

MULTI-ZONE HEAT LOSS DESIGN ANALYSIS Page 1 DATE: **ENERGY CODE INFORMATION** POST FRAME PROJECT DESIGNER: JOB NAME: Sports Complex COMPANY: FLOOR AREA: 11.200 SQ. FT. COMPANY: ADDRESS: WINDOW AREA: 45 SQ. FT. ADDRESS: CITY, ST: % OF GLASS TO CITY, ST: PHONE: FLOOR AREA: 0.4% PHONE: ZONE 1 ZONE 2 ZONE 3 **ZONE 4 ZONE 5** ZONE 6 DESCRIPTION UNITS HEAT LOSS "U"-VALUE or R-VALUE **TOTALS** 45 SQ. FT. INSULATED WINDOW AREA (U-VALUE) 0.39 1.176 BTU/HR INSULATED DOOR AREA (U-VALUE) 0.15 2.236 SQ. FT. 22.472 BTU/HR INSULATED SKYLIGHTS (U-VALUE) 0.66 SQ. FT. BTU/HR 20.0 HEIGHT EXTERIOR WALL HEIGHT-----LENGTH OF UNHEATED EXTERIOR EDGE-----440 LN. FT. INSULATED WALL AREA (R-VALUE) 6,519 SQ. FT. 22,988 BTU/HR 19.00 ADDITIONAL INSULATED WALL AREA 19.00 SQ. FT. BTU/HR TOTAL GROSS FLOOR AREA-----11,200 SQ. FT. INSULATED FLOOR AREA (R-VALUE) SQ. FT. BTU/HR 19.00 INSULATED SLAB AREA* (R-VALUE) 10.00 8.000 SQ. FT. 17,496 BTU/HR INSULATED CEILING AREA (R-VALUE) 30.00 8.000 SQ. FT. 17.867 BTU/HR ADDITONAL AIR VOLUME----CU. FT. TOTAL AIR VOLUME -----224,000 CU. FT. 486,259 BTU/HR AIR CHANGES PER HOUR-----1.80 1.80 1.80 1.80 1.80 1.80 ACH TOTAL HEAT LOSS PER ZONE-----> 550,762 BTU/HR 568,258 BTU/HR KITEC® RADIANT DESIGN WORKSHEET *SLAB LOSS FIGURED BELOW © Copyright 1997-98 Bio-Radiant Energy, Inc. All Rights Reserved INPUT VALUES ZONE 1 ZONE 3 ZONE 4 ZONE 2 ZONE 5 ZONE 6 UNITS To-OUTDOOR DESIGN TEMPERATURE -7 -7 -7 -7 -7 -7 DEG. F 60 60 60 60 60 60 DEG. F Ta-ROOM TEMPERATURE Qr-RADIANT FLOOR LOAD AT DESIGN CONDITIONS 550,762 BTU/HR A-NET RADIANT SLAB SURFACE AREA 11.200 SQ. FT. Ua-ENERGY TRANSFER FROM RADIANT SURFACE 2 BTU/HR/SQ. FT./DEG. F TYPE OF FLOOR or SURFACE COVERING Bare Slab Bare Slab Bare Slab Bare Slab Bare Slab Bare Slab Uc-U-VALUE OF FLOOR COVERING 30.00 30.00 30.00 30.00 30.00 30.00 BTU/HR/SQ. FT./DEG. F Us-ESTIMATED U-VALUE WITHIN SLAB 1.01 1.01 1.01 1.01 1.01 1.01 BTU/HR/SQ, FT./DEG, F De-DEPTH OF TUBING IN SLAB OR THICKNESS OF FLOOR 2.00 2.00 2.00 2.00 2.00 2.00 INCHES Qi-INTERIOR SLAB HEAT LOSS 2.00 2.00 2.00 2.00 2.00 2.00 BTU/HR/SQ. FT. Ue-U-VALUE AT SLAB EDGE 0.10 0.10 0.10 0.10 0.10 0.10 BTU/HR/SQ. FT./DEG. F TYPE OF TRANSFER FLUID 25% Glycol 25% Glycol 25% Glycol 25% Glycol 25% Glycol 25% Glycol FLUID Df-DENSITY OF HEAT TRANSFER FLUID 8.55 8.55 8.55 LBS/GAL. 8.55 8.55 8.55 Cf-HEAT CAPACITY OF HEAT TRANSFER FLUID 0.93 0.93 0.93 0.93 0.93 0.93 BTU/LB/DEG, F Td-FLUID TEMPERATURE DROP 20 20 20 20 20 20 DEG. F Le-DESIRED LOOP LENGTH 250 250 250 250 250 250 Sp-AVERAGE PIPE SPACING 12 INCHES ON CENTER INSTALLATION METHOD Slab on Grade **CALCULATED VALUES** ZONE 5 ZONE 1 ZONE 2 ZONE 3 ZONE 4 ZONE 6 1. Tr-DESIGN TEMPERATURE DIFFERENTIAL 67 67 67 67 67 **67** DEG. F 2. Qu-HEAT LOAD PER SQ. FT. OF RADIANT SURFACE 49.18 BTU/HR/SQ. FT.

