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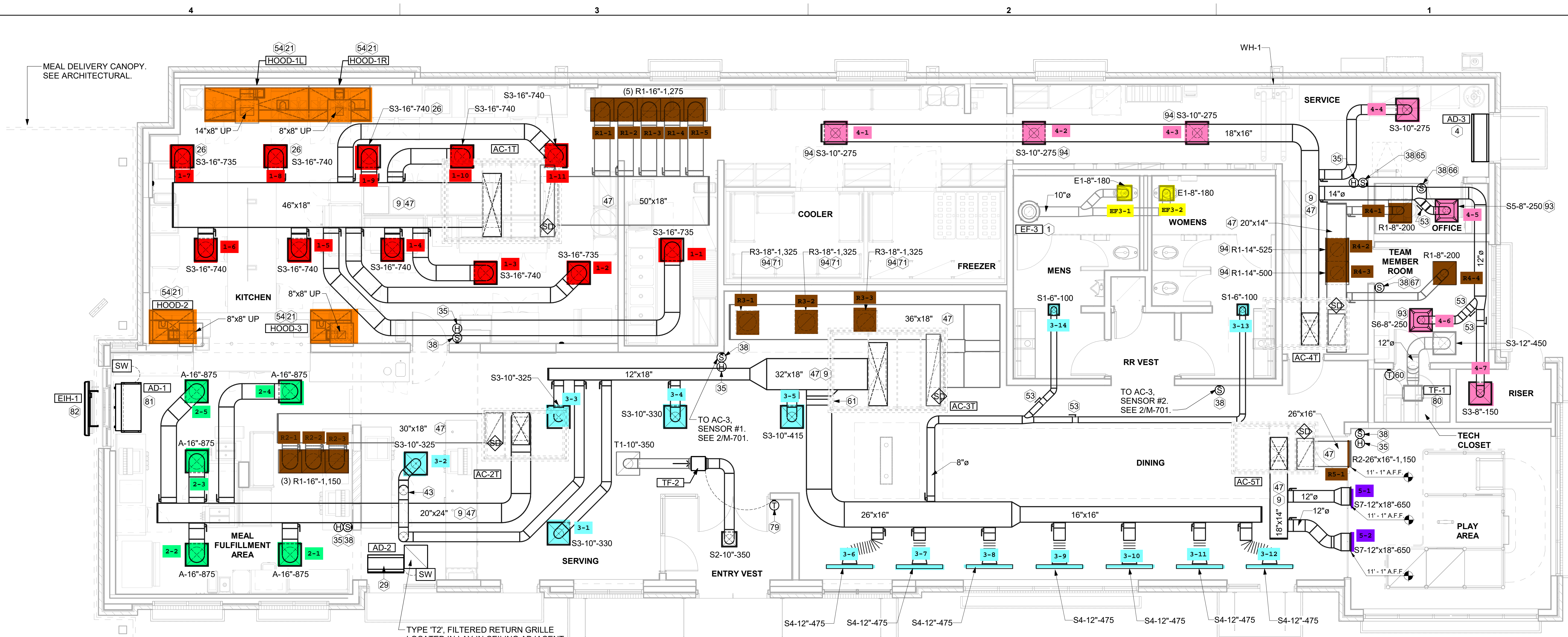


**CHICK-FIL-A**  
**FRANKLIN FSU**  
 2490 N MORTON ST  
 FRANKLIN, IN 46131

**FSR#05658**  
 BUILDING TYPE / SIZE: P14 LE BASE  
 RELEASE: 24.11  
 PRINTED FOR: CONSTRUCTION  
 REVISION SCHEDULE

CONSULTANT PROJECT # 25027.EH.S  
 DATE 03/21/2025  
 DRAWN BY BLM  
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 SHEET  
**EQUIPMENT AND DUCTWORK PLAN - TRANE**  
 SHEET NUMBER

**M-101T**

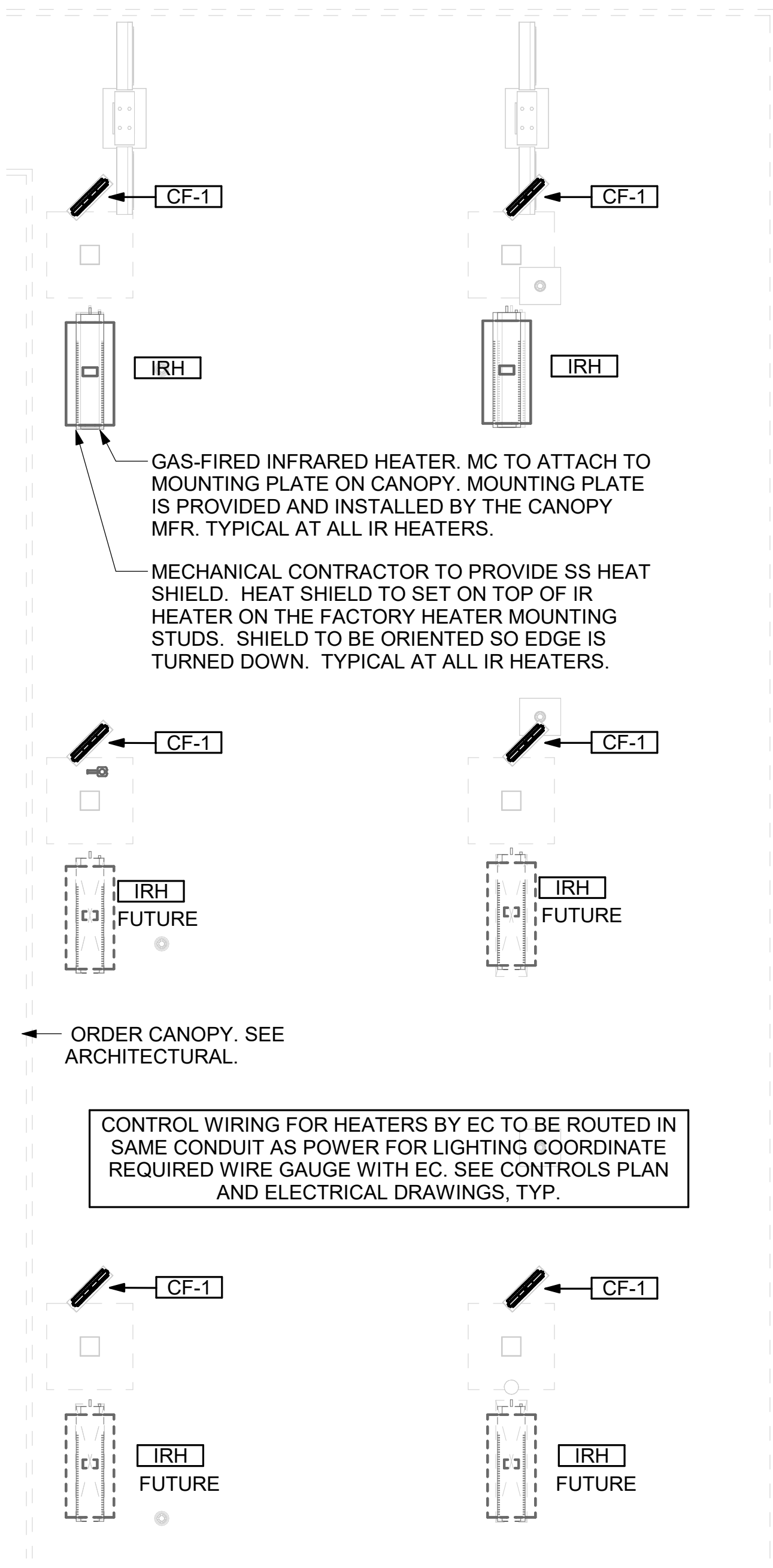


**1 EQUIPMENT AND DUCTWORK PLAN**  
 1/4" = 1'-0"

**KEY NOTES**

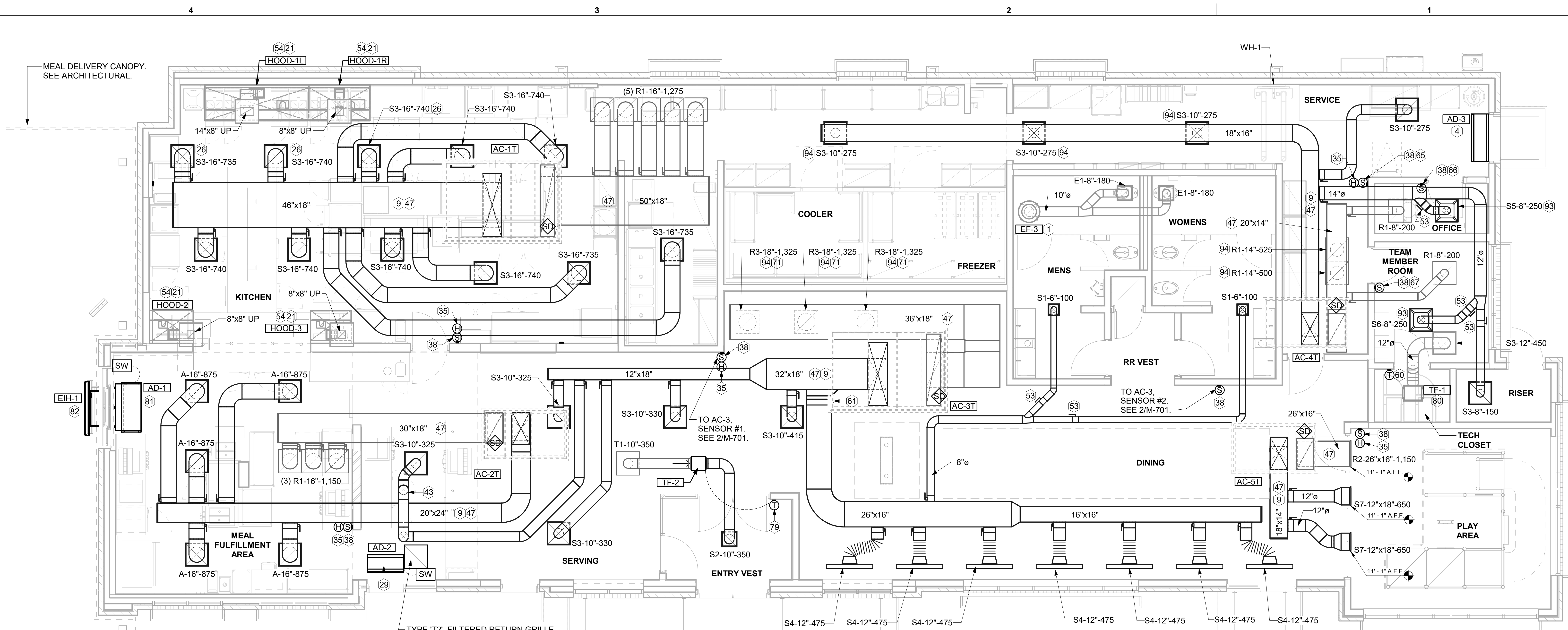
- 1 10" DIA. DUCT UP THRU ROOF.
- 4 AIR CURTAIN MOUNTED OVER DOOR HEADER AT 7'-2" AFF TO BOTTOM OF UNIT. PROVIDE BLOCKING IN WALL BEHIND AIR CURTAIN. USE FACTORY PRE-PUNCHED MOUNTING HOLES ON BACK SIDE OF AIR CURTAIN ONLY. ATTACH AIR CURTAIN TO WALL USING 3/8" LAG BOLTS. LENGTH AS REQUIRED TO FULLY PENETRATE BLOCKING. LOCATE MAGNETIC CONTACT TYPE MICROSWITCH IN DOOR FRAME ON STRIKE SIDE.
- 9 BRANCH TAKE-OFFS ARE NOT TO BE LOCATED CLOSER THAN 3'-0" FROM ANY OFFSET OR ELBOW INCLUDING THE SUPPLY AIR DROP FROM CURB.
- 21 HALTON KBD DAMPER AT HOOD COLLAR BY MECHANICAL CONTRACTOR. SEE HOOD ELEVATIONS ON M-201 FOR LOCATION.
- 26 MECHANICAL CONTRACTOR TO ADJUST PATTERN DEFLECTORS TO THROW STRAIGHT DOWN.
- 29 MOUNT AIR CURTAIN ABOVE CEILING. REFER TO SECTION ON SHEET M-301. LOCATE MAGNETIC CONTACT TYPE MICROSWITCH IN DOOR FRAME ON STRIKE SIDE.
- 35 MOUNT HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF.
- 38 MOUNT REMOTE SENSOR ON WALL AT 5'-0" AFF U.N.O. AND ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL. FOR SENSOR SERVING AC#1, COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT.
- 43 ROUTE DUCT WITHIN STRUCTURE.
- 47 TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. TRANSITION WITHIN CURB WHERE REQUIRED TO AVOID STRUCTURE. WHERE SUPPLY DUCT, PROVIDE ELBOWS WITH TURNING VANES. WHERE RETURN DUCT, NO TURNING VANES IN ELBOWS. HORIZONTAL DUCT MINIMUM 10" ABOVE CEILING TO BOTTOM OF DUCT.
- 53 RUSKIN MDRS25 MVD W/LOCKING QUADRANT HANDLE.
- 54 SEE ELEVATIONS ON M-201 FOR CJ FAN DUCTING REQUIREMENT.
- 60 MOUNT THERMOSTAT FOR TRANSFER FAN AT 4'-0" AFF.
- 61 PROVIDE RUSKIN CD35 MANUAL BALANCING DAMPER WITH 6" MAXIMUM BLADE WIDTH. OPPOSED BLADE ACTION. LOCKING QUADRANT HANDLE WITH 2" STANDOFF AND 16 GA GALVANIZED BLADE AND FRAME CONSTRUCTION.
- 65 TO AC#4, SENSOR #1. SEE 2/M-701.
- 66 TO AC#4, SENSOR #2. SEE 2/M-701.
- 67 TO AC#4, SENSOR #3. SEE 2/M-701.
- 71 CONTROL DAMPER SHALL BE INSTALLED FACING THE ACT CEILING FOR ACCESS.
- 79 PROVIDE 7 DAY PROGRAMMABLE THERMOSTAT, OCCUPIED/UNOCCUPIED TERMINALS. MOUNT THERMOSTAT ON WALL AT 4'-0" AFF. OCCUPIED SETPOINTS: 75 DEG. F COOLING, 69 DEG. F HEATING; UNOCCUPIED SETPOINTS: 85 DEG. F COOLING, 55 DEG. F HEATING.
- 80 CEILING MOUNTED RECIRCULATING FAN. DUCT AND DISCHARGE TO TYPE 'A' DIFFUSER AS SHOWN.
- 81 MOUNT AIR DOOR IN CEILING. CENTERED ON DRIVE-THRU/MFA DOOR OPENING. REFER TO WIRING DIAGRAM ON SHEET M-702 FOR MORE INFORMATION.
- 82 ELECTRIC HEATER. MC TO MOUNT ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
- 93 MAXIMUM HEATING AND COOLING AIRFLOWS INDICATED. SET MINIMUM AIRFLOW TO 25 CFM.
- 94 TAKE OFF WITH DAMPER AT THE BOTTOM OF DUCTWORK, TYP.

Mark	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	EXHAUST AIR	BUILDING POSITIVE PRESSURE
AC-1T	8,125	8,125	1,750	0	
AC-2T	4,375	3,450	925	0	
AC-3T	5,250	3,975	1,275	0	
AC-4T	1,750	1,425	325	0	
AC-5T	1,300	1,150	150	0	
EF-1	0	0	0	1,913	
EF-2	0	0	0	1,402	
EF-3	0	0	0	360	
	20,800	18,125	4,425	3,675	750



**2 MECHANICAL FLOOR PLAN - ORDER CANOPY**  
 1/4" = 1'-0"

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 30-LE-05658-M-101T-EQUIPMENT AND DUCTWORK PLAN - TRANE

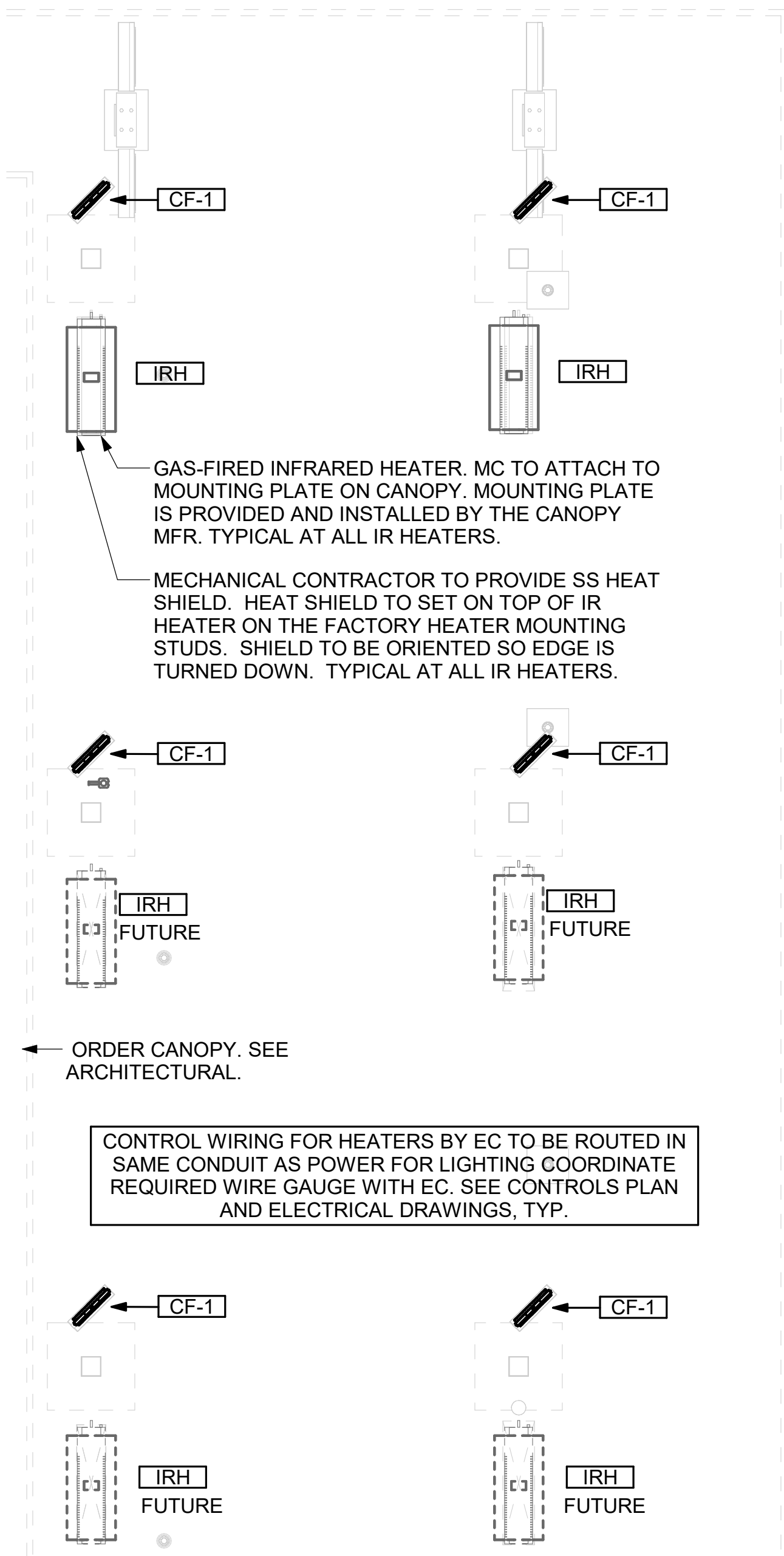


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AC-4T	1,750	1,425	325	0	
AC-5T	1,300	1,150	150	0	
EF-1	0	0	0	1,913	
EF-2	0	0	0	1,402	
EF-3	0	0	0	360	
	20,800	18,125	4,425	3,675	750

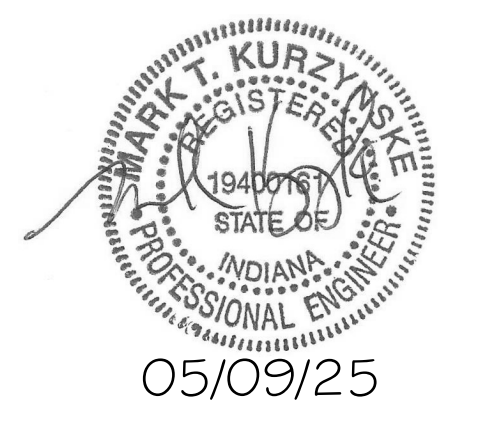


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**M-101T**

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**ROOFTOP UNIT SCHEDULE - TRANE**

MARK	MANUFACTURER	MODEL	EER/IEE R	SEER	TOTAL WEIGHT	SUPPLY (CFM)	OA (CFM)	HP	ESP (in-wg)	TOTAL COOLING MBH	SENSIBLE COOLING MBH	HEATING INPUT MBH	HEATING OUTPUT MBH	VOLTAGE (V)	PHASE	MCA (A)	MOCP (A)	REMARKS
AC-1T	TRANE	YSK300A3	9.8/13.0		2731.00 lb	8,125	1,750	6	0.8	274.9	195.3	400	324	208	3	124	150	1,3-15
AC-2T	TRANE	YSK150A3	10.8/14		1559.00 lb	4,375	925	4.6	0.8	148.3	98.9	250	202.5	208	3	73	100	1,3-15
AC-3T	TRANE	YSK180A3	10.8/14		2471.00 lb	5,250	1,275	6	0.8	189.4	117.8	400	324	208	3	85	110	1,3-15
AC-4T	TRANE	YHK060A3	13.0	17.1	1186.00 lb	1,750	325	3	0.8	62.6	39.9	150	121.5	208	3	34	45	2-15
AC-5T	TRANE	YHK048A3	13.0	17.1	1228.00 lb	1,300	150	3	0.8	47.3	32	130	105.3	208	3	38	50	1,3-15

NOTES

- MECHANICAL CONTRACTOR TO VERIFY TRANE SUBMITTAL WITH CONSTRUCTION DOCUMENTS. NATIONAL ACCOUNTS - NO SUBSTITUTIONS PERMITTED - SEE DRAWING G-004.

