY	-	-
FUTURE AVAILABLE LOAD CAPACITY:					10.0	KW.	25.7	AMP	0.0	KW.	0.0	AMP	871	MBH	-	-	-	-	-	-	-
SYSTEM CAPACITY:					14.5	KW.	40.0	AMP	0.0	KW.	0.0	AMP	1700	MBH	C.W.	-	-	-	COND. RETURN	-	-
SERVICE SIZE:					120/208 V/ 3 PH/50AMP				V/ PH/AMP			2" IPS		3/4"							



----NOTE----
NEC REQUIRES 36"
OF FIELD CLEARANCE
IN FRONT OF CIRCUIT
BREAKERS FOR ACCESS



SCALE: NONE
NOTE: BRACKET TO BE MADE OF 304 STAINLESS STEEL.

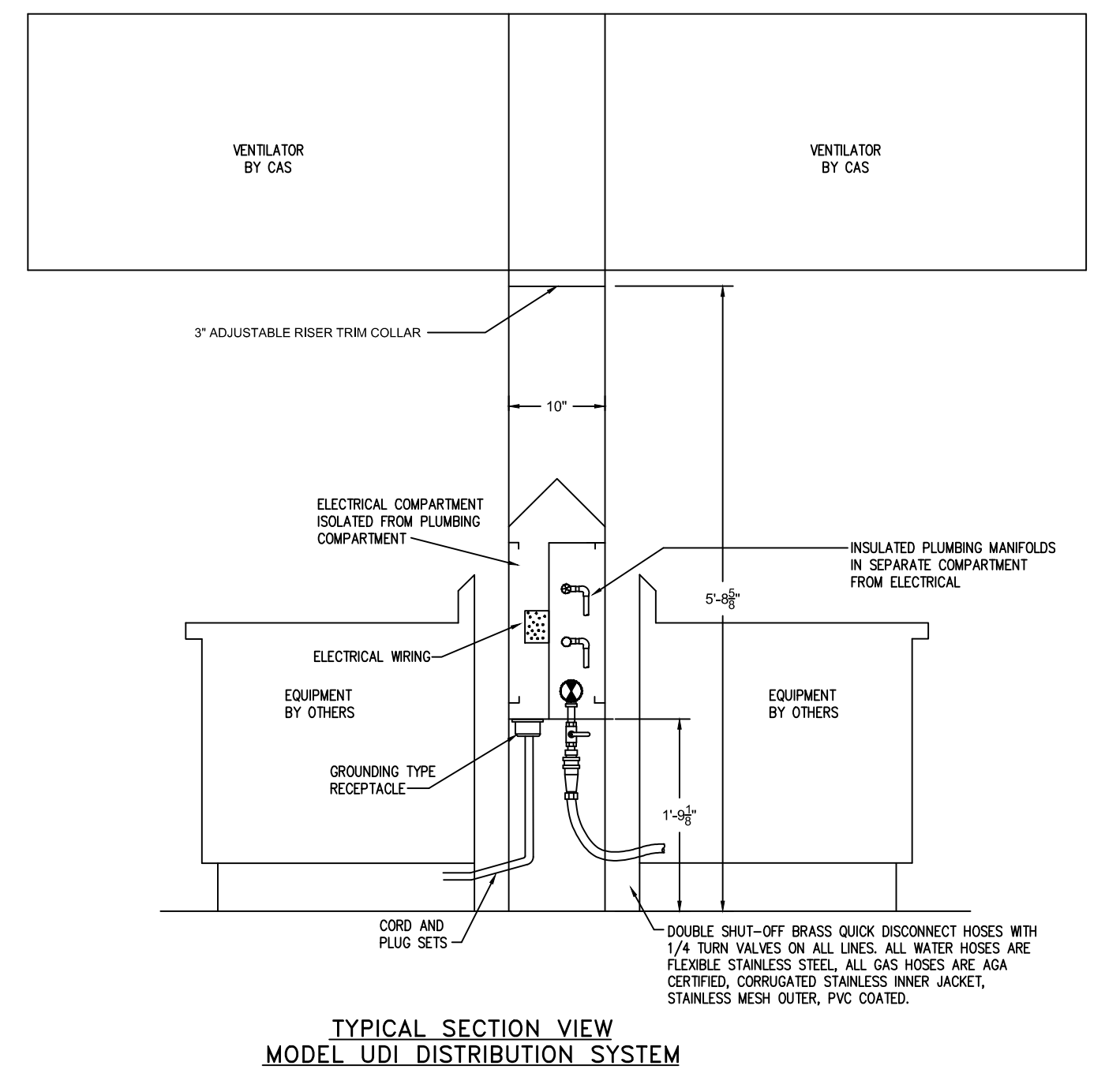
SYMBOL SCHEDULE	
○	COLD WATER
⊕	HOT WATER
⊙	NATURAL GAS
⊚	PROPANE
⊖	120 VAC 1 PHASE
⊖	208 VAC 1 PHASE
⊖	208 VAC 3 PHASE
⊖	480 VAC 3 PHASE
⊖	STEAM SUPPLY
⊖	STEAM CONDENSATE RETURN

UDS CONSTRUCTION TO BE
16 GA., TYPE 304 STAINLESS STEEL

UTILITY DISTRIBUTION SYSTEM MODEL UDI
IS LISTED UNDER ETL FILE NUMBER 3054803
CONFORMS TO UL STD 891
CERTIFIED TO CAN/CSA C22.2 No. 31-M89

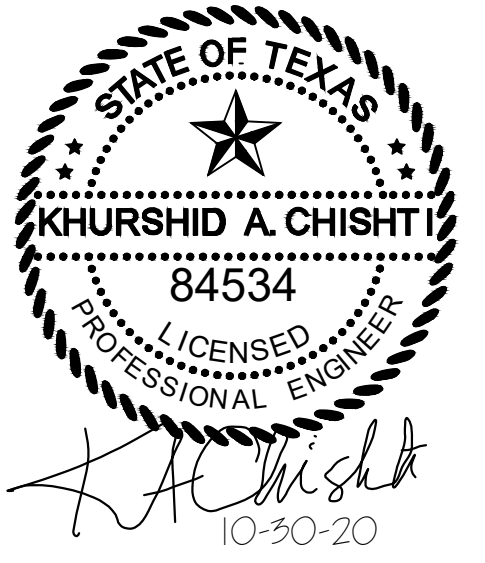
PRIOR TO SCHEDULING UDS FOR PRODUCTION
PLEASE PROVIDE APPROVED SUBMITTAL CUTSHEETS
ON FINAL KITCHEN EQUIPMENT ASSOCIATED WITH
THE UDS (NEW & USED) SO THAT CONNECTION
SIZES, TYPES AND LOCATIONS CAN BE VERIFIED

