

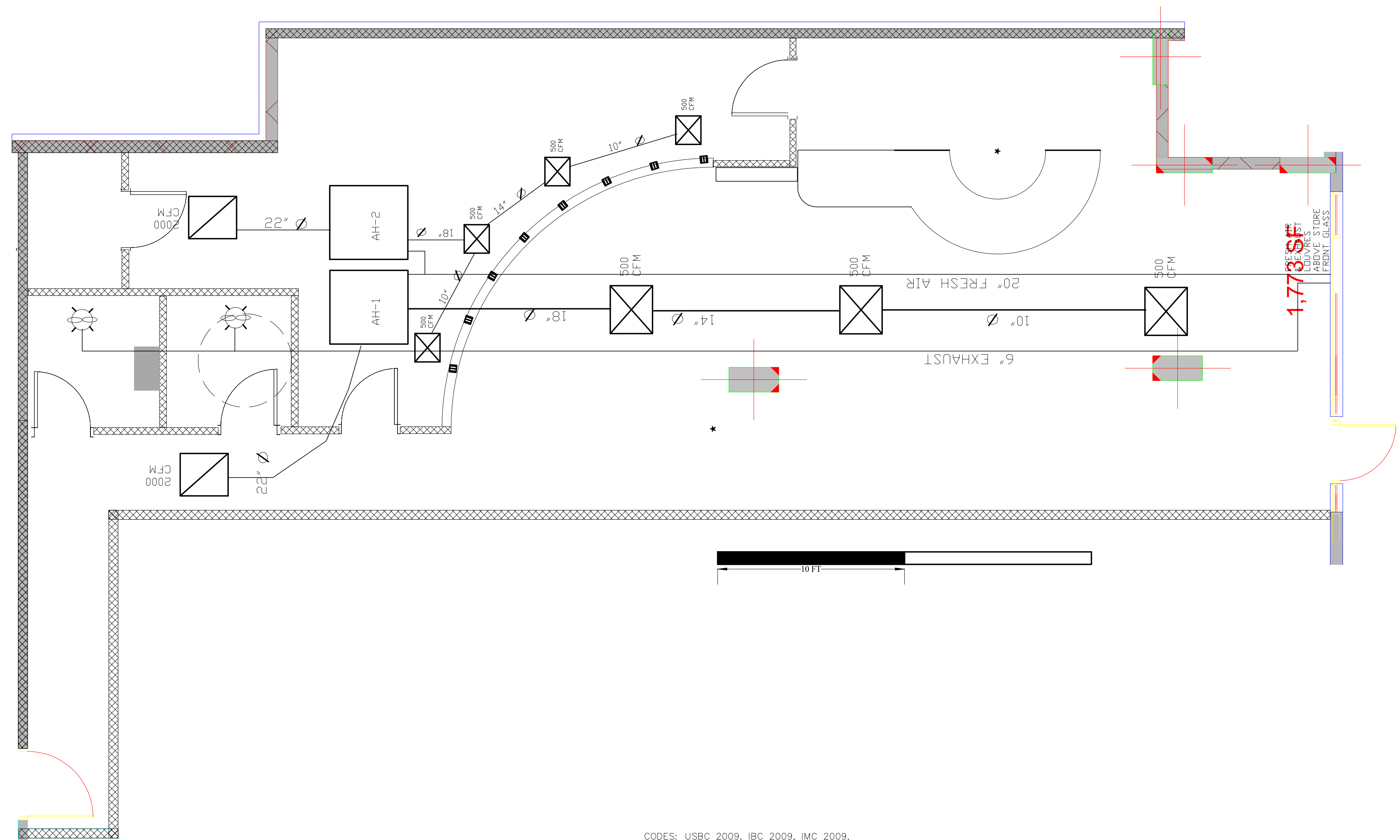
Project Name: Crave Frozen Yogurt
 Date: 11/15/2012
 Unit Model: York 7.5 ton RTU
 Unit Total Supply Air: 3,000 CFM

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Room Number	Description	Area (ft^2) (Az)	Area Outdoor Air Rate per VMC Table 403.3 (Ra)	Area Outdoor Air (RaAz)	Occupant Load Rate per VMC Table 403.3 (People/1000 ft^2)	Occupancy C x F/1000 Pz	Occupant Outdoor Air Rate per VMC Table 403.3 (Rp)	Occupant Outdoor Air (RpPz)	Breathing Zone Outdoor Air (Vbz=RpPz+RaAz)	Zone Air Distribution Effectiveness (Ez)	Zone Outdoor Air (Voz=Vbz/Ez)	Supply Air Design (Vpz)	Secondary Recirculated Air
	Dining Room	712	0.18	128	70	50	7.5	373.8	502.0	0.8	627.5	1000	0
	Kitchen	212	0	0	0	0	0	0.0	0.0	0.8	0.0	500	
	Office	80	0.06	5	5	0	5	2.0	6.8	0.8	8.5	100	
	Toilet	50	0	0	0	0	0	0.0	0.0	0.8	0.0	50	
	Toilet	50	0	0	0	0	0	0.0	0.0	0.8	0.0	50	
	Corridors	668	0.06	40	0	0	0	0.0	40.1	0.8	50.1	300	
	Totals	1772		173		50		375.8	548.8		686.1	2000	0

Do not utilize Occupant Diversity without specific approval from the Authority Having Jurisdiction	Occupant Diversity D=Pz/(Sum All Zones Pz)	Uncorrected O.A. Vou=D*(Sum all zones RpPz+Sum all zones RzAz)	Total Outdoor Air Required	Percentage of Outdoor Air
	1.000	548.8	871.1746032	44%
System Population (Ps) Diversity	Method			
95	IMC Chart			

HVAC EQUIPMENT SCHEDULE							
UNIT	BRAND	MODEL	TONS	VOLTAGE	MCA	MCB	
HP-1	GOODMAN	G-GSZ130481	4	208	19.9	45	
HP-2	GOODMAN	G-GSZ130601	5	208	26.4	60	
AH-1	GOODMAN	G-ARUF48D14	4	208	5.9	15	
AH-2	GOODMAN	G-AVPTC426014	5	208	5.9	15	

HEAT PUMPS TO BE LOCATED IN G1 LEVEL DIRECTLY BELOW TENANT SPACE



CODES: USBC 2009, IBC 2009, IMC 2009, IPC 2009, NEC 2008, IFGC 2009, IFC 2009, IECC 2009, ICC ANSI A117.1
 USE GROUP: A2 - No Alcoholic Beverages
 CONSTRUCTION TYPE: II-B NON-COMBUSTIBLE

ADDENDUMS/REVISIONS:

Crave Frozen Yogurt
 (540)300-1410



PROPOSED FLOORPLAN
 SELF SERVICE FROZEN YOGURT
 2750-C Gallows Road
 Vienna, VA

STATUS
 DATE 10/21/12
 SHEET NO. M 1

CRAVE FLOORPLAN V1