REMARKS

- DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
- DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC EXHAUST.
- 14" HIGH ROOF CURB.
- SEE DETAIL 2/M-702T FOR SETTING OF CONTROL PARAMETERS BY MC.
- FACTORY INSTALLED 115V GFI SERVICE OUTLET. SEPERATE 115V CIRCUIT PROVIDED BY ELECTRICAL CONTRACTOR.
- FACTORY INSTALLED RETURN AIR SMOKE DETECTOR.
- FACTORY INSTALLED NON-FUSED DISCONNECT.
- 2" MERV 8 THROW AWAY FILTERS.
- HINGED PANELS FOR ACCESS TO FILTER(S), FAN BLOWER & MOTOR, COMPRESSOR(S) ACCESS AND CONTROLS.
- FACTORY COIL HAIL GUARD, FIELD INSTALLED.
- HOT GAS DEHUMIDIFICATION OPTION WITH WALL MOUNTED HUMIDITY SENSOR.
- FACTORY HIGH FAULT SCRR (95K)
- FACTORY CONFIGURED PHASE LOSS PROTECTION.
- FACTORY INSTALLED CONDENSATE PAN DRAIN OVERFLOW SWITCH.
- FACTORY PROVIDED, FIELD INSTALLED FRESH AIR TEMPERING KIT.

**HOOD SCHEDULE**

MARK	MANUFACTURER	MODEL	EXHAUST CFM	SP @ TAB PORT (in-wg)	CAPTURE JET CFM & S.P.	TYPE	COLLAR SIZE	WIDTH	DEPTH	HEIGHT	REMARKS
HOOD-1L	HALTON	KVL-2 IC	1,204	0.13	80 @ 0.30"	BACKSHELF	14"x8"	107"	37"	38"	1
HOOD-1R	HALTON	KVL-2 IC	709	0.13	47 @ 0.30"	BACKSHELF	8"x8"	63"	37"	38"	1
HOOD-2	HALTON	KVL-C IC	701	0.3	30 @ 0.29"	BACKSHELF	8"x8"	45"	34"	38"	1
HOOD-3	HALTON	KVL-C IC	701	0.3	30 @ 0.29"	BACKSHELF	8"x8"	42"	34"	38"	1

NOTES

DIMENSIONS OF HOODS INCLUDE BACK AND SIDE SPACERS (HEIGHT DOES NOT INCLUDE CLOSURE PANELS). NATIONAL ACCOUNTS - NO SUBSTITUTIONS PERMITTED - SEE DRAWING G-004.

REMARKS

- REFER TO HOOD SHOP DRAWINGS FOR HOOD CONSTRUCTION AND OPTIONS. HOOD SHOP DRAWINGS ARE INCLUDED FOR REFERENCE ON SHEETS MH-1.1, MH-1.2, AND MH-1.3.

**HEATER SCHEDULE**

MARK	MANUFACTURER	MODEL	HEATING INPUT		FRAME LENGTH	FRAME WIDTH	FRAME DEPTH	MOUNTING TYPE	VOLTAGE (V)	PHASE	FLA (A)	MOCP (A)	REMARKS
			ELECTRIC (KW)	GAS (MBH)									
EIH-1	BROMIC	BH0420035	6.00	0.0	56"	8.5"	3.5"	WALL BRACKET	208	1	28.9	40	1, 2, 3, 4
IRH	SPACE-RAY	WB50	0.00	50.0	48"	13.4"	13.4"	BRACKET	120	1	0.4	20	1, 5, 6, 7

NOTES

- NATIONAL ACCOUNT NO SUBSTITUTIONS PERMITTED - SEE DRAWING G-004.
- CONFIRM HEATER QUANTITY WITH CANOPY SHOP DRAWINGS.

REMARKS

- STAINLESS STEEL LENS WITH BLACK EMISSIVE COATING.
- PROVIDE ENGRAVED PLASTIC LABEL AT EACH UNIT WITH UNIT DESIGNATION IN 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND.
- PROVIDE BLACK HEATER WITH HIGH TEMPERATURE COATING, AND MANUFACTURER MOUNTING BRACKETS.
- PROVIDE BROMIC WALL MOUNTED ELECTRIC HEATER MODEL: BH0420033 FOR 220-240V SITES.
- STEEL BURNER WITH CERAMIC BURNER TILES.
- PROVIDE ENGRAVED PLASTIC LABEL AT EACH UNIT WITH UNIT DESIGNATION IN 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND. MOUNT TO CANOPY DECK, FACING FORWARD, 12" Laterally FROM THE LONG SIDE OF THE HEATER.
- STAINLESS STEEL HEAT SHIELDS.

**FAN SCHEDULE**

MARK	AREA SERVED	MANUFACTURER	MODEL	TOTAL WEIGHT	FAN CFM	ESP (in-wg)	HP	MOTOR RPM	VOLTAGE (V)	PHASE	FLA (A)	MOCP (A)	REMARKS
CF-1	OUTDOOR CANOPY	TPI	U-18-TE-HD	20.00 lb	1,900	0.010	0.100	1,625	120	1	1.1	20	20,21,22
EF-1	HOOD#1	HALTON	KEFB-14-CFA	393.00 lb	1,913	0.750	0.750	1,620	115	1	13.8	25	1,2,3,4,5,6,7,8,9,10,11
EF-2	HOOD#2 & HOOD#3	HALTON	KEFB-14-CFA	393.00 lb	1,402	0.950	0.750	1,410	115	1	13.8	25	1,2,3,4,5,6,7,8,9,10,11
EF-3	RESTROOMS	ACCUREX	XRED-095-VG	49.00 lb	360	0.375	0.167	1,725	115	1	2.2	20	1,3,11,12,13,14,15,16
TF-1	TECH CLOSET	GREENHECK	SP-A510-VG	33.00 lb	450	0.300	0.127	1,144	120	1	2.5	20	1,17, 18, 19
TF-2	VESTIBULE	ACCUREX	XID-7-VG	41.00 lb	350	0.300	0.167	1,725	115	1	1.3	20	1,17,20

NOTES

- NATIONAL ACCOUNT - NO SUBSTITUTIONS PERMITTED.

REMARKS

- FANS SUPPLIED BY HALTON. PURCHASED BY OWNER. WIRING DIAGRAMS PROVIDED BY HALTON.
- U.L. 705 LISTED AND LABELED FOR RESTAURANT APPLICATIONS.
- FACTORY INSTALLED PREWIRED DISCONNECT SWITCH.
- 22" HIGH ROOF CURB.
- INSTALL ROOFTOP SOLUTIONS G2 DRIP GUARD. MECHANICAL CONTRACTOR TO CONTACT ROOFTOP SOLUTIONS AT 800-913-7034.
- FACTORY WEATHER HOUSING W/ HINGED ACCESS DOOR.
- FACTORY DRAIN CONNECTION.
- FACTORY BOLTED ACCESS DOOR ON SCROLL.
- FACTORY INSTALLED BELT DRIVE WITH ADJUSTABLE MOTOR SHEAVE, SPARE BELT, AND BELT TENSIONER.
- FACTORY INSTALLED OUTLET WITH QUICK RELEASE, HINGED ACCESS, AND GRAVITY BACKDRAFT DAMPER.
- INTEGRAL THERMAL OVERLOAD.
- BIRDSCREEN.
- BACKDRAFT DAMPER IN DUCT BY MECHANICAL CONTRACTOR AS SHOWN ON 5/M-501.
- STARTER BY ELECTRICAL CONTRACTOR. INTERLOCK WITH LIGHTS BY ELECTRICAL CONTRACTOR.
- 12" HIGH CURB.
- FACTORY INSTALLED AND WIRED SPEED CONTROLLER.
- PROVIDE NEMA 1 PREWIRED DISCONNECT.
- INTEGRAL POTENTIOMETER ON FAN MOTOR. SET TO FULL SPEED.
- PROVIDE THERMOSTAT THERMOSTAT / TEMPERATURE CONTROLLER. SET TO 76°F.
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE WITH ON/OFF SWITCH.
- FAN SUPPLIED BY TOM BARROW OR POWERS OF ARKANSAS FOR SOUTHWEST REGION.

**AIR DOOR SCHEDULE**

MARK	AREA SERVED	MANUFACTURER	MODEL	CFM	VELOCITY (FPM)	HEATING (KW)	MOTOR HP	MCA (A)	MOCP (A)	VOLTAGE (V)	PHASE	REMARKS
AD-1	DRIVE THRU	POWERED AIRE	CHA-1-48E	1,543	2,338	10	0.75	31.4	40	208	3	1,2,3,5
AD-2	SERVING	POWERED AIRE	ETA-1-36E	1,197	2,443	10	0.75	31.4	40	208	3	1,2,3,4,6
AD-3	REAR DOOR	POWERED AIRE	RBT-1-48	3,867	4,218	0	0.75	8	20	120	1	4

NOTES

- NATIONAL ACCOUNT - NO SUBSTITUTIONS PERMITTED - SEE DRAWING G-004

REMARKS

- FACTORY PROVIDED, WIRED, AND UNIT MOUNTED SPEED CONTROLLER ABOVE CEILING.
- FACTORY WIRED DISCONNECT.
- FACTORY PROVIDED, FIELD INSTALLED BY MC. REMOTE WALL SWITCHES FOR HEATING ON/OFF AND FAN ON/AUTO SWITCH. SEE DETAILS ON M-702.
- FACTORY PROVIDED MAGNETIC DOOR CONTACT WITH FACTORY INSTALLED LOW VOLTAGE CONTROLS LOCATED IN AIR DOOR CABINET.
- PROVIDE WITH A DIVERTER BOX. PROVIDE WITH MOUNTING BRACKETS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE WITH NOZZLE EXTENSION, SEE DETAIL 3/M-301.

**AIR DEVICE SCHEDULE**

MARK	LOCATION	DESCRIPTION	NECK SIZE	FACE SIZE	FRAME TYPE	REMARKS
E1	RESTROOMS	PRICE MODEL APDDR ALUMINUM PERFORATED FACE RETURN AIR GRILLE.	12"x12"	16"x16"	LAY-IN	1,3,4,9
R1	KITCHEN / MFA / BOH	PRICE MODEL 80 EGGGRATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	VARIES	24"x24"	LAY-IN	1,5,6
R2	PLAY	PRICE MODEL 21 ALUMINUM SIDEWALL RETURN GRILLE, FRONT BLADE PARALLEL TO LONG SIDE.	24"x14"	26"x16"	SURFACE	1
R3	DINING	PRICE MODEL 80 EGGGRATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	18"	24"x24"	LAY-IN	1,5,6,10
S1	RESTROOMS	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	6"	12"x12"	LAY-IN	1,2,4,6,10
S2	VESTIBULE	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	VARIES	16"x16"	LAY-IN	1,2,4,6,10
S3	DINING / KITCHEN / MFA/BOH/PLAY	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	VARIES	24"x24"	LAY-IN	1,2,6
S4	DINING	PRICE MODEL TBDI2150 T-BAR SUPPLY DIFFUSERS	12"	48"x5"	LAY-IN	1,8
S5	OFFICE	PRICE MODEL VARITHERM PLAQUE DIFFUSER	8"	24"x24"	LAY-IN	1,6,7
S6	TEAM MEMBERS	PRICE MODEL VARITHERM PLAQUE DIFFUSER	8"	24"x24"	LAY-IN	1,6,7
S7	PLAY	PRICE MODEL 22 DOUBLE DEFLECTION ALUMINUM SIDEWALL SUPPLY GRILLE, FRONT BLADE PARALLEL TO LONG SIDE.	16"x10"	18"x12"	SURFACE	1
T1	VESTIBULE	PRICE MODEL 80 EGGGRATE TRANSFER AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	10"	24"x24"	LAY-IN	1,5,6
T2	SERVING	PRICE MODEL 80FF STEEL FILTER RETURN AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	18"	24"x24"	LAY-IN	1,5,6

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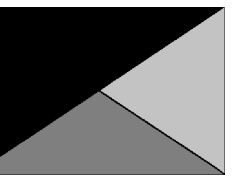
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REMARKS

- STANDARD OFF WHITE FINISH.
- PROVIDE 4-WAY BLOW UNLESS OTHERWISE NOTED. REFER TO M-101(L/T) FOR THROW.
- PROVIDE MODEL VCR7 NECK DAMPER ON GRILLES IN RESTROOMS SERVING EXHAUST FAN.
- PROVIDE BACKPAN. MC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.
- PROVIDE SQUARE TO ROUND ADAPTOR.
- FACTORY INSULATED R-8 BACKPAN.
- PROVIDE RELIEF COLLAR ACCESSORY FOR VAV DIFFUSER.
- PROVIDE 2 SLOTS. CENTER NOTCH, AND ONE WAY DISCHARGE.
- FIELD INSULATE BACKPAN AS SHOWN ON DETAIL 1/M-501.
- PROVIDE ALUMINUM PLASTER FRAME.



**Chick-fil-A**  
5200 Buffington Road  
Atlanta, Georgia  
30349-2998



**Kurzynske & Associates**  
2705 Lebanon Pike - Suite One  
Nashville, Tennessee 37214  
Telephone: (615) 255-5203



**CHICK-FIL-A**  
**FRANKLIN FSU**

2490 N MORTON ST  
FRANKLIN, IN 46131

**FSR#05658**

BUILDING TYPE / SIZE: P14 LE BASE  
RELEASE: 24.11  
PRINTED FOR: CONSTRUCTION  
**REVISION SCHEDULE**

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT # 25027.EH.S  
DATE 03/21/2025  
DRAWN BY BLM

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SHEET  
EQUIPMENT SCHEDULES  
- TRANE

SHEET NUMBER

**M-601T**

### VENTILATION SCHEDULE

General			Ventilation											Exhaust											
Room #	Room Name	Area Az ft2	People			Area					Breathing Zone Outdoor Airflow CFM Vbz	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow CFM Voz	Primary Zone Airflow CFM Vpz	Primary Outdoor Air Fraction Zp	Actual Outdoor Airflow CFM	Area			Toilet			Served by		
			Occupant Density People/1,000 ft2	Occupants Pz	Outdoor Airflow Rate CFM/Person Rp	Outdoor Airflow CFM Pz x Rp	Outdoor Airflow Rate CFM/Ra	Outdoor Airflow CFM Az x Ra	Outdoor Airflow CFM Ra	Required Exhaust Rate CFM/Rt2							Total Required Exhaust CFM	Exhaust Control/Operation	Fixture Exhaust Rate CFM/Fixture	Required Fixture Exhaust CFM	Actual Exhaust CFM	Supply	Exhaust		
1	Kitchen	876	20	18	7.5	135	0.12	105	240	0.8	301	7,390	0.04	1,578	0.70	614	-	-	-	-	-	-	3,315	AC-1L / AC-1T	EF-1 / EF-2
2	Kitchen (Dish Washing)	126	15	2	7.5	15	0.18	23	38	0.8	48	735	0.07	172	-	-	-	-	-	-	-	-	-	AC-1L / AC-1T	-
<b>Total Area 1,002</b>								<b>Total Vbz 278</b>	<b>Total Supply Airflow 8,125</b>					<b>1,750</b>	<b>Actual Outdoor Airflow</b>										
								<b>Diversity (D) 1.00</b>	<b>Maximum Zp 0.07</b>																
								<b>Uncorrected Outdoor Air Intake (Vou) 278</b>	<b>System Ventilation Efficiency (Ev) 1.00</b>																
								<b>Required Outdoor Air Intake (CFM) 278</b>																	

### VENTILATION SCHEDULE

General			Ventilation											Exhaust											
Room #	Room Name	Area Az ft2	People			Area					Breathing Zone Outdoor Airflow CFM Vbz	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow CFM Voz	Primary Zone Airflow CFM Vpz	Primary Outdoor Air Fraction Zp	Actual Outdoor Airflow CFM	Area			Toilet			Served by		
			Occupant Density People/1,000 ft2	Occupants Pz	Outdoor Airflow Rate CFM/Person Rp	Outdoor Airflow CFM Pz x Rp	Outdoor Airflow Rate CFM/Ra	Outdoor Airflow CFM Az x Ra	Outdoor Airflow CFM Ra	Required Exhaust Rate CFM/Rt2							Total Required Exhaust CFM	Exhaust Control/Operation	Fixture Exhaust Rate CFM/Fixture	Required Fixture Exhaust CFM	Actual Exhaust CFM	Supply	Exhaust		
1	Meal Fulfillment Area	430	15	7	7.5	52.5	0.12	62	105	0.8	131	4,375	0.03	925	-	-	-	-	-	-	-	-	-	AC-2L / AC-2T	-
<b>Total Area 430</b>								<b>Total Vbz 105</b>	<b>Total Supply Airflow 4,375</b>					<b>925</b>	<b>Actual Outdoor Airflow</b>										
								<b>Diversity (D) 1.00</b>	<b>Maximum Zp 0.03</b>																
								<b>Uncorrected Outdoor Air Intake (Vou) 105</b>	<b>System Ventilation Efficiency (Ev) 1.00</b>																
								<b>Required Outdoor Air Intake (CFM) 129</b>																	