ANY CHANGES TO SUBMITTAL DRAWING
MAY AFFECT PRICE AND PRODUCTION TIME
PLEASE FORWARD CHANGES ASAP

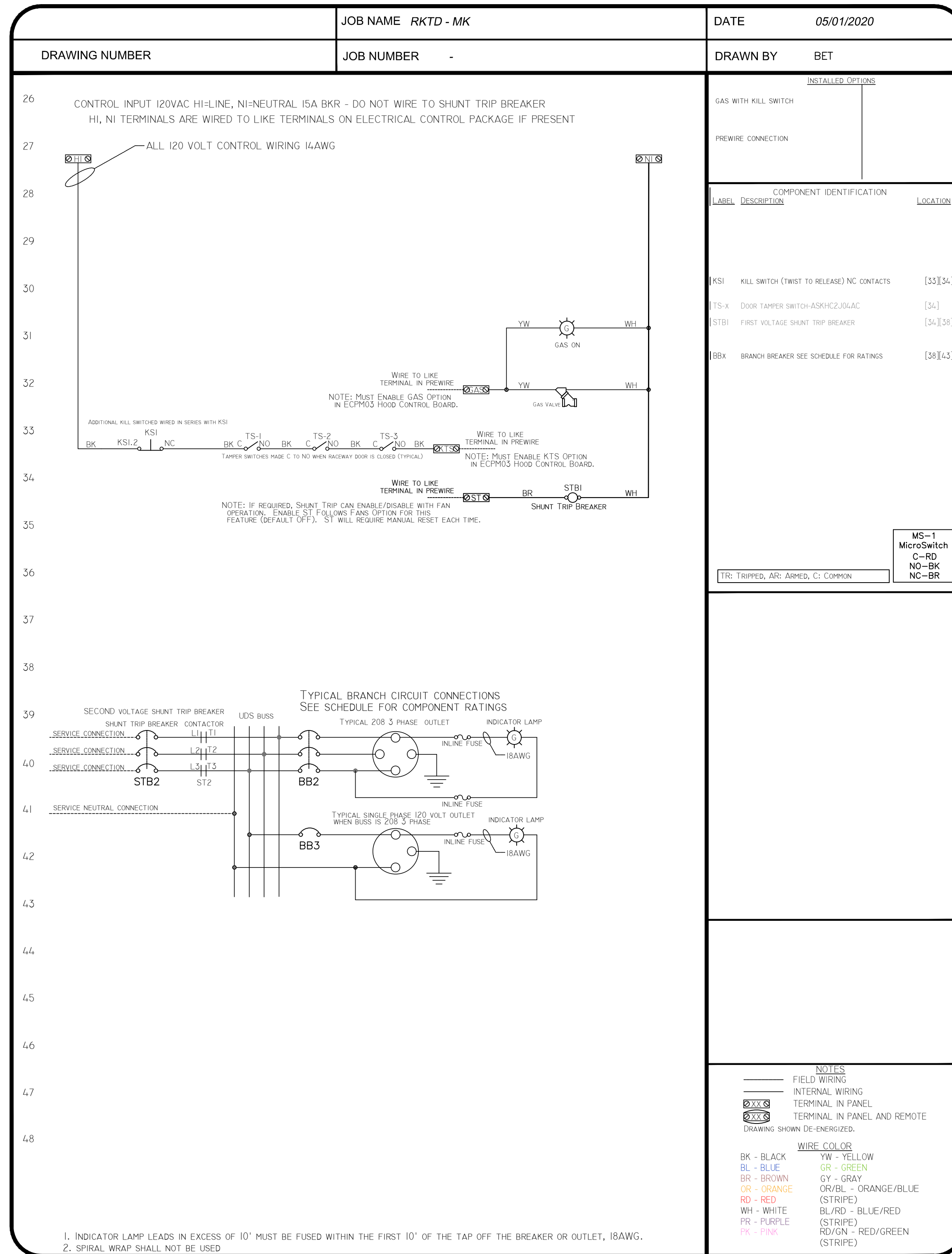
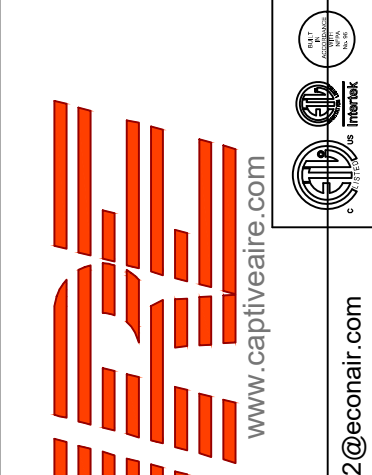


- FLAG NOTES**
- 1. ELECTRICAL SERVICE FROM ABOVE, SEE SCHEDULE FOR DETAILS, PROVIDED BY ELECTRICAL CONTRACTOR.
 - 2. 120V/1PH/1SA DEDICATED ELECTRICAL CIRCUIT INTO UDS TERMINALS "H1, N1" FOR FUEL/SHUNT CONTROL. (PROVIDED BY ELECTRICAL CONTRACTOR) - SEE SHEET 2.
 - 3. 3-WIRE ELECTRICAL CIRCUIT FROM HOOD CONTROL PACKAGE TERMINALS "GAS, ST & KTS" TO UDS LIKE TERMINALS "GAS, ST & KTS" FOR UDS SHUT DOWN IN A FIRE CONDITION. (PROVIDED BY ELECTRICAL CONTRACTOR) - SEE SHEET 2.
 - 4. SINGLE GAS SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE. (PROVIDED BY PLUMBING CONTRACTOR)
 - 5. COLD WATER SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE. (PROVIDED BY PLUMBING CONTRACTOR)
 - 6. HOT WATER SERVICE FROM ABOVE, SEE SCHEDULE FOR SERVICE SIZE. (PROVIDED BY PLUMBING CONTRACTOR)
 - 7. ONE (1) 3M WATER FILTER SF-265 WITH BRACKET.
 - 8. SERVICE MAIN BREAKER W/SHUNT TRIP AND RESET HANDLE, SEE SCHEDULE FOR DETAILS.
 - 9. STATUS INDICATOR LIGHTS.
 - 10. EMERGENCY KILL SWITCH.
 - 11. DCO RECEPTACLE W/ BREAKER & WEATHERPROOF COVER.
 - 12. ELECTRICAL LOAD CENTER WITH INDIVIDUAL CIRCUIT BREAKERS.
 - 13. ELECTRICAL WIRING TO APPLIANCES.
 - 14. ELECTRICAL CONNECTION W/WEATHERPROOF COVER AS SPECIFIED ON THE EQUIPMENT SCHEDULE, SEE THIS SHEET.
 - 15. PLUMBING CONNECTION AS SPECIFIED ON THE EQUIPMENT SCHEDULE, SEE THIS SHEET.
 - 16. MANUAL SHUT OFF VALVE.
 - 17. 120V ELECTRICAL GAS VALVE.
 - 18. REMOVABLE ACCESS DOORS.
 - 19. NEOPRENE BUMPER GAULD.

M. En. P. Engineers
Reg.#12249
124 N. Spring Dr. ,
Richardson, TX 75081
972-697-3057
KChishti@aol.com



REVISIONS	
DESCRIPTION	DATE



RKTD - MK - Allen, TX
ALLEN, TX, 75013

DATE: 05-19-2020
DWG.#: 4328831
DRAWN BY: BS-32
SCALE: NTS
MASTER DRAWING

SHEET NO.
9

Project

FOODSERVICE EQUIPMENT LAYOUT
RADHA KRISHNA TEMPLE
1450 N. WATERS ROAD
ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

