

FAN SCHEDULE				
PROJECT: OPTIMUM CARE				
TAG	EF-1-7, 9-28	KEF-1,2	EF-8	MAF-1,2
SERVICE	EXHAUST	EXHAUST	EXHAUST	SUPPLY
AREA SERVED	RESTROOM	KITCHEN	BEAUTY	KITCHEN
FAN TYPE	CABINET FAN	ROOF UPBLAST	CABINET FAN	DIRECT INLINE
WHEEL TYPE	CENTRIFUGAL	BACKWARD INCLINED	CENTRIFUGAL	BACKWARD INCLINED
AIR FLOW CFM	100	1400	375	1100
EXT. STATIC PRES	0.2" WG	1.0" WG	0.2" WG	0.25" WG
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
MOTOR DATA	80 W	1/2 hp	144 W	1/4 hp
VOLTS/PH/CYCLES	115/1/60	115/1/60	115/1/60	115/1/60
ACCESSORIES				
FACTORY DISCONNECT	NO	YES	NO	YES
BACK DRAFT DAMPER	YES	NO	YES	NO
FAN SPEED CONTROLLER	YES	NO	YES	YES
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL OR EQ.	SP-B110	CUE-121-A	CSP-A390	SQ-100-A
NOTES	1,2	3,4,5	1,2	2,4,6

NOTES:
1. INTERLOCK FAN WITH LIGHT SWITCH. COORDINATE WITH ELECTRICAL CONTRACTOR.
2. INSTALL VIBRATION ISOLATOR KIT FOR SUSPENDED INSTALLATION.
3. PROVIDE PITCHED ROOF CURB.
4. INTERLOCK KEF-1 AND MAF-1 FOR SIMULTANEOUS OPERATION.
5. FAN SHALL BE UL-782 LISTED FOR GREASE EXHAUST.
6. FAN SHALL HAVE FILTER BOX SEGMENT ACCESSORY.

HEAT PUMP SCHEDULE	
PROJECT: OPTIMUM CARE	
SYSTEM NUMBER	21
SERVICES	GARAGE
FAN COIL	
TAG	FCU-21
CONFIGURATION	CASSETTE
SUPPLY CFM	470
MCA/MOCP	0.4/15
VOLTS/PH/CYCLES	208/1/60
SENSIBLE COOLING BTUH	14,100
RATED COOLING BTUH	18,000
ENT DB/WB, °F	80/67
LVG DB/WB, °F	55/54
RATED HEATING BTUH	20,000
FACTORY DISCONNECT	NO
SINGLE POINT WIRING	YES
CONCEALED CONDENSATE PUMP	NO
REFRIGERANT	R-410A
DAIKIN MODEL OR EQUAL	FCQ18PAVJU
CONDENSING UNIT	
TAG	CU-21
AMBIENT TEMP, °F	95
MINIMUM SYSTEM ARI SEER	17.2
SPEED	MODULATING
OPERATES DOWN TO, °F	23° CLG / 0° HTG
MCA/MOCP	16.5/20
VOLTS/PH/CYCLES	208/1/60
DAIKIN MODEL OR EQUAL	RZQ18PVJU9

