

HOOD INFORMATION — JOB#5148796

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX CODING	TYPE	APPLIANCE DUTY	DESIGN CFM	TOTAL SUPPLY CFM	EXHAUST PLENUM	HOOD CONFIG
1	HD01	5412	CAPTIVEARE	14' 0"	600	1	HEAVY	2884	2884	2700	ALDNE ALDNE
2	DISH	4218	CAPTIVEARE	3' 6"	700	11	N/A	129	450	0	ALDNE ALDNE

HOOD NO	TAG	TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 FT	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	QUANTITY	WEIGHT
1	HD01	CAPTIVEARE	10	16"	16'	89% SPEC	5	L55 SERIES E26	NO	WALL MNT	12'x48'x24'	TANK FS	1 LIGHT	890 LBS
2	DISH	VRB-G	3	6'	700 DEG		11		0				1 FAN	117 LBS

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENGTH	DIA	CFM	SP
1	HD01	Front	168"	16"	6"	MUA	12"	24"	723	01987	
						MUA	12"	24"	723	01987	
						MUA	12"	24"	723	01987	

WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	TYPE	FIRE SYSTEM	SIZE	ELECTRICAL MODEL #	QUANTITY	WEIGHT
1	WALL MNT	12'x48'x24'	TANK FS	40/40	DCV-1111	1 FAN	1 LIGHT	3400 LBS

EXHAUST FAN INFORMATION — JOB#5148796

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SINCS
1	EFT1	1	US318DD-RM	CAPTIVEARE	2884	1.500	1280	DPP-PREMIUM	2000	11970	3	208	6.1	1478 FPM	402	18.4
3	EFT-DISH	1	DUS38FA	CAPTIVEARE	525	0.500	1196	TEAD-ECM	0.333	01040	1	115	4.3	260 FPM	63	10

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE
2	KWUA	AI-D300-1SD-HPU	1	2.5	208-230	3 PHASE	60 HZ	11.2 AMPS	9.07 AMPS	20 AMPS	14 AWG
			2	2.5	208-230	3 PHASE	60 HZ	11.2 AMPS	9.07 AMPS	20 AMPS	14 AWG

MUA FAN INFORMATION — JOB#5148796

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCP	WEIGHT (LBS)	SINCS		
2	MUA	1	AI-D300-1SD-HPU	139P-1-HQD	AI-D300	1800	2125	0.300	2220	DPP-PREMIUM	3000	1.7790	3	208	8.6	1084	15A	1076	24

COILS — JOB#5148796

FAN UNIT NO	TAG	DESIGN CFM	ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY
2	MUA	DX	2125	90.0F	74.0F	73.6F	66.8F	55.3 MBH	19.3 MBH

GAS FIRED MAKE-UP AIR UNITS)