DEG. F

85

3. Tc-SURFACE TEMPERATURE OF FLOOR COVERING

4. Ts-SURFA	ACE TEMPERATURE OF RA	ADIANT SURFACE	87						DEG. F	
5. Tf-AVERAGE TEMPERATURE OF TRANSFER FLUID		136						DEG. F		
6. Ti-SUPPLY TEMPERATURE OF TRANSFER FLUID		146						DEG. F		
7. Te-TEMPERATURE DIFFERENCE AT SLAB EDGE		94						DEG. F		
8. Qi-INTERIOR SLAB HEAT LOSS TO GROUND		13,360						BTU/HR		
9. Qe-EDGE SLAB HEAT LOSS TO GROUND		OUND	4,136						BTU/HR	
10. Qg-TOTAL SLAB HEAT LOSS TO GROUND		17,496						BTU/HR		
11. Qt-TOTAL HEAT LOAD AT DESIGN CONDITIONS		CONDITIONS	568,258					BTU/HR		
12. Qut-TOTAL HEAT LOAD PER SQ. FT.			50.74						BTU/HR/SQ. I	= T.
	RANSFER FLUID FLOW RA		59.55						GPM	
14. Pd-PRESSURE DROP ACROSS KITEC® PIPING		EC® PIPING	6.78						PSI	
SELECTED KITEC® PIPE SIZE†		1/2" KITEC®						SIZE		
TOTAL NUMB	BER OF LOOPS		45						LOOPS	
ESTIMATED T	TOTAL FEET OF KITEC ® R	RADIANT PIPING	11,250						LN. FT.	
REQUIRED A	AUXILIARY HEAT OUTPUT	AT DESIGN							BTU/HR	
HYDRONIC B	BASEBOARD (580 BTU/FT	. @180 DEG. F)							LN. FT.	
OPTIONALLY INCREASE RADIANT SURFACE AREA								SQ. FT.		
ENTER ACTUAL SUPPLIED AUXILIARY HEAT OUTPUT>								BTU/HR		
†For Larger Size Consult IPEX, Inc. Des Moines			Weather Data Information				Data Summary Table No. 1			
FUEL TY	YPE LOCAL	UNITS	COS	ST PER MILLION B	BTU	Deg. Day	TOTAL			
FUEL TY	YPE LOCAL FUEL COST	UNITS		ST PER MILLION B ON 100% EFFICI		Deg. Day Base	TOTAL Deg. Days	TOTAL RADIANT REVISED HEAT L	SURFACE:	11,200 SQ. FT. 568,258 BTU/HR
FUEL TY	FUEL COST	UNITS						TOTAL RADIANT	SURFACE: .OSS:	11,200 SQ. FT.
	FUEL COST AS \$0.95			ON 100% EFFICI		Base	Deg. Days	TOTAL RADIANT REVISED HEAT L	SURFACE: .OSS: TE:	11,200 SQ. FT. 568,258 BTU/HR
NATURAL GA	FUEL COST AS \$0.95	THERM		ON 100% EFFICI \$9.50		Base 65 DEG. F	Deg. Days 6,588	TOTAL RADIANT REVISED HEAT L	SURFACE: OSS: TE: _Y TEMP:	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM
NATURAL GA ELECTRICITY	FUEL COST AS \$0.95	THERM PER KWH		ON 100% EFFICI \$9.50		Base 65 DEG. F 60 DEG. F	Deg. Days 6,588 4,875	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL	SURFACE: OSS: TE: LY TEMP: OF LOOPS:	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F
NATURAL GA ELECTRICITY OIL	FUEL COST AS \$0.95 Y \$0.08 \$2.05 IENCY TYPE	THERM PER KWH PER GAL. PER GAL.		9 ON 100% EFFICI \$9.50 \$23.44		Base 65 DEG. F 60 DEG. F 55 DEG. F	Deg. Days 6,588 4,875 3,266	TOTAL RADIANT REVISED HEAT L' TOTAL FLOW RA' AVERAGE SUPPL TOTAL NUMBER (SURFACE: OSS: TE: LY TEMP: OF LOOPS: OOTAGE:	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS
NATURAL GA ELECTRICITY OIL PROPANE	FUEL COST AS \$0.95 Y \$0.08	THERM PER KWH PER GAL. PER GAL.	BASED	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: LY TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT.
