

Penco Products, Inc.
Oaks, PA 19456
Technical Bulletin No. 76-2.10

Subject: Storage Cabinets
Voids No. 76-1.00
Date September 1, '87

Storage Cabinet – 36" wide x 78" high x 18", 21" or 24" deep

Assembly – "10-24 x 3/8 truss fin head (slotless) bolts and hex nuts are required. No bolt heads are exposed on sides or face of cabinet.

Door and Frame Assembly – The upright frame channels are #16 gauge with a 1" face on the front and a 1-1/4" face on side. There is a 5/16" return flange on the front and a 13/16" return flange on the side which is punched for attaching the sides.

Three hinges (five knuckle, tight pin) are welded to each upright frame channel.

The top frame channel is #16 gauge with a 1-1/2" face on the front and a 1-13/16" flange on the top to which the top is bolted. Bottom flange is 1-1/4" with 5/8" door strike.

These parts are assembled with two spotwelds at each top corner and three spotwelds at each bottom corner.

The #22 gauge double doors have 1" flanges all around with the verticle edges hacing an additional 1/2" flange, forming a channel edge. The left-hand door has the inside edge formed inward, and acts as a continuous door strike.

Each door is reinforced with a 24 gauge hat section pan which is spotwelded to the inside face of the door. The pan is 5" wide including the 5/8" flanges and is 7/8" deep. Hinges are riveted to the door with two rivets per hinge.

Lock and Latching Mechanism – The component parts are shipped loose to prevent damage to the door assembly. The three point latching mechanism incorporates two #14 gauge x 3/4" ribbed lock bars which are attached to pins on the 10 gauge latch and secured by a spring steel retainer. The latch cam is an integral part of a combination plastic, zinc die cast, and stainless steel recessed handle. The recessed handle has an integral lock with 2 grooved keys each (removable in either locked or unlocked position), master keys are available. The left-hand door does not have any handle or lock.

Sides – #24 gauge – made as either right or left-hand side of cabinet. The side has 13/16" flanges on all four edges. The top and long vertical edges are punched for the assembly of the cabinet. Two, #20 gauge x 1" x 67", adjustment strips are spotwelded to the inside of the sides. 1-1/8" from the long vertical edge. The strips are punched on 2" centers to form tabs which support the bottom and the adjustable shelves. No holes or bolts are exposed.

Back – #24 gauge with a 21/32" flange at the bottom for added stiffness. It is punched for bolting to the top, sides and bottom of the cabinet.

Top – #24 gauge with a 13/16" flange at the rear. It is punched for bolting to the top frame channel, sides and back.

Bottom – #22 gauge formed with a 5/8" flange at the front and rear and a 1-1/8" flange at the sides. The bottom is punched for bolting to the bottom base channel, back and the center partition when used in a combination cabinet.

Shelf – #22 gauge formed 1-3/16" all around with an additional 1/2" inward flange. The flange at the front and rear is formed 15 degrees upward for safety. All shelves are punched at the sides to attach the coat hook/rod holder and the top surface to attach the center partition when used in a combination cabinet.

Component Parts

Center Partition – #20 gauge with front and rear flanges formed 1-1/8" and hemmed 5/8". The top and bottom flanges are formed 3/4" and punched for bolting to the top shelf and the cabinet bottom. The partition is slotted for shelf clips with the shelves being adjustable on 6" increments. The partition is 2-1/8" less than the depth of the cabinet.

Half Shelves – #22 gauge formed 1" all around with an additional 1/2" inward flange at front formed upward 15 degrees for safety. The half shelf is 2-1/2" less than depth of cabinet.

Shelf Adjustment Clip – Zinc plated #16 gauge used only with half shelves in combination cabinets. They are 13/16" wide and are formed to engage two slots in the center partition.

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