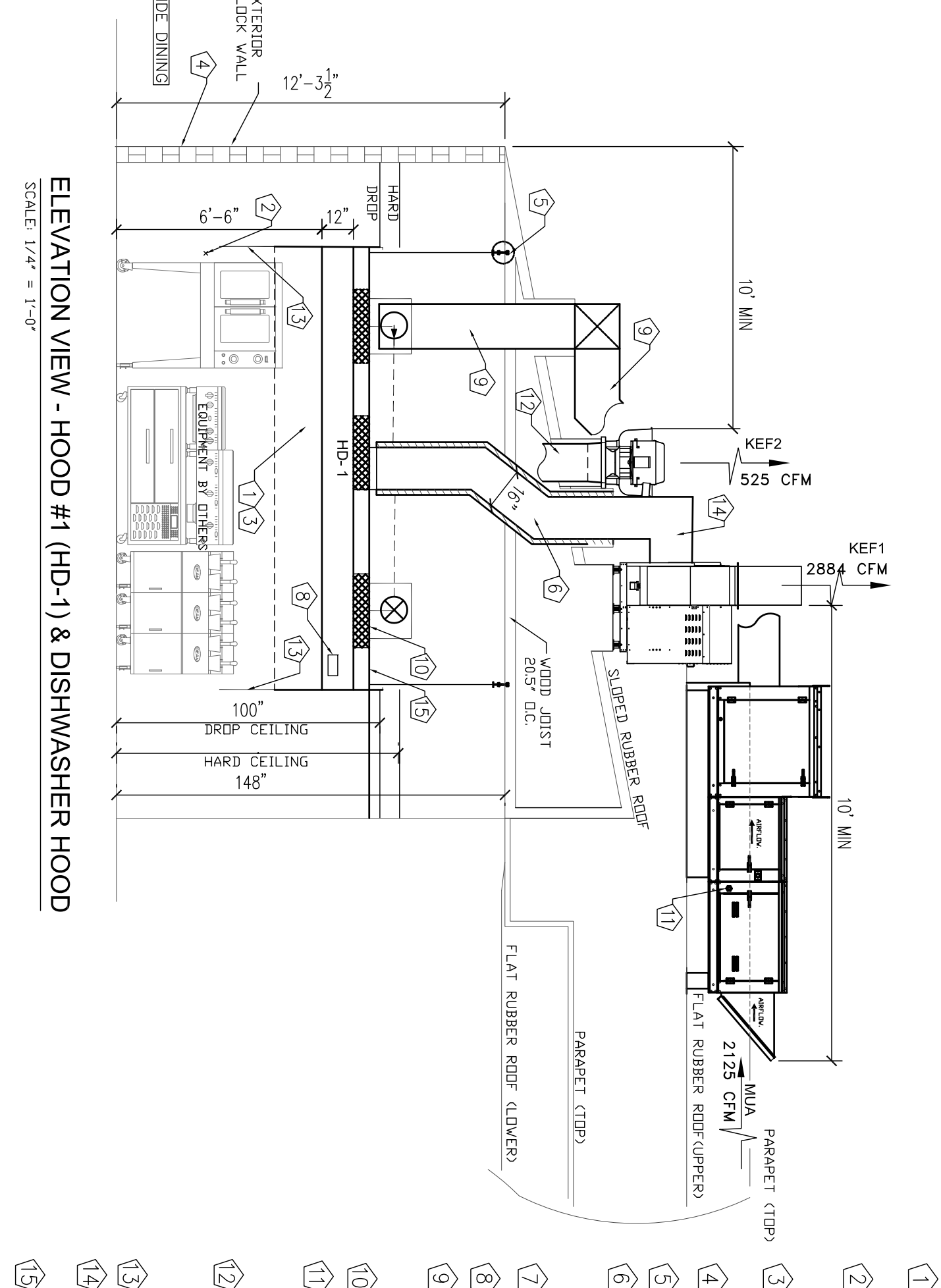
FAN UNIT NO	TAG	INPUT BTUS	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2	MUA	113666	50F	7 IN. V.C. - 14 IN. V.C.	NATURAL	92