### VENTILATION SCHEDULE

General			Ventilation											Exhaust											
Room #	Room Name	Area Az ft2	People			Area					Breathing Zone Outdoor Airflow CFM Vbz	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow CFM Voz	Primary Zone Airflow CFM Vpz	Primary Outdoor Air Fraction Zp	Actual Outdoor Airflow CFM	Area			Toilet			Served by		
			Occupant Density People/1,000 ft2	Occupants Pz	Outdoor Airflow Rate CFM/Person Rp	Outdoor Airflow CFM Pz x Rp	Outdoor Airflow Rate CFM/Ra	Outdoor Airflow CFM Az x Ra	Outdoor Airflow CFM Ra	Required Exhaust Rate CFM/Rt2							Total Required Exhaust CFM	Exhaust Control/Operation	Fixture Exhaust Rate CFM/Fixture	Required Fixture Exhaust CFM	Actual Exhaust CFM	Supply	Exhaust		
1	Dining	1,084	100	108	7.5	810	0.18	195	1,005	0.8	1,256	4,020	0.31	976	-	-	-	-	-	-	-	-	-	AC-3L / AC-3T	-
2	Serving	515	15	8	7.5	60	0.12	62	122	0.8	153	980	0.16	239	-	-	-	-	-	-	-	-	-	AC-3L / AC-3T	-
3	Men's RR	162	-	-	-	-	-	-	-	0.8	-	100	-	24	-	-	Continuous	50	150	180	-	-	-	AC-3L / AC-3T	EF-3
4	Women's RR	172	-	-	-	-	-	-	-	0.8	-	100	-	24	-	-	Continuous	50	150	180	-	-	-	AC-3L / AC-3T	EF-3
5	RR Vestibule	32	-	-	-	-	0.06	2	2	0.8	3	50	0.05	12	-	-	-	-	-	-	-	-	-	AC-3L / AC-3T	-
<b>Total Area 1,964</b>								<b>Total Vbz 1,129</b>	<b>Total Supply Airflow 5,250</b>					<b>1,275</b>	<b>Actual Outdoor Airflow</b>										
								<b>Diversity (D) 0.83</b>	<b>Maximum Zp 0.31</b>																
								<b>Uncorrected Outdoor Air Intake (Vou) 991</b>	<b>System Ventilation Efficiency (Ev) 0.80</b>																
								<b>Required Outdoor Air Intake (CFM) 1,239</b>																	

### VENTILATION SCHEDULE

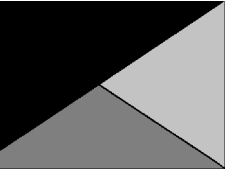
General			Ventilation											Exhaust											
Room #	Room Name	Area Az ft2	People			Area					Breathing Zone Outdoor Airflow CFM Vbz	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow CFM Voz	Primary Zone Airflow CFM Vpz	Primary Outdoor Air Fraction Zp	Actual Outdoor Airflow CFM	Area			Toilet			Served by		
			Occupant Density People/1,000 ft2	Occupants Pz	Outdoor Airflow Rate CFM/Person Rp	Outdoor Airflow CFM Pz x Rp	Outdoor Airflow Rate CFM/Ra	Outdoor Airflow CFM Az x Ra	Outdoor Airflow CFM Ra	Required Exhaust Rate CFM/Rt2							Total Required Exhaust CFM	Exhaust Control/Operation	Fixture Exhaust Rate CFM/Fixture	Required Fixture Exhaust CFM	Actual Exhaust CFM	Supply	Exhaust		
1	Team Member Room	106	50	6	5	30	0.06	6	36	0.8	46	250	0.19	46	-	-	-	-	-	-	-	-	-	AC-4L / AC-4T	-
2	Service	880	-	-	-	-	0.12	106	106	0.8	132	1,100	0.12	205	-	-	-	-	-	-	-	-	-	AC-4L / AC-4T	-
3	Riser	37	-	-	-	-	0.12	4	4	0.8	6	150	0.04	28	-	-	-	-	-	-	-	-	-	AC-4L / AC-4T	-
4	Office	41	5	1	5	5	0.06	2	7	0.8	10	250	0.04	46	-	-	-	-	-	-	-	-	-	AC-4L / AC-4T	-
<b>Total Area 1,064</b>								<b>Total Vbz 154</b>	<b>Total Supply Airflow 1,750</b>					<b>325</b>	<b>Actual Outdoor Airflow</b>										
								<b>Diversity (D) 1.00</b>	<b>Maximum Zp 0.19</b>																
								<b>Uncorrected Outdoor Air Intake (Vou) 154</b>	<b>System Ventilation Efficiency (Ev) 0.90</b>																
								<b>Required Outdoor Air Intake (CFM) 170</b>																	

### VENTILATION SCHEDULE

General			Ventilation											Exhaust											
Room #	Room Name	Area Az ft2	People			Area					Breathing Zone Outdoor Airflow CFM Vbz	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow CFM Voz	Primary Zone Airflow CFM Vpz	Primary Outdoor Air Fraction Zp	Actual Outdoor Airflow CFM	Area			Toilet			Served by		
			Occupant Density People/1,000 ft2	Occupants Pz	Outdoor Airflow Rate CFM/Person Rp	Outdoor Airflow CFM Pz x Rp	Outdoor Airflow Rate CFM/Ra	Outdoor Airflow CFM Az x Ra	Outdoor Airflow CFM Ra	Required Exhaust Rate CFM/Rt2							Total Required Exhaust CFM	Exhaust Control/Operation	Fixture Exhaust Rate CFM/Fixture	Required Fixture Exhaust CFM	Actual Exhaust CFM	Supply	Exhaust		
1	Play	254	7	2	20	40	0.18	46	86	0.8	108	1,300	0.08	150	-	-	-	-	-	-	-	-	-	AC-5L / AC-5T	-
<b>Total Area 254</b>								<b>Total Vbz 86</b>	<b>Total Supply Airflow 1,300</b>					<b>150</b>	<b>Actual Outdoor Airflow</b>										
								<b>Diversity (D) 1.00</b>	<b>Maximum Zp 0.08</b>																
								<b>Uncorrected Outdoor Air Intake (Vou) 86</b>	<b>System Ventilation Efficiency (Ev) 1.00</b>																
								<b>Required Outdoor Air Intake (CFM) 85</b>																	



**Chick-fil-A**  
5200 Buffington Road  
Atlanta, Georgia  
30349-2998



**Kurzynske & Associates**  
2705 Lebanon Pike - Suite One  
Nashville, Tennessee 37214  
Telephone: (615) 255-5203



05/09/25

**CHICK-FIL-A**  
**FRANKLIN FSU**  
2490 N MORTON ST  
FRANKLIN, IN 46131

**FSR#05658**

BUILDING TYPE / SIZE: P14 LE BASE  
RELEASE: 24.11  
PRINTED FOR:  
CONSTRUCTION  
REVISION SCHEDULE

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT # 25027.EH.S  
DATE 03/21/2025  
DRAWN BY BLM

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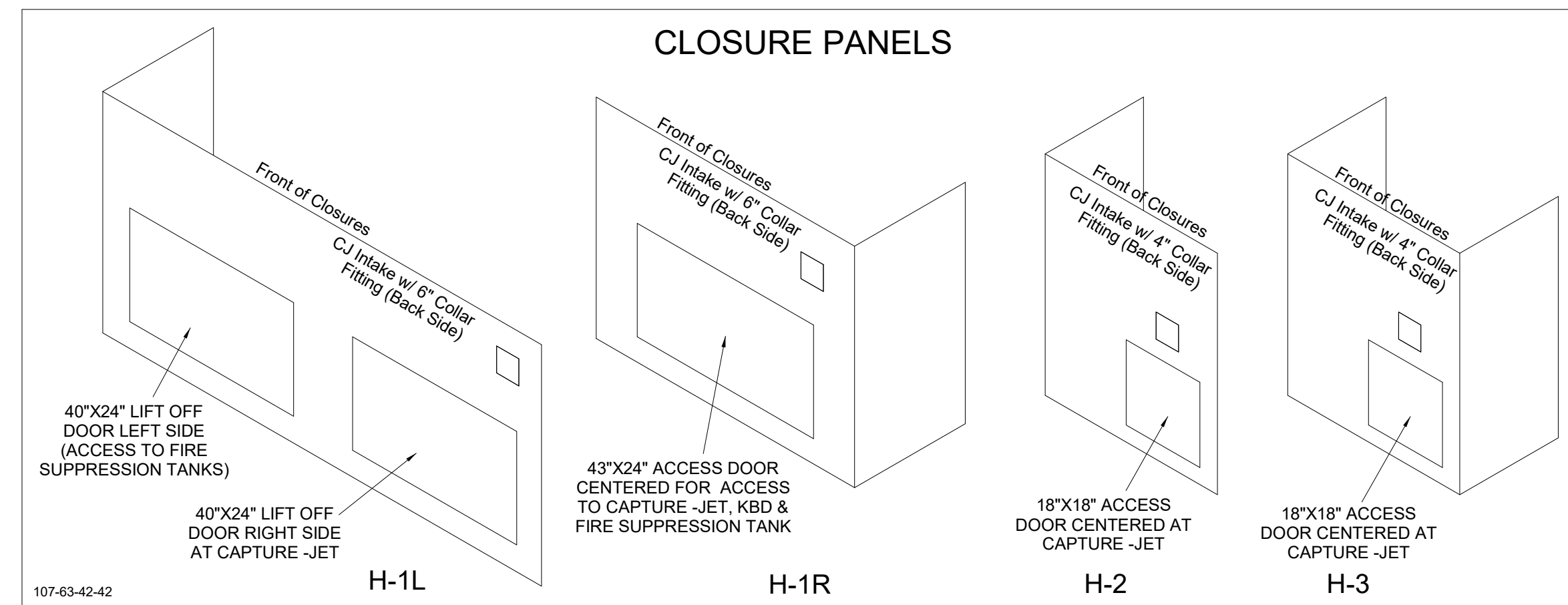
SHEET VENTILATION SCHEDULES

SHEET NUMBER

**M-602**

HOOD MODEL	HOOD NUMBER	EXHAUST COLLAR			EXHAUST AIR INFORMATION			CAPTURE AIR INFORMATION		S.S. KSA FILTERS		LED LIGHTS	QTY	CEILING CLOSURES		KBD DAMPER	K FACTOR (CFM = K FACTOR * √DP)	MATERIAL
		QTY	LENGTH	WIDTH	CFM	TAB	SP	CFM	SP	FULL	HALF			CLOSURE HEIGHT	CEILING HEIGHT			
KVL-2-IC	H-1L	1	14"	8"	1204	0.13"	0.22"	80	0.30"	5	-	3	2	51"	122"	*	3369	ALL 18 GA 430 S.S.
KVL-2-IC	H-1R	1	8"	8"	709	0.13"	0.23"	47	0.30"	3	-	2	2					
KVL-C-IC	H-2	1	8"	8"	701	0.30"	0.39"	30	0.29"	2	-	1	2					
KVL-C-IC	H-3	1	8"	8"	701	0.30"	0.39"	30	0.29"	2	-	1	3					

**FOR REFERENCE ONLY**

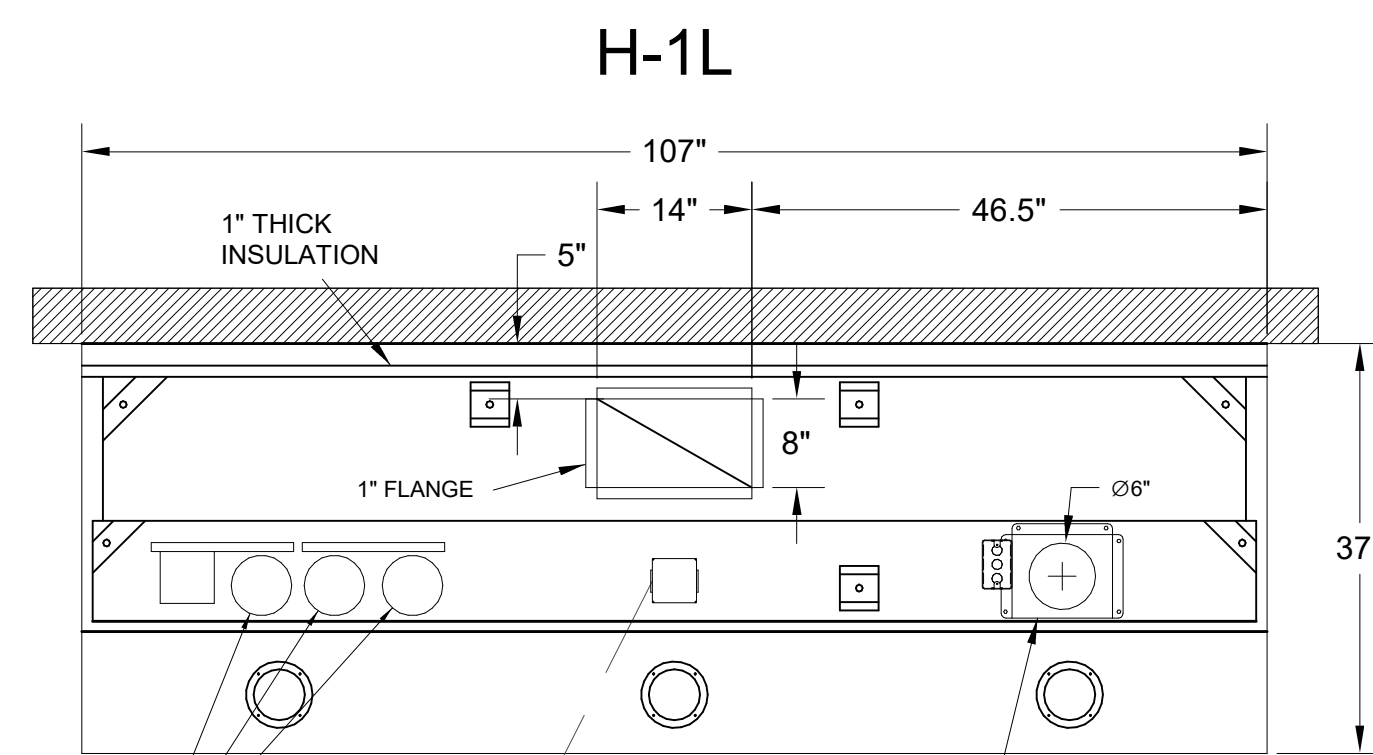
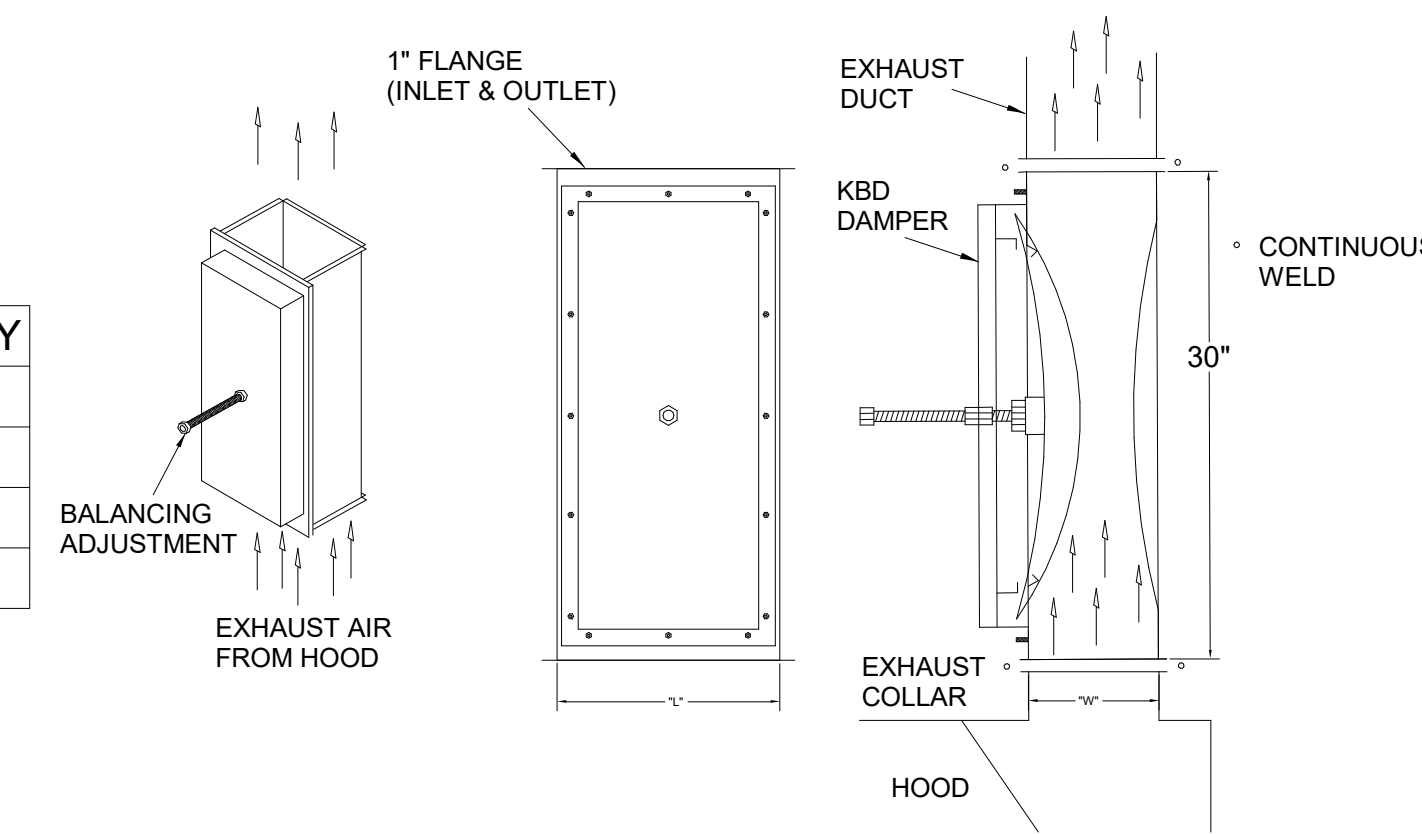