NOTES:
• SINGLE POINT ELEC CONNECTION INCLUDES INTERNAL FUSING AND CONTACTORS FOR STARTERS FOR MOTORS

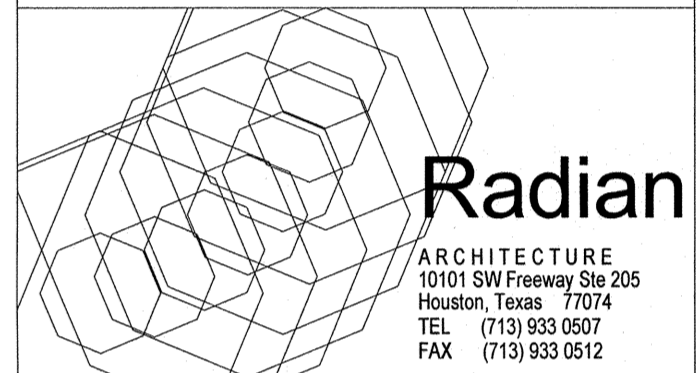
GAS FURNACE/COOLING COIL SCHEDULE							
PROJECT: OPTIMUM CARE							
SYSTEM NUMBER	1,8,12,17	2,9,13,18	3,10,14,19	4,11,15,20	5	6	7,16
AREA SERVED	GREAT ROOM	BEDROOMS	BEDROOMS	DINING	MULTIPURPOSE	OFFICE	KITCHEN
INDOOR UNIT TAG	FCU-1,8,12,17	FCU-2,9,13,18	FCU-3,10,14,19	FCU-4,11,15,20	FCU-5	FCU-6	FCU-7,16
FURNACE DATA							
CONFIGURATION	HORIZONTAL	HORIZONTAL	HORIZONTAL	HORIZONTAL	HORIZONTAL	HORIZONTAL	HORIZONTAL
CFM	1370	1225	1400	1050	875	935	1835
OUTSIDE AIR CFM	125	200	240	160	125	135	105
EXT. STATIC PRESSURE IN. W.C.	0.25	0.4	0.4	0.25	0.4	0.4	0.3
FAN HP	3/4	3/4	3/4	3/4	3/4	3/4	3/4
VOLTS/PHASE	120/1	120/1	120/1	120/1	120/1	120/1	120/1
MCA/MOCP	10.3/15	10.3/15	10.3/15	9.5/15	9.5/15	9.5/15	10.3/15
ECM MOTOR	YES	YES	YES	YES	YES	YES	YES
GAS HEAT MBH INPUT	84,000	84,000	84,000	63,000	84,000	84,000	84,000
MBH OUTPUT	69,000	69,000	69,000	51,000	69,000	69,000	69,000
MIN AFUE %	80	80	80	80	80	80	80
HEATING STAGES	1	1	1	1	1	1	1
FILTER TYPE	2" / MERV 8	2" / MERV 8	2" / MERV 8	2" / MERV 8	2" / MERV 8	2" / MERV 8	2" / MERV 8
MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL OR APPROVED EQUAL	58PH*090-16	58PH*090-16	58PH*090-16	58PH*070-16	58PH*070-16	58PH*070-16	58PH*090-16
DX COIL DATA							
COOLING COIL NOMINAL TONS	3.5	3.5	4	2.5	2.5	2.5	5
AIR ENT DB/WB	76.9/63.2	78.6/65.4	79.6/66.2	79.9/66.9	78.7/66.7	78.1/64.6	80.0/67.2
AIR LVG DB/WB	55/54	55/54	55/54	55/54	55/54	55/54	55/54
CAPACITY BTUH SENSIBLE	29,000	26,900	28,400	16,200	18,100	19,200	41,700
CAPACITY BTUH TOTAL	36,300	38,600	42,300	28,700	28,000	26,800	50,000
MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL OR APPROVED EQUAL	CNPHP42	CNPHP42	CNPHP48	CNPHP30	CNPHP30	CNPHP30	CNPHP60
CONDENSING UNIT TAG							
CU-1,8,12,17	CU-2,9,13,18	CU-3,10,14,19	CU-4,11,15,20	CU-5	CU-6	CU-7,16	
AMBIENT TEMP, °F	95	95	95	95	95	95	95
MINIMUM ARI SEER	13	13	13	13	13	13	13
OPERATES DOWN TO, °F	30	30	30	30	30	30	30
VOLTS/PH/CYCLES	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60
MCA/MOCP	23.5/40	23.5/40	26.2/40	16.8/25	16.8/25	16.8/25	34.2/50
MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL OR APPROVED EQUAL	24ABB342	24ABB342	24ABB348	24ABB330	24ABB330	24ABB330	24ABB360

NOTES:
1 SCHEDULED EXTERNAL STATIC PRESSURE DOES NOT INCLUDE UNIT CASING, COOLING COIL, HEATING COIL, OR FILTER LOSSES.
2 PROVIDE PROGRAMMABLE THERMOSTAT OR SENSOR/CONTROLLER AS INDICATED.
3 CONFORM TO THE LOCAL ADOPTED IECC AND AMENDMENTS.
4 PROVIDE ELECTRICAL DISCONNECT.
5 PROVIDE ANTI-SHORT CYCLE KIT AND TIME DELAY RELAY.
6 PROVIDE CRANKCASE HEATERS.
7 PROVIDE DRAIN PAN BELOW UNIT.
8 INTERLOCK GAS FURNACE WITH CONDENSING UNIT TO ENSURE NON-SIMULTANEOUS OPERATION.
9 PROVIDE NON-HCFC REFRIGERANT AND PROOF OF PROPER REFRIGERANT CHARGE.
10 BLOWER ACCESS PANEL SHALL BE CONFIGURED ON ACCESSIBLE SIDE OF UNIT. REFER TO PLANS FOR ACCESS LOCATIONS.