FAV ACCESSORIES

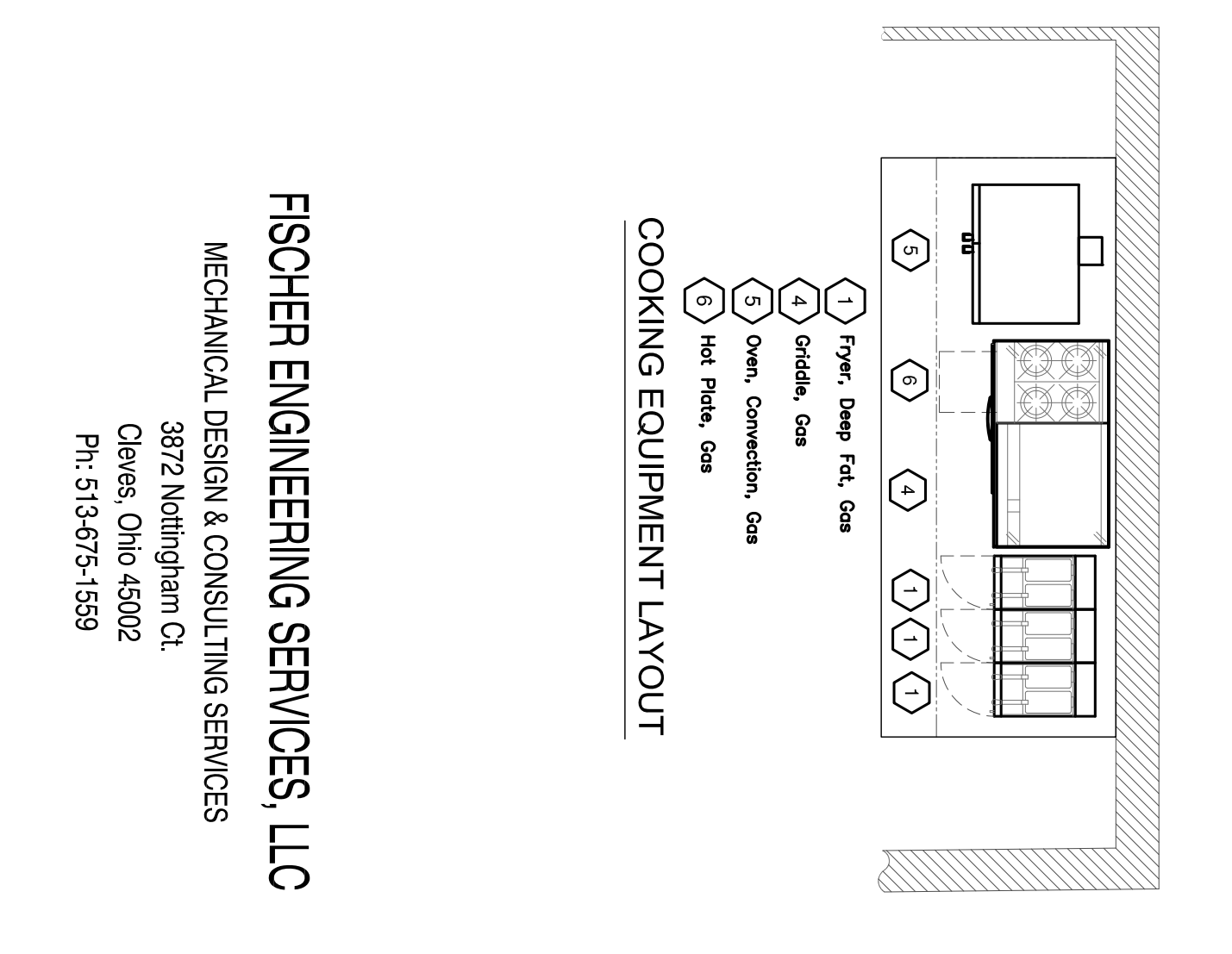
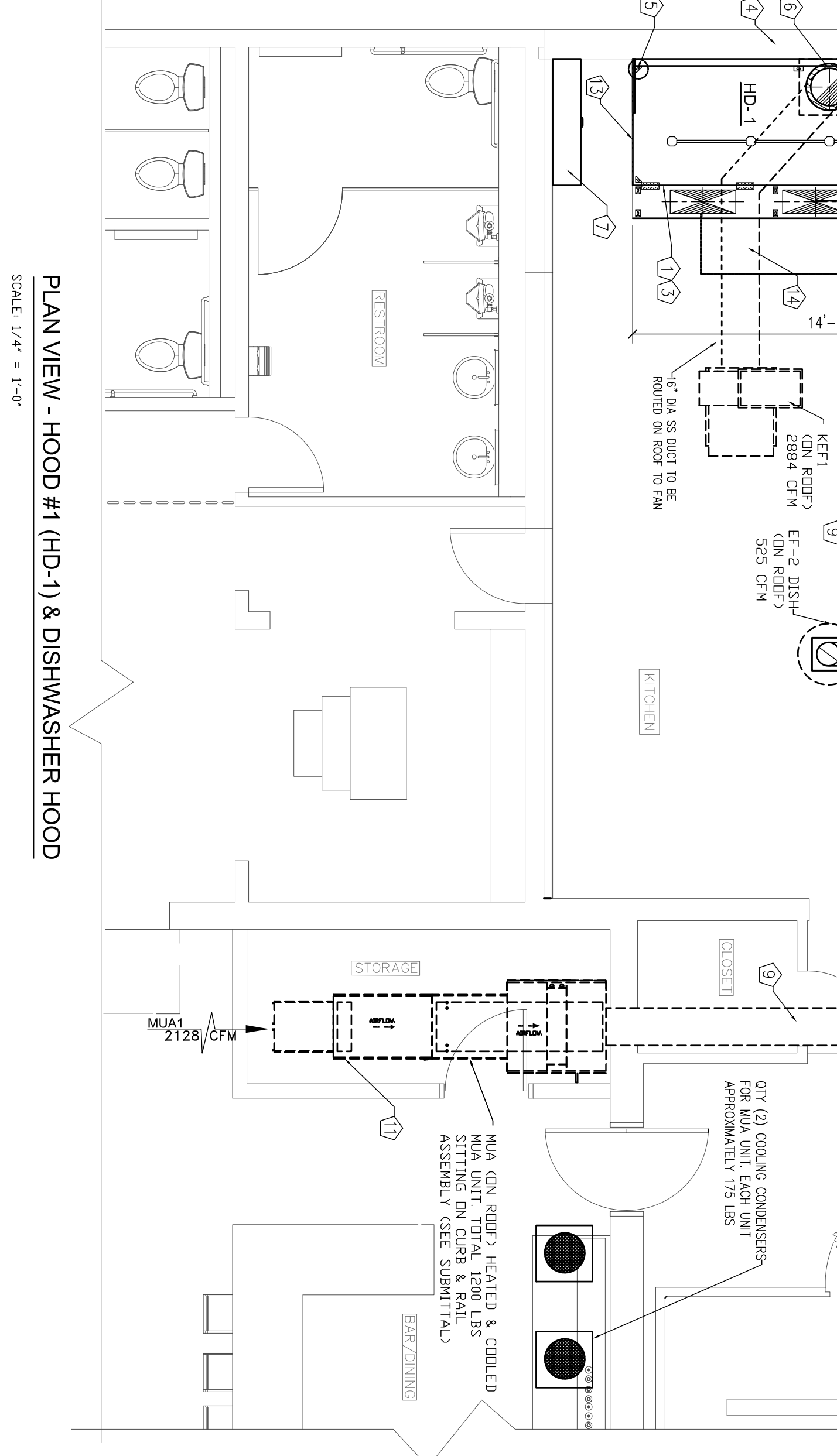
FAN UNIT NO	TAG	EXHAUST REGISTE	GRAVITY CAP	SITE MOUNT	DISCHARGE DAMPER	WATERED VALVE	WATERED VALVE MOUNT
1	EFT1	YES	YES	YES	YES	NO	NO
2	KWUA	NO	NO	NO	NO	NO	NO
3	EFT-DISH	NO	NO	NO	NO	NO	NO