**MODEL:KBD  
CALIBRATED KBDs  
KITCHEN BALANCING DAMPER**

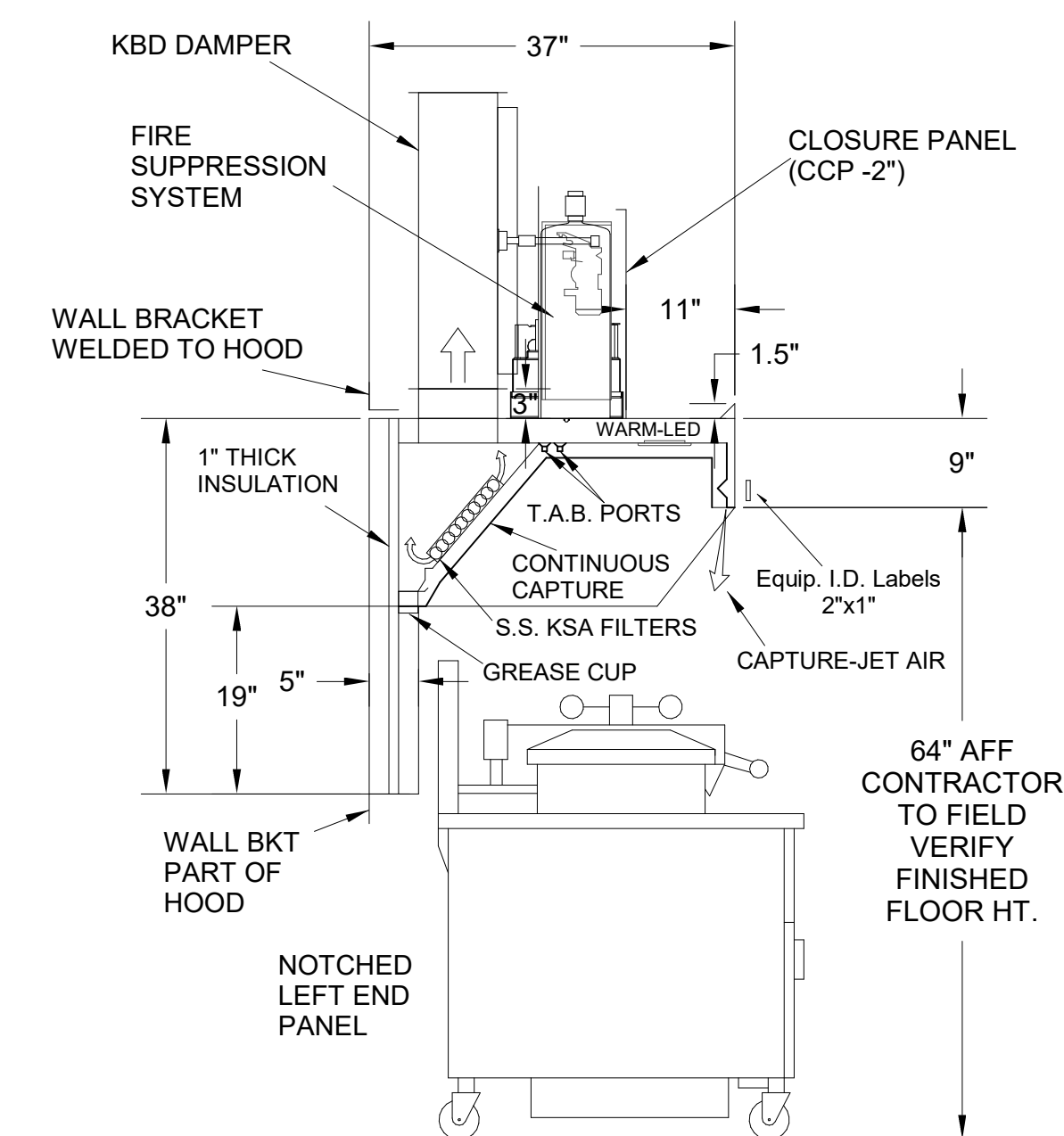
EXHAUST VOLUME DAMPER

TAG	"L"	"W"	QUANTITY
H-1L	14"	8"	1
H-1R	8"	8"	1
H-2	8"	8"	1
H-3	8"	8"	1

MATERIAL: FRAME - 16GA CONT.  
GALV. ADJUSTABLE PANEL 18GA S.S.

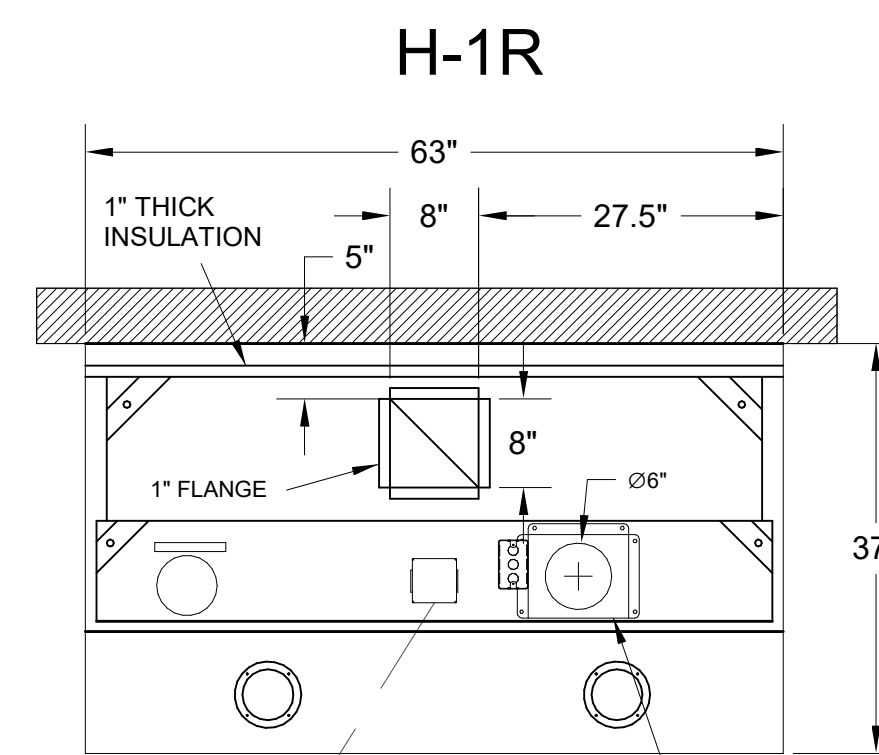
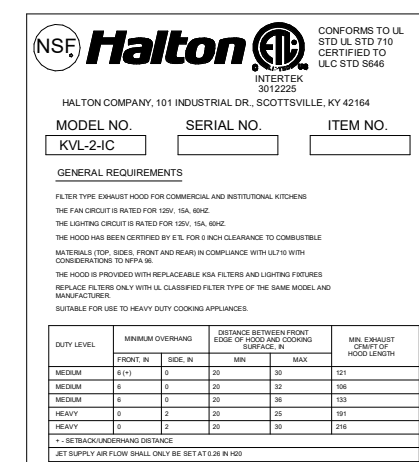


PLAN VIEW

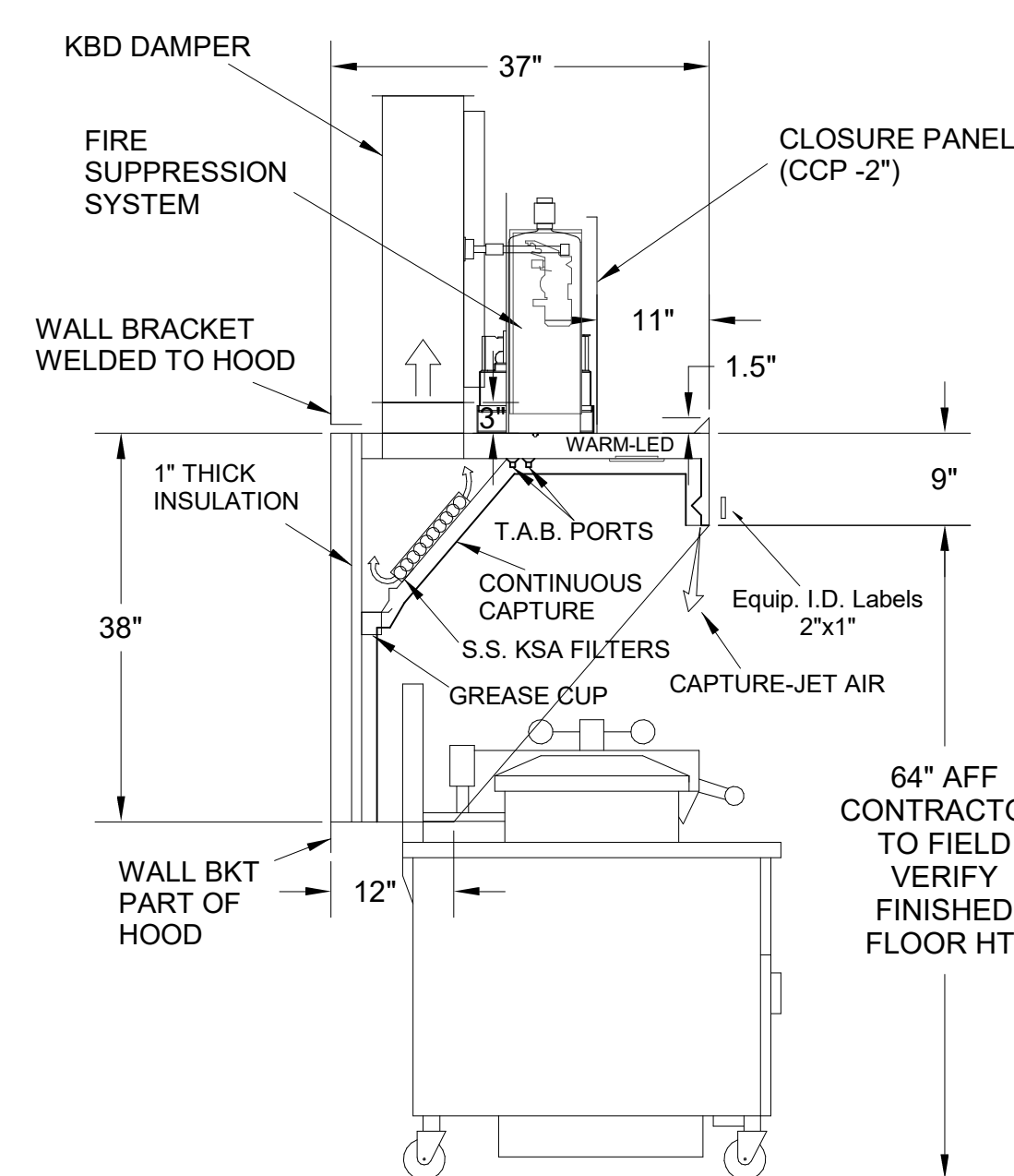


H-1L SECTION VIEW

- CEILING CLOSURE RECESSED 11" FROM FRONT TO CREATE SHELF
- FRONT CLOSURE PANEL WITH 40"x24" LIFT OUT DOOR LEFT SIDE (ACCESS TO FIRE SUPPRESSION)
- 40"x24" LIFT DOOR RIGHT SIDE AT CAPTURE-JET WITH FRONT CJ INTAKE
- CONTINUOUS CAPTURE INTERNAL RIGHT END CUTOUT
- 3" REAR STAND-OFF TO HAVE 1" THICK INSULATION
- NOTCHED LEFT END PANEL
- GREASE CUP RIGHT END
- ANSUL WEIGHT = 328 LBS
- AMEREX WEIGHT = 264 LBS

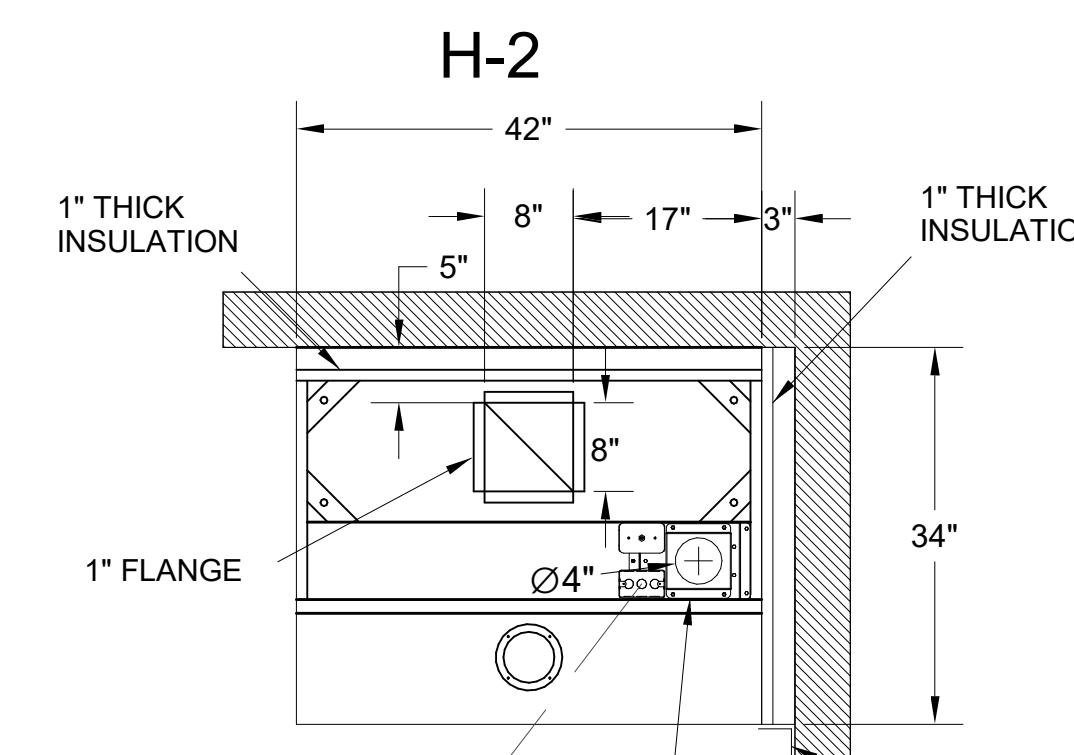
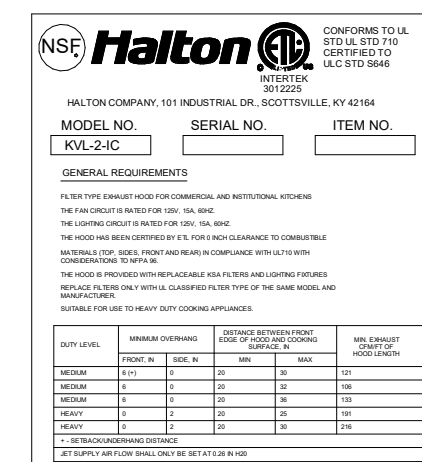


PLAN VIEW

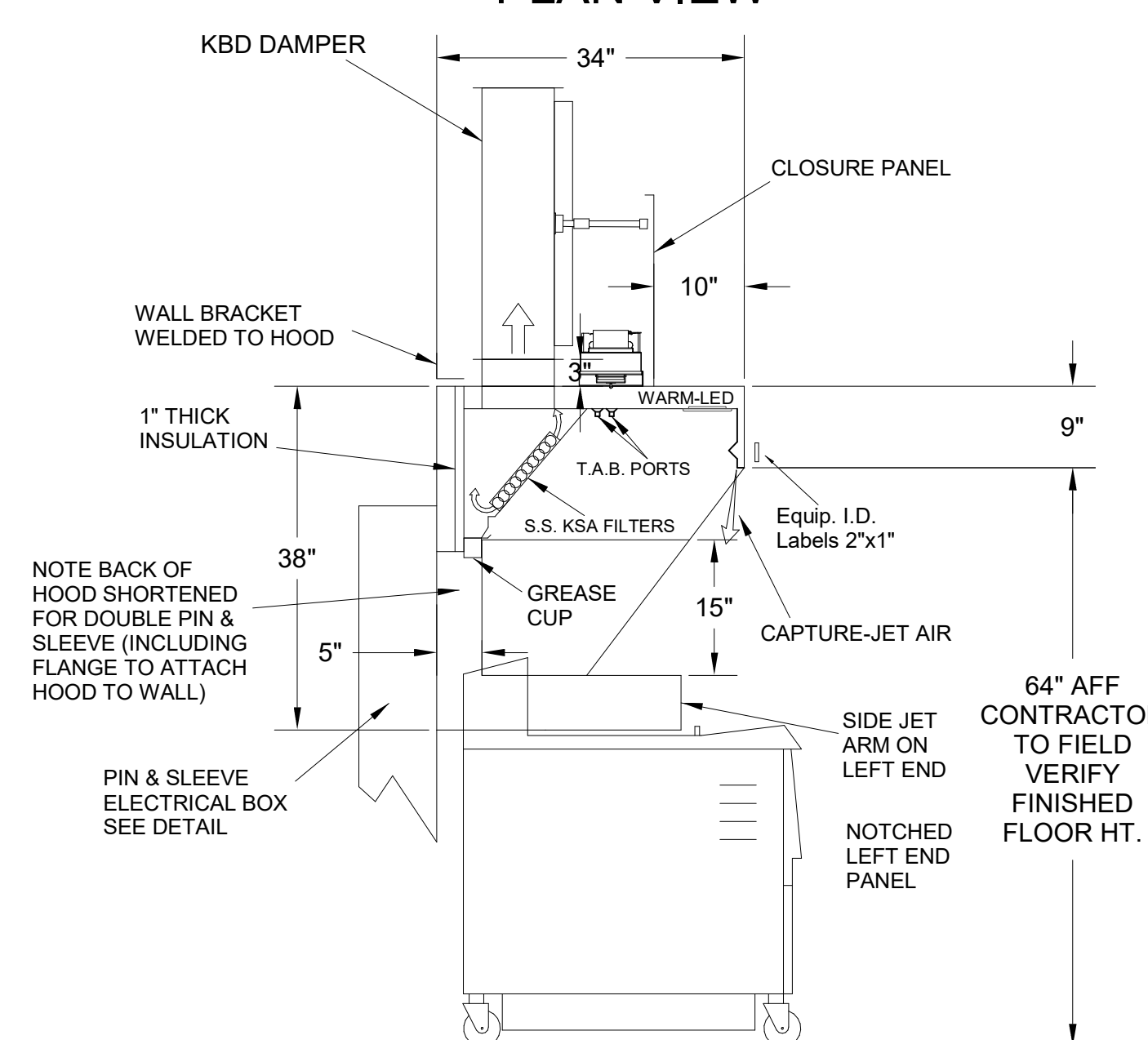


H-1R SECTION VIEW

- CEILING CLOSURE RECESSED 11" FROM FRONT TO CREATE SHELF
- FRONT CLOSURE PANEL WITH 43"x24" ACCESS DOOR FOR ACCESS TO CAPTURE-JET AND FIRE SUPPRESSION
- CONTINUOUS CAPTURE INTERNAL LEFT END CUTOUT
- 3" REAR STAND-OFF TO HAVE 1" THICK INSULATION
- GREASE CUP RIGHT END

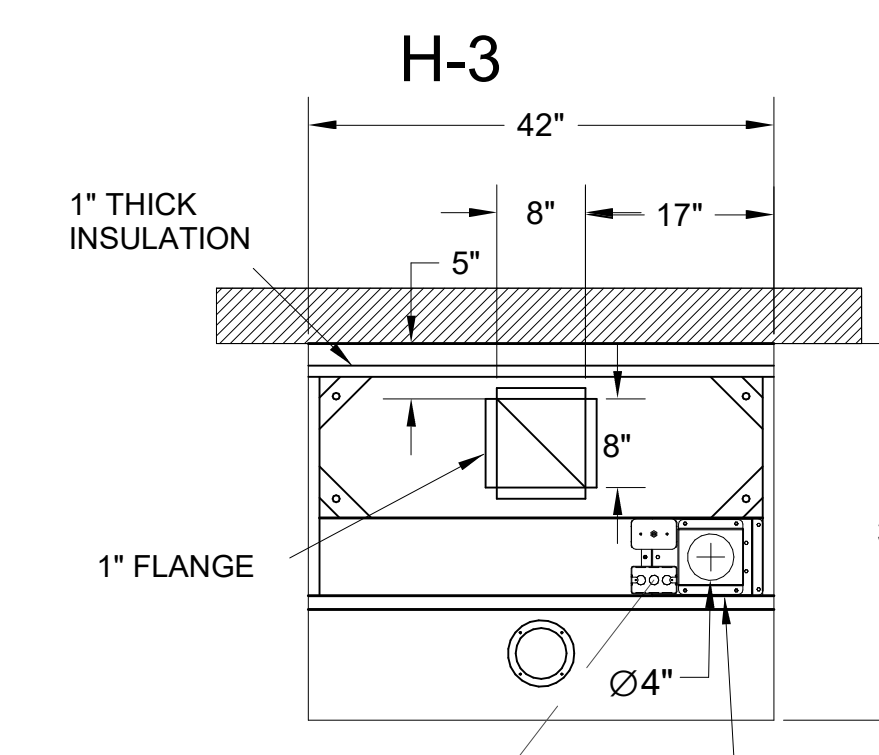
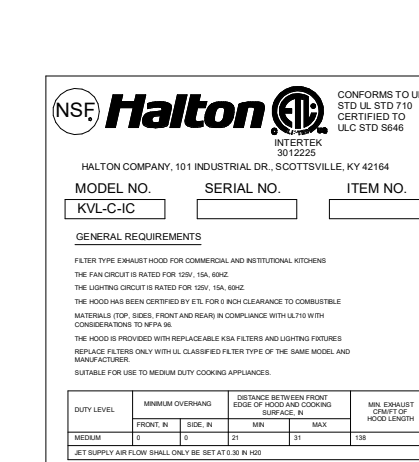