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII	FUEL COST AS \$0.95 Y \$0.08 \$2.05 IENCY TYPE	THERM PER KWH PER GAL. PER GAL.	BASED ZONE 1	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: _Y TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL GAS	FUEL COST AS \$0.95 Y \$0.08 \$2.05 IENCY TYPE 90% CENTRAL FORCE 90% ZONED HYDRO-A 90% ZONED RADIANT	THERM PER KWH PER GAL. PER GAL. PED AIR MIR™ HEAT FLOOR	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: _Y TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL	FUEL COST AS \$0.95 Y \$0.08 \$2.05 IENCY TYPE 90% CENTRAL FORCE 90% ZONED HYDRO-A 90% ZONED RADIANT Y 100% CENTRAL FORCE	THERM PER KWH PER GAL. PER GAL. DED AIR MIRTM HEAT FLOOR ED AIR	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: _Y TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL GAS	FUEL COST AS \$0.95 Y \$0.08 \$2.05 IENCY TYPE 90% CENTRAL FORCE 90% ZONED HYDRO-A 90% ZONED RADIANT Y 100% CENTRAL FORCE 100% ZONED HYDRO-A	THERM PER KWH PER GAL. PER GAL. D AIR MIR™ HEAT FLOOR D AIR MIR™ HEAT	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: _Y TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL GAS ELECTRICITY	\$2.05 Second	THERM PER KWH PER GAL. PER GAL. DED AIR AIR™ HEAT FLOOR DED AIR AIR™ HEAT FLOOR FLOOR	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: _Y TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL GAS	FUEL COST AS \$0.95 Y \$0.08 \$2.05 IENCY TYPE 90% CENTRAL FORCE 90% ZONED HYDRO-A 90% ZONED RADIANT Y 100% CENTRAL FORCE 100% ZONED HYDRO-A 100% ZONED HYDRO-A 100% ZONED RADIANT 90% CENTRAL FORCE	THERM PER KWH PER GAL. PER GAL. DED AIR AIR™ HEAT FLOOR ED AIR	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: _Y TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL GAS ELECTRICITY	FUEL COST AS \$0.95 Y \$0.08 \$2.05 IENCY TYPE 90% CENTRAL FORCE 90% ZONED HYDRO-A 90% ZONED RADIANT Y 100% CENTRAL FORCE 100% ZONED HYDRO-A 100% ZONED HYDRO-A 100% ZONED RADIANT 90% CENTRAL FORCE 90% ZONED HYDRO-A 20NED HYDRO-A	THERM PER KWH PER GAL. PER GAL. DED AIR AIR™ HEAT FLOOR ED AIR AIR™ HEAT	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: _Y TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL GAS ELECTRICITY	\$1.00 FUEL COST \$1.00 \$1.00 \$2.05 \$1.00 \$1.00 \$2.05 \$1.00 \$1	THERM PER KWH PER GAL. PER GAL. DED AIR NIR™ HEAT FLOOR	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28 \$23,260.24	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: LY TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28 \$23,260.24
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL GAS ELECTRICITY	\$2.05 Second	THERM PER KWH PER GAL. PER GAL. DED AIR NIR™ HEAT FLOOR DED AIR	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28 \$23,260.24	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: LY TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28 \$23,260.24
NATURAL GA ELECTRICITY OIL PROPANE FUEL/ EFFICII NATURAL GAS ELECTRICITY	\$1.00 FUEL COST \$1.00 \$1.00 \$2.05 \$1.00 \$1.00 \$2.05 \$1.00 \$1	THERM PER KWH PER GAL. PER GAL. DED AIR DED AIR DED AIR DED AIR DES A	ZONE 1 \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28 \$23,260.24	9 ON 100% EFFICI \$9.50 \$23.44 \$22.41	ENCY	Base 65 DEG. F 60 DEG. F 55 DEG. F 50 DEG. F	Deg. Days 6,588 4,875 3,266 1,992	TOTAL RADIANT REVISED HEAT L TOTAL FLOW RA AVERAGE SUPPL TOTAL NUMBER (TOTAL KITEC® F	SURFACE: OSS: TE: LY TEMP: OF LOOPS: OOTAGE: ZONE	11,200 SQ. FT. 568,258 BTU/HR 59.55 GPM 146 DEG. F 45 LOOPS 11,250 LN. FT. COST TOTAL \$14,155.22 \$12,045.80 \$10,474.61 \$31,433.53 \$26,749.28 \$23,260.24