CURB ASSEMBLIES

NO	DN	FAN TAG	WEIGHT	ITEM	SIZE
1	#1	EFT1	25 LBS	RAIL	4.000"V X 48.000"V X 10.000"V
2	#2	EFT1	83 LBS	RAIL	6.000"V X 21.000"V X 12.000"V
3	#3	EFT1	83 LBS	RAIL	6.000"V X 21.000"V X 12.000"V
4	#4	EFT1	83 LBS	RAIL	6.000"V X 21.000"V X 12.000"V
5	#5	EFT1	83 LBS	RAIL	6.000"V X 21.000"V X 12.000"V
6	#6	EFT1	83 LBS	RAIL	6.000"V X 21.000"V X 12.000"V
7	#7	EFT1	83 LBS	RAIL	6.000"V X 21.000"V X 12.000"V

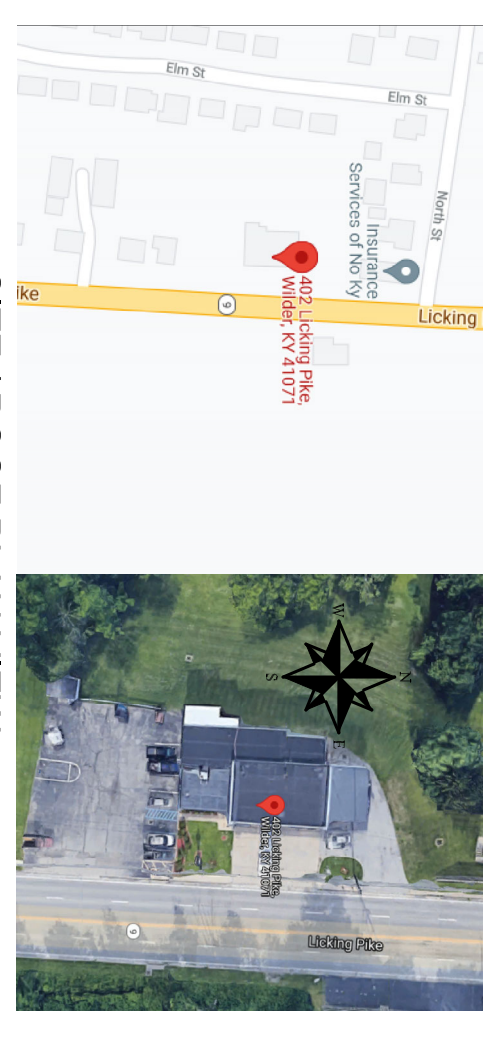


- Key Notes**
- 1 CAPTIVE-ARE ETL LISTED HOOD IN ACCORDANCE TO UL710 SEE CAPTIVE-ARE SHOP DWGS.
 - 2 STAINLESS STL. WALL PANEL BELOW & RIGHT & LEFT OF HOOD FROM FLOOR TO LEFT & RIGHT (MINIMUM) CANOPY TYPE HOOD TO OVERHANG IN FRONT BY 6" FROM COOKING SERVICE (SEE CAPTIVE-ARE LISTING SHEET).
 - 3 BRICK WALL WITH METAL STUD & SHEET ROCK.
 - 4 HANGING ROD (SEE DETAILS #1, #2 & #3).
 - 5 16" DIA. CAPTIVE-ARE LISTED DUCT WITH OY (2) LAYERS OF LISTED FIRE WRAP FOR ZERO CLEARANCE. (SEE FIREWRAP SPEC'S)
 - 6 HOOD CONGRUES & ANSUL (US30) WALL MOUNTED UP HIGH (RIGHT LOCATION).
 - 7 FAN AND LIGHT SWITCHES.
 - 8 17X 17" OD (16X 16"-ID) (OR EQUIV) DUCT TO MUA-1 ON ROOF. INSULATED ROUTED TO LOWER ROOF TO DUCT CAB.
 - 9 17X 24" SUPPLY RISERS FOR SUPPLY PLENUM FOR HOOD. (QTY 3)
 - 10 GAS FIRED COOLED MUA GAS CONNECTED BY PLUMBER. ACCESS TO MUA UNIT SITS ON UPPER FLAT ROOF.
 - 11 10" DIA. CAPTIVE-ARE STAINLESS STEEL DUCTWORK FOR STEAM DRAIN. PARALLEL TO WOOD JOIST. (SEE SPEC'S ON THIS PAGE)
 - 12 16" DIA. CAPTIVE-ARE LISTED DUCT TO UTILITY SET FAN.
 - 13 FRONT PERFORATED SUPPLY PLENUM.

