



**Agricultural**



**Suburban**



**Commercial**

## *Grain Storage Structures*

If you need the flexibility of having extra grain storage capacity in your general-purpose structure Walters Buildings has the solution for you. Walters' grain storage structures can be used for traditional agricultural equipment storage and can be used for additional grain storage too. It's an economical, quick and diversified solution for current market conditions.

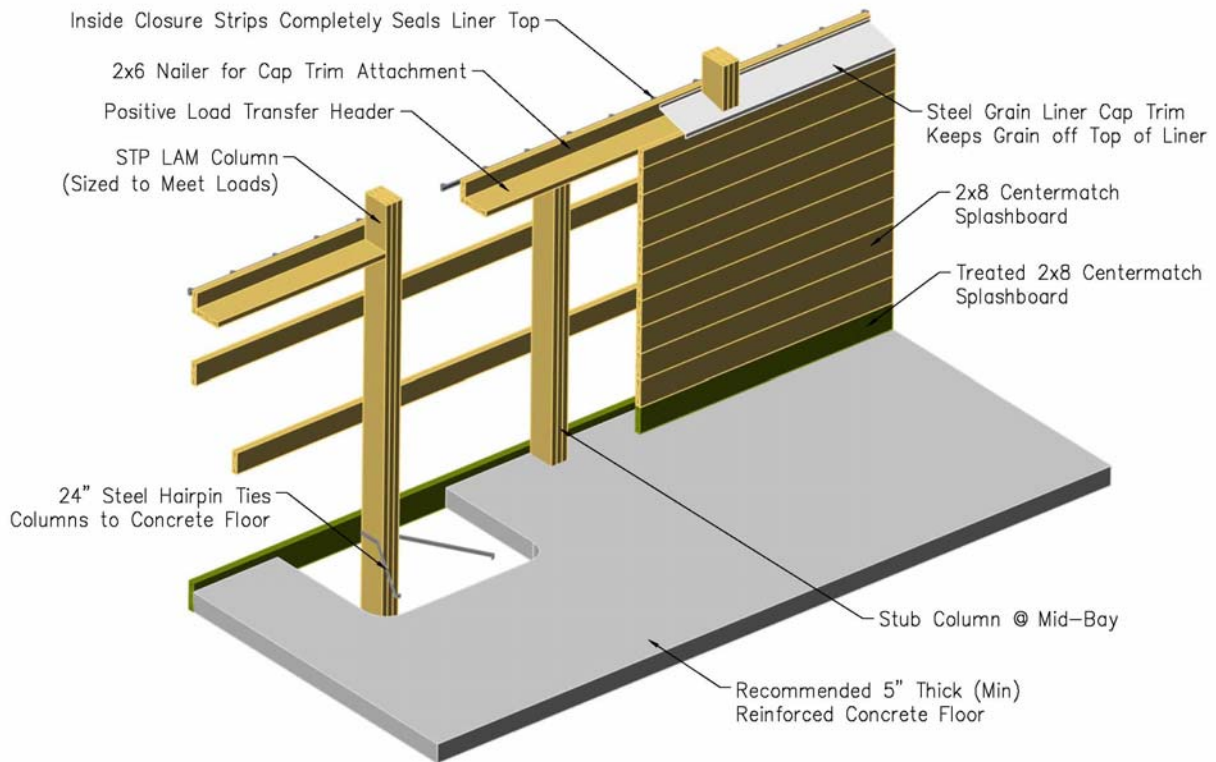
Walters' Grain Storage Structures:

- Additional strength to provide for grain forces
- Tight seals to eliminate grain spillage
- Designed to minimize condensation and maximize ventilation & aeration
- Rodent control considerations