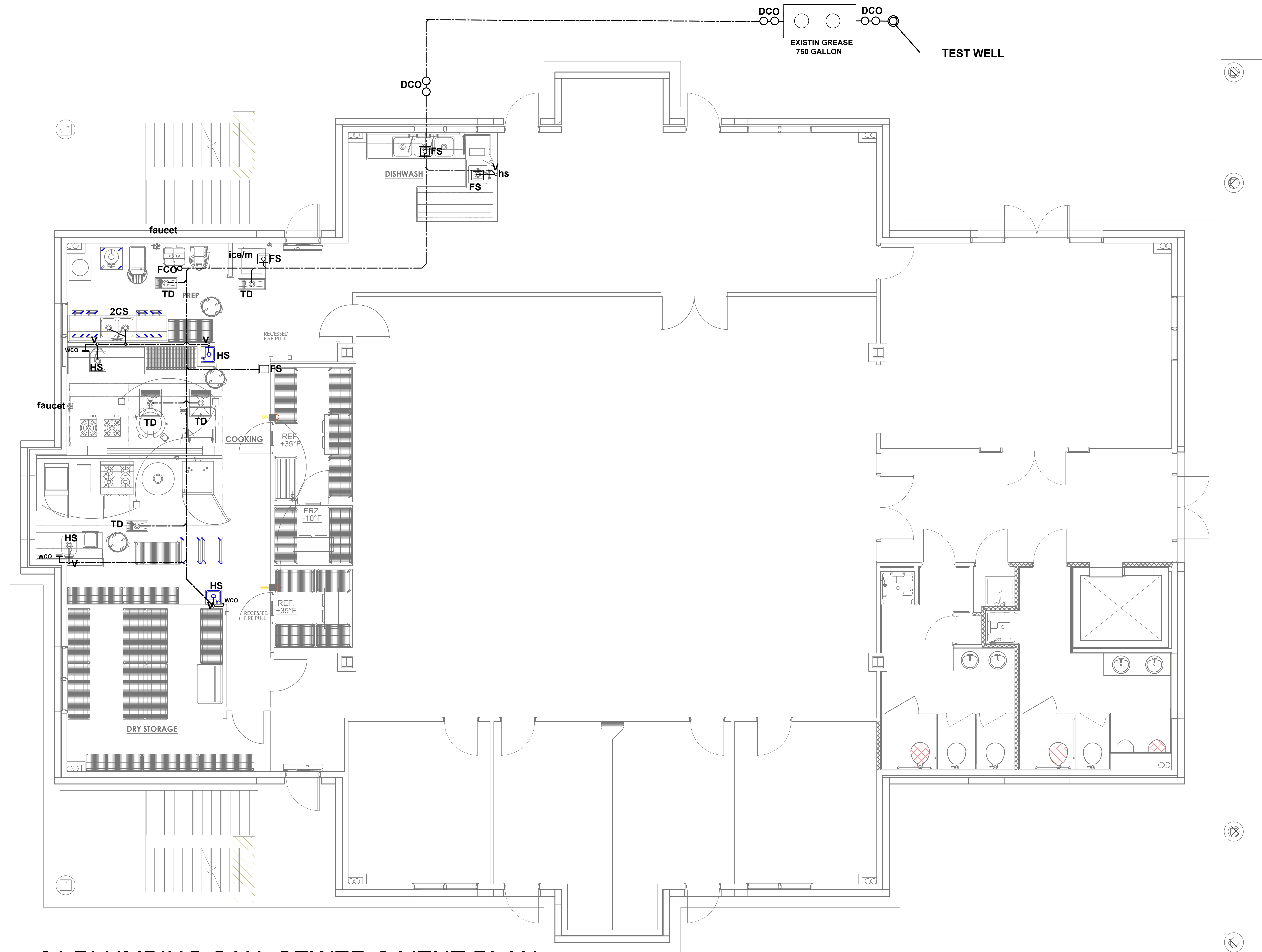
PROJECT NUMBER CM170123
SCALE
DRAWN TCG

DATE 06/05/2020
SHEET DESCRIPTION

KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

M3.9



M. En. P. Engineers
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 Richardson, TX 75081
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Project

RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION

**PLUMBING SAN.
 SEWER & VENT
 PLAN**

SHEET NUMBER

P1.0

01 PLUMBING SAN. SEWER & VENT PLAN
 SCALE: 1/4" = 1'-0"

PLUMBING NOTES:

1. THE DOMESTIC WATER PIPES OUTSIDE THE BUILDING SHALL BE SCHEDULE 40 PVC.
2. DOMESTIC WATER PIPING INSIDE THE BUILDING SHALL BE TYPE "L" COPPER TUBE. USE LEAD FREE SOLDER. INSTALL ALL PIPING ABOVE THE CEILING. CROSS LINKED POLYETHYLENE (PEX) PLASTIC TUBING CONFORMING TO ASTM F 876, ASTM F 877 MAY BE USED, UNLESS PROHIBITED BY CITY CODES.
3. SANITARY SEWER PIPES AND VENTS SHALL BE SCHEDULE 40 PVC CONFORMING TO ASTM D2665. ASTM F891; ASTM F1488'
4. SANITARY SEWER PIPES 2-1/2" AND SMALLER SHALL BE INSTALLED WITH A MINIMUM OF 1/4" PER FOOT. 3" TO 6" PIPES SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM.
5. PROVIDE FOR EXPANSION IN ALL PIPING.
6. PROVIDE PROPER HANGERS AND SUPPORTS FOR ALL PIPING.
7. PROVIDE ISOLATION VALVES AT EACH PIECE OF EQUIPMENT AND FIXTURES.

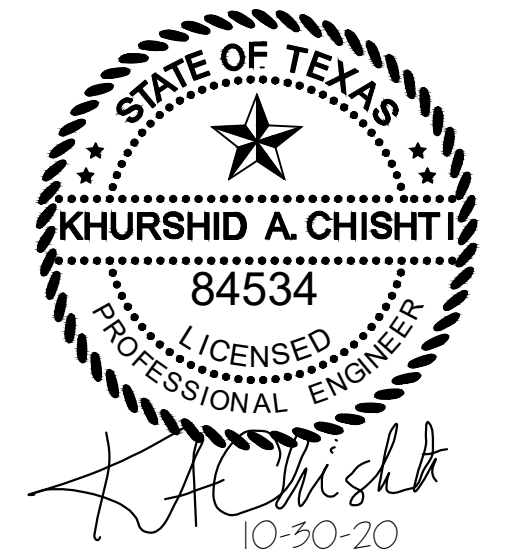
PLUMBING PIPE SIZES

DESIGNATION	FIXTURE	HW	CW	VENT SIZE	WASTE SIZE
W.C	WATER CLOSET	-	1"	2"	3"
LAV	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"
FD	FLOOR DRAIN	-	-	2"	3"
HS	HAND SINK	1/2"	1/2"	1 1/2"	2"
MS	MOP SINK	1/2"	1/2"	1 1/2"	2"

WATER HEATER

DESIGNATION	QUANTITY	TYPE	VOLTAGE	RATING	RECOVERY RATE GPH (50 DEG RISE)	DIMENSIONS WXHxD	MAKE AND MODEL
WH-1,	1	GAS TANKLESS	110/1Ø	199KBTU	460	18.3"X26X10"	RINNAI RU98i