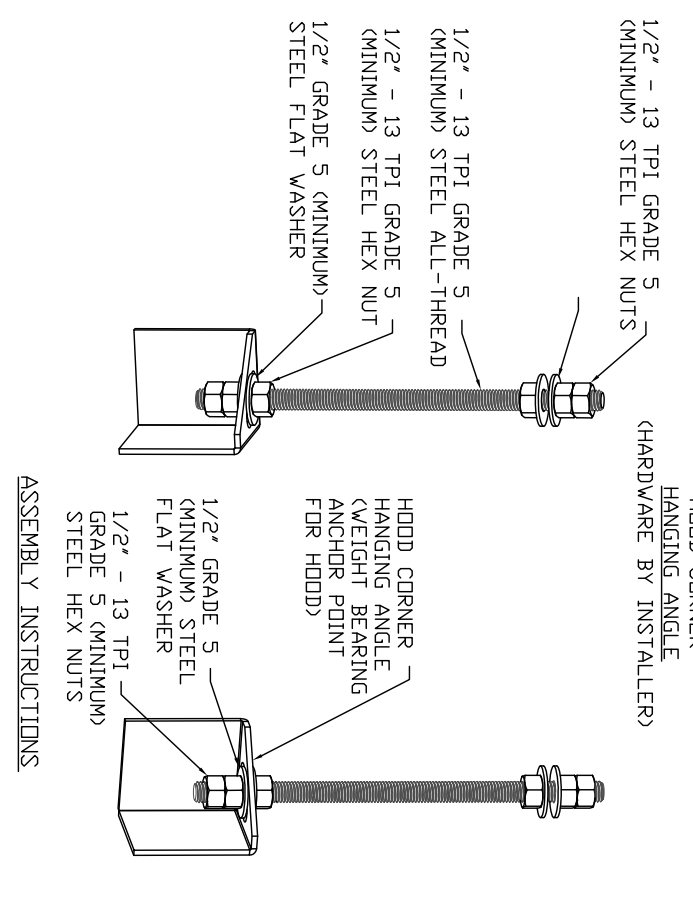


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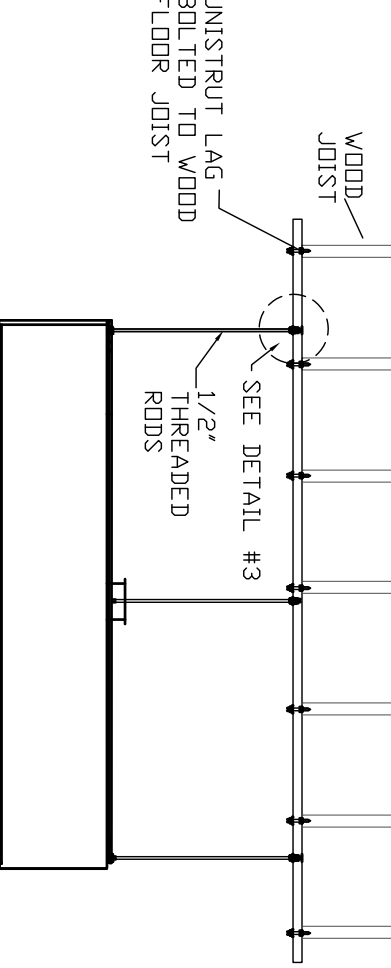
CAPTIVE-ARE HOODS ARE BUILT IN COMPLIANCE WITH UL 710 AND NFPA 96 AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING ETL SANITATION LISTED



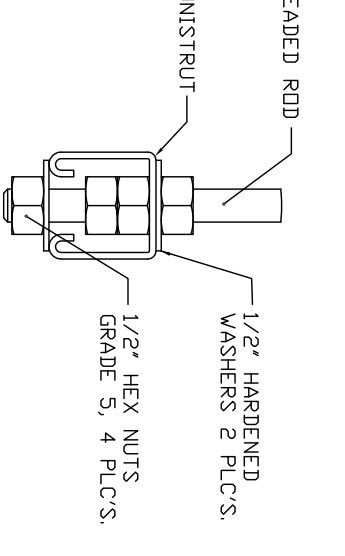
DETAIL #1: HOOD HANGING ASSEMBLY



DETAIL #2: HOOD SUPPORT



DETAIL #3: HANGING ROD TO UNISTRUT



HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 QINQUINO ALL-THREAD HANGING RODS. THE HOOD CARRIER SHALL BE SUPPORTED BY THE HANGING RODS. THE HOOD CARRIER SHALL BE SUPPORTED BY THE HANGING RODS. THE HOOD CARRIER SHALL BE SUPPORTED BY THE HANGING RODS.

