3 TYPES OF GRAIN ELEVATORS:

TERMINAL: Designed for storage & distribution of wheat to local, regional & worldwide markets

COUNTRY: Designed for storage & distribution of local wheat only

PROCESSING: Designed for storage & processing of usually local wheat

COMPONENTS OF A GRAIN ELEVATOR:

Unloading Shed: Where grain is unloaded
Headhouse: Tall rectangular element, contains distributor, scales & control station
Bins: Storage containers
Gallery: Enclosed conveyor that extends the length of the bins

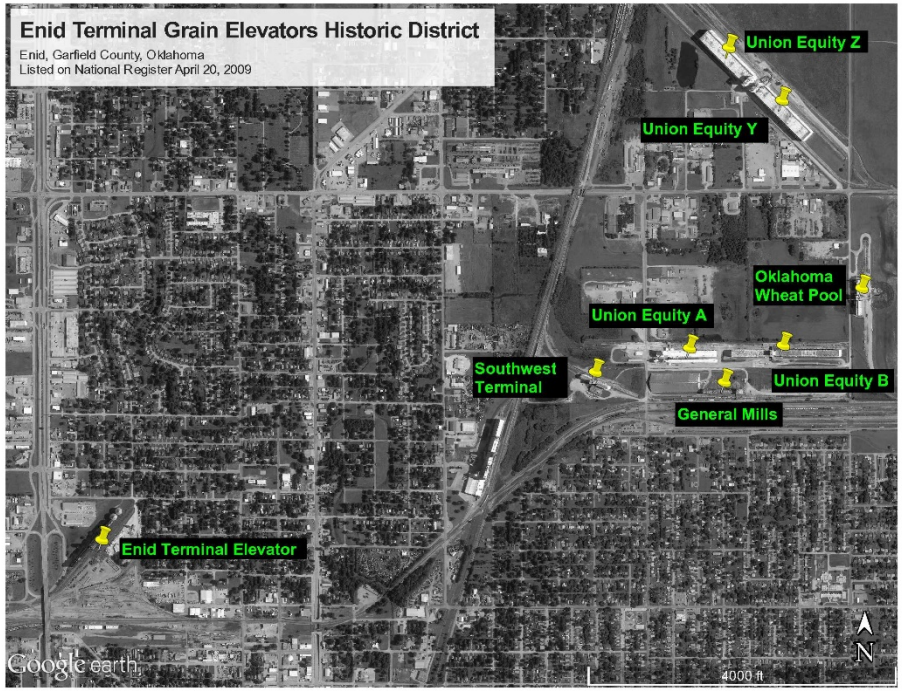
PROCESS: The grain is transported from the field to the elevator by truck or train. It is then unloaded in a pit in the unloading shed from which it is conveyed via a controlled passage or gateway to a central "boot." From the boot, the grain is moved to the headhouse and from there distributed to scale bins for weighing, to preselected bins for storage or to rail cars for immediate transportation. From the headhouse, the grain is moved into bins by a long conveyor belt located in the gallery. As the grain reaches the appropriate bin, the grain is thrown off the conveyor belt via a tripper mechanism into a spout which pours the grain into the bin. A second conveyor belt located at the bottom, or basement, of the elevator moves the grain out of the storage bins into waiting rail cars.

FACT: The headhouse, gallery and basement of a grain elevator have numerous, industrial-style, metal, pivot windows to prevent accumulation of dust inside. Without an adequate means of release, the build-up of dust can lead to a catastrophic explosion in the elevator.

GROUND BREAKING DESIGN: The Union Equity Co-Operative Exchange Elevator B pioneered a ground breaking bin design. Conceived by E.N. Puckett, General Manager, the uniform hexagonal, or honeycomb, bin design reduced wasted space between the bins and enhanced movement of the grain. The innovative design was reportedly inspired by a hotel bathroom floor. By the mid-1960s, Puckett's design was standard for grain elevator design nationwide.

Terminal Grain Elevators Historic District

Tour



Oklahoma's 28th Annual Statewide Preservation Conference

June 2, 2016

Preservation Is Golden…

And so is Wheat!

Union Equity Co-Op Exchange Elevator Z

Other Names: None

Constructed: 1949-1951

Addition: None

Builder: Chalmers & Borton Construction

Capacity: 15.3 Million Bushels

Size: 1000' long X 145' wide

Bin Design: Hexagonal

Union Equity Co-Op Exchange Elevator Y

Other Names: None

Constructed: 1953-1956

Addition: None

Builder: Likely Chalmers & Borton Construction

Capacity: 16.3 Million Bushels

Size: 1000' long X 145' wide

Bin Design: Hexagonal

Oklahoma Wheat Pool Terminal Elevator

Other Names: Farmers' National Grain Corp. & Continental Grain Co. Elevator

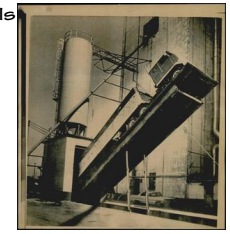
Constructed: 1930 Addition: 1935

Builder: Jones-Hettelsater Construction Co.

Capacity: 2.1 Million Bushels

Size: 455' long X 66' wide

Bin Design: Circular



Union Equity Co-Op Exchange Elevator B

Other Names: None

Constructed: 1946

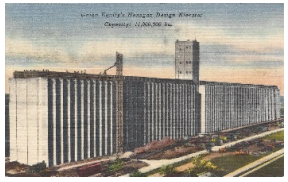
Additions: 2 by 1949

Builder: Chalmers & Borton Construction

Capacity: 11 Million Bushels

Size: 1400' long X 90' wide

Bin Design: *Hexagonal* 1st in US



General Mills Terminal Elevator DEMOLISHED

Other Names: Elevator of General Grain Company

Constructed: 1929

Additions: None

Builder: Unknown

Original Capacity: Unknown

Size: 575' long X 72' wide

Bin Design: Circular

Union Equity Co-Op Exchange Elevator A

Other Names: None

Constructed: 1931

Additions: 1935, 1940, 1941 & 1942

Builder: Likely Chalmers & Borton Construction

Capacity: 7.6+ Million Bushels

Size: 875' long X 156' wide

Bin Design: Circular

Southwest Terminal Elevator

Other Names: Feuquay & Salina Terminal Elevator

Constructed: 1926

Addition: 1927

Builder: Unknown

Capacity: 1 Million Bushels

Size: 394' long X 65' wide

Bin Design: Circular

Enid Terminal Elevator 1st in Oklahoma

Other Names: None

Constructed: 1925-1926

Additions: 1931 & Unknown

Builder: Jones-Hettelsater Construction Co.

Capacity: 1 Million Bushels

Size: 594' long X 60' wide

Bin Design: Circular