Lincoln ASSOCIATES Value Through Engineering

Applied Air

CASE STUDY REPORT

CHALLENGE

- Provide Heating and Cooling for three large open areas without the use of ductwork.

SOLUTION

- Use multiple air turnover units with indirect gas fired heat and DX cooling coils.

STRUCTURAL INFORMATION

Metal Construction
500,000 sq. ft (Total of Three (3) Buildings)
32 ft Avg. Ceiling Height

NOTES OF INTEREST

- The interior walls were constructed with pockets to allow for locating the units out of the flow of forklift traffic.
- Outside air was introduced through the wall to selected units to meet outside air requirements.
- Heating capacity was satisfied by providing indirect fired gas heat in selected units.

Figure 1: IFA-300/200 w/ 60 Tons of Cooling & 2,000 MBH of Heating

PRODUCT

Applied Air - Air Turnover System
- (5) IFA-300 (Cooling Only)
- (5) IFA-300/200 (Cooling & Heat)

INDUSTRY

Trucking & Warehousing

FACTORY REP

Lincoln Associates

APPLICATION

Cooling & Heating

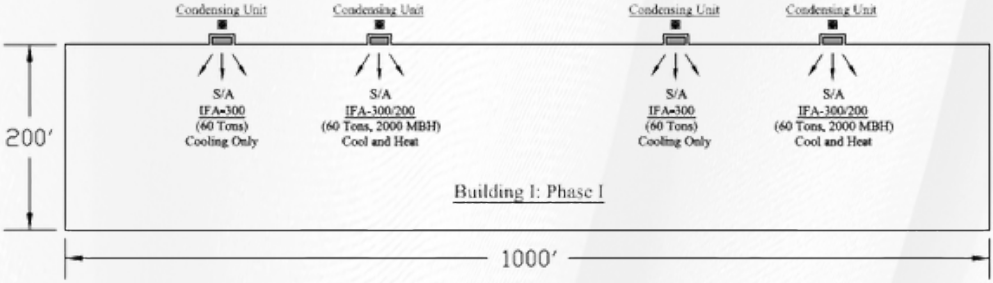
END USER

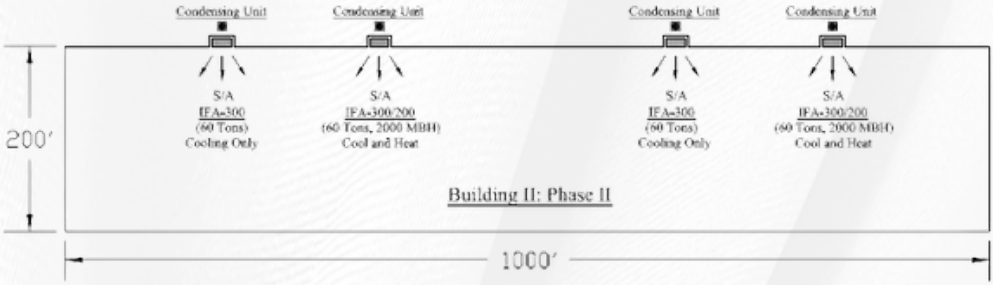
New South Express
Talladega, AL

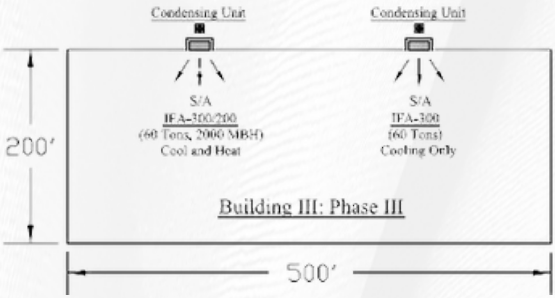
Figure 2: Indirect Fired HX w/ Power Burner & Exhaust Flue

ENGINEERING INFORMATION

	Air Flow (CFM)	Cooling (Tons)	Heating (MBH)	Throw (ft.)
Building I	148,000	240	4000	200
Building II	148,000	240	4000	200
Building III	74,000	120	2000	200







Applied Air Systems *has manufactured quality industrial heating and cooling equipment since 1975. www.appliedair.com*

Lincoln Associates *has represented Applied Air Systems since 1976. With Application Engineers on staff, Lincoln Associates is able to assist customers in the selection and application of Applied Air equipment.*

For more information, call 770.425.1500 or visit www.lincolnassoc.com.