RESPONSIBILITY MATRIX

- 1) REQUIREMENTS FOR FOOD SERVICE CONTRACTOR (F.E.C.)
- 2) HOOD, FANS & ALL ASSOCIATED EXHAUST & SUPPLY DUCTWORK IS PROVIDED & INSTALLED BY THE CONTRACTOR
- 3) SMOKE TEST ON THE HOODS IN FRONT OF THE OWNER TO ENSURE SATISFACTION WITH THE COOKING EQUIPMENT ON
- 4) HOOD INSTALLER TO START UP MUA HEATER OR MUA, THEN FILL OUT FACTORY 4) ALL WALL STAINLESS FOR LINER & AROUND HOODS SHALL BE INSTALLED ALSO.
- 5) ASSIST IN PROVIDING & SUBMITTING IN HOOD & ANSUL PRINT DRAWINGS.
- 6) MOUNT FANS AS SHOWN ON DRAWINGS INCLUDING MUA, ANSUL PRINT DRAWINGS.
- 7) INSTALLER TO ENSURE ALL HOOD AND FAN ACCESSORIES ARE INSTALLED SUCH AS WITH THE PRODUCTION KISS, FILTER INTRAKES AND ANY OTHER MISC. ITEMS SHIPPED BY THE CONTRACTOR.
- 8) INSTALL ALL INSIDE GREASE DUCT FROM CAPTIVE-ARE SPECIFICATIONS & PREWRAP FOR INSIDE BUILDING ONLY.
- 9) INSTALL SUPPLY AND DISH DUCT.
- 10) NOTES (REQUIREMENTS) FOR ELECTRICIAN:

- 1) FIELD WIRE FROM BUILDING PANEL TO CAPTIVE ARE CONTROLS CABINET (WALL MOUNTED PANEL). 3 PHASE POWER FOR EXHAUST & SUPPLY FANS AND THEN FROM CAPTIVE ARE PANEL TO THE DISCONNECT ON THE EXHAUST & MUA FANS. THE WIRE MUST BE SERVICED TO THE DISCONNECT ON THE EXHAUST & MUA FANS. THE WIRE MUST BE SERVICED TO THE DISCONNECT ON THE EXHAUST & MUA FANS.
- 2) WIRE 2001 FROM HOOD PANEL TO MUA UNIT. ALSO WIRE A 18-3 GA. WIRE FROM HOOD PANEL TO MUA UNIT IN CEILING.
- 3) FIELD WIRE FROM BUILDING PANEL TO CAPTIVE ARE CONTROLS CABINET (HOOD MOUNTED). 1 PHASE, 120, 20 AMP CIRCUIT TO BE USED FOR LIGHTS & CONTROLS (MOUNTED). 1 PHASE, 120, 20 AMP CIRCUIT TO BE USED FOR LIGHTS & CONTROLS (MOUNTED). 1 PHASE, 120, 20 AMP CIRCUIT TO BE USED FOR LIGHTS & CONTROLS (MOUNTED).
- 4) VERIFY THAT THE WIRE RED/BROWN WIRES ON ANSUL CABINET TO CAPTIVE-ARE CONTROLS PANEL C1 & A1 TERMINALS.
- 5) FIELD WIRE THE DUCT SENSORS LOCATED IN EXHAUST COILS TO CAPTIVE ARE CABINET. CAPTIVE ARE SUPPLIES THE WHITE STAIN WIRE & SHIPPED IN CABINET TO THE HOOD. THE WIRE RED/BROWN WIRE IS TO BE PROVIDED BY CAPTIVE ARE.
- 6) 6" AWAY FROM HOOD UP HIGH STAIN WIRE PROVIDED BY CAPTIVE ARE.
- 7) FIELD WIRE THE BUILDING ALARM SYSTEM (IF APPLICABLE) INTO THE ANSUL MICRO SWITCH LOCATED AT THE RIGHT END OF THE HOOD. IF NO BUILDING ALARM, INSTALL THE CAPTIVE ARE SUPPLIED 120V HORN/LIGHT STROBE & WIRE TO ANSUL.
- 8) ELECTRICIAN MUST CHECK FAN ROTATION BY LOOKING AT YELLOW ARROWS MARKED ON FANS. IF ROTATION IS WRONG, REVERSE ANY 2 OF THE 3 PHASE LEADS ON THE LOAD SIDE.
- 9) ELECTRICIAN TO WIRE FROM ST & N1 TERMINALS OF HOOD PANEL TO SHUNT TRIP DEVICE BY OTHERS.
- 10) WIRE 120V, 1 PHASE TO WALL SWITCH AND THEN TO DISH FAN ON ROOF.