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Project

FOODSERVICE EQUIPMENT LAYOUT

RADHA KRISHNA TEMPLE
1450 N. WATERS ROAD
ALLEN, TX 75013

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION

**PLUMBING NOTES
& SCHEDULE**

SHEET NUMBER

P2.0

M. En. P. Engineers
 Reg.#12249
 124 N. Spring Dr. ,
 Richardson, TX 75081
 972-697-3057
 KChishti@aol.com



Project

RADHA KRISHNA TEMPLE

1450 N. WATERS ROAD
 ALLEN, TX 75013

FOODSERVICE EQUIPMENT LAYOUT

ISSUE	DATE	DESCRIPTION

PROJECT NUMBER CM170123

SCALE

DRAWN TCG

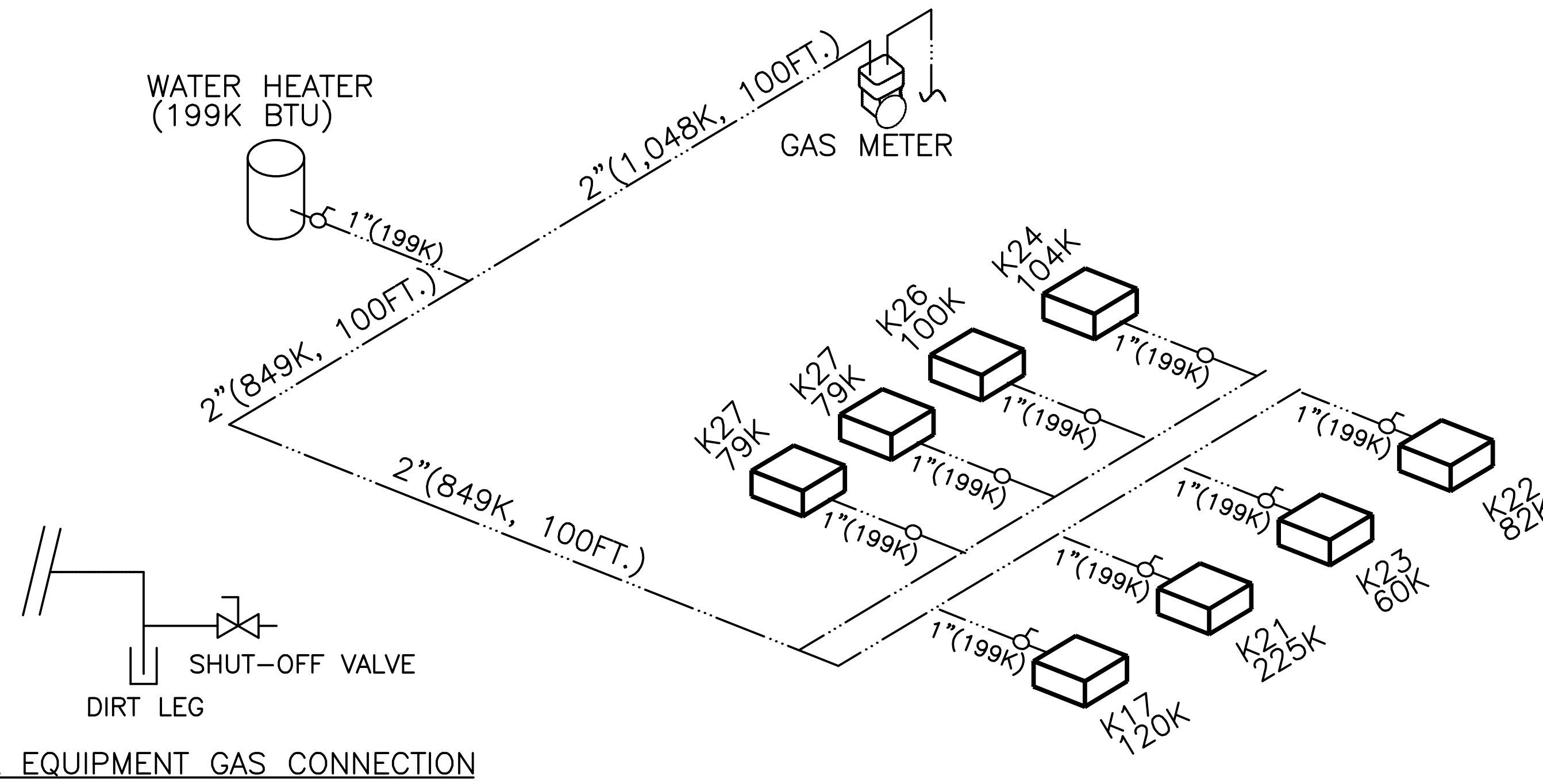
DATE 06/05/2020

SHEET DESCRIPTION

PLUMBING RISERS

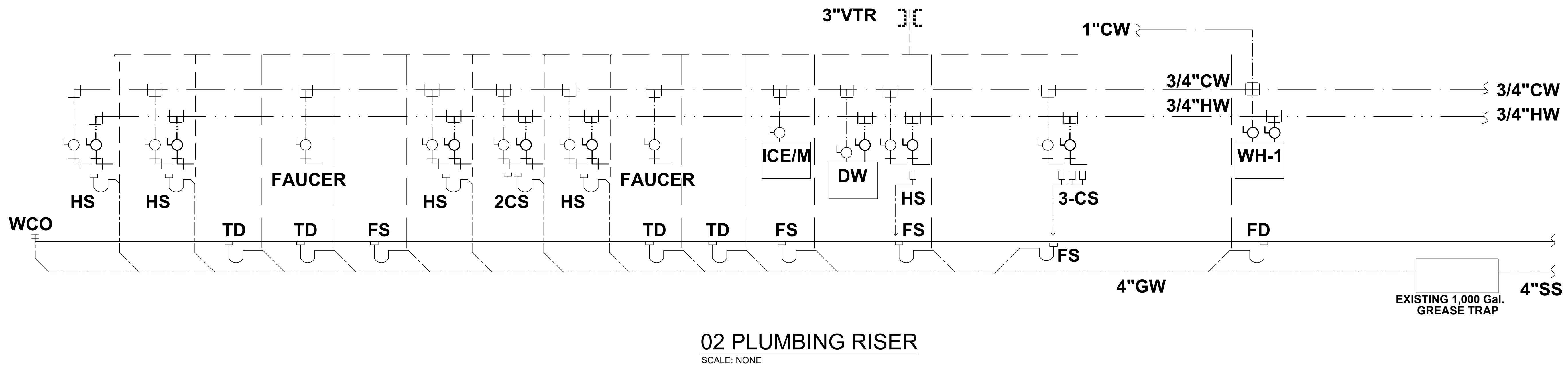
SHEET NUMBER

P3.0



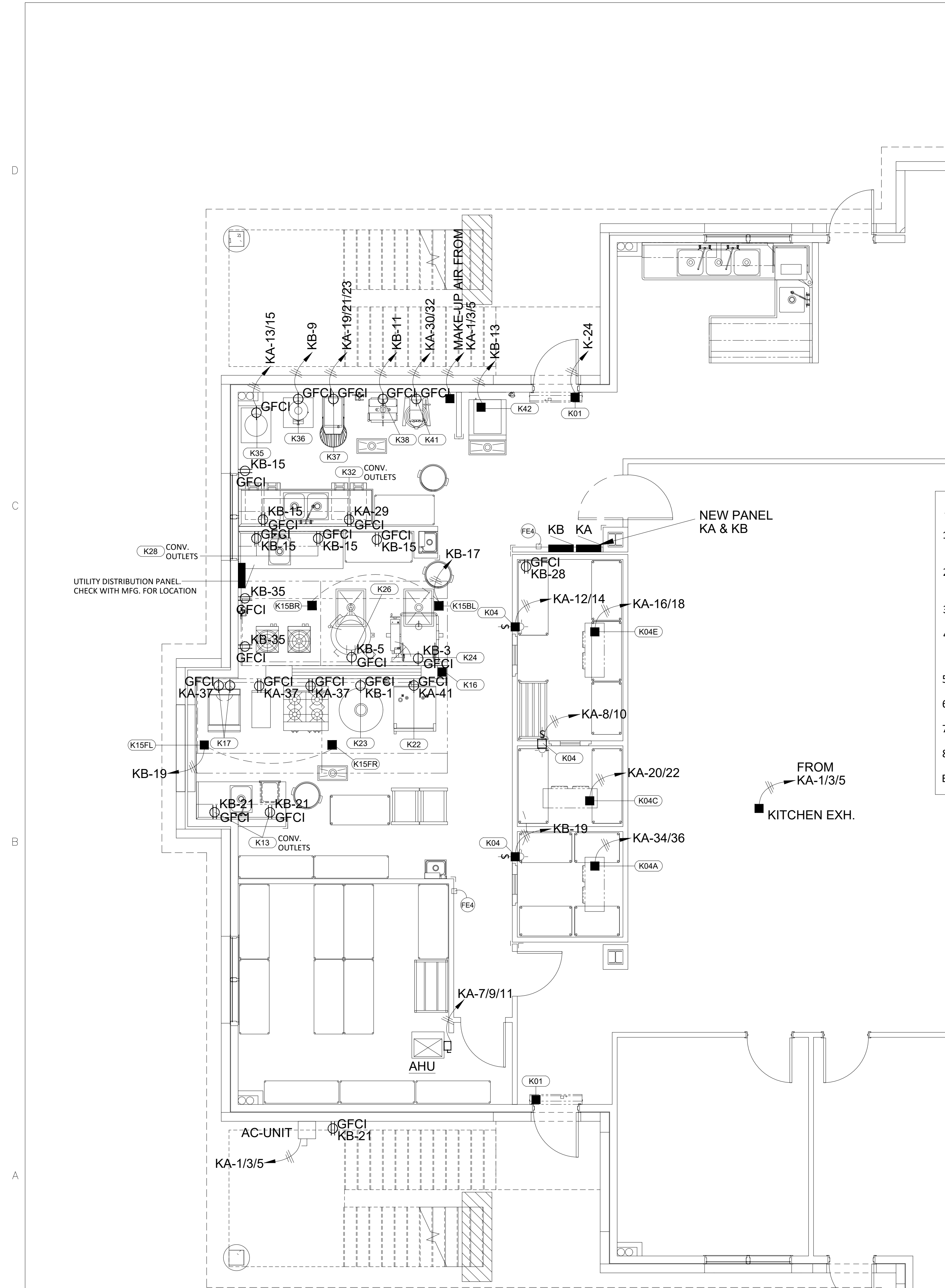
01-GAS RISER

SCALE: NONE



02 PLUMBING RISER

SCALE: NONE



ELECTRICAL SYMBOLS		
	SR	SINGLE RECEPTACLE
	DR	DUPLEX RECEPTACLE
	QR	QUAD RECEPTACLE
	EC/JB	ELECTRICAL CONNECTION/JUNCTION BOX
	DO	DATA OUTLET
	PO	PHONE OUTLET
	IPW	INTERCONNECTED POWER WIRING
	LT	LIGHT
	FLT	FLUORESCENT LIGHT

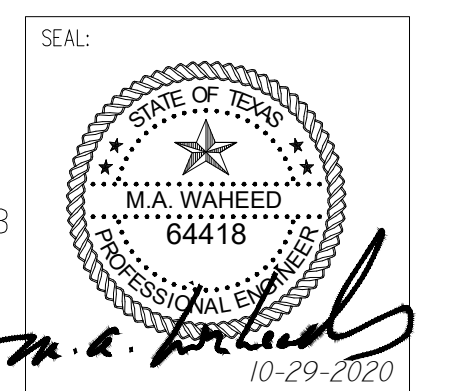
- ELECTRICAL NOTES:**
- ALL ELECTRICAL WORK SHALL COMPLY WITH NEC-2017 AND THE CITY OF ALLEN, TX ELECTRICAL ORDINANCE.
 - GFCI RECEPTACLES SHALL BE REQUIRED FOR KITCHEN, BATHROOMS, EXTERIOR, HVAC RTU'S, ETC. PER NEC-210.8.
 - ALL WIRING SHALL BE COPPER AND SHALL BE IN CONDUIT OR MC CABLE.
 - PANEL CLEARANCE TO BE PROVIDED ACCORDING TO NEC ART. 110-26, 32, & 33.
 - WIRING METHODS TO COMPLY WITH NEC ART. 300.
 - VERIFY LOCATION OF ALL OUTLETS WITH ARCHITECT AND OWNER.
 - USE MINIMUM #12 AWG. COPPER.
 - PER 2017 NEC GFCI BREAKERS ARE REQUIRED FOR VENDING MACHINES, WATER FOUNTAIN, AND KITCHEN EQUIPMENT EVEN IF THE EQUIPMENT IS MOVABLE.

FOOD SERVICE EQUIPMENT SCHEDULE			
ITEM NO	QTY	EQUIPMENT CATEGORY	REMARKS
K01	2	AIR CURTAIN	
K02	1	CAN RACK	
K03	10	WIRE SHELVING, DRY STORE	
