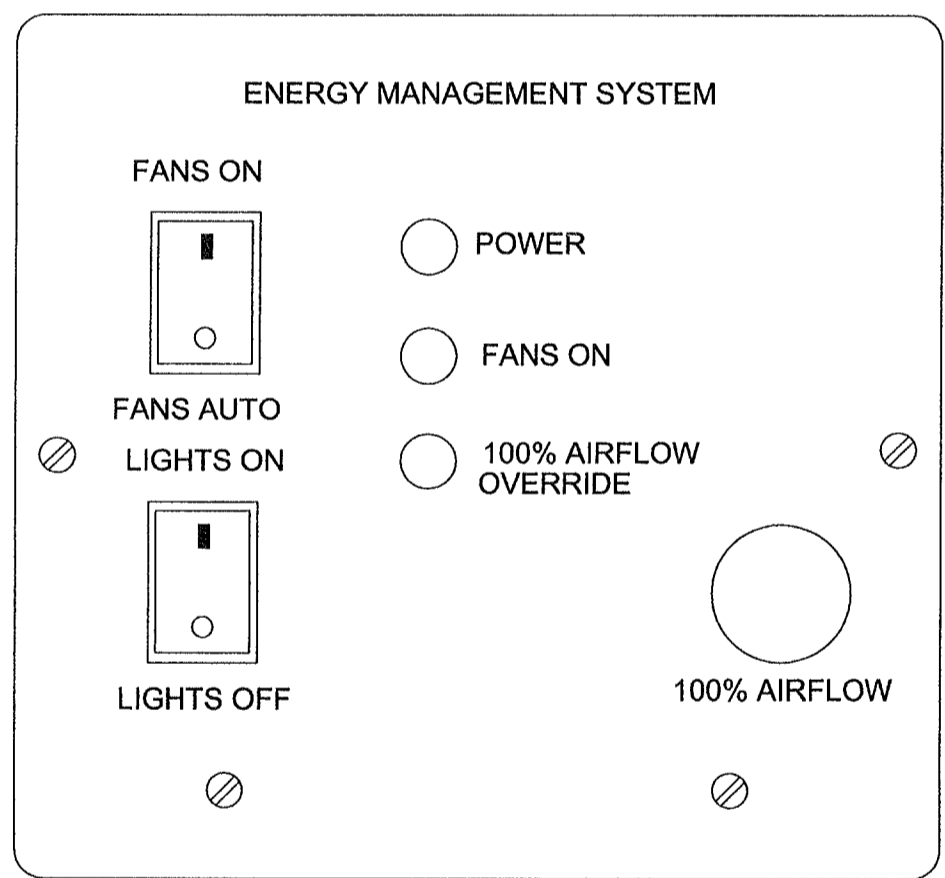


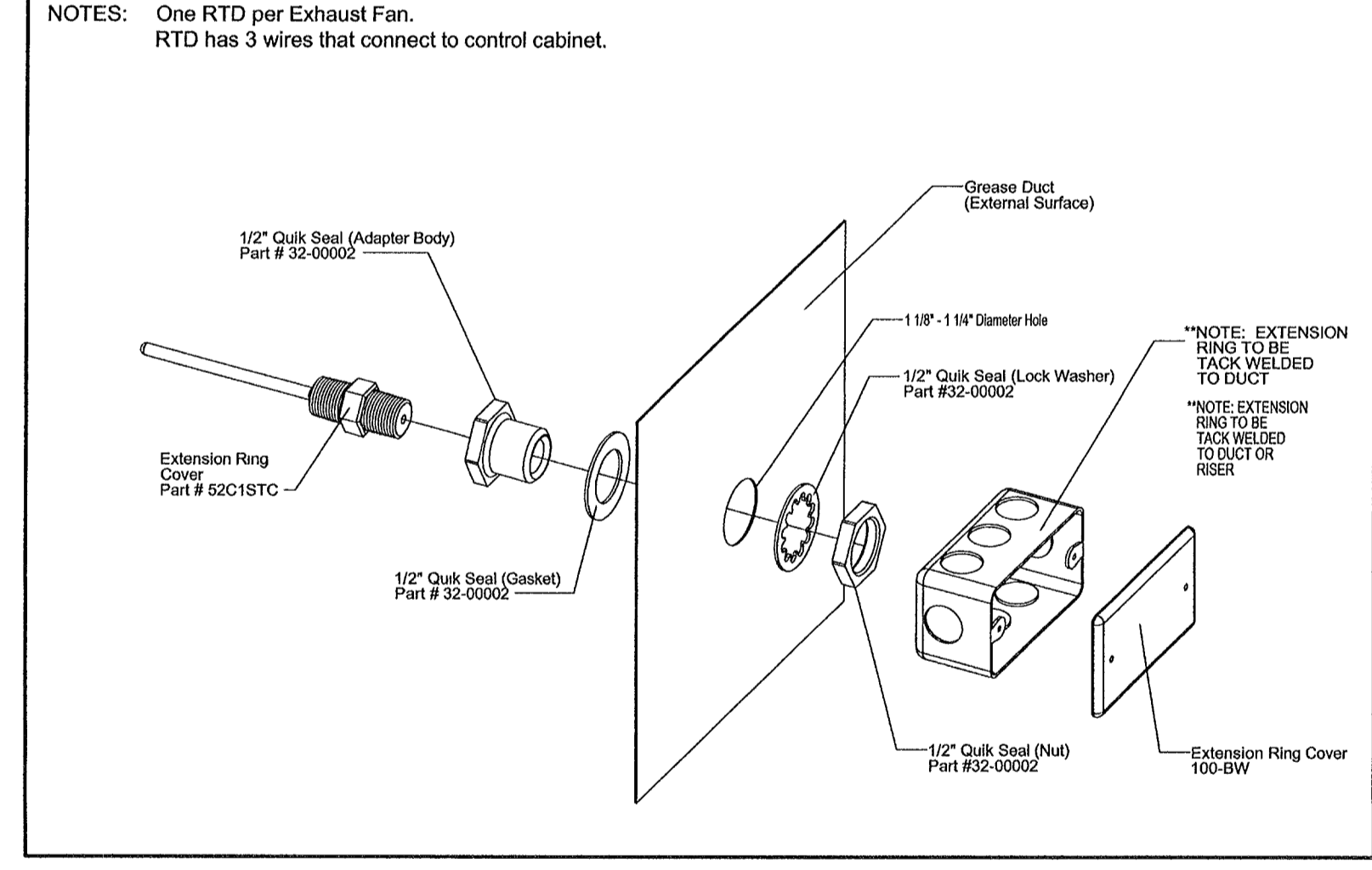
TYPICAL INTERFACE CONTROL



ELECTRICAL PACKAGES

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		ROOFTOP STARTERS	OPTION	FANS CONTROLLED			
				LOCATION	QUANTITY			TYPE	G	H.P.	VOLT
2		EMS21183	Utility Cabinet Right	Utility Cabinet Right	1 Light		EMS 83: Exhaust in Fire, Lights out in Fire	Exhaust	3	0.750	460
				Hood # 4	1 Fan 1 Other			Exhaust	3	0.750	460
								Supply	3	1.000	460

RTD SENSOR INSTALLATION



FOR QUESTIONS, CALL
 KURT CURTIS: REGIONAL MANAGER
 133 KISSLING ST. SAN FRANCISCO, CA 94103
 PHONE: (415) 956-2200
 FAX: (919) 227-5940
 EMAIL: kreg91@captiveaire.com

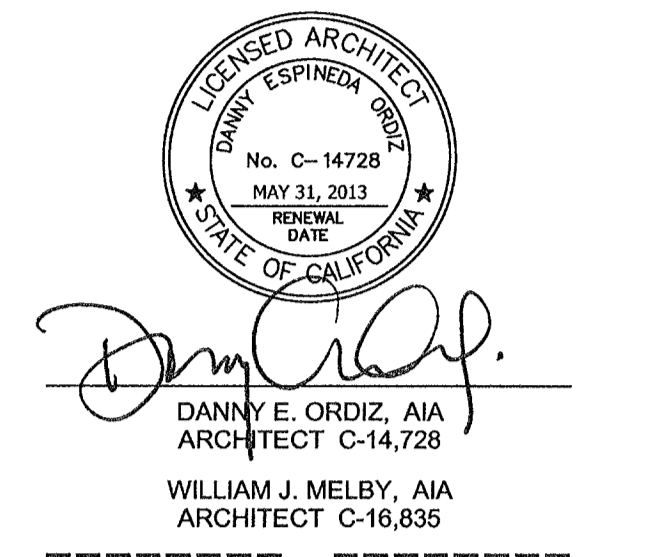
ENERGY MANAGEMENT SYSTEM

Controls shall be capable of reducing exhaust and supply airflow quantities by 20% minimum using a high/low speed control system. High and Low speeds shall be adjustable by variable frequency drives. A temperature switch in the exhaust duct shall control airflow set point. A 100% airflow override button shall be supplied with an adjustable timer.

Control shall be used in kitchen exhaust applications to reduce exhaust and supply air volumes while cooking appliances are idling.

