

carpentry team. One hydraulic door on the sidewall and one on the endwall are both 50' wide by 20' tall with an additional overhead door on the end wall elevation.

Jim Freehill is very satisfied with the project site work craftsmanship and quality of the product installed by CBC. Jim was also very impressed that the product has true thermal resistance R-33 due to the elimination of studs for thermal bridging, with thru solid wood spline systems for structural support of the wall framing.

We have enclosed a copy of the heat loss calculations of standard post frame construction in comparison to the EPS Solid Core construction system.

Ron and Galen Schaeffer of CBC also utilized the following products for energy efficient and sustainable construction for Jim Freehill's machine shop:

- Hayfield Vinyl Windows
- AJ Insulated Service Door
- Tyvek House Wrap
- EPS 29 gauge corrugated rolled steel siding and roofing with G-90 galvanized base

CBC project site preparation and the use of concrete pier-rebar systems with steel turnbuckles assured project site safety, wind resistance, including a thawing winter water conditions for project site success.

Thank you,

Dave Thomas
District Sales Manager
72 Burnette Drive
Antioch, IL 60002

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MULTI-ZONE HEAT LOSS DESIGN ANALYSIS

Page 1

DESIGNER:	DATE:	ENERGY CODE INFORMATION		JOB NAME:	SIP PROJECT	Consolidated Building Center Fresh Hill
COMPANY:		FLOOR AREA:	12,800 SQ. FT.	COMPANY:		
ADDRESS:		WINDOW AREA:	45 SQ. FT.	ADDRESS:		
CITY, ST:		% OF GLASS TO FLOOR AREA:	0.4%	CITY, ST:		
PHONE:				PHONE:		

DESCRIPTION	"U" VALUE or R-VALUE	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	UNITS	HEAT LOSS TOTALS
INSULATED WINDOW AREA (U-VALUE)	0.66	45						SQ. FT.	1,960 BTU/HR
INSULATED DOOR AREA (U-VALUE)	0.15	2,522						SQ. FT.	25,346 BTU/HR
INSULATED SKYLIGHTS (U-VALUE)	0.66							SQ. FT.	BTU/HR
EXTERIOR WALL HEIGHT		22.0						HEIGHT	
LENGTH OF UNHEATED EXTERIOR EDGE		456						LN. FT.	
INSULATED WALL AREA (R-VALUE)	19.00	7,466						SQ. FT.	26,324 BTU/HR
ADDITIONAL INSULATED WALL AREA	33.00	720						SQ. FT.	1,462 BTU/HR
TOTAL GROSS FLOOR AREA		12,800						SQ. FT.	
INSULATED FLOOR AREA (R-VALUE)	19.00							SQ. FT.	BTU/HR
INSULATED SLAB AREA (R-VALUE)	10.00	2,910						SQ. FT.	6,914 BTU/HR
INSULATED CEILING AREA (R-VALUE)	38.00	2,910						SQ. FT.	6,131 BTU/HR
ADDITIONAL AIR VOLUME								CU. FT.	
TOTAL AIR VOLUME		281,600						CU. FT.	339,610 BTU/HR
AIR CHANGES PER HOUR		1.00	1.00	1.00	1.00	1.00	1.00	ACH	
TOTAL HEAT LOSS PER ZONE		399,833						BTU/HR	406,747 BTU/HR

*SLAB LOSS FIGURED BELOW

INPUT VALUES		ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	UNITS
To-OUTDOOR DESIGN TEMPERATURE		-2	-2	-2	-2	-2	-2	DEG. F
To-ROOM TEMPERATURE		65	60	60	60	60	60	DEG. F
Q-RADIANT FLOOR LOAD AT DESIGN CONDITIONS		399,833						BTU/HR
A-NET RADIANT SLAB SURFACE AREA		12,800						SQ. FT.
Ua-ENERGY TRANSFER FROM RADIANT SURFACE		2	2	2	2	2	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	
Ua-U-VALUE OF FLOOR COVERING		30.00	30.00	30.00	30.00	30.00	30.00	BTU/HR/SQ. FT./DEG. F
Ua-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
Qa-INTERIOR SLAB HEAT LOSS		2.00	2.00	2.00	2.00	2.00	2.00	BTU/HR/SQ. FT.
Ua-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
D-DENSITY OF HEAT TRANSFER FLUID		8.55	8.55	8.55	8.55	8.55	8.55	LB/GAL
Cf-HEAT CAPACITY OF HEAT TRANSFER FLUID		0.93	0.93	0.93	0.93	0.93	0.93	BTU/LB/DEG. F
Ta-FLUID TEMPERATURE DROP		20	20	20	20	20	20	DEG. F
Le-DESIRED LOOP LENGTH		250	250	250	250	250	250	FT.
Sp-AVERAGE PIPE SPACING		12	12	12	12	12	12	INCHES ON CENTER
INSTALLATION METHOD		Slab on Grade	Slab on Grade	Slab on Grade	Slab on Grade	Slab on Grade	Slab on Grade	

