

PRE-ENGINEERED HEAVY DUTY RIGID FRAME



REFRIGERATED BUILDINGS



Concrete Piers are aligned and poured in accordance to building specifications.

Ground is prepared with pier tie rods before pour of concrete floor. In case of Low-Temp applications, special designs are available.

Finished Concrete Floor.

KD-Structures Frame System arrives 4 weeks from time of order was placed. Side wall columns are installed immediately.

Galvanized Girts are flush mounted on all walls of building providing an easy to maintain finish.

Galvanized Purlins are flush mounted on roof of building providing an easy to maintain finish.



Tie Rods and all the bolts are tightened and checked to put building square.

Base preparation for installation of Insulated Panels.

Notice the clean appearance of the Gray Prime Coated Rafters with straight columns.

Six weeks after order, panels arrive and installation starts with end walls.

Molding is installed at the bottom to receive panel with bead of butyl caulking assuring thermal break.

Corners are attached with self tapping matching screws.



Door openings are cut, framed and capped.

Note that the heavier doors may need additional framing.

Installation of roof panels. Forklifts with booms were used for smaller panels.

Panels are installed easily with two scissor lift platforms and forklift with extended boom.

Interior caulking and moldings are installed to vapor proof panels.

Proper trimming, gutters and foaming of voids. No need for additional roofing materials.



Nice clean look from the back side of building.

Blue PVC strip doors are added to better control loss of refrigeration and insect infiltration.

Large Cooler Door with Weather Hood and smaller access passage door.

In 8 weeks evaporator coils are hung from prepared framing system. Advise weight and dimensions.

Refrigeration conditioning units are placed on prepared concrete pad exterior side of building.

The completion of the steel building was provided and installed in Less than twelve weeks after receipt of customers purchase order.



**RIGID FRAME
PRE-ENGINEERED
CERTIFIED DESIGN**



PROJECT: CHAPPINE FARMS - Hammonton, NJ
45' x 64' x 12' Eave (2,816 sq.ft.)
6" EPS Insulated T&G Panels (R-27)

215-673-6050 or Fax: 215-322-2076 - www.JohnsonEnergyGroup.com - Johnson Building Systems, Inc. - 975 Jaymor Rd. #4-5 - Southampton, PA 18966-3854

Heavy Rigid Frame Series For Refrigerated, Industrial and Commercial Buildings

PERMANENT OR TEMPORARY



Pre-Engineered Heavy Duty Rigid Frame Series



Rigid Frame (RF) • up to 200' clear
Rigid Frame design, tapered column, tapered rafter.



Rigid Frame Multi-span (RF-1) • up to 600' wide
Multi-span rigid frame with intermediate columns



Single Slope (SS) • up to 150' clear
Single slope rigid frame with tapered rafter and columns



Single Slope Multi-span (SS) • up to 600' wide
Single slope rigid frame with intermediate columns



Tapered Beam (TB) • thru 60' wide
Tapered beam rigid frame with straight columns



Lean-to (LT) • thru 20' wide
Lean-to with straight columns and rafter section



Lean-to (LT) • over 20' wide
Lean-to with straight columns and reverse tapered beam rafter

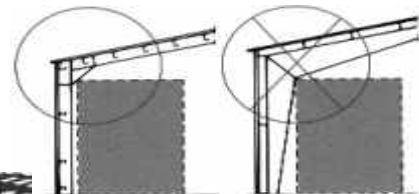


Heavy Duty Rigid Frame Series is a cleaner system for large food Storage, Chemical, Pharmaceutical, and Industrial applications.



There is absolutely **no wood** in this building. The USDA white painted and/or galvanized steel finish shields against harsh chemicals, rotting, warping, and will not support bacterial or microbiological growth.

Straight columns provide more usable interior space.



Advantages:

- Design and Size Flexibility
- Economical Start-up Cost
- Fast Construction
- Load Requirements Designed to Fit Your Needs

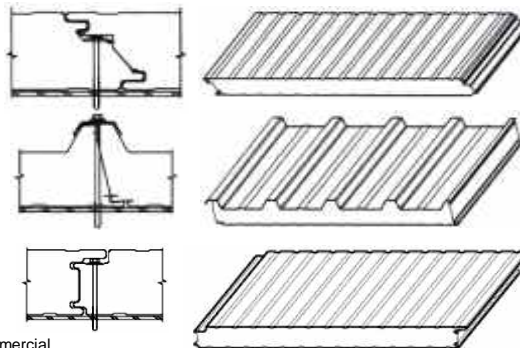
ALL-BOLTABLE SYSTEM

METAL SHIELD POLYURETHANE FACTORY FOAMED INSULATED PANELS

PW-250 SHADOWLINE is the non-ribbed version of the EW-150. Flush profile with light vertical shadowlines. Ideal for exterior wall and roof applications on commercial and industrial buildings, as well as for interior partition walls in certain cold storage facilities.

RW-350 HI-RIB versatile insulated panel is equally impressive for exterior wall or roof applications. Great roof panel for commercial buildings, and cold storage buildings applications.

RD-500 MICRO-RIB For exterior low temp and industrial roof and wall application. This structural panel delivers an excellent thermal R-value performance. It is expressly efficient for commercial warehouse and industrial buildings leaving a white USDA painted exposed interior ceiling and wall surface.



ROOF PENTHOUSE



WATER TREATMENT