K04	1	WALK-IN, COMPLEX	
K04A	1	EVAPORATOR, +35°F	
K04B	1	CONDENSING UNIT, +35°F	
K04C	1	EVAPORATOR, +35°F	
K04D	1	CONDENSING UNIT, +35°F	
K04E	1	EVAPORATOR, -10°F	
K04F	1	CONDENSING UNIT, -10°F	
K05	10	WIRE SHELVING, WALK-IN	
K06	1	DUNNAGE SHELF	
K07	2	HAND SINK W/SOAP & TOWEL DISPENSER	
K08	2	WIRE SHELVING	
K09		SPARE NO	
K10		SPARE NO	
K11	2	PAN RACK	
K12	1	WIRE SHELVING	
K13	1	WORKTABLE W/SINK	
K14	1	SHELVING, WALL-MOUNTED	
K15FL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15FR	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15BL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15BL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K16	1	UTILITY DISTRIBUTION SYSTEM	
K17	1	FRYER W/ FILTRATION UNIT	
K18	1	SPACER TABLE	
K19		SPARE NO	
K20		SPARE NO	
K21	1	4-BURNER RANGE W/ OVEN	
K22	1	COMBI OVEN W/ WATER FILTER	
K23	1	CHAPPATI MACHINE	
K24	1	SKILLET TILTING, 30GALS	
K25	2	FLOOR TROUGH & GRATE	
K26	1	KETTLE TILTING, 40GALS	EXISTING
K27	2	STOCK POT RANGE	
K28	1	WORKTABLE W/SINK	EXISTING
K29	1	SHELVING, WALL-MOUNTED	EXISTING
K30		SPARE NO	
K31	2	WIRE SHELVING	
K32	1	WORKTABLE W/ 2-SINKS	
K33	1	SHELVING, WALL-MOUNTED	
K34	2	FLOOR TROUGH & GRATE	
K35	1	MASALA GRINDER	EXISTING
K36	1	POTATO PEELER	EXISTING
K37	1	DOUGH KNEADER, 40QT	
K38	1	DOUGH DIVIDER	
K39		SPARE NO	
K40		SPARE NO	
K41	1	PLANETRY MIXER	EXISTING
K42	1	ICE CUBER W/ ICE BIN & WATER FILTER	EXISTING
K43	1	FLOOR TROUGH & GRATE	
K44	2	FAUCET, PRE-RINSE SINK	
K45	2	FAUCET, POT FILLER	
K46	3	TRASH BIN	
K47	4	INGREDIENT BIN	
K48	LOT	CORNER GUARD.	
KS1	1	COUNTERTOP GRIDDLE W/ STAND	
KS2	1	SOILED DISH TABLE	

01 POWER PLAN
SCALE 1/4"=1'-0"

CONSULTANT:
WAHEED CONSULTING
MECHANICAL-ELECTRICAL-PLUMBING SYSTEM DESIGN
Registration No. F-6336
TEL: (817) 793 2010, FAX: (972) 442 4063
420 PARKSIDE ST. MURPHY, TX, 75094
E-mail: waheedmep@yahoo.com