CALCULATED VALUES		ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1. T-DESIGN TEMPERATURE DIFFERENTIAL		67	62	62	62	62	62

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[illegible]

Peoria Weather Data Information					Data Summary Table No. 1		
FUEL TYPE	LOCAL FUEL COST	UNITS	COST PER MILLION BTU BASED ON 100% EFFICIENCY	Deg. Day Base	TOTAL Deg. Days	TOTAL RADIANT SURFACE: 12,800 SQ. FT.	REVERSED HEAT LOSS: 406,747 BTU/HR
NATURAL GAS	\$0.95	THERM	\$9.50	65 DEG. F	6,025	TOTAL FLOW RATE: 42.63 GPM	
ELECTRICITY	\$0.08	PER KWH	\$23.44	60 DEG. F	4,468	AVERAGE SUPPLY TEMP: 123 DEG. F	
		PER GAL.		55 DEG. F	2,987	TOTAL NUMBER OF LOOPS: 61 LOOPS	
PROPANE	\$2.05	PER GAL.	\$22.41	50 DEG. F	1,822	TOTAL KITEC® FOOTAGE: 12,750 LN. FT.	
FUEL EFFICIENCY	TYPE		ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
NATURAL GAS	CENTRAL FORCED AIR		\$9,266.14				ZONE 6
	90% ZONED HYDRO-AIR™ HEAT		\$7,884.60				ZONE COST TOTAL
	90% ZONED RADIANT FLOOR		\$6,856.18				
ELECTRICITY	CENTRAL FORCED AIR		\$20,578.69				
	100% ZONED HYDRO-AIR™ HEAT		\$17,508.80				
	100% ZONED RADIANT FLOOR		\$15,225.04				
OIL	CENTRAL FORCED AIR						
	90% ZONED HYDRO-AIR™ HEAT						
	90% ZONED RADIANT FLOOR						
PROPANE	CENTRAL FORCED AIR		\$21,858.34				
	90% ZONED HYDRO-AIR™ HEAT		\$18,599.36				
	90% ZONED RADIANT FLOOR		\$16,173.36				

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 is 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 cost of Domestic Hot Water, lighting and other energy uses.

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Worksheet No. 1

Provides total Heat Loss for each area in BTU/HR.

AREA	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
WINDOW	1,960					
DOOR	25,346					
SKYLIGHT						
WALL 1	26,324					
WALL 2	1,462					
FLOOR						
SLAB	6,914					
CEILING	5,131					
AIR INFILTRATE	339,610					
TOTAL	406,747					

Notes:

Window Area

Double Glazed

Door Area

Insulated Core

Skylight Area

Double Glazed

Wall Area No. 1

6" Insulation

Wall Area No. 2

Enter Other-->

Floor Loss Area

6" Insulation

Slab Loss Area

2" Insulation

Ceiling Loss Area

12" Fiberglass

☐ CANADA

Calgary

☒ U.S.A.

Peoria

Your project contains one or more of the following elements:

