



Project No: 35-042

Customer: Nestle

Project: Nestle Freehold

Date: 6/22/15; Revision: #0

Project Manager: Stan Jett / John Kennedy

ECONOMIZER DESIGN DATA

No. Economizer	1
Economizer Capacity	30600 lb/hr
Design Pressure	490 psig
Design Temperature	700 F
Economizer Type	counter flow
Water Flow	top to bottom
Gas Flow	bottom to top
Tube arrangement	Inline

ECONOMIZER TUBES

No. of Tubes Wide	7
No. of Tubes Deep	16
Tube Length (Finned length)	86 in
Transverse Spacing	4.00 in
Longitudinal Spacing	4.00 in
Tube Material	SA - 178 GR A
Header Material	SA -106 GR B
Tubes: Size/ Wall Thk.	1.5 in / 0.131 MW
Inlet & Outlet Header: Size/ Wall Thk.	4 in / SCH 80
No. Streams	7
Heating surface	2865 Sqft

FINS

Material	CS
Type	Serrated
Height	0.5 in
Thickness	0.05 in
No. Fins per inch	6

Modeled Job Info:

Other Project Specific Conditions / Notes:

- Dry weight: 7,649 lbs; Flooded weight: 8,201 lbs

826/22/15