NOTE:
FOR WATER-TIGHT CONSTRUCTION, APPLY WATERPROOF MASTIC TO ALL CORNERS BEFORE INSERTING PLYWOOD.

1/4" DIA. BOLTS 6" TO 12" O.C. TYP.

FACE GRAIN ORIENTATION OPTIONAL. IF FACE GRAIN IS ORIENTED VERTICALLY, THEN T & G JOINT IS RECOMMENDED.

END FRAME MAY BE FABRICATED AS ONE UNIT.
WELD ALL AROUND ALL FRAME JOINTS.

NOTE:
THIS BIN IS INTENDED TO BE CARRIED ON A FLAT BED TRUCK OR TRUCK TRAILER. DIMENSIONS SHOWN WITHIN THIS PLAN ARE APPLICABLE TO A 24'-FT. BIN. WITH MINOR MODIFICATIONS, THE LENGTH OF THIS BIN MAY BE VARIED TO SUIT OTHER TRUCK BED LENGTHS. THE OUTSIDE WIDTH IS INTENDED TO COMPLY WITH WIDTH REGULATIONS OF MOST STATES, HOWEVER, ONE MUST CONSIDER INDIVIDUAL STATE REGULATIONS AND BINDER DIMENSIONS BEFORE BUILDING.

CONSULT LOCAL CODE AUTHORITIES BEFORE STARTING CONSTRUCTION.

MENTION OF A TRADE NAME DOES NOT CONSTITUTE A GUARANTEE OR WARRANTY OF THE PRODUCT BY THE U.S. DEPARTMENT OF AGRICULTURE OR AN ENDORSEMENT BY THE DEPARTMENT OVER OTHER PRODUCTS NOT MENTIONED.

NOTE:
CAPACITY 490 CU. FT.
BASIC STEEL DIMENSIONS

1. Use 3\(\frac{1}{8}\) in. x 3\(\frac{1}{4}\) in. steel angle for all peripheral framing.
2. Use 3\(\frac{1}{8}\) in. x 3\(\frac{1}{4}\) in. steel strip for all diagonal framing, for diagonal brace ties under bin bottom, and to reinforce wall joints on non-opening side of bin.
3. Use 1\(\frac{1}{2}\) x 3\(\frac{1}{4}\) in. steel angle for vertical door retainers.
4. Door sills will be cut so as to be even with the surface of the bin floor.
5. All steel work to be coated with government agency-approved coating for food handling.

PLYWOOD SPECIFICATIONS

**BIN SIDES**
- 1\(\frac{1}{2}\) in. DFPA C-C Plugged Exterior Group 1 or 2.
- 3\(\frac{1}{4}\) in. DFPA B-C Exterior Group 1 or 2.
- 5\(\frac{1}{8}\) in. DFPA A-C Exterior Group 1 or 2.

**BIN BOTTOM**
- 1\(\frac{1}{4}\) in. DFPA C-C Plugged Exterior Group 1 or 2 T&B.
- 1\(\frac{1}{4}\) in. DFPA B-C Exterior Group 1 or 2 T&B.
- 1\(\frac{1}{4}\) in. DFPA A-C Exterior Group 1 or 2 T&B.

NOTE

The plywood use recommendations contained in this plan are based on American Plywood Association's continuing program of laboratory testing, product research and comprehensive field experience. However, quality of workmanship and the conditions under which plywood is used vary widely. Because the association has no control over these elements, it cannot accept responsibility for plywood performance or designs as actually constructed.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

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APA '76 6263 SHEET 2 OF 2