- | | | |
|---|--|---------------------------------------|
| <input type="checkbox"/> Commercial | <input type="checkbox"/> New Construction | <input type="checkbox"/> Natural Gas |
| <input type="checkbox"/> Residential | <input type="checkbox"/> Retrofit/Remodel | <input type="checkbox"/> Electricity |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> System Upgrade | <input type="checkbox"/> Fuel Oil |
| <input type="checkbox"/> Radiant Floor | <input type="checkbox"/> Multi-Zone | <input type="checkbox"/> Propane |
| <input type="checkbox"/> Domestic Hot | <input type="checkbox"/> Hydro-Air Heat | <input type="checkbox"/> Wood Heat |
| <input type="checkbox"/> Domestic Cold | <input type="checkbox"/> Hydro-Air Cool | <input type="checkbox"/> Coal Heat |
| <input type="checkbox"/> Ground Loop | <input type="checkbox"/> Hydro-Baseboard | <input type="checkbox"/> Solar Heat |
| <input type="checkbox"/> Root Bed Heat | <input type="checkbox"/> Spa/Pool Heating | <input type="checkbox"/> Ice Storage |
| <input type="checkbox"/> Sports Field | <input type="checkbox"/> Sauna/Jacuzzi | <input type="checkbox"/> Heat Storage |
| <input type="checkbox"/> Sterilize Soil | <input type="checkbox"/> Outdoor Controls | <input type="checkbox"/> Waste Heat |
| <input type="checkbox"/> Eave Melting | <input type="checkbox"/> Heat Distribution | <input type="checkbox"/> Heat Pump |
| <input type="checkbox"/> Compressed Air | <input type="checkbox"/> Cool Distribution | <input type="checkbox"/> Chiller |

	Floor Covering	Fluid Type	Installation Type	Desired Pipe Size
ZONE 1	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 2	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 3	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 4	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 5	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 6	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®

Notes:

Data Summary Table No. 2

Kitec® Summary for Multiple Unit projects.

ZONE OR AREA DESCRIPTION	RADIANT AREA (SQ.FT.)	HEAT LOAD (BTU/HR)	FLOW RATE (US GPM)	SUPPLY TEMP. (DEG. F)	NUMBER OF LOOPS	TOTAL FOOTAGE (LN. FT.)
ZONE 1	12,800	406,747	42.63	123	51	12,750
ZONE 2						
ZONE 3						
ZONE 4						
ZONE 5						
ZONE 6						
TOTAL OF PAGES	12,800	406,747	42.63		51	12,750

Notes:



MULTI-ZONE HEAT LOSS DESIGN ANALYSIS

Page 1

DESIGNER:	DATE:	ENERGY CODE INFORMATION				JOB NAME:	POST FRAME PROJECT	Consolidated Building Center
COMPANY:		FLOOR AREA: 12,800 SQ. FT.				COMPANY:		
ADDRESS:		WINDOW AREA: 45 SQ. FT.				ADDRESS:		
CITY, ST:		% OF GLASS TO FLOOR AREA: 0.4%				CITY, ST:		
PHONE:						PHONE:		

DESCRIPTION	"U"-VALUE or R-VALUE	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	UNITS	HEAT LOSS TOTALS
INSULATED WINDOW AREA (U-VALUE)	0.55	45						SQ. FT.	1,960 BTU/HR
INSULATED DOOR AREA (U-VALUE)	0.16	2,522						SQ. FT.	26,346 BTU/HR
INSULATED SKYLIGHTS (U-VALUE)	0.66							SQ. FT.	BTU/HR
EXTERIOR WALL HEIGHT		22.0						HEIGHT	
LENGTH OF UNHEATED EXTERIOR EDGE		456						LN. FT.	
INSULATED WALL AREA (R-VALUE)	19.00	7,465						SQ. FT.	26,324 BTU/HR
ADDITIONAL INSULATED WALL AREA	19.00	720						SQ. FT.	2,539 BTU/HR
TOTAL GROSS FLOOR AREA		12,800						SQ. FT.	
INSULATED FLOOR AREA (R-VALUE)	19.00							SQ. FT.	BTU/HR
INSULATED SLAB AREA* (R-VALUE)	1.00	2,910						SQ. FT.	45,404 BTU/HR
INSULATED CEILING AREA (R-VALUE)	30.00	2,910						SQ. FT.	6,499 BTU/HR
ADDITIONAL AIR VOLUME								CU. FT.	
TOTAL AIR VOLUME		281,600						CU. FT.	611,297 BTU/HR
AIR CHANGES PER HOUR		1.80	1.80	1.80	1.80	1.80	1.80	ACH	
TOTAL HEAT LOSS PER ZONE		673,965						BTU/HR	720,369 BTU/HR

