SBC-002-316-038
Frame Adapter - for Conventional Distributing Frames
(Yeilding Bracket)
Product Description

Abstract:

Description and instructions for the deployment and use of the Frame Adapter Bracket in conjunction with distributing frame augments.

Audience: Switch Engineers, Space Planners, Frame Planners, Network Operations, and Network Planning & Engineering Staff.
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1. Reasons for Reissue

Reserved for future use.

2. Background

The Frame Adapter was developed to support the deployment of the generic conventional frames described in PAN # 20001000 issued in January 2000.

The purpose of the generic frame concept was to alleviate the proliferation of diverse conventional frame configurations. The intent is to reduce the time and cost in deploying frames in the future by reducing the number of selections available to the Frame Planners when ordering frames augments of existing frames or for placing new frames.

In the case of a frame augment, it is recognized that the new frame and the existing frame dimensions may not match perfectly. This would be most apparent on the horizontal side of the frame. It is possible that the shelves could be offset, vertically, by as much as 4 inches, and the lateral offset, or difference in shelf depth, could be substantially more than 4 inches. When running jumpers along a shelf, it could become awkward to maintain the continuity of the jumper paths: when the junction is reached, do you continue the jumper run on the upper shelf or the lower shelf?

In order to avoid potential jumper congestion at the junction, it was determined that a method needed to be developed to ensure continuity on the appropriate shelf. Mike Yeilding, of the Network Planning & Engineering (Common Systems) organization, developed the frame adapter in conjunction with Hendry Metal Products. The adapter provides a distinct jumper path, at the junction point, between the old and the new frame configuration.

3. Specifications

The adapter is constructed of aluminum and is comprised of three components. There are two end pieces that will attach to the ends of the horizontal mounting bars of the old and new frames, and a 12-inch pre-drilled extension bar. (See Diagram 1.)

The end pieces are pre-drilled to allow for easy bending for adjustment when they are placed on the mounting bars.

Initial cost for this adapter is expected to be about $15.00. It is expected that with formal approval of the CS CFST there will be some adjustment to this pricing.

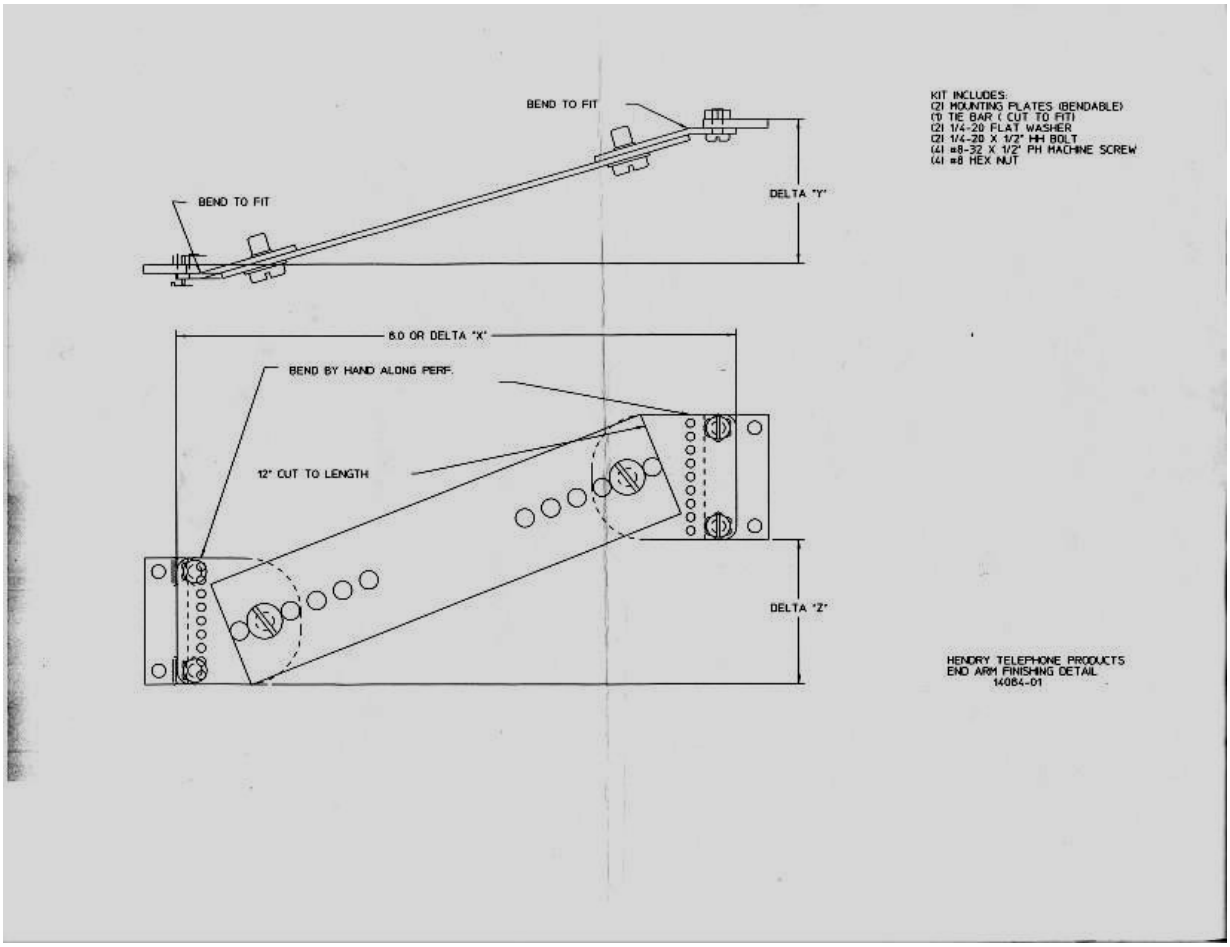

Diagram 1.

