



A New Generation of Solar Thermal Technology

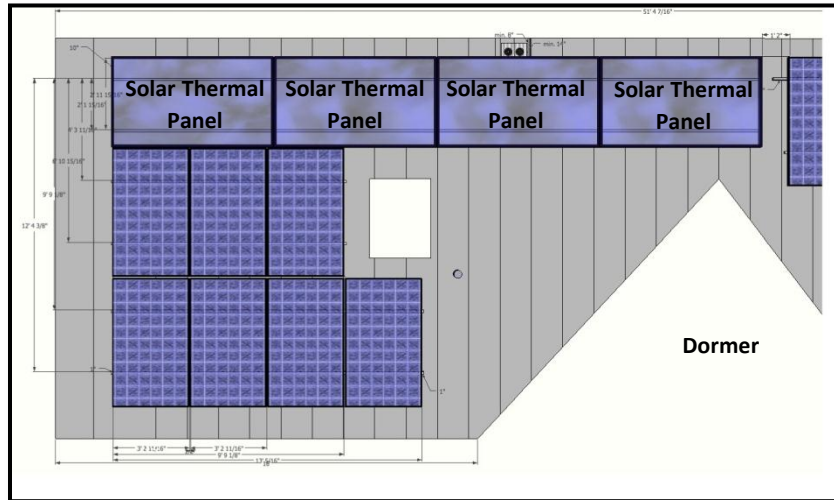
- Excellent Value and Performance
- Flexible Mounting Solutions for All Roof-Types
- 25 Years Solar Heating Experience From Buderus
- Fully Integrated Solar Solutions
- Optimum Energy Yields



Comfortable. Efficient. Intelligent Heating.

High Performance Solar Thermal – hot water

- Replace two inefficient existing gas fired water heaters which feed both up/down duplex units
- Install 4 Buderus solar thermal panels
- Install new 120 gallon solar thermal tank with heat exchanger to supply hot water for both units
- Remove existing chimney to allow for new piping and panels
- System will supply over 80% domestic hot water year-round



HTP Energy Efficient Boiler 97% Efficient

EliteFT
High Efficiency Fire Tube Heating Boiler

Highly Efficient Product

Up to 97% operating efficiency

Reduces heating costs

Outdoor smart burners operating set point automatically to increase system efficiency

Modulating burner input matches system load, conserving energy and increasing system efficiency

Low NOx emission - Reduces environmental impact

Combustion Turndown up to 5:1

Matches heating load automatically

Modular combustion fan down to 20% of firing rate

Target temperature can be maintained as heating demand increases or decreases. This provides greater comfort by eliminating temperature swings in the heating system.

Stainless Steel Fire Tube Heat Exchanger

Down fire design, promotes self-cleaning of combustion system

Durable, high grade stainless steel construction provides extended service life

Increased thermal mass provides low pressure drop and eliminates short cycling

Compatible with oil/gas/boiler systems

Built in condensate collection system

- Replace two inefficient existing gas fired gravity boilers serving both up/down duplex units
- Existing boilers were 30% over sized and approximately 60% efficient
- Install 1 new Heat Transfer Products Boiler to serve both units
- Direct vent System will vent out the side of house and consume outside air for combustion
- Condensing – modulating gas valve with 6-1 step down ratio for optimized ultra efficient natural gas consumption
- Side arm water heating support for solar thermal system during extended days of overcast



A Closer Look

- Pressure Relief Valve
- Modulation Combustion Blower Assembly
- Integrated Digital Control Provides Many Programming Features
- 2 Line 40 Character LCD Display to Easily Program and Monitor Boiler Operation
- System Supply
- Condensate System

- Exhaust Vent Connection
- Intake Vent Connection
- Easily Removable Cover
- Spark Ignition System with Flame Monitoring
- Stainless Steel Fire Tube Heat Exchanger
- Field Connection Board
- Negative Regulation Gas Valve
- System Return
- Gas Connection

Extremely Durable and Reliable Unit
Built for Serviceability - Minimal Maintenance Required