*SLAB LOSS FIGURED BELOW

KITEC® RADIANT DESIGN WORKSHEET									
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INPUT VALUES		ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	UNITS	
Ta-OUTDOOR DESIGN TEMPERATURE		-2	-2	-2	-2	-2	-2	-2 DEG. F	
Ta-ROOM TEMPERATURE		65	60	60	60	60	60	60 DEG. F	
Qa-RADIANT FLOOR LOAD AT DESIGN CONDITIONS		673,965						BTU/HR	
Aa-NET RADIANT SLAB SURFACE AREA		12,800						SQ. FT.	
Ua-ENERGY TRANSFER FROM RADIANT SURFACE		2	2	2	2	2	2	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	
Ue-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	
Qa-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		1.00	1.00	1.00	1.00	1.00	1.00	BTU/HR/SQ. FT./DEG. F	
TYPE OF TRANSFER FLUID		25% Glycol	25% Glycol	25% Glycol	25% Glycol	25% Glycol	25% Glycol	FLUID	
Dc-DENSITY OF HEAT TRANSFER FLUID		8.55	8.55	8.55	8.55	8.55	8.55	LBS/GAL.	
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	FT.	
Sp-AVERAGE PIPE SPACING		12	12	12	12	12	12	INCHES ON CENTER	
INSTALLATION METHOD		Slab on Grade	Slab on Grade	Slab on Grade	Slab on Grade	Slab on Grade	Slab on Grade		

CALCULATED VALUES	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1. T-DESIGN TEMPERATURE DIFFERENTIAL	67	62	62	62	62	62 DEG. F

2. QH-HEAT LOAD PER SQ. FT. OF RADIANT SURFACE	62.66						BTU/HR/SQ. FT.
3. Ts-SURFACE TEMPERATURE OF FLOOR COVERING	91						DEG. F
4. Ts-SURFACE TEMPERATURE OF RADIANT SURFACE	93						DEG. F
5. Tt-AVERAGE TEMPERATURE OF TRANSFER FLUID	145						DEG. F
6. Tt-SUPPLY TEMPERATURE OF TRANSFER FLUID	155						DEG. F
7. Tt-TEMPERATURE DIFFERENCE AT SLAB EDGE	96						DEG. F
8. QH-INTERIOR SLAB HEAT LOSS TO GROUND	3,084						BTU/HR
9. Qe-EDGE SLAB HEAT LOSS TO GROUND	43,320						BTU/HR
10. Qg-TOTAL SLAB HEAT LOSS TO GROUND	46,404						BTU/HR
11. Qc-TOTAL HEAT LOAD AT DESIGN CONDITIONS	720,369						BTU/HR
12. Qc-TOTAL HEAT LOAD PER SQ. FT.	56.28						BTU/HR/SQ. FT.
13. V-HEAT TRANSFER FLUID FLOW RATE	76.60						GPM
14. Pd-PRESSURE DROP ACROSS KITEC® PIPING	8.38						PSI
SELECTED KITEC® PIPE SIZE	Check Length						SIZE
TOTAL NUMBER OF LOOPS	61						LOOPS
ESTIMATED TOTAL FEET OF KITEC® RADIANT PIPING	12,760						LN. FT.
REQUIRED AUXILIARY HEAT OUTPUT AT DESIGN	161,920						BTU/HR
HYDRONIC BASEBOARD (580 BTU/FT. @180 DEG. F)	279						LN. FT.
OPTIONALLY INCREASE RADIANT SURFACE AREA	5,387						SQ. FT
ENTER ACTUAL SUPPLIED AUXILIARY HEAT OUTPUT-->							BTU/HR

†For Larger Size Consult IPEX, Inc.

Data Summary Table No. 1

FUEL TYPE		LOCAL FUEL COST	UNITS	COST PER MILLION BTU BASED ON 100% EFFICIENCY		Deg. Day Base	TOTAL Deg. Days	TOTAL RADIANT SURFACE: REVISED HEAT LOSS:		12,800 SQ. FT. 720,369 BTU/HR
NATURAL GAS		\$0.95	THERM		\$9.50	65 DEG. F	6,025	TOTAL FLOW RATE:	76.60 GPM	
ELECTRICITY		\$0.08	PER KWH		\$23.44	60 DEG. F	4,458	AVERAGE SUPPLY TEMP:	155 DEG. F	
OIL			PER GAL.			55 DEG. F	2,987	TOTAL NUMBER OF LOOPS:	61 LOOPS	
PROPANE		\$2.05	PER GAL.		\$22.41	50 DEG. F	1,822	TOTAL KITEC® FOOTAGE:	12,760 LN. FT.	
FUEL EFFICIENCY		TYPE		ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE COST TOTAL
NATURAL GAS	90% CENTRAL FORCED AIR			\$16,410.79						\$16,410.79
	90% ZONED HYDRO-AIR™ HEAT			\$13,964.02						\$13,964.02
	90% ZONED RADIANT FLOOR			\$12,142.63						\$12,142.63
ELECTRICITY	100% CENTRAL FORCED AIR			\$36,442.33						\$36,442.33
	100% ZONED HYDRO-AIR™ HEAT			\$31,008.94						\$31,008.94
	100% ZONED RADIANT FLOOR			\$26,964.30						\$26,964.30
OIL	90% CENTRAL FORCED AIR									
	90% ZONED HYDRO-AIR™ HEAT									
	90% ZONED RADIANT FLOOR									
PROPANE	90% CENTRAL FORCED AIR			\$38,712.20						\$38,712.20
	90% ZONED HYDRO-AIR™ HEAT			\$32,940.39						\$32,940.39
	90% ZONED RADIANT FLOOR			\$28,643.82						\$28,643.82

