

<b>Customer &amp; Dealer Information</b>	Film Installation Company (Dealer) Name	Dealer Contact Name and Phone
	Building Name	Building Contact Name
	Building Address	Building Contact Phone
	City, State, Zip Code	Closest Major City (used for Weather Data)

**Dealer Section: To Be Completed By The Film Dealer**

	Windows	North	East	South	West
	Total Window Area	_____	_____	_____	_____
Circle Units	Sq Ft / Sq M	Sq Ft / Sq M	Sq Ft / Sq M	Sq Ft / Sq M	Sq Ft / Sq M
Window Frame Type	Al / Vinyl / Wood	Al / Vinyl / Wood	Al / Vinyl / Wood	Al / Vinyl / Wood	Al / Vinyl / Wood
Film to be applied to this exposure?	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
<b>LIST ALL GLASS AREAS EVEN IF NOT BEING FILMED</b>					
Setback or Overhangs?	_____ Ft / m	_____ Ft / m	_____ Ft / m	_____ Ft / m	_____ Ft / m
<b>Glass Types and Areas</b>	Glass Type	Manufacturer: _____		Model: _____	
	Pane Thickness	1/8 3/16 1/4 3/8 1/2	1/8 3/16 1/4 3/8 1/2	1/8 3/16 1/4 3/8 1/2	1/8 3/16 1/4 3/8 1/2
	# of Panes	Single / Double / Triple	Single / Double / Triple	Single / Double / Triple	Single / Double / Triple
	Color	Clear / Gray / Bronze / Green / Blue	Clear / Gray / Bronze / Green / Blue	Clear / Gray / Bronze / Green / Blue	Clear / Gray / Bronze / Green / Blue
	Reflective Coating	Reflective? Yes / No	Reflective? Yes / No	Reflective? Yes / No	Reflective? Yes / No
	Low E	Low E / Hi Perf Low E	Low E / Hi Perf Low E	Low E / Hi Perf Low E	Low E / Hi Perf Low E
"Hi Performance Low-E" refers to Low-E windows with substantial summer heat rejection properties, such as Cardinal Low-E Squared					
<b>Skylights</b>	Total area _____ Sq Ft / Sq M		Same Glass Type as Windows? Yes / No		
If No, list glass type _____					
<b>Film Types</b>	Option 1	Option 2	Option 3	Option 4	Option 5
<b>Total Project Cost*</b>	_____	_____	_____	_____	_____
<b>Film Area</b>	Total Film Area _____				

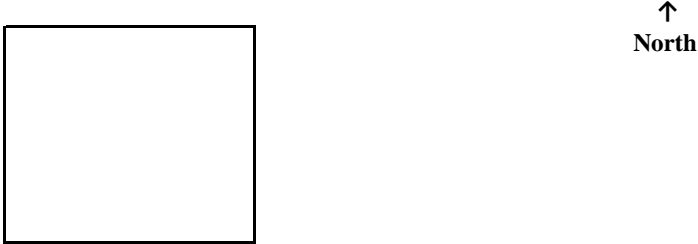
\*Be sure to include the effect of any applicable utility rebates in the customer's final cost

**THIS FORM MUST BE FULLY COMPLETED BEFORE SUBMITTING FOR ANALYSIS. INCOMPLETE FORMS WILL BE RETURNED TO THE FILM DEALER.**

# BTS

## E Film Energy Analysis Input Form for Commercial Buildings

### Customer Section: To Be Filled Out By The Customer.

<b>Building Overview</b>	Type of Building (choose from list on bottom of page)		Year of Construction	
	Total Building Floorspace Area: (Total of All Floors)	Sq Ft / Sq m	Number of Stories:	Floor to Ceiling Height:
<b>Building Shape and Orientation</b>				
	Please specify the length and width of the building on the outline above, and add to/modify the shape or orientation as needed.			
<b>Air Distribution System</b>	<p><b>Check Appropriate Air Distribution System:</b> Only select one type</p> <p> <input type="checkbox"/> Packaged Single Zone DX      <input type="checkbox"/> Split System Single Zone DX      <input type="checkbox"/> Packaged Multi Zone  <input type="checkbox"/> Standard VAV with Reheat      <input type="checkbox"/> Parallel Fan Powered VAV w Reheat      <input type="checkbox"/> Single Zone CV with Reheat  <input type="checkbox"/> 4 Pipe Fan Coils w Reheat      <input type="checkbox"/> Packaged Terminal Heat Pump         </p> <p>If your system type is not listed, please select the one that best matches.</p>			
<b>Economizer</b>	Is there an Air-Side Economizer?    Y / N			
<b>Cooling and Heating</b>	<p><b>Check Appropriate Cooling and Heating Plant:</b> Select one type each for Cooling Plant, Chiller Type, and Heating Plant</p> <p> <b>Cooling Plant</b>    <input type="checkbox"/> Chilled Water Coils      <input type="checkbox"/> DX Coils            Chiller Type:    <input type="checkbox"/> Centrifugal      <input type="checkbox"/> Reciprocating            Efficiency:      <input type="checkbox"/> kW/Ton / COP / EER         </p> <p> <b>Heating Plant</b>    <input type="checkbox"/> Hot Water Coils      <input type="checkbox"/> Furnace      <input type="checkbox"/> Electric Resistance            Efficiency:      <input type="checkbox"/> %      <input type="checkbox"/> No Heating         </p>			
<b>Thermostat Settings</b>	Cooling Setpoint _____ Cooling Setback _____ Heating Setpoint _____ Heating Setback _____ If Using a Setback: Setback Time: Start: _____ End: _____			
<b>Occupancy</b>	How many people work in the building on a typical work day? _____			
<b>Lighting</b>	Are Daylighting Controls used?    Y / N			
<b>Hot Water</b>	Water Heater Fuel Type:    Electricity / Natural Gas			
<b>Utility Rates and Annual Energy Costs</b>	Electricity Cost: _____ \$ / kWh      Demand Charge: _____ \$ / kW Natural Gas Cost: _____ \$ / therm Annual Cost for:    Electricity _____      Natural Gas _____			

Building Types included in Large Commercial Category:

- |                      |                          |                   |                     |
|----------------------|--------------------------|-------------------|---------------------|
| 1 Apartments/Condos  | 5 Restaurant - Sit Down  | 9 Motel           | 13 Secondary School |
| 2 Office Building    | 6 Restaurant - Fast Food | 10 Hotel          | 14 College          |
| 3 Stand Alone Retail | 7 Grocery Store          | 11 Hospital       | 15 Nursing Home     |
| 4 Strip Mall         | 8 Warehouse              | 12 Primary School |                     |

**THIS FORM MUST BE FULLY COMPLETED BEFORE SUBMITTING FOR ANALYSIS.  
INCOMPLETE FORMS WILL BE RETURNED TO THE FILM DEALER.**