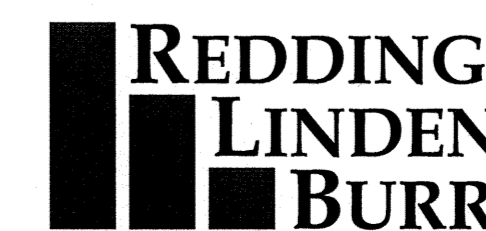
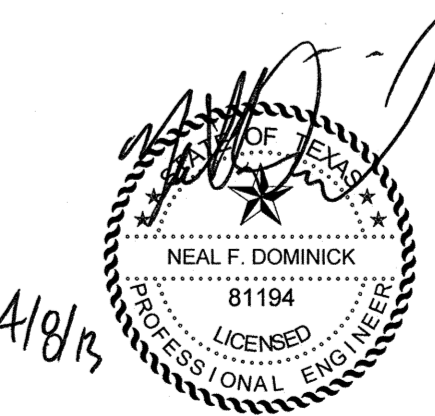
Air Terminal Schedule						
Mark	System Type	Model (or approved equal)	Neck Size	CFM Range	Description	Comments
A	Supply Air	Krueger 6500	6" Ø	0-120	12"x12" Face, Steel, Coordinate Finish	1,2,3,4
A	Supply Air	Krueger 6500	8" Ø	125-250	16"x16" Face, Steel, Coordinate Finish	1,2,3,4
A	Supply Air	Krueger 6500	12" Ø	255-550	24"x24" Face, Steel, Coordinate Finish	1,2,3,4
B	Supply Air	Krueger 56500	12" Ø	255-550	24"x24" Face, Aluminum, Coordinate Finish	1,2,3,4
C	Return Air	Krueger S580	10"x10"	105-175	12"x12" Face, Steel, Coordinate Finish	3,4
C	Return Air	Krueger S80	12"x12"	180-300	15"x15" Face, Steel, Coordinate Finish	3,4
C	Return Air	Krueger S80	16"x16"	305-500	19"x19" Face, Steel, Coordinate Finish	3,4
C	Return Air	Krueger S80	22"x22"	505-1300	24"x24" Face, Steel, Coordinate Finish	3,4
D	Supply Air	Krueger 880	12"x10"	435-575	Sidewall Diffuser, Steel, Coordinate Finish	2,3,4
D	Supply Air	Krueger 880	18"x10"	485-775	Sidewall Diffuser, Steel, Coordinate Finish	2,3,4
D	Supply Air	Krueger 880	18"x12"	780-945	Sidewall Diffuser, Steel, Coordinate Finish	2,3,4
E	Return Air	Krueger S580	6"x4"	0-100	8"x6" Face, Aluminum, Coordinate Finish	3,4
E	Return Air	Krueger S580	18"x8"	180-400	20"x10" Face, Aluminum, Coordinate Finish	3,4
E	Return Air	Krueger S580	22"x22"	505-1300	24"x24" Face, Aluminum, Coordinate Finish	3,4
F	Supply Air	Krueger 600	12"x4"	0-250	Door Grille, Steel, Coordinate Finish	4

- 4-WAY THROW UNLESS OTHERWISE INDICATED ON PLAN.
- PROVIDE OPPOSE BLADE DAMPER AT EACH SUPPLY AND EXHAUST UNLESS BALANCING DAMPER IS PROVIDED AT RUNOUT TAKE-OFF.
- LAY-IN OR SURFACE MOUNT FRAME TO MATCH ARCHITECTURAL CEILING TYPE.
- COORDINATE FINISH WITH ARCHITECT

OPTIMUM CARE
SUGAR LAND, TEXAS



Revision Schedule		
#	Date	Description
1	4-08-13	PERMIT, PRICING, AND CONSTRUCTION



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Project No.
MECH SCHEDULES
Sheet No.

M2.1