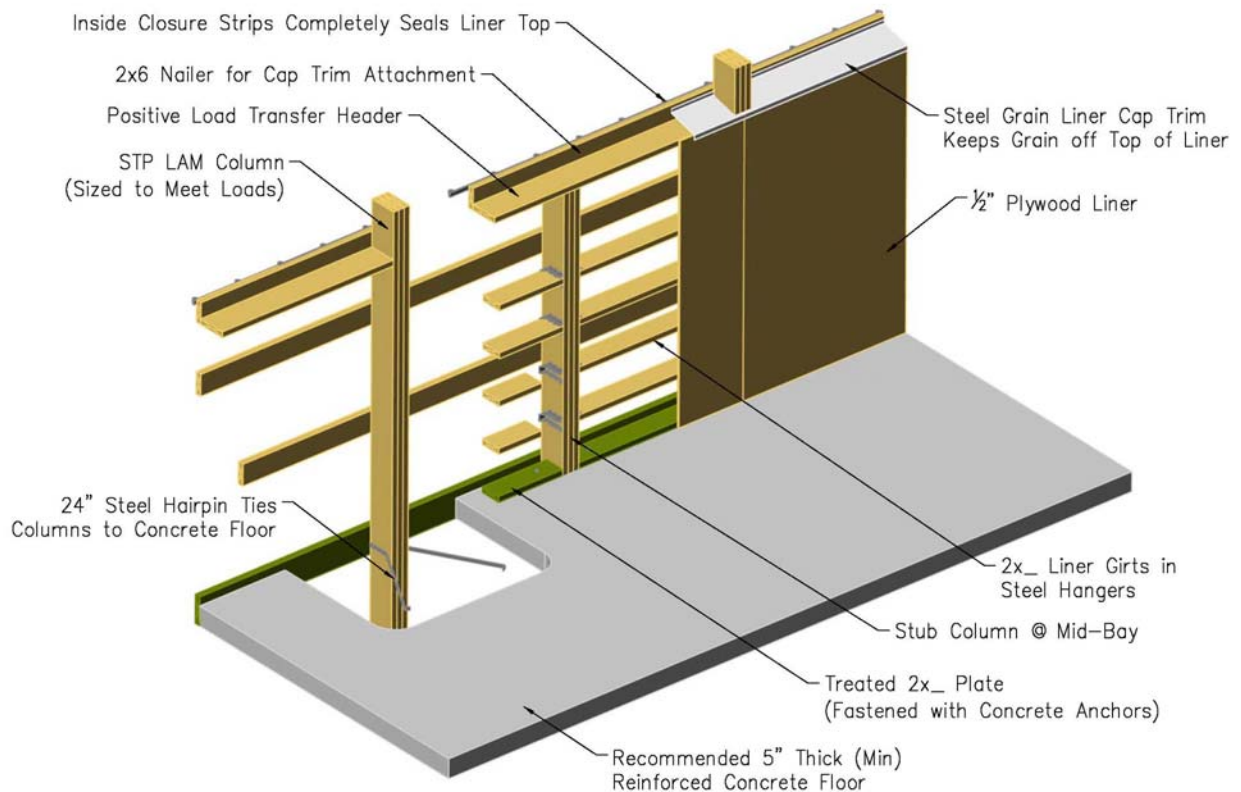
Specifications:

- Two types of liners "2x8 #1 SYP Center Match Lumber" and "1/2" CDX Plywood".
- Variety of heights: 4'-0", 6'-0" and 8'-0".
- Intermediate stub column between full length columns, which are 9'-0" O.C.
- 4'-0" & 6'-0" liners are constructed with 5x6 columns (endwalls & sidewalls).
- 8'-0" liners are constructed with 5x8 columns, main load columns have stiffener (endwalls & sidewalls).
- Positive load transfer header at top of liner.
- Concrete floor thickness of 5" minimum is recommended. Floor should be reinforced with 6"x6"-#10/#10 wire mesh with overlapping splices of at least twelve inches. Expansion/pouring joints must be 15' away from the side and end walls.
- A 6mil poly-urethane vapor barrier is recommended under the concrete floor to prevent excessive moisture from coming up through the floor and into the grain
- Grain cannot be piled above the lower chord of the trusses as sliding grain during loading/unloading could damage the trusses. Trusses may also be damaged by settling of the grain after filling.
- Both liners have an extra 2x6 nailer, inside filler strips and steel grain liner cap trim.
- Plywood liner had a treated 2x6 liner support at floor level, fastened with split drives. Also have 2x6 liner support boards in clips at 1'-0" intervals up to 2' below liner height.
- 2x8 Center Match liner has a treated 2x8 at floor level and untreated 2x8 center match lumber to height of liner.
- Both liners have 24" steel hairpin ties connecting the columns to concrete floor.
- Liner to floor cable attachments are included on all full height endwall columns.