PLAN VIEW

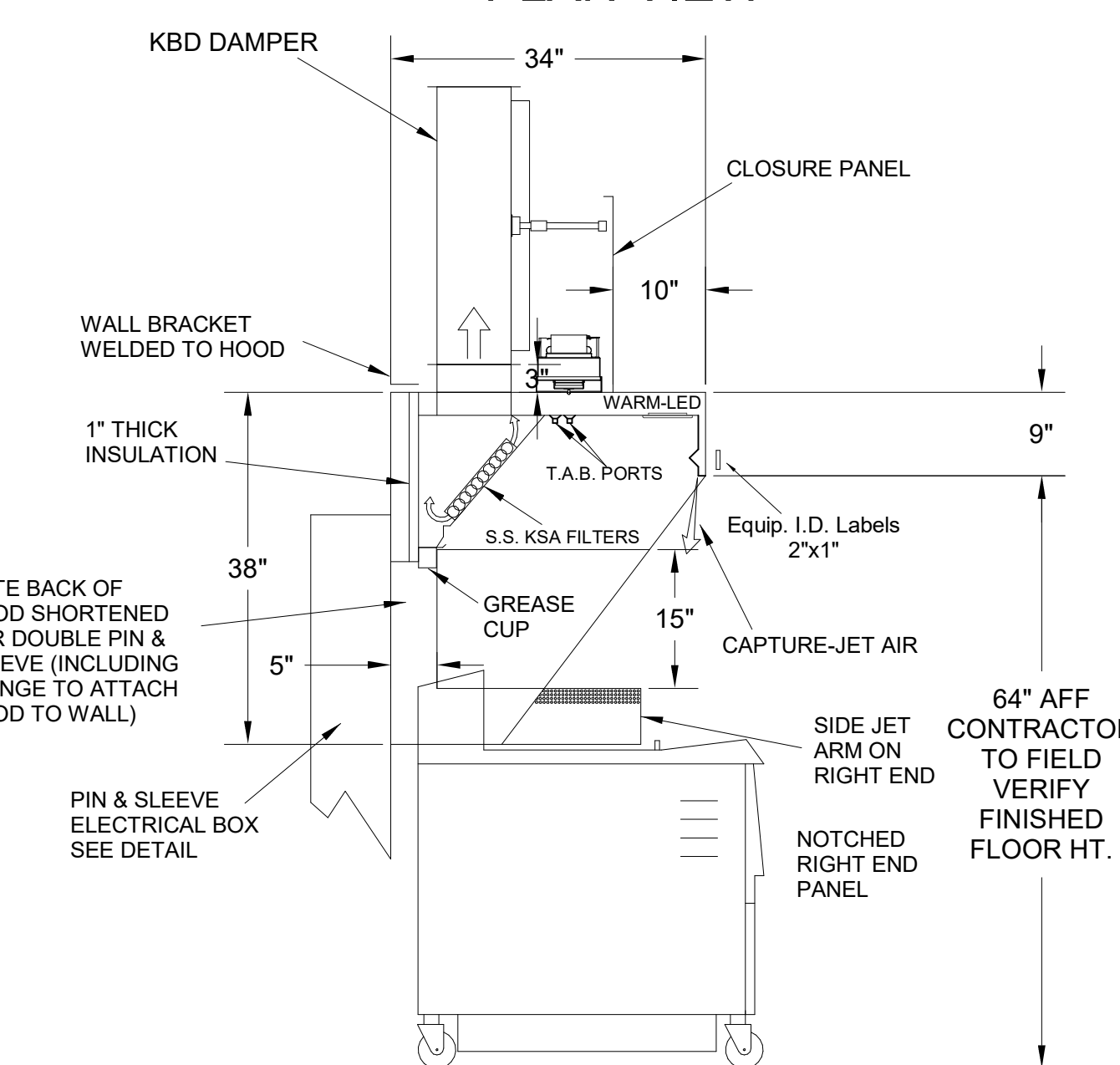


H-2 SECTION VIEW

- CEILING CLOSURE RECESSED 10" FROM FRONT TO CREATE SHELF
- 18"x18" ACCESS DOOR CENTERED AT CAPTURE-JET WITH FRONT CJ INTAKE
- NOTCHED LEFT END PANEL
- DOUBLE RECEPTACLE PIN & SLEEVE
- 3"x3" TRIM STRIP FOR STANDOFF ON RIGHT END
- 3" SIDE & REAR STAND-OFF TO HAVE 1" THICK INSULATION
- GREASE CUP RIGHT END



PLAN VIEW



H-3 SECTION VIEW

- CEILING CLOSURE RECESSED 10" FROM FRONT TO CREATE SHELF
- 18"x18" ACCESS DOOR CENTERED AT CAPTURE-JET WITH FRONT CJ INTAKE
- NOTCHED RIGHT END PANEL
- DOUBLE RECEPTACLE PIN & SLEEVE
- 3" REAR STAND-OFF TO HAVE 1" THICK INSULATION
- GREASE CUP RIGHT END



THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER:  
ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR. A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

REVISION AND RESUBMIT

APPROVED FOR FABRICATION

WITH NO CHANGES

WITH CHANGES AS NOTED

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



WEBSITE: www.halton.com

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

REV.	DESCRIPTION	DATE	BY
1	CREATED HOOD BLOCKS	06.27.23	SKK
2	SHEET LAYOUT	08.28.23	SKK
3	NO CHANGE	02.02.24	SKK
4	ADDED GREASE CUPS	05.16.24	SKK
5	ADDED 1.5 GAL TANK TO ANSUL SYSTEM	07.26.24	SKK