4. Method of Deployment

This product has not been formally approved for use. Until a PAN has been issued, the deployment of this product will be handled on a One-Time Approval. Our best approach will be for the Frame Planner to require that all Manufacturer Augments to existing frames match exactly.

The frame adapter can be used when it is identified that the dimensions of the new frame components do not exactly match those of the existing frame. The specific dimensions to be concerned with are, the first horizontal shelf height, the horizontal shelf depth, and shelf separation.

The new frame standards call for the following dimensions:

- First horizontal shelf height of 15 inches from the floor, measured from the center of the shelf.
- Shelf depth of between 19 inches and 21 inches.
- Vertical separation of the horizontal shelves is 8 inches on center.

If the shelf height or depth of the existing frame varies by more than 3 inches from these measurements, or if the vertical separation is anything other than 8 inches on center, the frame adapter cannot be used and a custom frame must be considered.

If a generic frame is deployed, the ends of the mounting bars of the old frame should not be any more than 12 inches from the new frame, nor any closer than 8 inches.

Notes:

It should be noted that this adapter serves no seismic or structural function. It is intended to provide continuity between the old frame and the new frame. Essentially, this bracket is more aesthetic than functional.

The adapter will not have equipment or connector blocks mounted on it.

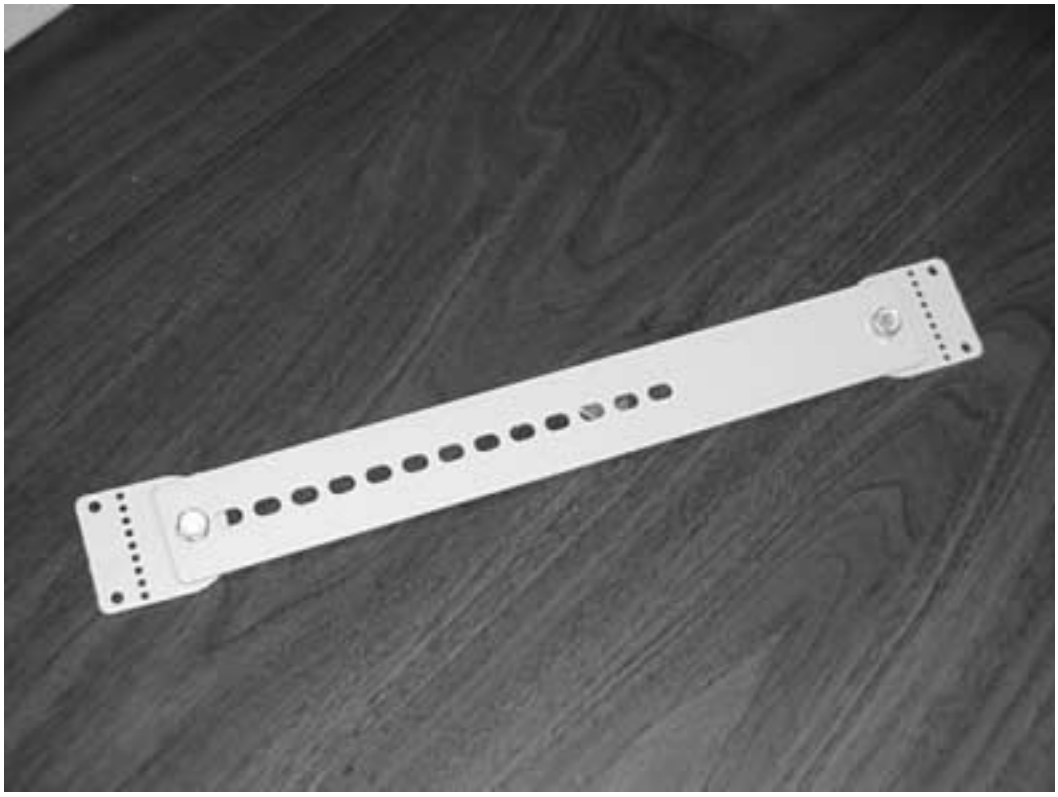

Diagram 2.

5. Installation

To install the bracket:

- Attach a bendable mounting plate on the end of the mounting bar of the old frame and another on the end of the corresponding mounting bar of the new frame, using the supplied mounting screws.
- Measure the distance between the two mounting plates and cut the tie bar to fit. Use a file to smooth any rough edges on the cut end of the tie bar.
- If the depth of the shelves do not match, bend the mounting plates to the appropriate angle to allow the tie bar to mount flush on the mounting plates.
- Attach the tie bar, using the included screws.

6. References

For further information or electronic copies of this document and related information, visit the internal SBC Local Exchange Carrier Web site: **http://home.sbc.com/commonsystems/** or **http://apex.sbc.com**.

Document	Description	Issue & Date
TP 76300MP	Installation Guide within the Central Office	Issue 5, Jul 2000
TP 76400MP	Detail Engineer Requirements for the C.O.	Issue 5, Aug 2000
SBC-002-316-003	Frame Forecast M&P	Issue 7, Jan 2001
SBC-002-316-016	SBC Product Specification for C.O. Connecting Block Standards	Issue 1,May 2001
SBC-002-316-018	SBC MDF/IDF Frame Standards	Issue 1,May 2001
Infrastructure Deployment Guidelines (IDG), Switching, Tab 11	Subscriber Main Distributing Frames	Jul 2000

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