TYPE I EXHAUST GREASE DUCT (SPECIFICATIONS)

- 1) GREASE DUCT SERVING TYPE I HOODS USED IN GREASE APPLICATIONS SHALL BE CONSTRUCTED OF 16 GAGE (0.062") BLACK IRON STEEL. UNWELDED TIGHT WELDED PORTION SHALL BE PROVIDED AT EVERY CHANGE IN DIRECTION. AS REQUIRED TO PROPERLY CLEAN THE DUCT AND AT A MINIMUM OF ONE EVERY 20 FEET.
- 2) ALL COMBUSTIBLE MATERIALS SHALL BE KEPT A MINIMUM OF 18" AWAY FROM ANY PART OF THE GREASE DUCT SERVING A TYPE I HOOD. THE COMBUSTIBLE MATERIALS CANNOT BE IN CONTACT WITH THE GREASE DUCT. AN APPROVED CLEARANCE REDUCTION METHOD SHALL BE USED.
- 3) GENERAL CONTRIBUTOR (GC) RESPONSIBILITIES:
- 4) GC IS RESPONSIBLE TO HOLD A COORDINATION MEETING WITH ALL TRADES TO ENSURE UNDERSTANDING OF REQUIREMENTS AND MAKE SURE THERE ARE NO CONFLICTS THROUGHOUT THE PROJECT & ASSIST AS REQUIRED.
- 5) REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO: HOOD WALL READY TO ACCEPT ROUTING, ANY STRUCTURAL SUPPORTS REQUIRED TO SHORE UP BUILDING OR ROOF, ANY STRUCTURAL SUPPORTS REQUIRED TO SHORE UP BUILDING OR ROOF, ANY STRUCTURAL SUPPORTS REQUIRED TO SHORE UP BUILDING OR ROOF, ANY STRUCTURAL SUPPORTS REQUIRED TO SHORE UP BUILDING OR ROOF.
- 6) PROVIDE A WORKING CONSTRUCTION SCHEDULE TO ALL TRADES.

SUPPLY DUCT (SPECIFICATIONS)

- 1) SHEET METAL DUCTWORK SHALL BE FABRICATED OR GALVANIZED STEEL AND INSTALLED IN ACCORDANCE WITH SMOGA AND THE BUILDING AND MECHANICAL CODES.
- 2) PROVIDE ALL SQUARE ELBOWS IN GREASE DUCT WITH UNWELDED SMOOTH RADII CONSTRUCTION WITH SQUARE EDGES EQUAL TO 1-1/2 TIMES THE DUCT WIDTH. AVOID SITUATIONS WHICH WOULD REQUIRE 90 DEGREE FITTINGS BACK TO BACK.
- 3) TYPE I HOODS AND GREASE DUCTS SHALL BE SUPPORTED USING NON-COMBUSTIBLE MATERIALS.
- 4) GREASE DUCT SYSTEMS SHALL BE INSTALLED SO AS TO NOT COLLECT GREASE IN ANY PORTION. SLOPE DUCTWORK A MINIMUM OF 1/4" / FT. BACK TOWARDS THE HOOD. CLEAN OUTS SHALL BE PROVIDED AT EVERY CHANGE IN DIRECTION. AS REQUIRED TO PROPERLY CLEAN THE DUCT AND AT A MINIMUM OF ONE EVERY 20 FEET.
- 5) ALL COMBUSTIBLE MATERIALS SHALL BE KEPT A MINIMUM OF 18" AWAY FROM ANY PART OF THE GREASE DUCT SERVING A TYPE I HOOD. THE COMBUSTIBLE MATERIALS CANNOT BE IN CONTACT WITH THE GREASE DUCT. AN APPROVED CLEARANCE REDUCTION METHOD SHALL BE USED.