REVISION DESCRIPTION

HALTON CO. (USA)  
101 INDUSTRIAL DRIVE  
SCOTTSDALE, AZ 85254  
1-270-237-5800

HALTON CO. (CANADA)  
1021 BREVIK PLACE  
MISSISSAUGA, ON L4W 3R7  
1-905-624-0301

PROJECT: CHICK-FIL-A P14 NAME

LOCATION: -- DATE: 05.23.24

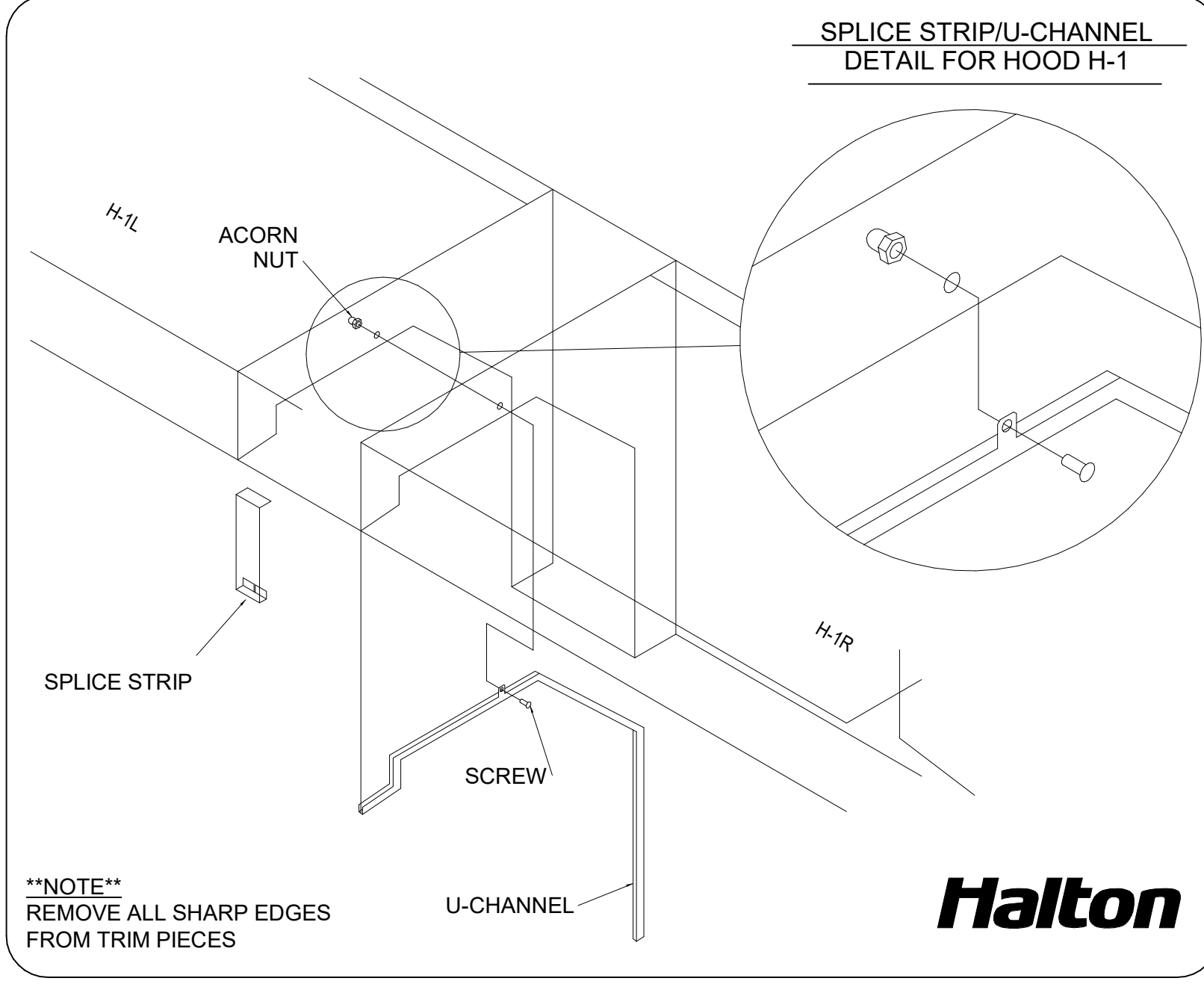
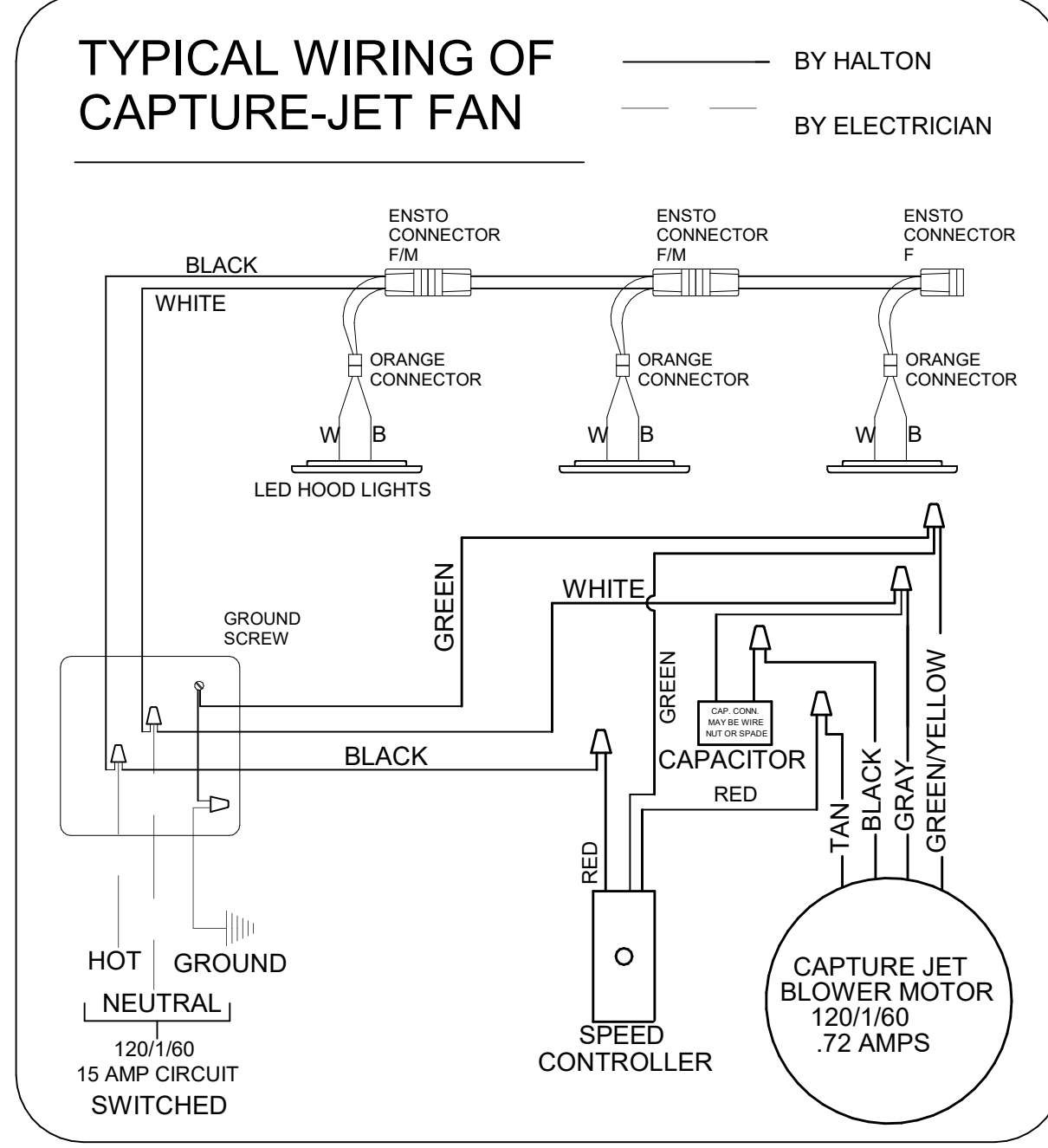
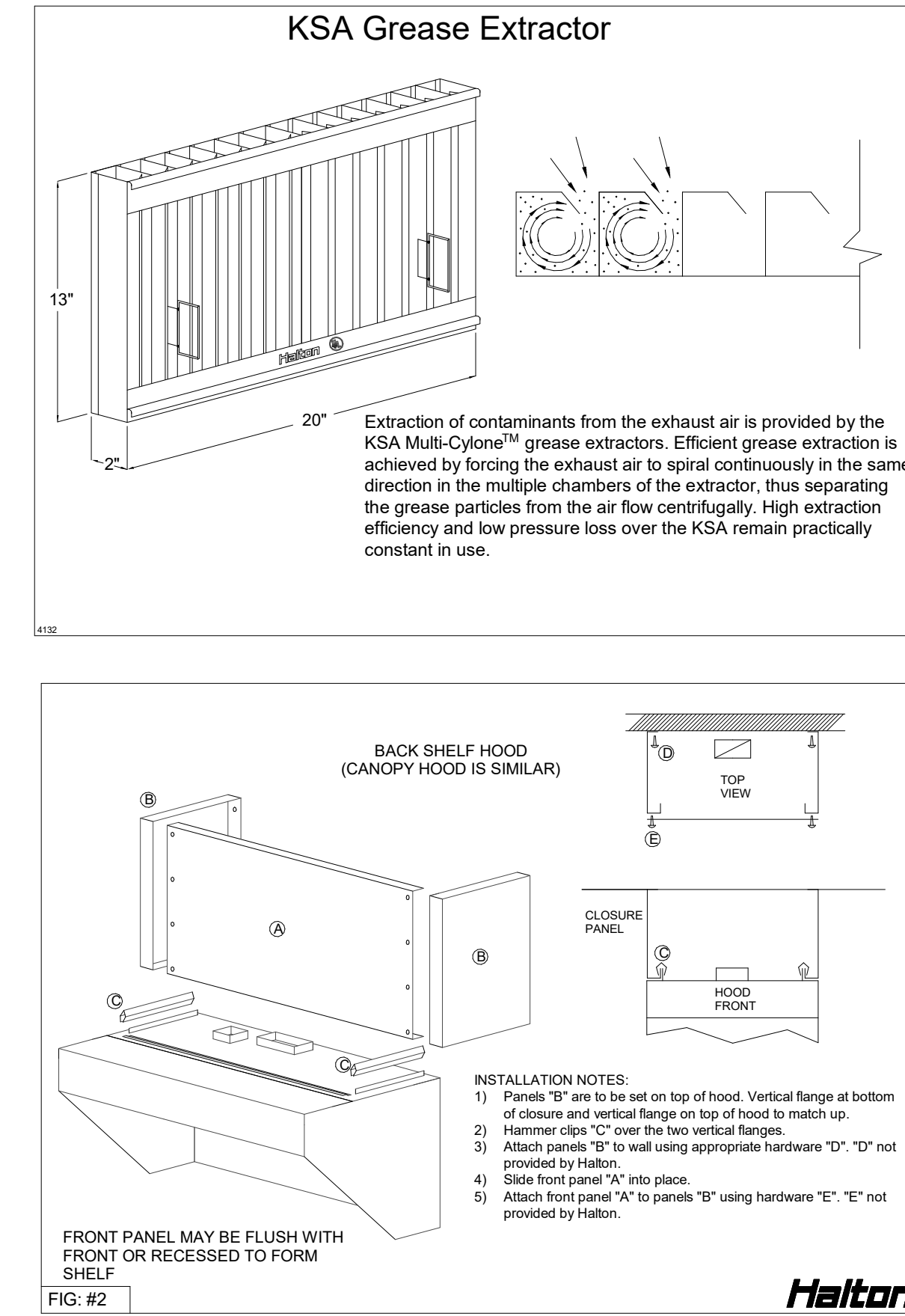
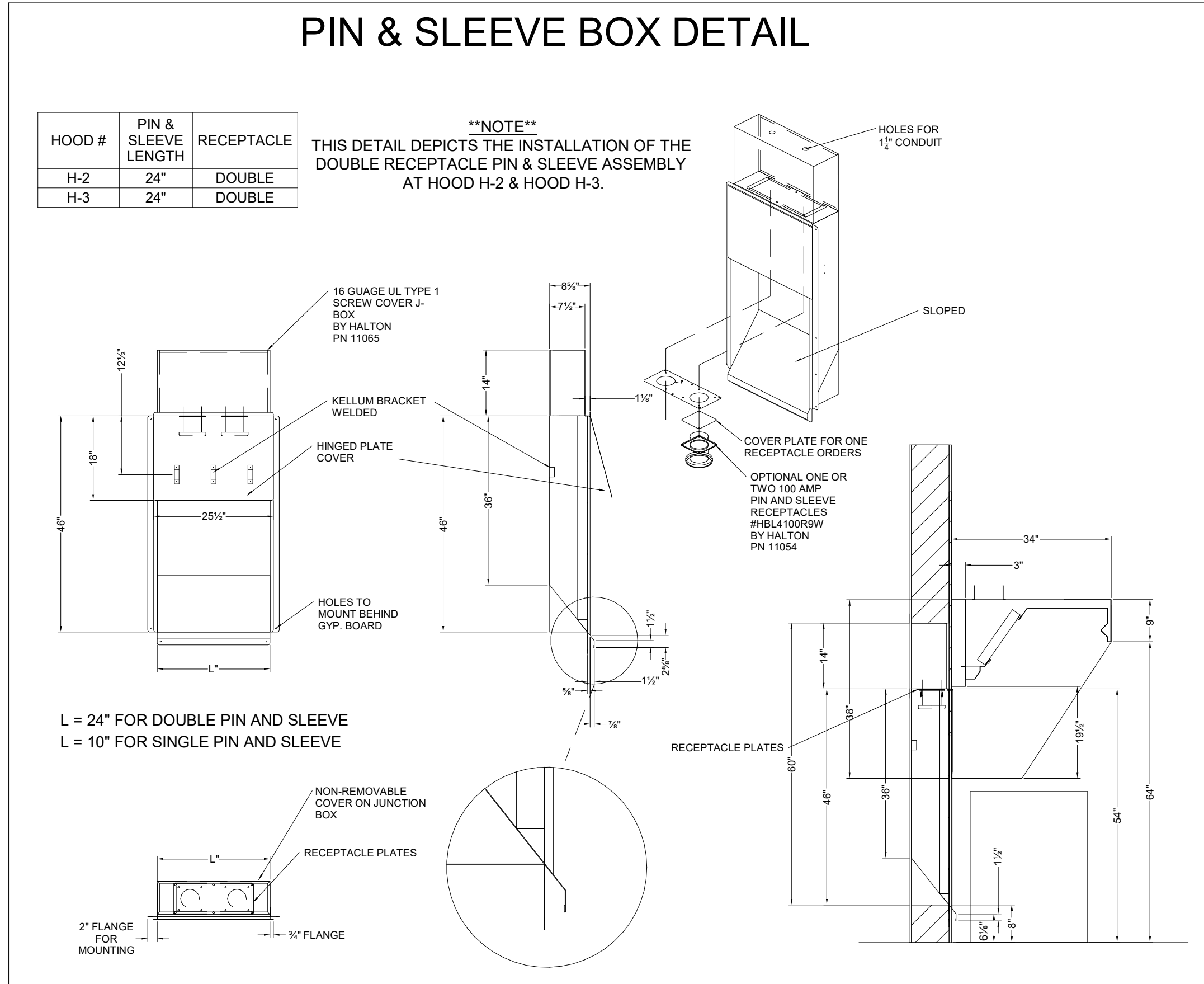
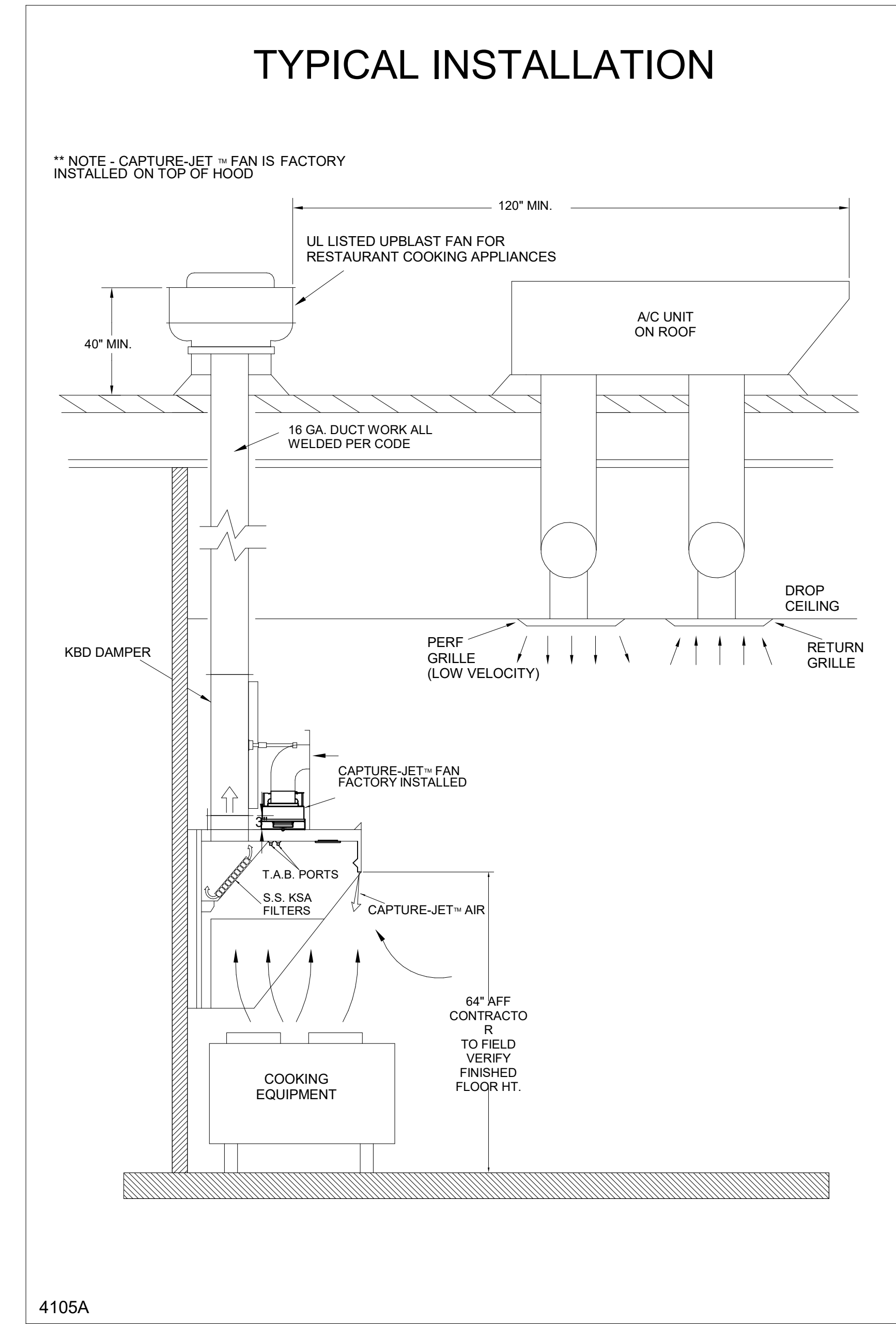
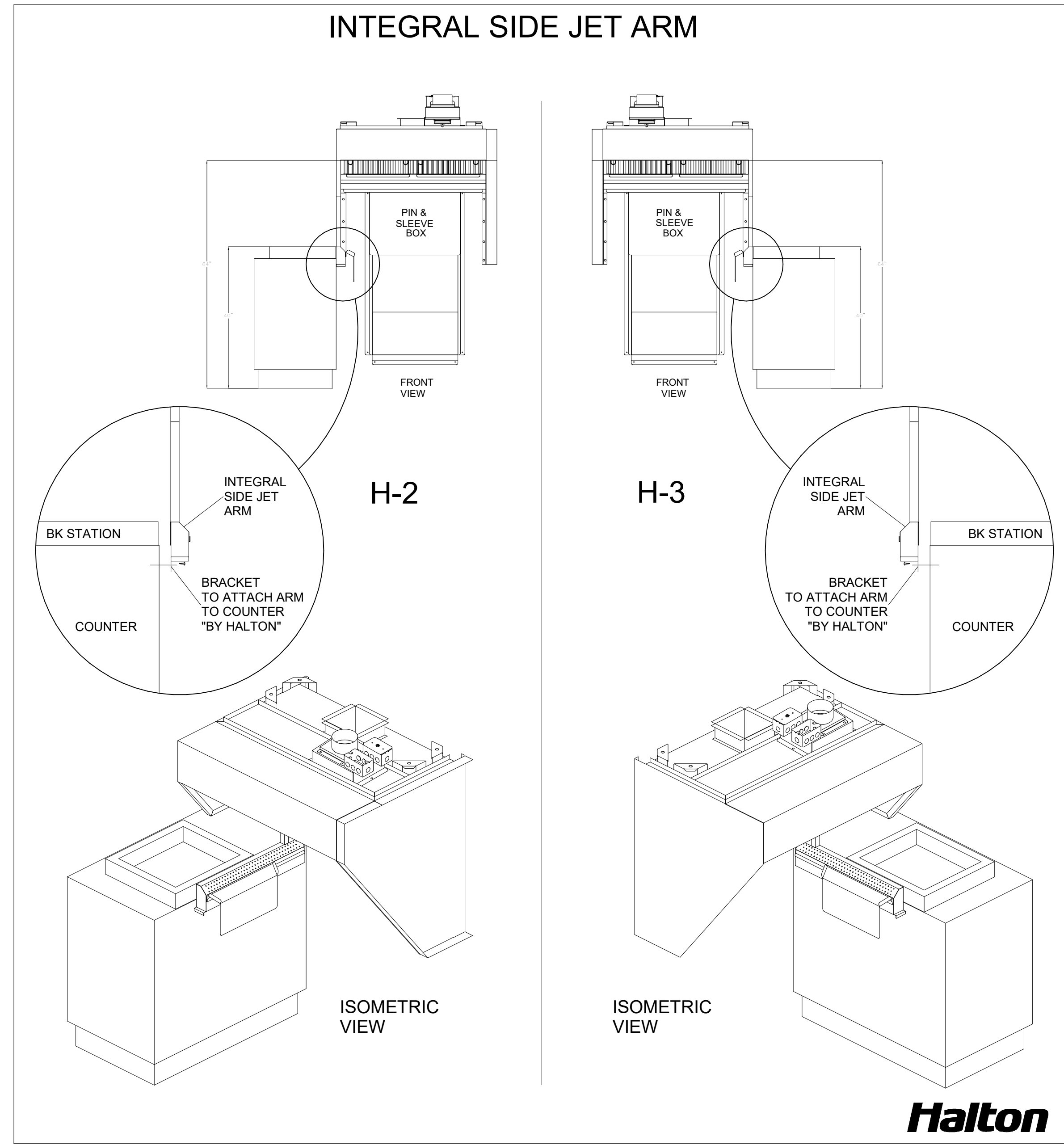
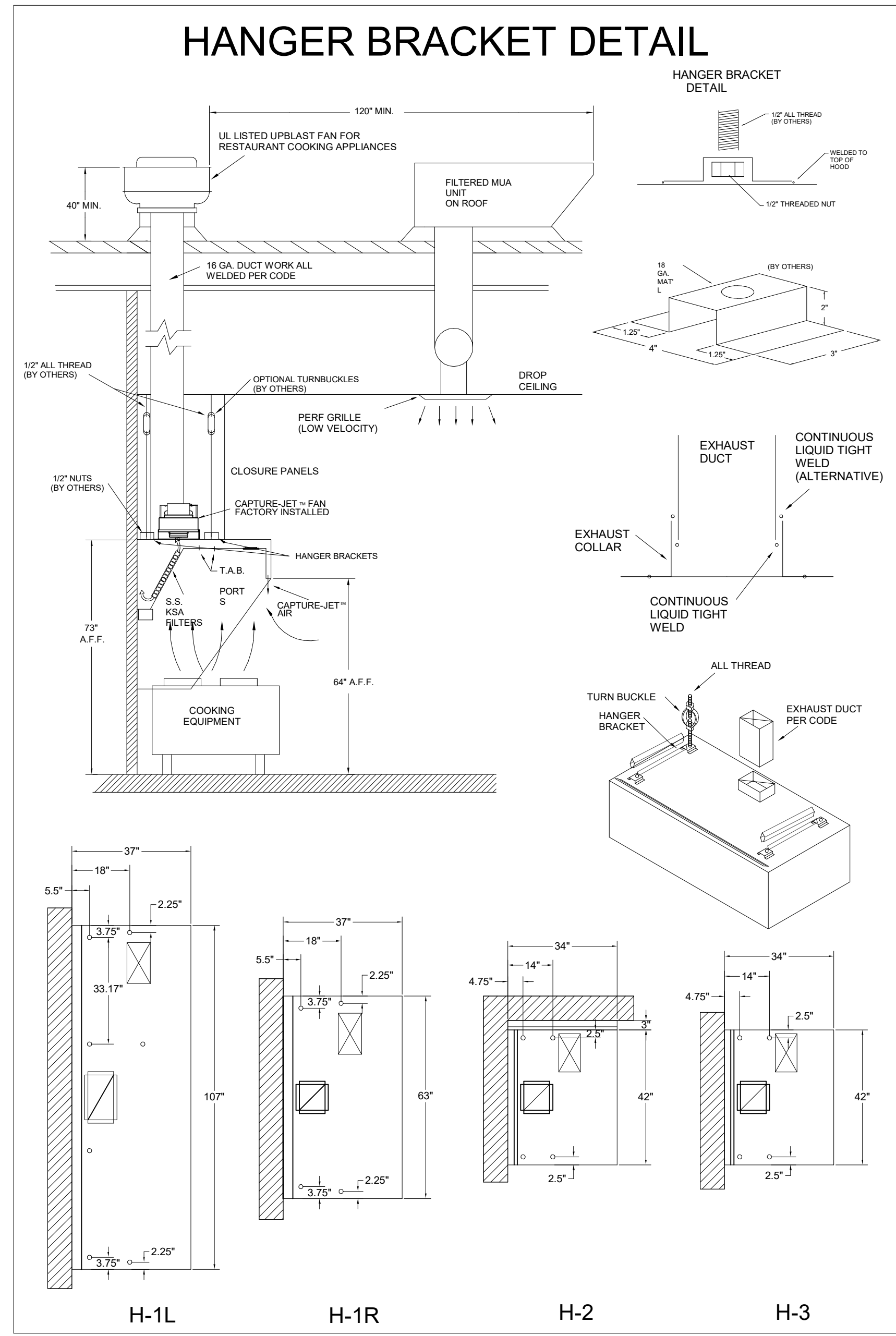
DRAWN BY: SKK

SCALE: NOT TO SCALE

DRAWING No.: U22-606-01

SHEET No.: MH-1.1

**Halton**



HALTON HOODS  
- ETL LISTED PER LATEST 710 STANDARD  
- BUILT PER NFPA 96  
- NSF LISTED

NSF Halton INTERTEK 301225 CONFORMS TO UL STD UL STD 710 CERTIFIED TO ULC STD 5846

HALTON COMPANY, 101 INDUSTRIAL DR., SCOTTSVILLE, KY 42164

MODEL NO. SERIAL NO. ITEM NO.  
KVL-C-IC

GENERAL REQUIREMENTS  
FILTER TYPE EXHAUST HOOD FOR COMMERCIAL AND INSTITUTIONAL KITCHENS  
THE FAN CIRCUIT IS RATED FOR 120V, 15A, 60HZ.  
THE LIGHTING CIRCUIT IS RATED FOR 120V, 15A, 60HZ.  
THE HOOD HAS BEEN CERTIFIED BY ETL FOR 6" BACH CLEARANCE TO COMBUSTIBLE MATERIALS (TOP, SIDES, FRONT AND REAR) IN COMPLIANCE WITH UL710 WITH CONSIDERATION TO NFPA 96.  
THE HOOD IS PROVIDED WITH REPLACEABLE KSA FILTERS AND LIGHTING FIXTURES.  
REPLACE FILTERS ONLY WITH UL CLASSIFIED FILTER TYPE OF THE SAME MODEL AND MANUFACTURER.  
SUITABLE FOR USE TO MEDIUM DUTY COOKING APPLIANCES.

DUTY LEVEL	MINIMUM OVERHANG		DISTANCE BETWEEN FRONT EDGE OF HOOD AND COOKING SURFACE, IN.		MIN. EXHAUST DUCT HOOD LENGTH
	FRONT, IN.	SIDE, IN.	MIN.	MAX.	
MEDIUM	6"	0"	20"	30"	121"
MEDIUM	6"	0"	20"	30"	106"
MEDIUM	6"	0"	20"	30"	120"
HEAVY	9"	2"	20"	25"	101"
HEAVY	9"	2"	20"	30"	216"

†† SETBACK/DIMENSIONAL TOLERANCE  
JET SUPPLY AIR FLOW SHALL ONLY BE SET AT 1.30 IN HOOD

NSF Halton INTERTEK 301225 CONFORMS TO UL STD UL STD 710 CERTIFIED TO ULC STD 5846

HALTON COMPANY, 101 INDUSTRIAL DR., SCOTTSVILLE, KY 42164

MODEL NO. SERIAL NO. ITEM NO.  
KVL-2-IC

GENERAL REQUIREMENTS  
FILTER TYPE EXHAUST HOOD FOR COMMERCIAL AND INSTITUTIONAL KITCHENS  
THE FAN CIRCUIT IS RATED FOR 120V, 15A, 60HZ.  
THE LIGHTING CIRCUIT IS RATED FOR 120V, 15A, 60HZ.  
THE HOOD HAS BEEN CERTIFIED BY ETL FOR 6" BACH CLEARANCE TO COMBUSTIBLE MATERIALS (TOP, SIDES, FRONT AND REAR) IN COMPLIANCE WITH UL710 WITH CONSIDERATION TO NFPA 96.  
THE HOOD IS PROVIDED WITH REPLACEABLE KSA FILTERS AND LIGHTING FIXTURES.  
REPLACE FILTERS ONLY WITH UL CLASSIFIED FILTER TYPE OF THE SAME MODEL AND MANUFACTURER.  
SUITABLE FOR USE TO HEAVY DUTY COOKING APPLIANCES.