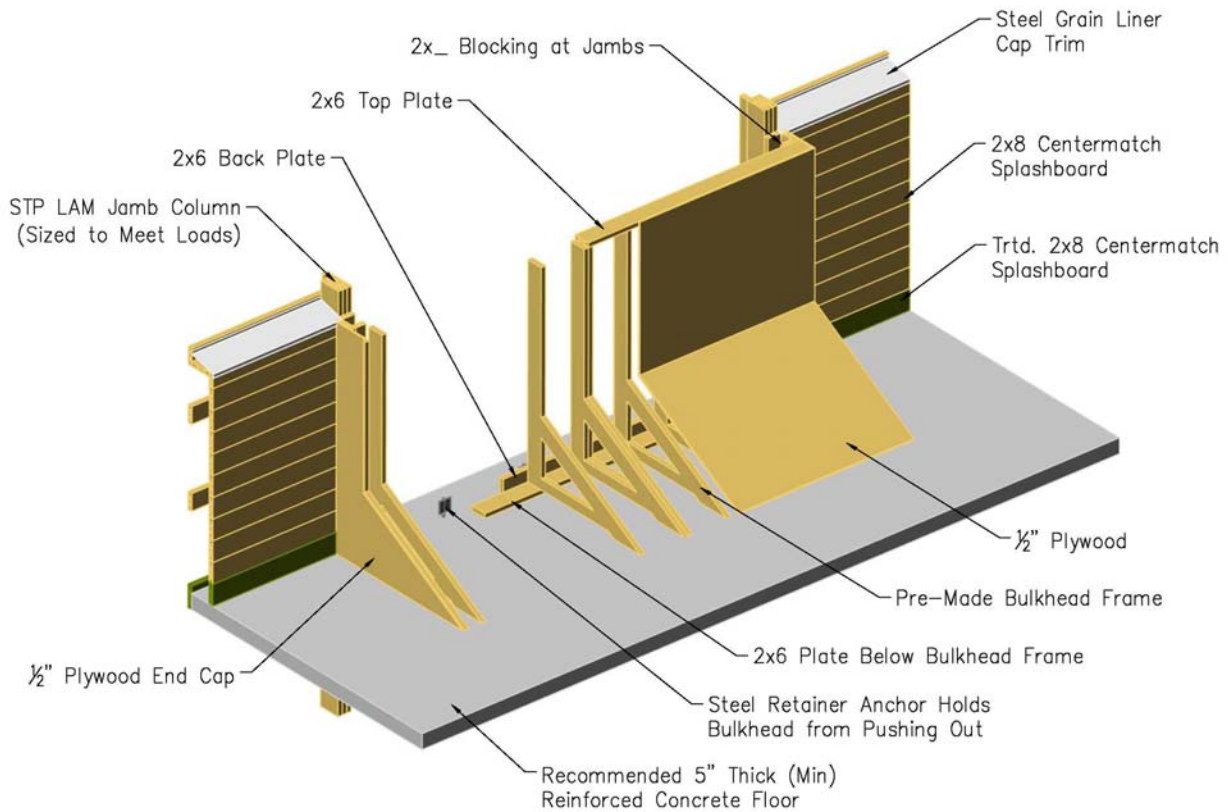
## CENTERMATCH LINER



## PLYWOOD LINER



## BULKHEAD AT DOOR OPENING



# *Celebrating Over 50 Years of Pride in our Buildings!*

### **About Walters Buildings**

Walters Buildings is a leading manufacturer of post-frame buildings including highly efficient, energy saving pole buildings and pre-engineered metal storage buildings, all made in the USA. High-quality materials, skilled craftsman crews and comprehensive warranties have allowed Walters Buildings to deliver a "Better Building Experience" to it's customers for over 50 years. Proud member of the National Frame Builders Association and the Wisconsin Better Business Bureau.

**Walters Buildings** – P.O. Box 388 – Allenton, WI 53002 – 800-558-7800 – [www.waltersbuildings.com](http://www.waltersbuildings.com)

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