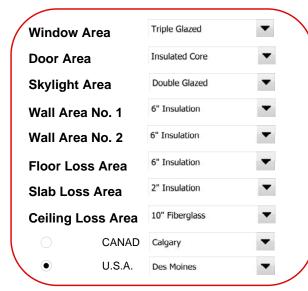
NOTE-These calculated annual cost estimates are based on 20 year average weather data and do not represent a guarantee of performance. Estimates are for space heating only and do not include the effects of passive solar or other internal gains as these factors are impossible to predict or control. These estimates should be used for comparative purposes only! All area measurements and "U"-Values are supplied by the Builder and/or the Architect. IPEX, Inc. assumes no responsibility for the accuracy of these measurements. All calculations are based upon these figures. Local fuel cost are estimated as closely as possible from local sources. It is the responsibility of the owner to obtain a quote for the cost of these fuels from the various suppliers. Your actual cost will vary from these figures, based on lifestyle, meter charges, connection fees and other additional charges. These annual cost comparisons are for space heating only, and do not include the effects of passive solar or other internal gains as these factors are impossible to predict or control. These estimates are for space heating only and do not include the effects of passive solar or other internal gains as these factors are impossible to predict or control. These estimates are for space heating only and do not include the effects of passive solar or other internal gains as these factors are impossible to predict or control. These estimates are for space heating only and do not include the effects of passive solar or other internal gains as these factors are impossible to predict or control. These estimates are for space heating only and do not include the effects of passive solar or other internal gains as these factors are impossible to predict or control. These estimates are for space heating only and do not include the effects of passive solar or other internal gains as these factors are impossible to predict or control. These estimates are for space heating only and do not include the effects of passive solar or other internal gains are for spa



POST FRAME PROJECT Page 2

AREA	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
WINDOW	1,176					
DOOR	22,472					
SKYLIGHT						
WALL 1	22,988					
WALL 2						
FLOOR						
SLAB	17,496					
CEILING	17,867					
AIR INFILTRATE	486,259					
TOTAL>	568,258					

Notes:



Υοι	ır project contains one or mo	re of the following eler	nents:
	Commercial	New Construction	Natural Gas
	Residential	Retrofit/Remodel	Electricity
	Industrial	System Upgrade	Fuel Oil
	Radiant Floor	Multi-Zone	Propane
	Domestic Hot	Hydro-Air Heat	Wood Heat
	Domestic Cold	Hydro-Air Cool	Coal Heat
	Ground Loop	Hydro-Baseboard	Solar Heat
	Root Bed Heat	Spa/Pool Heating	Ice Storage
	Sports Field	Sauna/Jacuzzi	Heat Storage
	Sterilize Soil	Outdoor Controls	Waste Heat
	Eave Melting	Heat Distribution	Heat Pump
	Compressed Air	Cool Distribution	Chiller

Floor Covering Fluid Type Installation Type Desired Pipe Size

Notes:



TOTAL OF PAGES

11,200

568,258

Notes: Data Summary Table No. 2 Kitec® Summary for Multiple Unit projects. RADIANT AREA ZONE OR AREA HEAT LOAD FLOW RATE SUPPLY TEMP. NUMBER OF TOTAL FOOTAGE **DESCRIPTION** (US GPM) LOOPS (SQ.FT.) (BTU/HR) (DEG. F) (LN. FT.) ZONE 1 11,200 568,258 59.55 146 45 11,250 **ZONE 2** ZONE 3 **ZONE 4** ZONE 5 **ZONE 6**

59.55

45

11,250