DUTY LEVEL	MINIMUM OVERHANG		DISTANCE BETWEEN FRONT EDGE OF HOOD AND COOKING SURFACE, IN.		MIN. EXHAUST DUCT HOOD LENGTH
	FRONT, IN.	SIDE, IN.	MIN.	MAX.	
MEDIUM	6"	0"	20"	30"	121"
MEDIUM	6"	0"	20"	30"	106"
MEDIUM	6"	0"	20"	30"	120"
HEAVY	9"	2"	20"	25"	101"
HEAVY	9"	2"	20"	30"	216"

†† SETBACK/DIMENSIONAL TOLERANCE  
JET SUPPLY AIR FLOW SHALL ONLY BE SET AT 1.26 IN HOOD

FOR REFERENCE ONLY

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1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS  
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.  
NOTE TO APPROVER  
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UL LISTED  
NSF  
ETL LISTED

WEBSITE: www.halton.com

HALTON CO. (USA)  
101 INDUSTRIAL DRIVE  
SCOTTSVILLE, KY 42164  
1-270-237-5800

DATE: 06.27.23  
SKK

DATE: 08.28.23  
SKK

DATE: 02.02.24  
SKK

DATE: 05.16.24  
SKK

DATE: 07.26.24  
SKK

APPROVED FOR FABRICATION  
 WITH NO CHANGES  
 WITH CHANGES AS NOTED

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

HALTON CO. (CANADA)  
1021 BREVIK PLACE  
MISSISSAUGA, ON L4W 3R7  
1-905-624-0301

REVISION DESCRIPTION

CREATED HOOD BLOCKS

SHEET LAYOUT

NO CHANGE

ADDED GREASE CUPS

ADDED 1.5 GAL TANK TO ANSUL SYSTEM

PROJECT: CHICK-FIL-A P14 NAME

LOCATION: --

DRAWN BY: SKK

DATE: 05.23.24

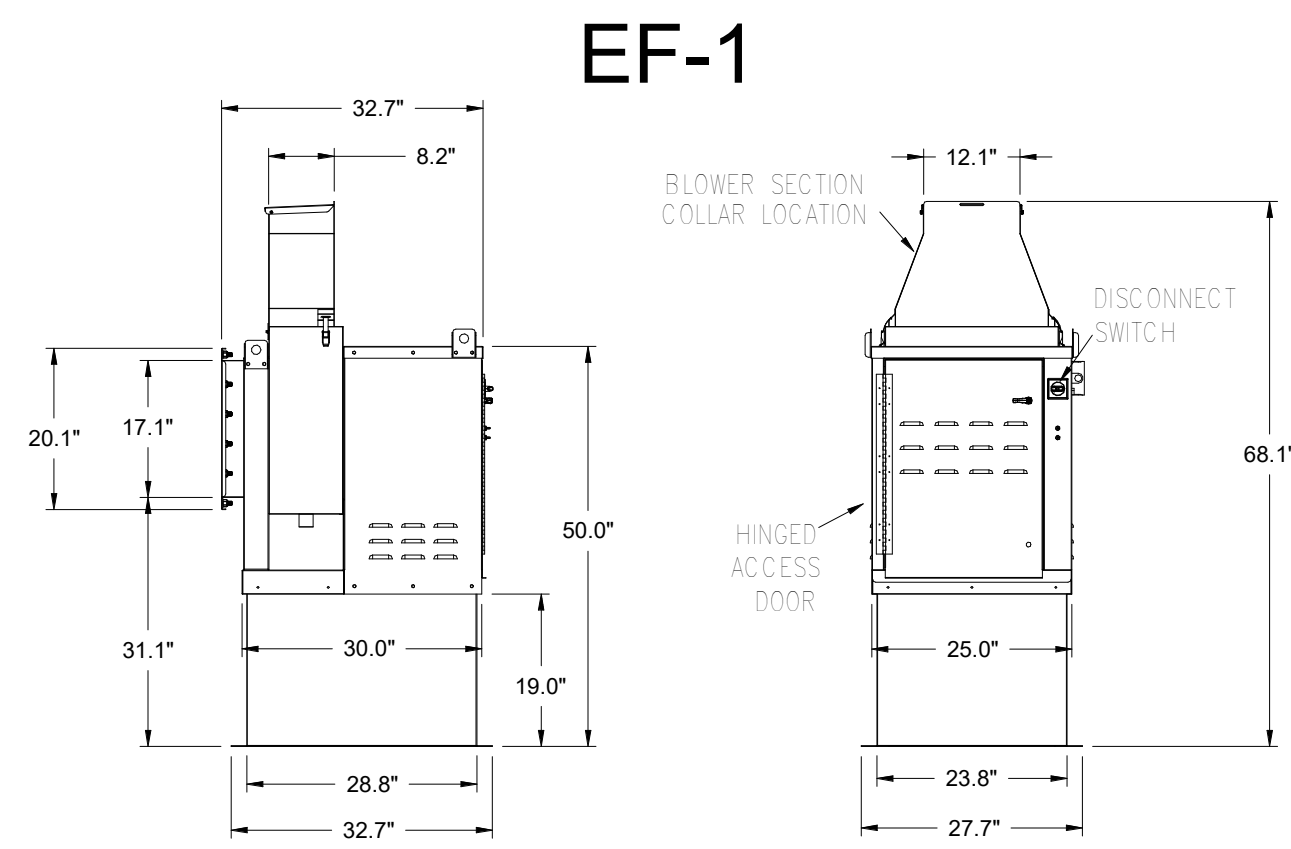
SCALE: NOT TO SCALE

DRAWING NO.: U22-606-02

SHEET NO.: MH-1.2

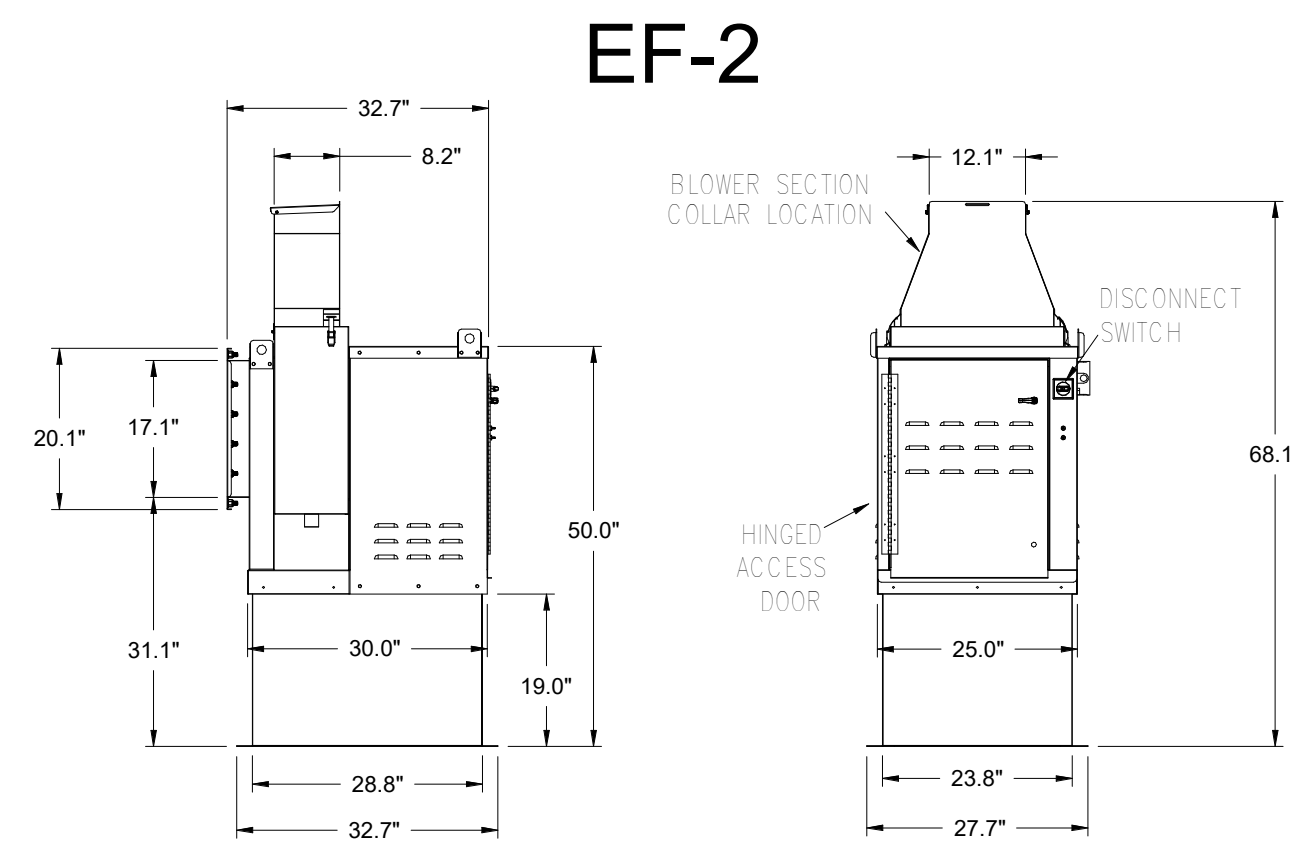
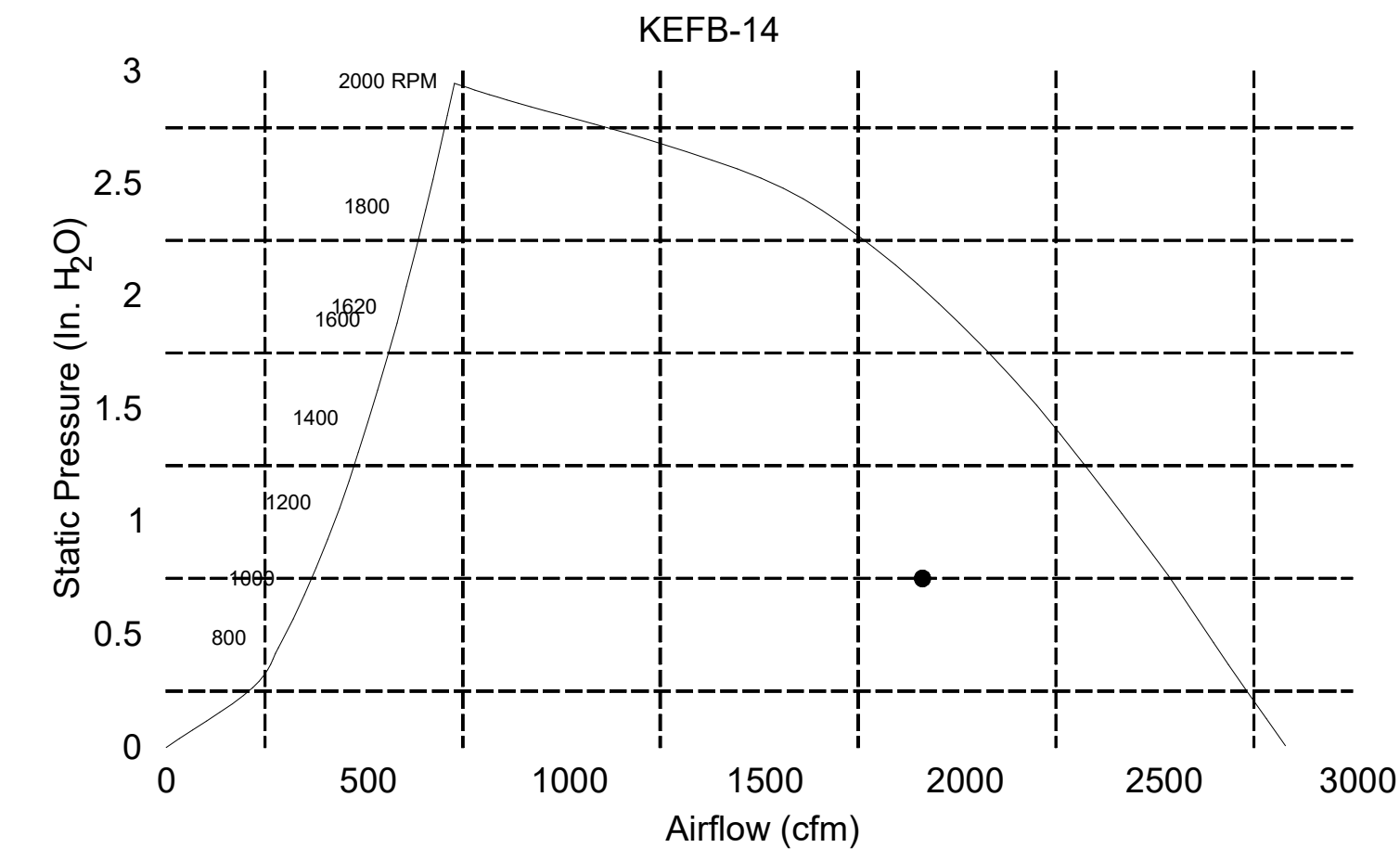
Halton





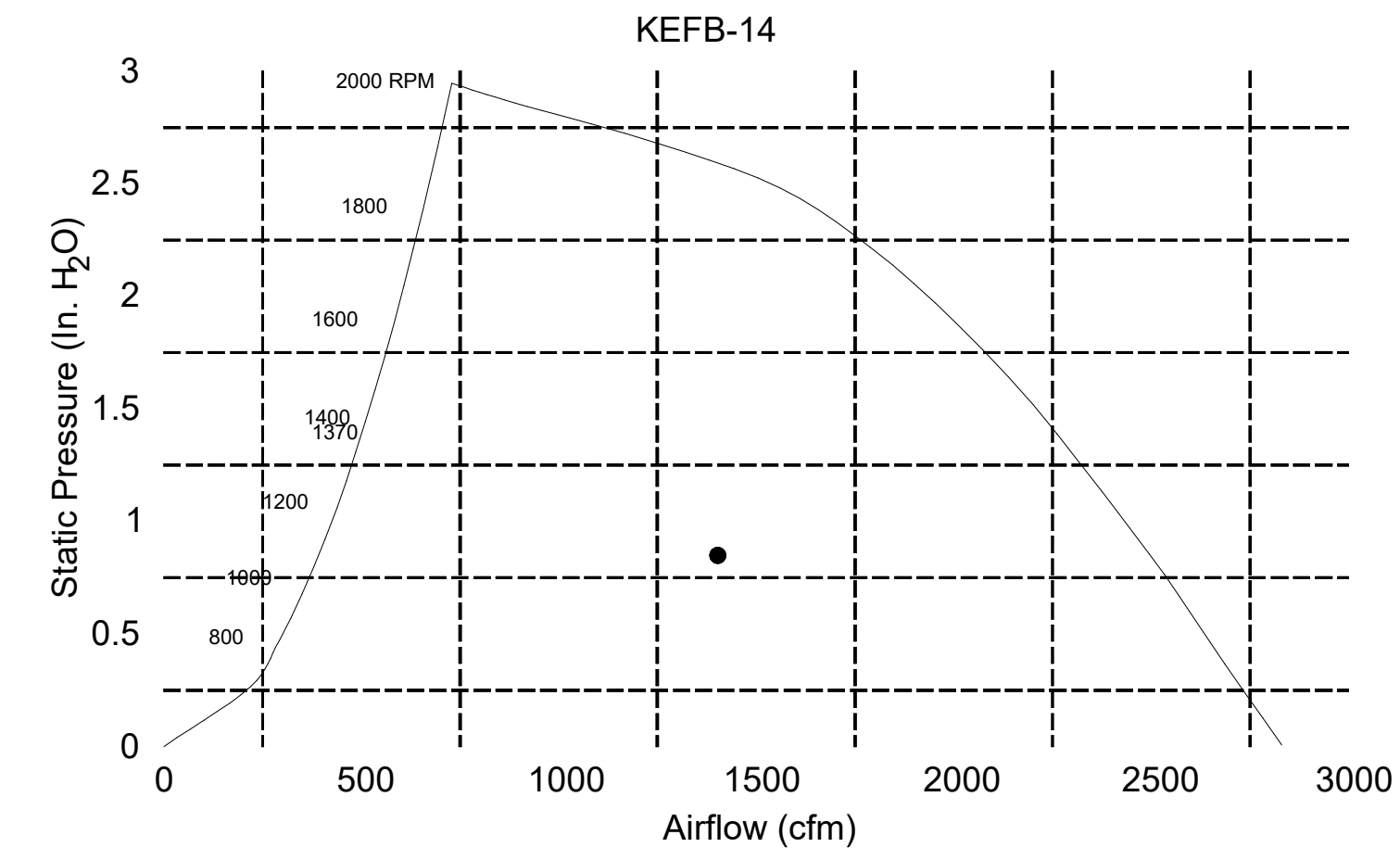
**Halton KEFB Exhaust Fan**

Job Name	Chick-fil-A	Item No	Qty	Fan RPM	Volts/Ph/Amps
Location	EF-1	KEFB-14	1,620	0.55	115/1/60
Date	1/26/2023	1.312	Fan BHP	0.55	Motor HP
Model		0.75	dB	85.3	TAB Port, in WC
Airflow, cfm					4.8
Static Pressure, in WC					



**Halton KEFB Exhaust Fan**

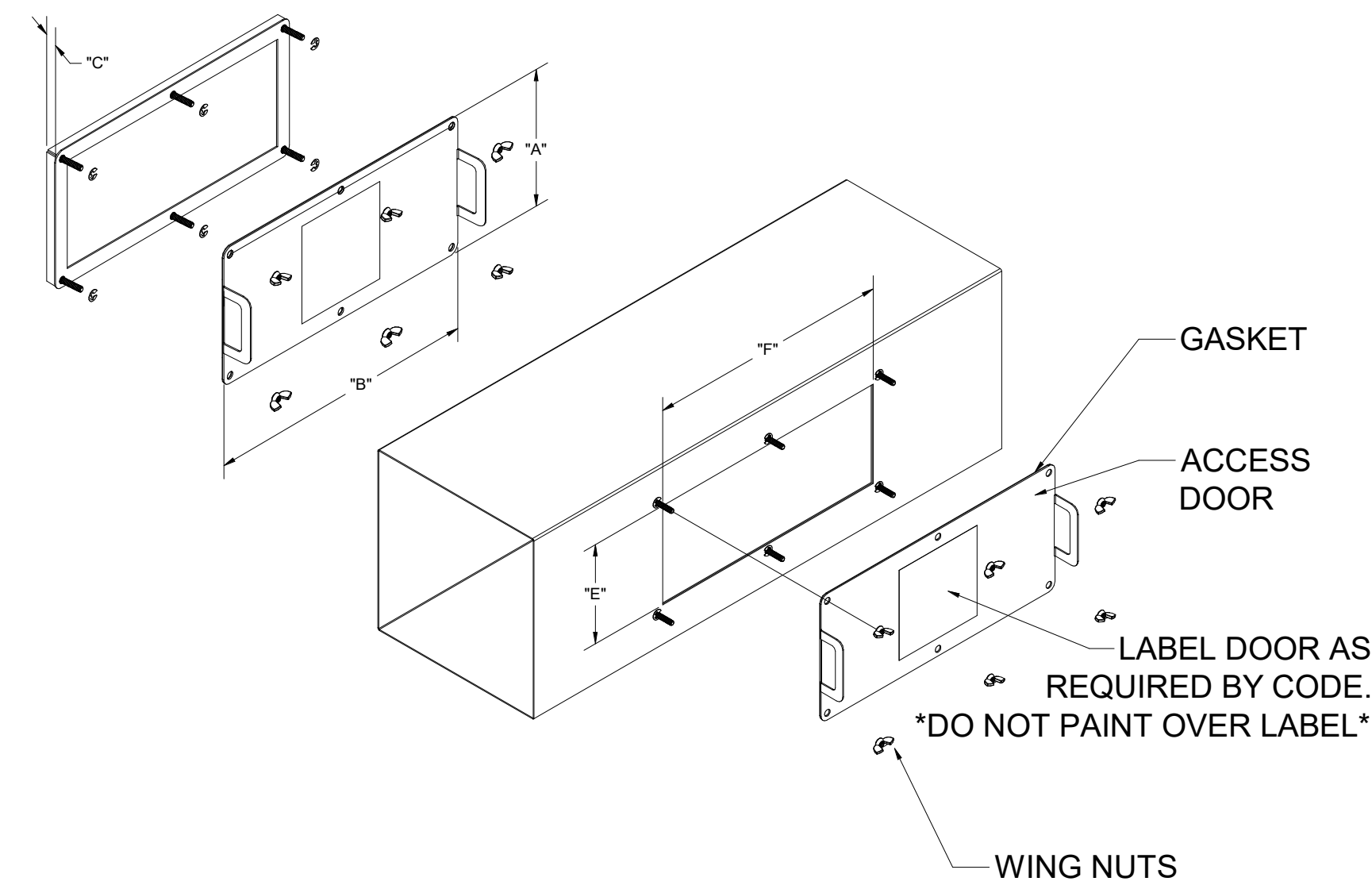
Job Name	Chick-fil-A	Item No	Qty	Fan RPM	Volts/Ph/Amps
Location	EF-2	KEFB-14	1,410	0.38	115/1/60
Date	1/26/2023	1.402	Fan BHP	0.38	Motor HP
Model		0.85	dB	81	TAB Port, in WC
Airflow, cfm					2.1
Static Pressure, in WC					