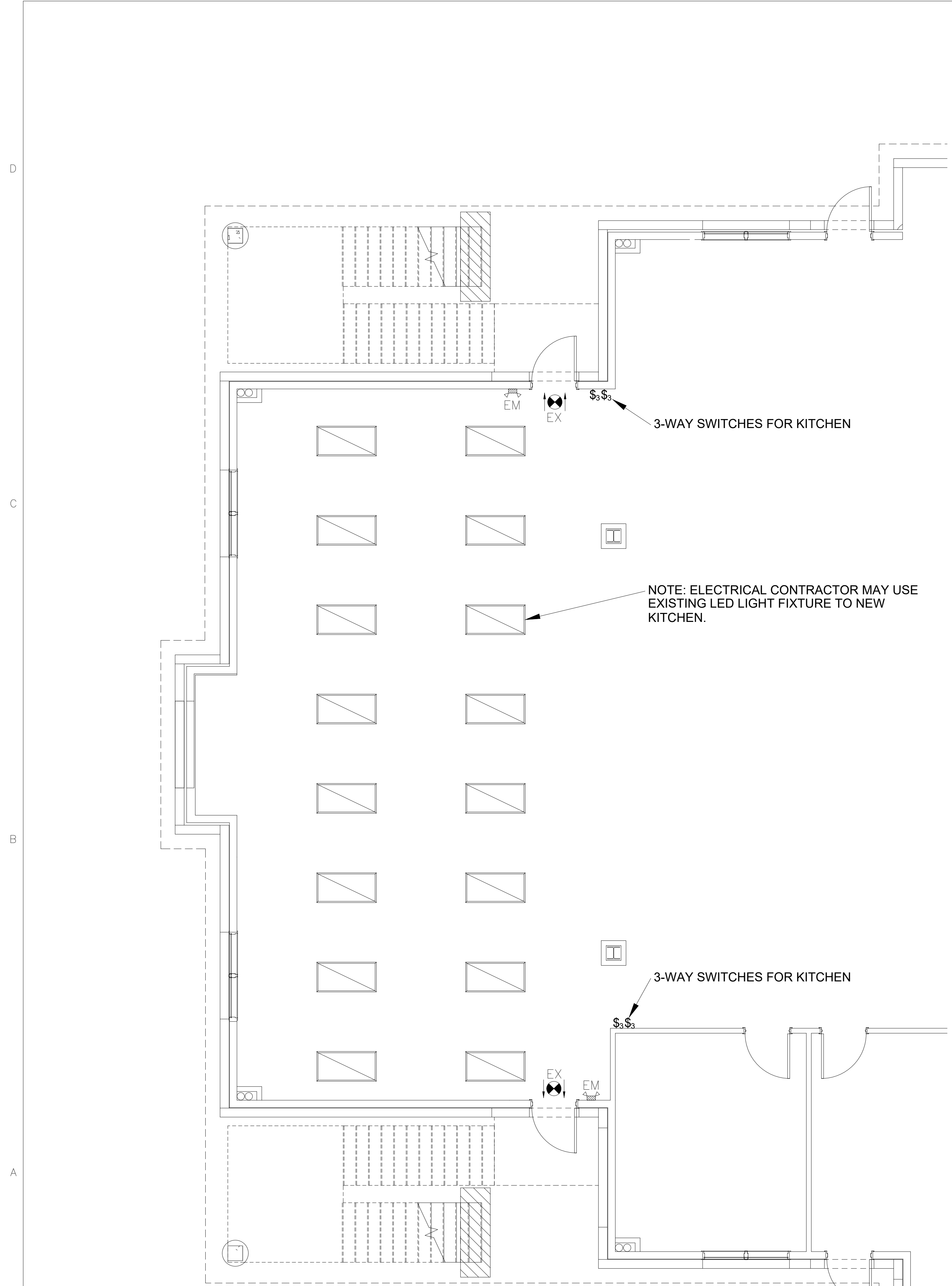
PROJECT:
RADHA KRISHNA TEMPLE
FOODSERVICE EQUIPMENT LAYOUT
1450 N. WATERS ROAD
ALLEN, TX 75013



REVISIONS:	DATE:

TITLE:
FOOD SERVICE POWER PLAN

DATE: 10/29/2020 SCALE: 1/4"=1'-0"
DRAWN: CHECKED:
PROJECT #
SHEET NO: **FS-E1**



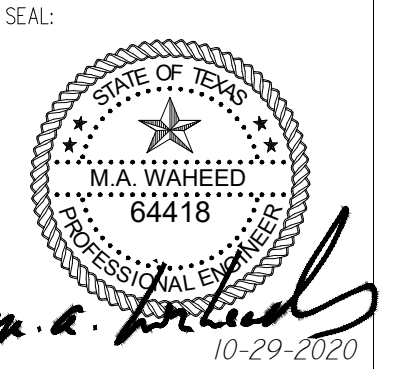
ELECTRICAL SYMBOLS		
	SR	SINGLE RECEPTACLE
	DR	DUPLEX RECEPTACLE
	QR	QUAD RECEPTACLE
	EC/JB	ELECTRICAL CONNECTION/JUNCTION BOX
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	PO	PHONE OUTLET
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	FLT	FLUORESCENT LIGHT

FOOD SERVICE EQUIPMENT SCHEDULE			
ITEM NO	QTY	EQUIPMENT CATEGORY	REMARKS
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K04D	1	CONDENSING UNIT, +35°F	
K04E	1	EVAPORATOR, -10°F	
K04F	1	CONDENSING UNIT, -10°F	
K05	10	WIRE SHELVING, WALK-IN	
K06	1	DUNNAGE SHELF	
K07	2	HAND SINK W/SOAP & TOWEL DISPENSER	
K08	2	WIRE SHELVING	
K09		SPARE NO	
K10		SPARE NO	
K11	2	PAN RACK	
K12	1	WIRE SHELVING	
K13	1	WORKTABLE W/SINK	
K14	1	SHELVING, WALL-MOUNTED	
K15FL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15FR	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15BL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K15BL	1	EXHAUST HOOD W/FIRE SUPP SYSTEM & MAKE-UP AIR	
K16	1	UTILITY DISTRIBUTION SYSTEM	
K17	1	FRYER W/ FILTRATION UNIT	
K18	1	SPACER TABLE	
K19		SPARE NO	
K20		SPARE NO	
K21	1	4- BURNER RANGE W/ OVEN	
K22	1	COMBI OVEN W/ WATER FILTER	
K23	1	CHAPPATI MACHINE	
K24	1	SKILLET TILTING, 30GALS	
K25	2	FLOOR TROUGH & GRATE	
K26	1	KETTLE TILTING, 40GALS	EXISTING
K27	2	STOCK POT RANGE	
K28	1	WORKTABLE W/SINK	EXISTING
K29	1	SHELVING, WALL-MOUNTED	EXISTING
K30		SPARE NO	
K31	2	WIRE SHELVING	
K32	1	WORKTABLE W/ 2-SINKS	
K33	1	SHELVING, WALL-MOUNTED	
K34	2	FLOOR TROUGH & GRATE	
K35	1	MASALA GRINDER	EXISTING
K36	1	POTATO PEELER	EXISTING
K37	1	DOUGH KNEADER, 40QT	
K38	1	DOUGH DIVIDER	
K39		SPARE NO	
K40		SPARE NO	
K41	1	PLANETRY MIXER	EXISTING
K42	1	ICE CUBER W/ ICE BIN & WATER FILTER	EXISTING
K43	1	FLOOR TROUGH & GRATE	
K44	2	FAUCET, PRE-RINSE SINK	
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K46	3	TRASH BIN	
K47	4	INGREDIENT BIN	
K48	LOT	CORNER GUARD.	
KS1	1	COUNTERTOP GRIDDLE W/ STAND	
KS2	1	SOILED DISH TABLE	

01 LIGHTING PLAN
SCALE 1/4"=1'-0"

CONSULTANT:
WAHEED CONSULTING
MECHANICAL-ELECTRICAL-PLUMBING SYSTEM DESIGN
Registration No. F-6336
TEL: (817) 793 2010, FAX: (972) 442 4063
420 PARKSIDE ST. MURPHY, TX, 75094
E-mail: waheedmep@yahoo.com