The Energy Management System complies with IMC 2006 507.2.1.1 by interlocking with cooking appliances through means of a heat sensor to automatically activate exhaust fans during cooking operations.

The EMS system must be field commissioned under spec section 15800 and optimized for maximum energy performance. Field adjust high and low fan VFD settings and high and low fan VFD settings to work with typical minimum cooking (prep time) and maximum cooking conditions. This typically takes several days of working with the kitchen personnel to achieve the desired result. Include a minimum of three days for commissioning the controls after the building is operating and functioning. The goal is minimum VFD drive settings whenever possible.



IDENTIFICATION STAMP
 DIVISION OF STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. #02-112027
 FILE # 15-6
 DATE JAN 20 2012
 PTN # 63321-112

NEW ELEMENTARY SCHOOL
 9801 HIGHLAND KNOLLS DR
 BAKERSFIELD CALIFORNIA 93306

NEW MIDDLE SCHOOL
 4115 VINELAND ROAD
 BAKERSFIELD CALIFORNIA 93306

FOR:
BAKERSFIELD CITY SCHOOL DISTRICT
 1300 BAKER STREET
 BAKERSFIELD CALIFORNIA 93305

MARK	DATE	DESCRIPTION
△		
△		
△		
△		

200101244
 CAD DRAWING FILE:
 DRAWN BY: KW
 CHECKED BY: MB
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