**FOR REFERENCE ONLY**

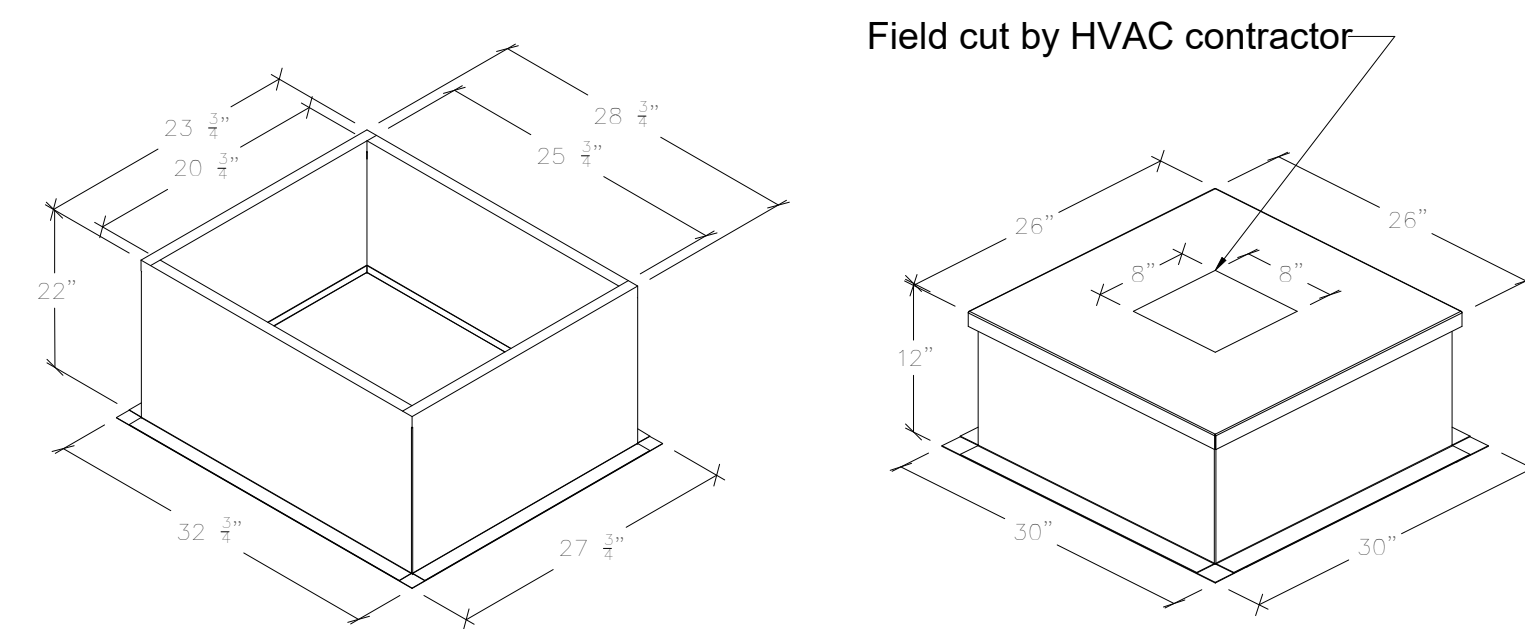
MODEL	DOOR SCHEDULE			OPENING SIZE	
	"A"	"B"	OPTIONAL FLANGE "C"	"E"	"F"
KAP0715	7	15	FLAT	5.5	13.5
KAP1015	10	15	1/2	7	12

ACCESS DOORS SHALL BE U.L. 1978 LISTED OR FIELD FABRICATED, REQUIRE NO TOOLS FOR REMOVAL AND MEET THE REQUIREMENTS OF THE CURRENT EDITION OF THE IMC. ACCESS DOOR SHALL BE SECURED WITH THUMB SCREWS. ACCESS DOOR SHALL BE SEALED WITH A MINIMUM 1500 DEGREE GASKET MATERIAL.



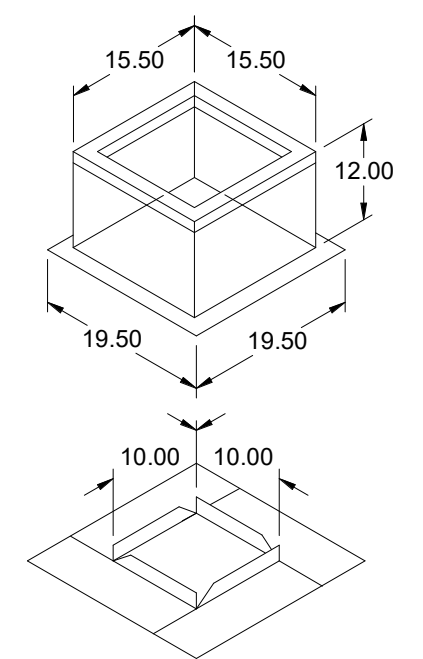
INSTALL PER MANUFACTURER'S INSTRUCTIONS

**Halton Kitchen Exhaust Fan Curb Insulated Duct Curb**



**Kitchen Exhaust Fan Roof Curb**  
Standard Construction Features:  
- Roof Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of 18 ga aluminumized steel - Straight Sided without a cant - 2 in. mounting flange - Height is 22 in.

**Insulated Duct Curb**  
Standard Construction Features:  
- Duct Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of 18 ga aluminumized steel - Straight Sided without a cant - 2 in. mounting flange - Height is 12 in. - 16 ga. cap



**Model: GPI**  
**For Model: XRED-090-G**  
**Curb & Damper Tray**

Accessories				
Material	Security Bars	Liner	Insulation (in.)	Insulation R Value
Galvanized	No	No	1	R4.3

General						
Tag	Qty	Model	Sizing Method	Undersizing (in.)	Weight (lb)	Shipped Assembled
EF-3	1	GPI-17	Nominal	1.5	14	Yes

Dimensions										
Curb Height (in.)	Nominal Width (in.)	Nominal Length (in.)	Actual Outside Width (in.)	Actual Outside Length (in.)	Actual Inside Width (in.)	Actual Inside Length (in.)	Flange Width (in.)	Flange Length (in.)	Hinge Base Length (in.)	Hinge Base Width (in.)
12	17	17	15.5	15.5	12	12	19.5	16		

\*May not be applicable

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APPROVED FOR FABRICATION  WITH NO CHANGES  WITH CHANGES AS NOTED

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



WEBSITE: www.halton.com

**HALTON CO. (USA)**  
101 INDUSTRIAL DRIVE  
SCOTTSDALE, AZ 85257

**HALTON CO. (CANADA)**  
1021 BREVIN PLACE  
MISSISSAUGA, ON L4W 3R7  
1-800-624-0301

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

REV.	DATE	BY	REVISION DESCRIPTION
1	06.27.23	SKK	CREATED HOOD BLOCKS
2	08.28.23	SKK	SHEET LAYOUT
3	02.02.24	SKK	NO CHANGE
4	05.16.24	SKK	ADDED GREASE CUPS
5	07.26.24	SKK	ADDED 1.5 GAL TANK TO ANSUL SYSTEM

PROJECT: **CHICK-FIL-A P14**  
NAME

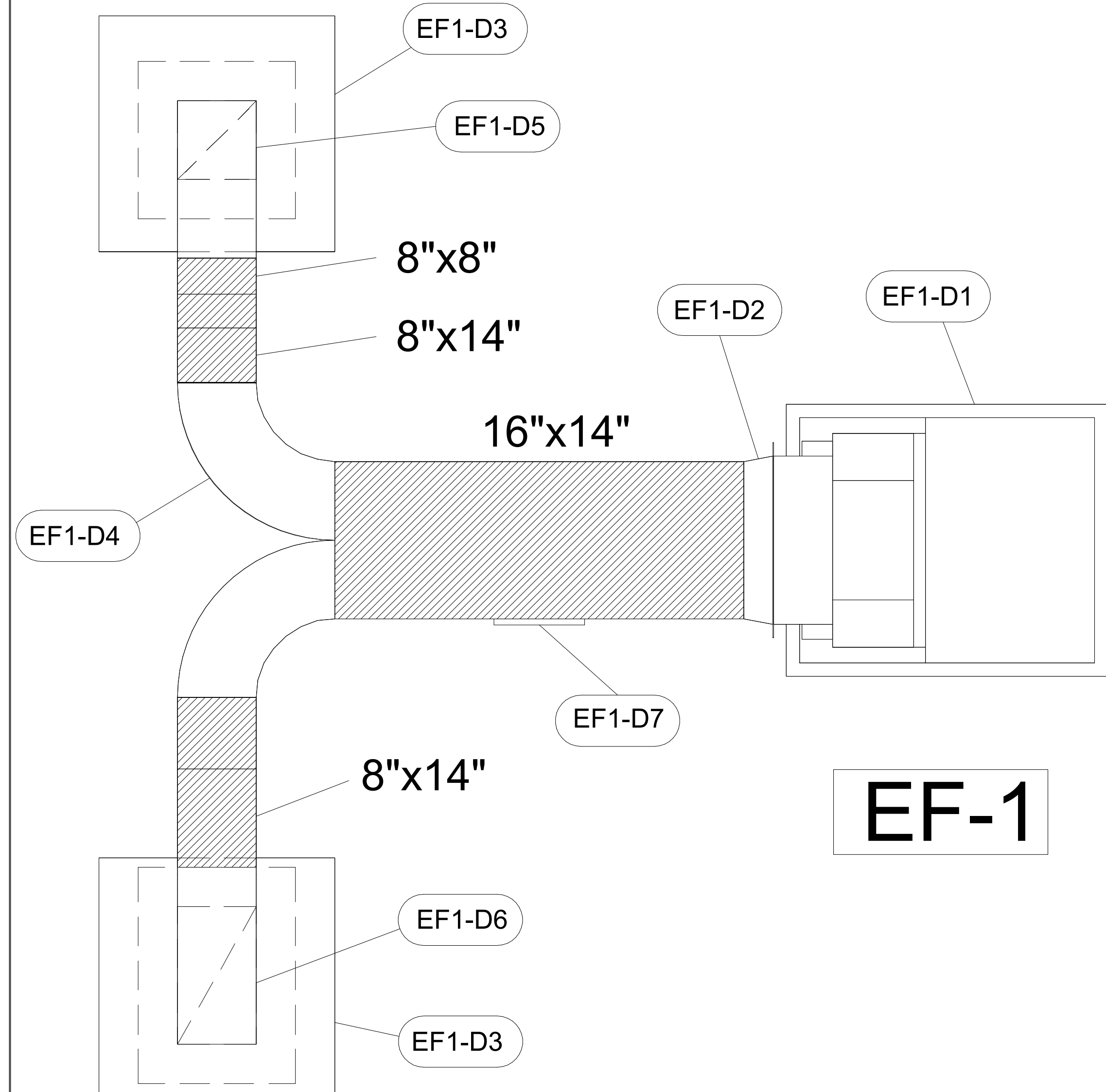
LOCATION: --  
DRAWN BY: SKK  
SCALE: NOT TO SCALE

DATE: 05.23.24

DRAWING No.: **U24-672**

SHEET NO.: **MH-1.4**





**EF-1**

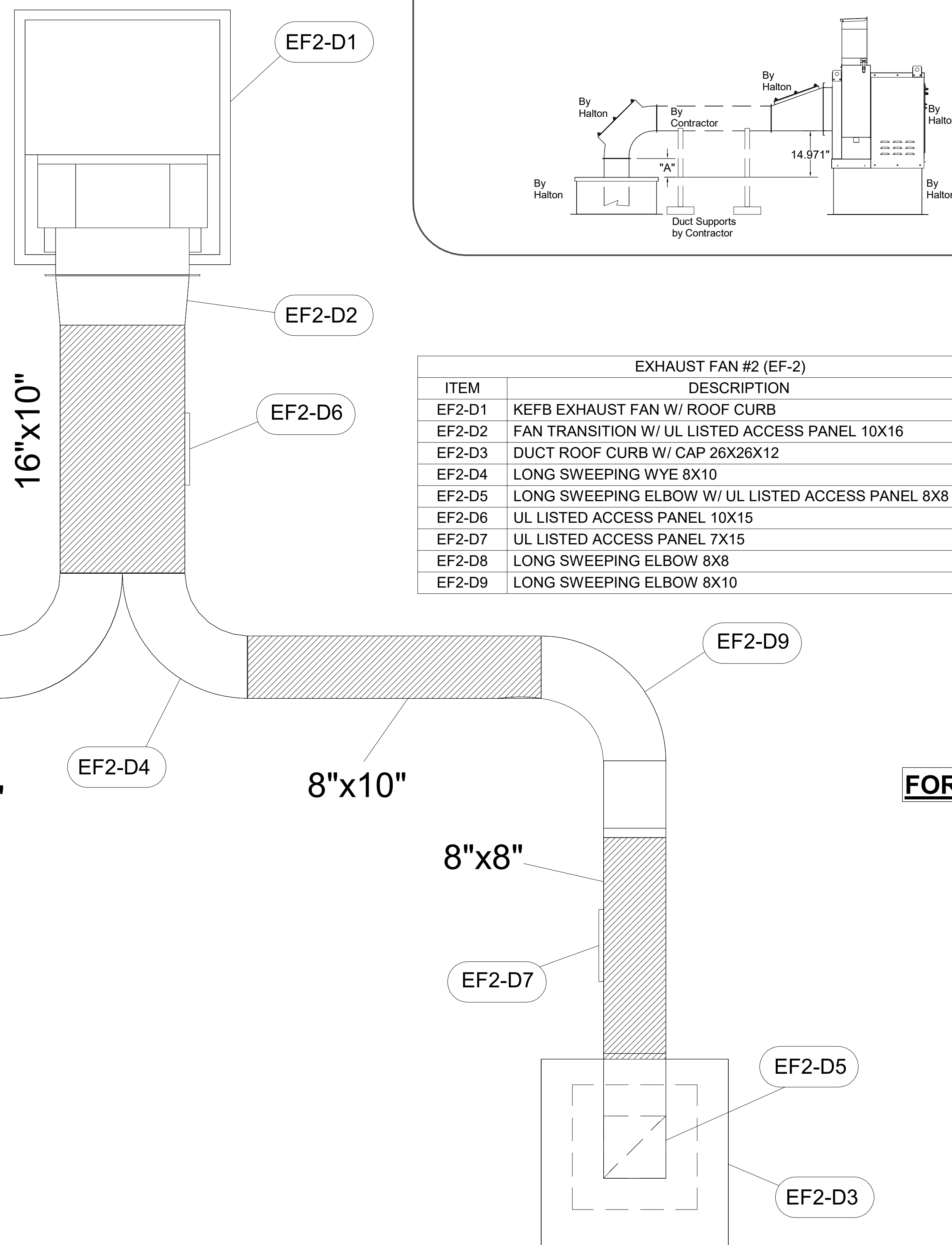
EXHAUST FAN #1 (EF-1)		
ITEM	DESCRIPTION	QTY
EF1-D1	KEFB EXHAUST FAN W/ ROOF CURB	1
EF1-D2	FAN TRANSITION W/ UL LISTED ACCESS PANEL 14X16	1
EF1-D3	DUCT ROOF CURB W/ CAP 26X26X12	2
EF1-D4	LONG SWEEPING STRAIGHT WYE 14X8	1
EF1-D5	LONG SWEEPING ELBOW W/ UL LISTED ACCESS PANEL 8X8	1
EF1-D6	LONG SWEEPING ELBOW W/ UL LISTED ACCESS PANEL 14X8	1
EF1-D7	UL LISTED ACCESS PANEL 10X15	1

**ALL DUCTS AND FITTINGS DEPICTED BY HATCH AREAS ARE BY HVAC CONTRACTOR.**

-CONTACT HALTON CUSTOMER SERVICE FOR HALTON PROVIDED ITEMS. ONLY DUCT SECTIONS SPECIFIED BY NUMBERS AND SHOWN IN THE ABOVE CHART ARE PROVIDED BY HALTON

-ALL OTHER DUCTS AND FITTINGS BY HVAC CONTRACTOR. DUCT SECTIONS PROVIDED BY HVAC CONTRACTOR ARE SHOWN IN ORDER TO DEPICT TOTAL SYSTEM DESIGN. THE UL LISTED ACCESS PANELS PROVIDED BY HALTON MUST BE INSTALLED IN DUCT SECTIONS NOT PROVIDED BY HALTON BY HVAC CONTRACTOR.

**EF-2**



EXHAUST FAN #2 (EF-2)		
ITEM	DESCRIPTION	QTY
EF2-D1	KEFB EXHAUST FAN W/ ROOF CURB	1
EF2-D2	FAN TRANSITION W/ UL LISTED ACCESS PANEL 10X16	1
EF2-D3	DUCT ROOF CURB W/ CAP 26X26X12	2
EF2-D4	LONG SWEEPING WYE 8X10	1
EF2-D5	LONG SWEEPING ELBOW W/ UL LISTED ACCESS PANEL 8X8	2
EF2-D6	UL LISTED ACCESS PANEL 10X15	1
EF2-D7	UL LISTED ACCESS PANEL 7X15	2
EF2-D8	LONG SWEEPING ELBOW 8X8	1
EF2-D9	LONG SWEEPING ELBOW 8X10	1

TRANSITION	"H"	"W"	"L"
EF-1 (5)	14	16	17
EF-2 (6)	10	16	17

QTY	"H"	"W"	"A"	Ro	Rc	Ri
EF-1	1	14	8	29	28	21
EF-1	1	8	8	17	16	12
EF-2	2	8	8	17	16	12

"W"	"H"	Wo	Ro	Rc	Ri	"A"	"B"
EF-1	8	14	16	16	12	8	34
EF-2	8	10	16	16	12	8	34

"H"	"W"	"A"	Ro	Rc	Ri
EF-2	8	8	17	16	12
EF-2	8	10	17	16	12

	ELBOW	"A"
EF-1	14X8	8
EF-2	8X8	10

"A" DISTANCE AVAILABLE FOR DUCT SLOPE

CONTRACTOR TO TRIM AS NEEDED TO ACCOMMODATE DUCT SLOPE. ALL ELBOWS WITH ACCESS PANELS. BOTH EF-1 AND EF-2

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REVISE AND RESUBMIT  
 APPROVED FOR FABRICATION  
 WITH NO CHANGES  
 WITH CHANGES AS NOTED

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

---

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<p>WEBSITE: <a href="http://www.halton.com">www.halton.com</a></p> <p><b>HALTON CO. (USA)</b> 101 INDUSTRIAL DRIVE SCOTTSDALE, AZ 85257-1664 1-270-237-5800</p>	<p><b>HALTON CO. (CANADA)</b> 1021 BREVIK PLACE MISSISSAUGA, ON L4W 3R7 1-905-624-0301</p>
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REVISION DESCRIPTION

REV.	DESCRIPTION	DATE
1	CREATED HOOD BLOCKS	06.27.23
2	SHEET LAYOUT	08.28.23
3	NO CHANGE	02.02.24
4	ADDED GREASE CUPS	05.16.24
5	ADDED 1.5 GAL TANK TO ANSUL SYSTEM	07.26.24

PROJECT: CHICK-FIL-A P14 NAME

LOCATION: -- DATE: 05.23.24

DRAWN BY: SKK SCALE: NOT TO SCALE

DRAWING No.: **U24-672**

SHEET No.: **MH-1.5**

**Halton**