PROJECT:
RADHA KRISHNA TEMPLE
FOODSERVICE EQUIPMENT LAYOUT
1450 N. WATERS ROAD
ALLEN, TX 75013



REVISIONS: _____ DATE: _____

TITLE:
FOOD SERVICE LIGHTING PLAN

DATE: 10/29/2020 SCALE: 1/4"=1'-0"
DRAWN: _____ CHECKED: _____
PROJECT # _____
SHEET NO: **FS-E2**

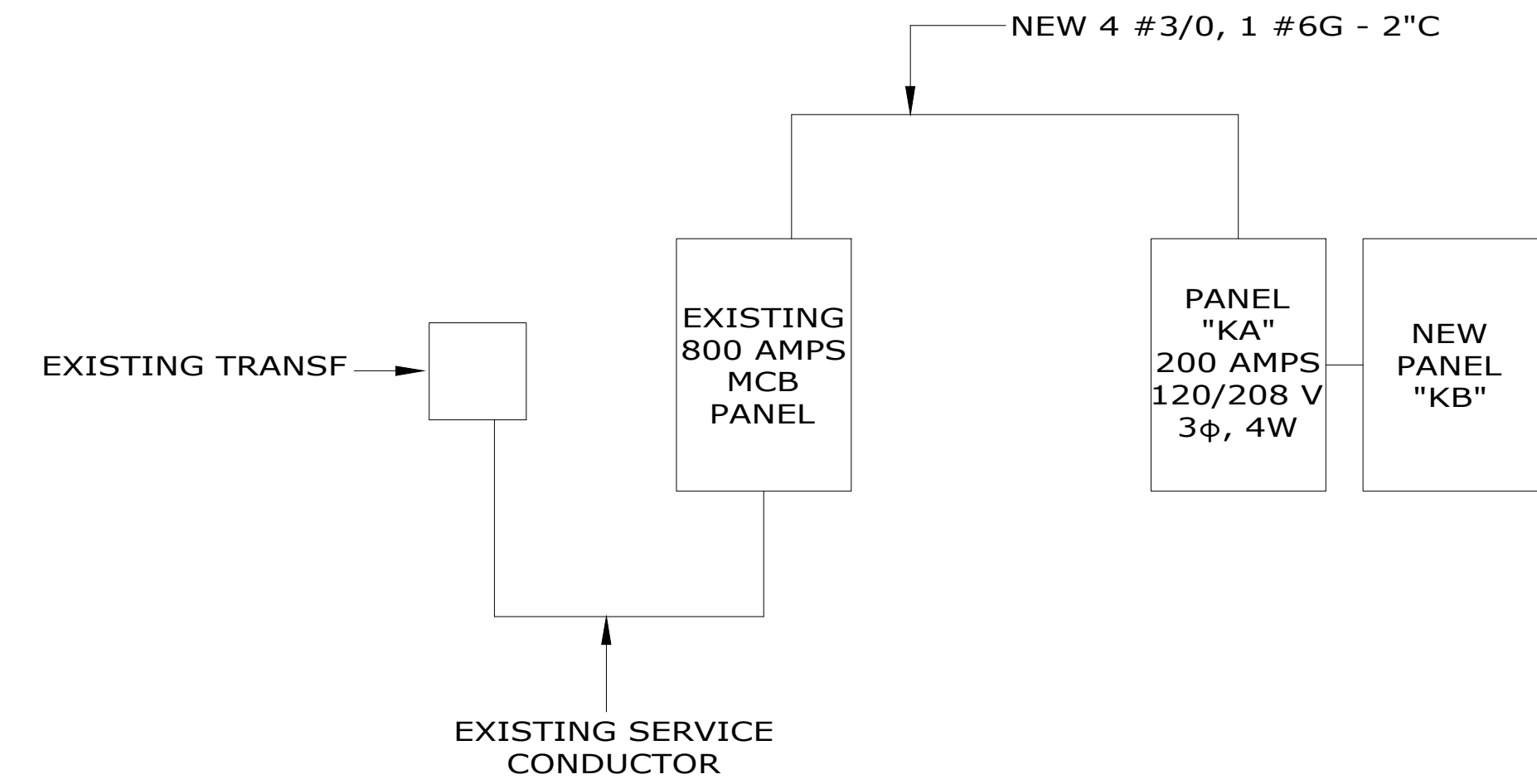
EXISTING PANEL		VOLTS 120/208		PHASE 3 WIRES 4		MCB 800		
CRC NO.	POLES & AMPS	LOAD SERVED	PHASE LOAD VA			LOAD SERVED	CRC NO.	POLES & AMPS
			A	B	C			
1	3/200	PANEL "LP-1"	7000			RTU#1-1	2	3/80
3			7000					
5			7000					
7	3/200	PANEL "LP-2"	7000			RTU#1-2	8	3/80
9								
11								
13	3/200	PANEL "KP"				RTU#1-3	14	3/80
15								
17								
19	3/150	ELEVATOR	8000			RTU#2-1	20	3/60
21			2000					
23			8000					
25	3/60	ELEVATOR	2500			RTU#2-2	26	3/60
27			5000					
29			2500					
31	3/100	SPARE	5000			RTU#2-3	32	3/60
33			5000					
35			5000					
37	3/200	PANEL "KA"	21000			RTU#2-4	38	3/60
39			5000					
41			21000					
TOTAL			69,500	69,500	69,500			
TOTAL CONNECTED LOAD			271,500			DEMAND LINE AMPS .580		
DEMAND LOAD			209,500					

NEW PANEL		VOLTS 120/208		PHASE 3 WIRES 4		MLO 200		
CRC NO.	POLES & AMPS	LOAD SERVED	PHASE LOAD VA			LOAD SERVED	CRC NO.	POLES & AMPS
			A	B	C			
1	3/80	AC-UNIT	2500			UTILITY DIST	2	3/60
3			6000					
5			2500					
7	3/80	AHU	2500			CU-#1	8	2/20
9			2000					
11			2500			CU-#2	10	2/20
13	3/20	MASALA GRINDER	1000					
15			2000			EVAPORATOR #1	16	2/15
17			1000					
19	3/20	DOUGH 40QT	1000			EVAPORATOR #2	20	2/20
21			500					
23			1000			AIR CURTAIN	24	1/20
25	2/20	ICE MACHINE	1000					
27			500			WALK-IN COOLER	26	1/20
29	1/20	WORK TABLE	1000			PLENTRY MIX	30	2/20
31	1/20	EXH-HOOD	500					
33	1/20	EXH-HOOD	1000			CU-#3	34	2/20
35	1/20	FRYER	500					
37	1/20	GAS OVEN	500			SPARE	38	1/20
39	1/20	GAS BURNER	500			SUB PANEL KB	40	2/100
41	1/20	COMBI-OVEN	500					
TOTAL			21,000	21,000	21,000			
TOTAL CONNECTED LOAD			63,000			DEMAND LINE AMPS .131		
DEMAND LOAD			47,250					

NEW PANEL		PANEL NO. B		MFG: SQ D		BUS RATING: 100	
SERVICE: 120V		TYPE: SINGLE PHASE		LOCATION: SURFACE			
EQUIPMENT	VOLT-AMPS	C K T	B K R	PHASE LOAD VA			EQUIPMENT
				A	B	C	
CHAPATI MACHINE		1	1/20				SPARE
SKILLET		3	1/20				SPARE
KETTLE		5	1/20				SPARE
WORK TABLE		7	1/20				SPARE
POTATO PEELER		9	1/20				SPARE
DOUGH DIVIDER		11	1/20				SPARE
ICE MACHINE		13	1/20				SPARE
OUTLETS		15	1/20				SPARE
OUTLETS		17	1/20				SPARE
OUTLETS		19	1/20				SPARE
OUTLETS		21	1/20				SPARE
SPARE		23	1/20				SPARE

BUS "A" _____ MAIN: _____ KVA DEMAND: _____
 BUS "B" _____ FEEDER SIZE: _____ MOUNTING: _____
 TOTAL: _____ CONDUIT SIZE: _____ AIC RATING: _____
 SOURCE: _____

* ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 200 AMP FEEDER BREAKER FOR NEW KITCHEN PANEL "KA".