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 cost of Domestic Hot Water, lighting and other energy uses.

Worksheet No. 1

Provides total Heat Loss for each area in BTU/HR.

AREA	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
WINDOW	1,960					
DOOR	25,346					
SKYLIGHT						
WALL 1	26,324					
WALL 2	2,539					
FLOOR						
SLAB	46,404					
CEILING	6,499					
AIR INFILTRATE	611,297					
TOTAL----->	720,369					

Notes:

Window Area

Double Glazed ▼

Door Area

Insulated Core ▼

Skylight Area

Double Glazed ▼

Wall Area No. 1

6" Insulation ▼

Wall Area No. 2

6" Insulation ▼

Floor Loss Area

6" Insulation ▼

Slab Loss Area

No Insulation ▼

Ceiling Loss Area

10" Fiberglass ▼

○ CANADA

Calgary ▼

● U.S.A.

Peoria ▼

Your project contains one or more of the following elements:

- | | | |
|---|--|---------------------------------------|
| <input type="checkbox"/> Commercial | <input type="checkbox"/> New Construction | <input type="checkbox"/> Natural Gas |
| <input type="checkbox"/> Residential | <input type="checkbox"/> Retrofit/Remodel | <input type="checkbox"/> Electricity |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> System Upgrade | <input type="checkbox"/> Fuel Oil |
| <input type="checkbox"/> Radiant Floor | <input type="checkbox"/> Multi-Zone | <input type="checkbox"/> Propane |
| <input type="checkbox"/> Domestic Hot | <input type="checkbox"/> Hydro-Air Heat | <input type="checkbox"/> Wood Heat |
| <input type="checkbox"/> Domestic Cold | <input type="checkbox"/> Hydro-Air Cool | <input type="checkbox"/> Coal Heat |
| <input type="checkbox"/> Ground Loop | <input type="checkbox"/> Hydro-Baseboard | <input type="checkbox"/> Solar Heat |
| <input type="checkbox"/> Root Bed Heat | <input type="checkbox"/> Spa/Pool Heating | <input type="checkbox"/> Ice Storage |
| <input type="checkbox"/> Sports Field | <input type="checkbox"/> Sauna/Jacuzzi | <input type="checkbox"/> Heat Storage |
| <input type="checkbox"/> Sterilize Soil | <input type="checkbox"/> Outdoor Controls | <input type="checkbox"/> Waste Heat |
| <input type="checkbox"/> Eave Melting | <input type="checkbox"/> Heat Distribution | <input type="checkbox"/> Heat Pump |
| <input type="checkbox"/> Compressed Air | <input type="checkbox"/> Cool Distribution | <input type="checkbox"/> Chiller |

	Floor Covering	Fluid Type	Installation Type	Desired Pipe Size
ZONE 1	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 2	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 3	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 4	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 5	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®
ZONE 6	Bare Slab	25% Glycol	Slab on Grade	1/2" KITEC®

RADIANT SELECTION CHART

Notes:

Data Summary Table No. 2

Kitec® Summary for Multiple Unit projects.

ZONE OR AREA DESCRIPTION	RADIANT AREA (SQ. FT.)	HEAT LOAD (BTU/HR)	FLOW RATE (US GPM)	SUPPLY TEMP. (DEG. F)	NUMBER OF LOOPS	TOTAL FOOTAGE (LN. FT.)
ZONE 1	12,800	720,369	75.50	155	51	12,750
ZONE 2						
ZONE 3						
ZONE 4						
ZONE 5						
ZONE 6						
TOTAL OF PAGES	12,800	720,369	75.50		51	12,750

Notes: