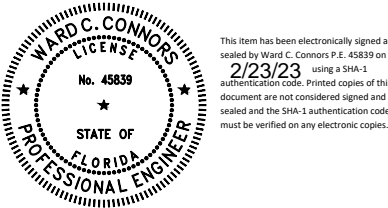


901  
Northpoint Parkway  
Suite 101  
West Palm Beach  
Florida 33407



## New Kitchen Facility for



701 Boutwell Road  
Lake Worth, FL. 33461



Project No. 22.046  
24 February 2023  
Bidding, Permit and  
Construction

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**JLRD PROJECT NO:**  
**12210**

FAN SCHEDULE																							
PLAN MARK	AREA SERVED	MAKE	MODEL NUMBER	FAN ARR.	AMCA FEI	AIRFLOW (CFM)	ESP (IN. W.C.)	FAN				MOTOR					VOLTAGE (V/Hz/Ph)	OPER. WEIGHT (LB)	SONES	CONTROL INTERLOCKS	EQUIPMENT INTERLOCKS	REMARKS	
								TYPE	DIA. (IN)	RPM	DRIVE	BHP	HP	RPM	TYPE	ENC.							
EF-1-1	119 TOILET	GREENHECK	SQ-80-VG	INLINE	NA	250	0.375	SWSI BI	10.88	1504	DIRECT	0.05	0.10	1800	ECM	TENV	120/60/1	60	3.7	SCHEDULE	EX-RTU-1	①⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱	
EF-2-1	120 TOILET	GREENHECK	SQ-80-VG	INLINE	NA	250	0.375	SWSI BI	10.88	1504	DIRECT	0.05	0.10	1800	ECM	TENV	120/60/1	60	3.7	SCHEDULE	EX-RTU-2	①⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱	
EF-2-2	117 ES CLOSET	GREENHECK	SP-A50-90-VG	CEILING	NA	50	0.250	DWDI FC	5.50	838	DIRECT	6 WATTS	-	1800	ECM	TEAO	120/60/1	15	0.7	OCC SENSOR	EX-RTU-2	①⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱	
EF-2-3	116 WH CLOSET	GREENHECK	SQ-70-VG	INLINE	NA	150	0.375	SWSI BI	8.13	1681	DIRECT	0.04	0.07	1800	ECM	TENV	120/60/1	42	4.7	CONTINUOUS	EX-RTU-2	①⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱	
EX-EF-7-1	WAREHOUSE	GREENHECK	RBE-3L42	ROOF DB	EXIST.	21600	0.250	PROP.	42.00	794	BELT	4.72	5.00	1800	NEMA	ODP	480/60/3	837	31.0	TSTAT./SCH.	NONE	①⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔	
EX-EF-8-1	WAREHOUSE	GREENHECK	RBE-3L42	ROOF DB	EXIST.	21600	0.250	PROP.	42.00	794	BELT	4.72	5.00	1800	NEMA	ODP	480/60/3	837	31.0	TSTAT./SCH.	NONE	①⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔	
EF-7-2	WAREHOUSE	BIG ASS	PP8-12	HVLS	-	MOD.	0.000	AF PROP.	12.00	135	DIRECT	-	1.50	1800	NEMA	TEFC	480/60/3	200	-	TSTAT./SCH.	NONE	③④⑤⑥⑦⑧⑨	
EF-7-3	WAREHOUSE	BIG ASS	PP8-12	HVLS	-	MOD.	0.000	AF PROP.	12.00	135	DIRECT	-	1.50	1800	NEMA	TEFC	480/60/3	200	-	TSTAT./SCH.	NONE	③④⑤⑥⑦⑧⑨	
EF-7-4	WAREHOUSE	BIG ASS	PP8-12	HVLS	-	MOD.	0.000	AF PROP.	12.00	135	DIRECT	-	1.50	1800	NEMA	TEFC	480/60/3	200	-	TSTAT./SCH.	NONE	③④⑤⑥⑦⑧⑨	
KEF-1	PROD. KIT.	ACCUREX	XCUBE-180	ROOF UB	1.30	2815	1.500	SWSI BI	16.63	1261	BELT	1.23	1.50	1800	NEMA	ODP	208/60/3	217	15.8	KIT. HD. 109	RTU-6	②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟	
KEF-2	PROD. KIT.	ACCUREX	XCUBE-180	ROOF UB	1.25	3300	1.500	SWSI BI	16.63	1324	BELT	1.48	2.00	1800	NEMA	ODP	208/60/3	214	17.4	KIT. HD. 101	RTU-6	②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟	
KEF-3	PROD. KIT.	ACCUREX	XCUBE-180	ROOF UB	1.35	2550	1.000	SWSI BI	16.63	1061	BELT	0.80	1.00	1800	NEMA	ODP	208/60/3	197	13.2	KIT. HD. 209	RTU-6	②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟	
KEF-4	PROD. KIT.	ACCUREX	XCUBE-300XP	ROOF UB	1.26	5140	1.500	SWSI BI	22.25	784	BELT	2.25	3.00	1800	NEMA	ODP	208/60/3	369	16.8	KIT. HD. 209	RTU-6	②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟	
KEF-5	PREMIER KIT.	ACCUREX	XCUBE-220	ROOF UB	1.16	4750	1.250	SWSI BI	24.50	914	BELT	2.00	3.00	1800	NEMA	ODP	208/60/3	291	17.6	KIT. HD. 718	RTU-4	②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟	
KEF-6	PREMIER KIT.	ACCUREX	XCUBE-220	ROOF UB	1.16	4750	1.250	SWSI BI	24.50	914	BELT	2.00	3.00	1800	NEMA	ODP	208/60/3	291	17.6	KIT. HD. 718	RTU-4	②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟	
DWEF-7	PROD. KIT.	ACCUREX	XCUE-999	ROOF UB	NA	750	0.500	SWSI BI	11.19	1409	DIRECT	0.14	0.33	1800	PSC	ODP	120/60/1	104	8.0	DW HD. 503	RTU-6	②⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕㉖㉗㉘㉙㉚㉛㉜㉝㉞㉟	
FF-8	PROD. KIT.	BERNER	CLC08-1072A	AIR CURTAIN	NA	2010	0.000	DWDI FC	-	-	DIRECT	32 WATTS	0.20	1800	PSC	ODP	120/60/1	64	-	DOOR	RTU-6	⑦⑧⑨㉑㉒㉓㉔	
FF-9	PROD. KIT.	BERNER	CLC08-1072A	AIR CURTAIN	NA	2010	0.000	DWDI FC	-	-	DIRECT	32 WATTS	0.20	1800	PSC	ODP	120/60/1	64	-	DOOR	RTU-6	⑦⑧⑨㉑㉒㉓㉔	
①	PROVIDE NEMA 1 DISCONNECT SWITCH.			⑧	SCHEDULED EXTERNAL STATIC PRESSURE EXCLUDES BELT DRIVE LOSS, FILTER OR OTHER INTERNAL COMPONENT AIR PRESSURE DROPS.			⑬	PROVIDE INSULATED HOUSING FOR SOUND/CONDENSATION CONTROL.			⑳	FAN SHALL BE AMCA CERTIFIED FOR AIR AND SOUND PERFORMANCE.			㉕	PROVIDE 24 VOLT CONTROL SYSTEM, DOOR INTERLOCK SWITCHES, AND THREE FOOT LONG CORD AND PLUG.			㉑	PROVIDE WELDED GALVANIZED STEEL ROOF CURB WITH HIGH TEMPERATURE CURB GASKET. COORDINATE ROOF CURB WITH ROOF INSULATION THICKNESS, SLOPE AND STRUCTURE CONSTRUCTION. ROOF CURB HEIGHT SHALL PROVIDE MINIMUM FAN DISCHARGE 40" AND MINIMUM 18" ABOVE FINISHED ROOF.		
②	PROVIDE NEMA 3R DISCONNECT SWITCH.			⑨	FAN BRAKE HORSEPOWER SHALL NOT EXCEED 85% OF SCHEDULED NOMINAL MOTOR HORSEPOWER.			⑭	PROVIDE ALUMINUM GRILLE WITH WHITE PAINTED FINISH.			㉑	UL 507 LISTED.			㉖	PROVIDE HINGED FAN CURB CAP FOR DAMPER SERVICE/MAINTENANCE.			㉒			
③	PROVIDE NEMA PREMIUM EFFICIENCY INVERTER DUTY MOTOR WITH CLASS H INSULATION.			⑩	PROVIDE LOW LEAK GRAVITY BACKDRAFT DAMPER.			⑮	PROVIDE BELT DRIVE WITH MINIMUM TWO GROOVE ADJUSTABLE MOTOR SHEAVE, 1.50 SERVICE FACTOR RATING.			㉒	UL 705 LISTED.			㉗	PROVIDE ROOF CURB DAMPER TRAY.			㉓			
④	PROVIDE AEGIS MOTOR SHAFT GROUNDING RING.			⑪	PROVIDE DUCT MOUNTED DOUBLE-FLANGED GREENHECK M/N: VCD-23 CLASS 1A LOW-LEAK ISOLATION DAMPER WITH NORMALLY CLOSED 2-POSITION SPRING RETURN ACTUATOR. COORDINATE ACTUATOR CONTROL VOLTAGE WITH BMS OR EQUIPMENT SERVED.			⑯	PROVIDE FAN BEARINGS WITH MINIMUM 100,000 HOUR L10 / 500,000 HOUR L50 LIFE.			㉓	UL 762 LISTED.			㉘	PROVIDE ROOF CURB WITH ROOF INSULATION THICKNESS, SLOPE AND STRUCTURE CONSTRUCTION. ROOF CURB HEIGHT SHALL BE MINIMUM 14" ABOVE FINISHED ROOF.			㉔			
⑤	VARIABLE SPEED DRIVE PROVIDED INTEGRAL WITH FAN.							⑰	PROVIDE GREASE TRAP.			㉔	PROVIDE WALL MOUNTED BAFCON CONTROLLER WITH INTEGRAL TEMPERATURE SENSOR AND BMS BAKNET INTERFACE MOUNTED ON 4 INCH X 4 INCH JUNCTION BOX, MULTI-FAN ACCESSORY KIT, AND DAISY CHAINED 568B CATEGORY 5 COMMUNICATION CABLE IN 1/2 INCH CONDUIT ROUTED BETWEEN CONTROLLER AND FANS.						㉕	PROVIDE MINIMUM 18 INCH HIGH WELDED GALVANIZED STEEL ROOF CURB WITH 1"-3# INSULATION, LINER, AND CURB GASKET. COORDINATE ROOF CURB WITH ROOF INSULATION THICKNESS, SLOPE AND STRUCTURE CONSTRUCTION. ROOF CURB HEIGHT SHALL BE MINIMUM 14" ABOVE FINISHED ROOF.	⑤0	FAN SHALL HAVE CURRENT FLORIDA PRODUCT APPROVAL AND MIAMI-DADE NOA NUMBER.	
⑥	VARIABLE SPEED DRIVE PROVIDED INTEGRAL WITH KITCHEN HOOD.							⑱	PROVIDE RUBBER-IN-SHEAR HANGER KIT.												⑤1	EXISTING FAN TO REMAIN AND ABANDONED IN PLACE FOR LANDLORD'S FUTURE USE.	
⑦	PROVIDE MOUNTED AND WIRED MOTOR SPEED CONTROLLER.							⑲	PROVIDE ONE INCH DEFLECTION SPRING HANGER KIT.												⑤2	FAN PROVIDED BY KITCHEN EQUIPMENT VENDOR.	
				⑫	PROVIDE FAN ACCESS PANEL.																		

PLAN MARK	FILTER POSITION	EFF. (MERV)	AIRFLOW (CFM)	MIN. AREA (SQ. FT.)	FACE VEL. (FPM)	AIR P.D. INITIAL/FINAL (IN. W.C.)	QUANTITY & SIZE (QTY.-WXHXD, IN.)	REMARKS
RTU-1	PRE	8	1800	7.1	254	0.25/1.00	4-16X16X2	①②③④⑤
RTU-2	PRE	8	2550	11.1	230	0.25/1.00	4-20X20X2	①②③④⑤
RTU-3	PRE	8	2550	11.1	230	0.25/1.00	4-20X20X2	①②③④⑤
RTU-4	PRE	13	4500	16.1	280	0.40/1.50	2-18X20X4 4-20X20X4	①②③④⑤
RTU-5	PRE	8	2550	11.1	230	0.25/1.00	4-20X20X2	①②③④⑤
RTU-6	PRE	13	4980	26.0	192	0.40/1.50	6-25X25X4	①②③④⑤
MAU-1	PRE	-	4890	16.0	306	0.10/1.00	2-12X25X2 4-16X25X2	②③④⑤
MAU-2	PRE	-	6150	26.0	237	0.10/1.00	6-25X25X2	②③④⑤
MAU-3	PRE	-	7600	26.0	292	0.10/1.00	6-25X25X2	②③④⑤

① PROVIDE THE FOLLOWING MINIMUM SETS OF FILTERS: 1 SET BEFORE UNIT STARTUP; 1 SET BEFORE TAB; 1 SET DAY OF SUBSTANTIAL COMPLETION.

② REPLACE FILTERS DURING CONSTRUCTION WHEN FILTER AIR PRESSURE DROP EXCEEDS 0.50 IN WG.

③ INCLUDE FILTER MANUFACTURER'S RECOMMENDED DIRTY FILTER AIR PRESSURE DROP IN UNIT INTERNAL LOSSES. SEE EQUIPMENT SCHEDULES.

④ FILTER FACE VELOCITY SHALL NOT EXCEED 300 FPM.

⑤ PARTICULATE FILTERS SHALL BE RATED AND CERTIFIED PER ASHRAE 52.2 AND UL 900 LISTED.

PLAN MARK	MAKE	MODEL NUMBER	TYPE	AIRFLOW (CFM)	APD (IN. W.C.)	THROAT VELOCITY (FPM)	INTAKE VELOCITY (FPM)	OPER. WEIGHT (LB)	CONTROL INTERLOCKS	EQUIPMENT INTERLOCKS	REMARKS
GV-1-EXH	GREENHECK	FGR-8X8	EXHAUST	300	0.07	675	-	50	NONE	RTU-1	① 2 4 6 7 8 9 10
GV-2-1-EXH	GREENHECK	FGR-8X8	EXHAUST	300	0.07	675	-	50	NONE	RTU-2	① 2 4 6 7 8 9 10
GV-2-2-EXH	GREENHECK	FGR-8X8	EXHAUST	200	0.03	450	-	50	NONE	RTU-2	① 2 4 6 7 8 9 10
GV-4-1-RLF	GREENHECK	FGR-28X28	RELIEF	1760	0.02	323	-	117	NONE	RTU-4	① 2 4 6 7 8 9 10
GV-6-1-RLF	GREENHECK	FGR-34X34	RELIEF	3010	0.02	375	-	142	NONE	RTU-6	① 2 4 6 7 8 9 10

① PROVIDE ALUMINUM CONSTRUCTION.

② PROVIDE 12 INCH HIGH BASE HEIGHT.

③ PROVIDE ALUMINUM BIRDSCREEN.

④ PROVIDE ALUMINUM INSECT SCREEN.

⑤ PROVIDE GALVANIZED STEEL LOW LEAK GRAVITY BACKDRIFT DAMPER.

⑥ PROVIDE GREENHECK M/N: ES-11 ALUMINUM LOW LEAK PRECISION GRAVITY BACKDRIFT DAMPER. COORDINATE DAMPER BLADE COUNTER-WEIGHT SETTING WITH TEST AND BALANCE CONTRACTOR TO PROVIDE SPACE PRESSURE RELIEF AT 0.075 IN. W.G.

⑦ PROVIDE HINGED GRAVITY VENTILATOR/CURB CAP FOR DAMPER SERVICE/MAINTENANCE ACCESS.

⑧ PROVIDE ROOF CURB DAMPER TRAY.

⑨ PROVIDE MINIMUM 18 INCH HIGH GALVANIZED STEEL ROOF CURB WITH 1"-3# INSULATION, LINER, AND CURB GASKET. COORDINATE ROOF CURB WITH ROOF INSULATION THICKNESS, SLOPE AND STRUCTURE CONSTRUCTION. ROOF CURB HEIGHT SHALL BE MINIMUM 14" ABOVE FINISHED ROOF.

⑩ GRAVITY VENTILATOR SHALL HAVE CURRENT FLORIDA PRODUCT APPROVAL AND MIAMI-DADE NOA NUMBER.