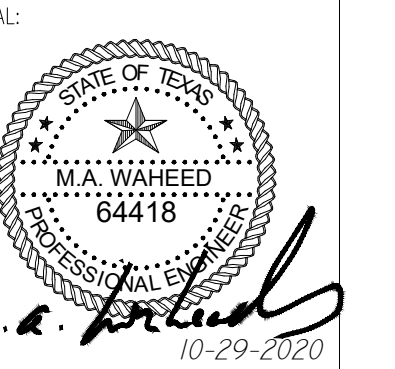
01 EXISTING ELECTRICAL RISER DIAGRAM
N.T.S.

ELECTRICAL SPECIFICATIONS:

- SCOPE OF WORK: FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO COMPLETE INSTALLATION FOR ELECTRICAL POWER AND LIGHTING SERVICE WITHIN THE AREA DESCRIBED ON THE DRAWINGS. ALL WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND APPLICABLE ORDINANCES, REGULATIONS, AND CODES OF THE CITY OF ALLEN, TEXAS, AND THOSE OF STATE OF TEXAS.
- FEES AND PERMITS: THIS CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND FEES WHICH ARE REQUIRED FOR THE WORK UNDER THIS SECTION OF THE SPECIFICATIONS.
- GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE FULLY GUARANTEED FOR THE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK. DURING THIS PERIOD ALL PARTS FOUND TO BE DEFECTIVE SHALL BE REPLACED WITHOUT COST OF THE OWNER.
- UTILITIES: ELECTRICAL POWER AND TELEPHONE SERVICES SHALL BE EXTENDED TO POINTS OF SERVICE CONNECTIONS AT THE APPROXIMATE LOCATIONS SHOWN ON THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INSTALLATION OF THESE SERVICES WITH THE UTILITY COMPANIES. VERIFY POINTS OF CONNECTION, PAY ALL ASSOCIATED CONNECTION FEES.
- GROUNDING: ALL ELECTRICAL EQUIPMENT INSTALLED ON THIS PROJECT SHALL BE PROPERLY GROUNDED IN STRICT ACCORDANCE WITH SECTION 250 OF THE NEC.
- RACEWAYS AND FITTINGS: ALL WIRING, EXCEPT AS OTHERWISE NOTED SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT WITHIN THE BUILDING SHALL BE GALVANIZED ELECTRICAL METALLIC TUBING (EMT), CONNECTIONS TO EQUIPMENT MAY BE MADE WITH FLEXIBLE METALLIC CONDUIT AS ALLOWED BY CODE. WHEREVER FLEXIBLE CONDUIT IS USED IN DAMP OR OUTDOOR LOCATIONS IT SHALL BE RATED LIQUID TIGHT AND SHEATHED WITH A VINYL COVER. FITTINGS SHALL BE LIQUID TIGHT. RACEWAYS INSTALLED IN CONCRETE OR BURIED BELOW GRADE, AND SERVICE ENTRANCE CONDUIT SHALL BE FABRICATED FROM RIGID GALVANIZED STEEL CONDUIT. UNDERGROUND CONDUIT MAY BE FABRICATED FROM UPVC, ALL APPROVED PLASTIC CONDUIT, INSTALLED WITHOUT CONCRETE ENCASEMENT WHEN ALLOWED BY CODE. ALL CONDUIT AND FITTINGS SHALL BE APPROVED AND ALL LABELS, AND SHALL BE INSTALLED AS REQUIRED BY CODE.
- WIRING: ALL CONDUCTORS, EXCEPT WHERE OTHERWISE NOTED SHALL COPPER AS REQUIRED BY NEC. INSULATION SHALL BE COLORING CODED TYPE THW. ALL WIRE SIZES SHALL BE SIZED AS INDICATED AND WHERE NO SIZES ARE SPECIFIED INSTALL #12. ALL CONTROL WIRING SHALL BE # 14 SIZE.
- PULL WIRES: PULL WIRE SHALL BE FURNISHED AND INSTALLED IN ALL EMPTY CONDUITS AND SHALL 50 POUND TEST NYLON CORD. LABEL EACH TERMINATION.
- OUTLET BOXES AND COVERS: ALL OUTLET BOXES INSIDE THE BUILDING SHALL BE GALVANIZED, PRESSED STEEL TYPE, EXCEPT WHERE OTHERWISE REQUIRED. INSTALL SECTIONAL TYPE BOXES IN GYPBOARD WALLS AND MASONRY TYPE BOXES IN MASONRY WALLS. ALL JUNCTION BOXES AND PULL BOXES SHALL BE EQUIPPED WITH BLACK COVERS. ALL FLUSH MOUNTED BOXES LOCATED INSIDE THE BUILDING SHALL BE EQUIPPED WITH AN IVORY COLORED PLASTIC COVER PLATE UNLESS OTHERWISE NOTED. WALL PLATE IN ROOMS WITH WOOD PANELING SHALL BE STAINED TO MATCH THE COLOR OF THE WALL OF THE WALL BOXES FOR ALUMINUM AND SHALL HAVE THREADED CONDUIT ENTRANCES, WATERPROOF TYPE, AND ADJUSTABLE POLISHED BRASS COVER PLATE.
- WIRING DEVICES: SWITCHES SHALL BE ARROW-HART #1991-SL-1 AS REQUIRED, OR EQUAL BY HUBBELL, PASS & SEYMOUR, SIERRA OR BRYANT. RECEPTACLES SHALL BE ARROW-HART #5262-1 OR EQUAL BY SWITCH MANUFACTURER. ALL ACCESSIBLE RECEPTACLES IN RESTROOMS, JANITOR CLOSETS, KITCHENS, OR OUTDOOR RECEPTACLES SHALL BE G.F.I. TYPE OR PROTECTED BY G.F.I. CIRCUIT BREAKERS.
- TELEPHONE AND COMPUTER CONDUIT SYSTEM: FURNISH AND INSTALL AN EMPTY 3/4 INCH CONDUIT FROM EACH TELEPHONE AND COMPUTER WALL OUTLET TO 12" ABOVE THE CEILING. COORDINATE THE TELEPHONE SYSTEM INSTALLATION WITH THE TELEPHONE COMPANY.
- PANELBOARDS: PANELBOARDS SHALL BE OF THE CIRCUIT BREAKER TYPE WITH TIN PLATED ALUMINUM BUSSING SIZED AS SHOWN ON THE PLAN AS MANUFACTURED BY GENERAL ELECTRIC OR SQUARE D. ALL PANELBOARDS SHALL USE BUILT-IN TYPE CIRCUIT BREAKERS FOR AIR CONDITIONING EQUIPMENT SHALL BE 'HACR' TYPE. APPROVED MANUFACTURERS: GENERAL ELECTRIC OR SQUARE D.
- SAFETY SWITCHES: SAFETY SWITCHES SHALL CONSIST OF A BOX, HINGED LOCKING COVER, AND CIRCUIT PROTECTOR DEVICES, AND SHALL BE MANUFACTURED IN ACCORDANCE WITH NEMA STANDARDS AND SHALL BEAR APPLICABLE ALL LABEL. SWITCHES SHALL BE FUSED OR NON-FUSED, WITH AMPERAGE RATING AND NUMBER OF POLES AS SCHEDULED. APPROVED MANUFACTURERS: GENERAL ELECTRIC OR SQUARE D.

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1450 N. WATERS ROAD
ALLEN, TX 75013



REVISIONS:	DATE:

TITLE:
**FOOD SERVICE
PANEL AND
ELECTRICAL
RISER DIAGRAM**

DATE: 10/29/2020
SCALE:
DRAWN: _____ CHECKED:
PROJECT #
SHEET NO: **FS-E3**