

21 Dec 72

SUBJ: DEMOUNTABLE FRAME HOIST SUPPORT FOR ALS MOVING COIL REGULATORS

1. **PURPOSE.** This order furnishes fabrication details for a demountable frame hoist support to simplify removal of moving coil type regulator cores at ALS substations, and authorizes sector procurement where considered justified.
2. **DISTRIBUTION.** This order is distributed to the Airway Facilities Division, Branch level and above, and to all Airway Facilities Field Offices.
3. **CANCELLATION.** Order CE SM 6910.8 is cancelled.
4. **BACKGROUND.**
 - a. Lead breakage problems have been experienced with the G.E. and Westinghouse ALS constant current regulators using the moving coil principle. Most of the trouble experienced in this Region has been with the G.E. equipment. Repairs necessitate removal of the coil from the regulator tank. Removal of the core requires a lifting device, usually a rented mobile crane.
 - b. The demountable frame shown on the attached drawing was developed by the Southern Region. It fastens directly to the regulator housing and transformer base and provides a readily useable and economical lift frame from which a hoist may be suspended.
5. **FIELD ACTION.**
 - a. **Individual Sector Offices** shall submit their requirements to the Regional Office with complete justification. Factors to be considered in justifying the installation should include:
 - (1) Availability of local equipment for removing the regulator coil.
 - (2) The cost of this service as compared to the cost of the hoist.
 - (3) Present and future needs.

Distribution: RAF-3; FAF-0 (Normal)

Initiated By: AGL-445

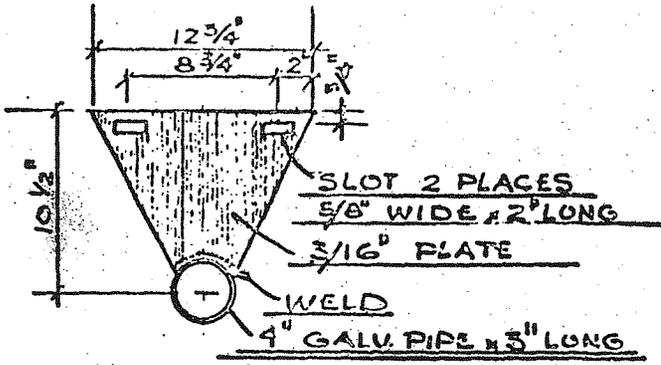
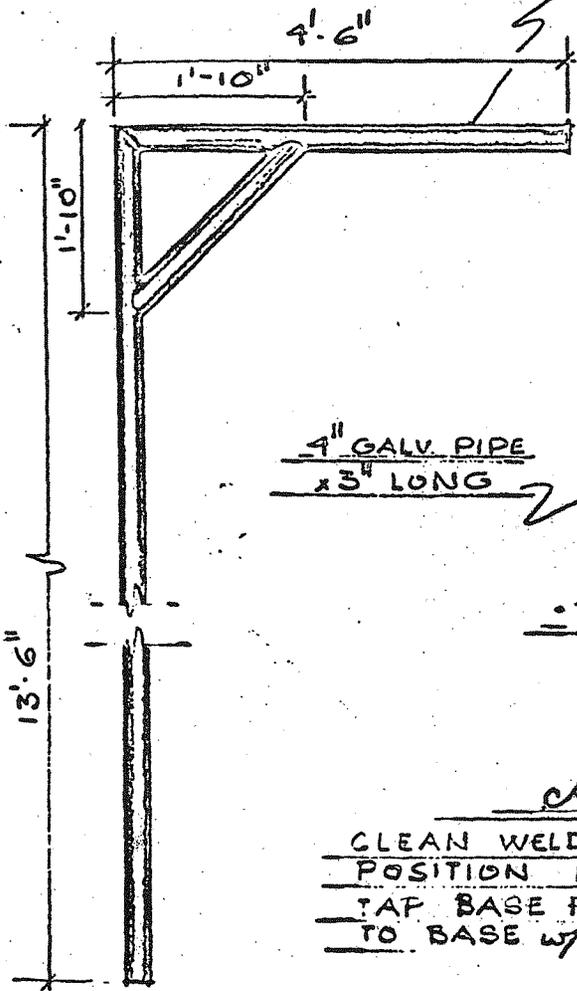
- b. The Regional Office will make the final determination for installing the hoist.
- c. Local fabrication with installation by the local GFET is recommended.
- d. A minimum 1 ton capacity ratchet lever hoist with a 9' lift is recommended, Sears and Roebuck Catalog No. F99 G 78885 with 8' of additional chain, or equal.

Alan H. Glass

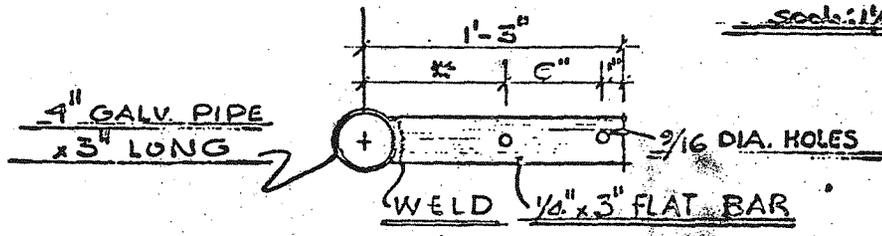
ALAN H. GLASS

Chief, Airway Facilities Division

5" GALV. PIPE, WELDED CONST.
CLEAN & PRIME WELDS. PAINT
WELDS w/ ALUM. PAINT

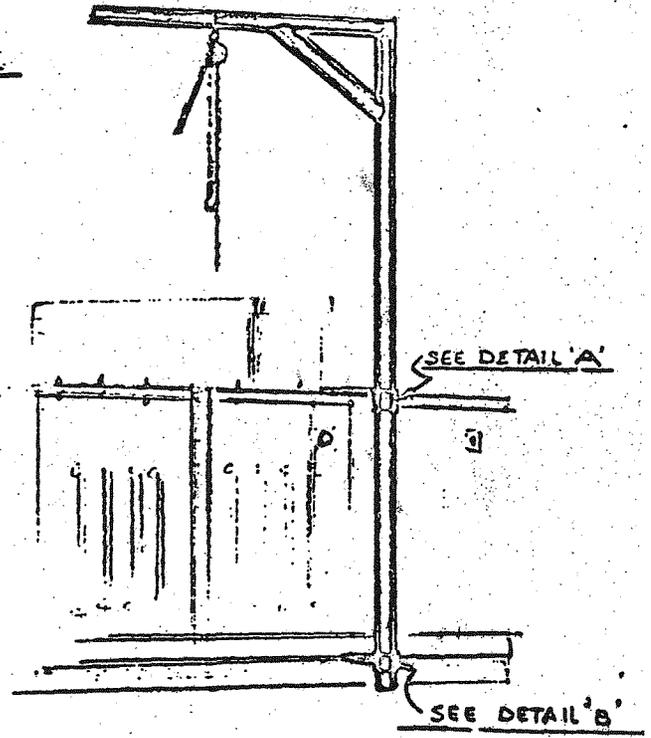


• DETAIL 'A' •
UPPER GUIDE
ONE REQD
Scale: 1/2" = 1'-0"



• DETAIL 'B' •
LOWER GUIDE
ONE REQD
Scale: 1/2" = 1'-0"

NOTES:
CLEAN WELDS & PRIME. PAINT 1 COAT ALUM.
POSITION LOWER GUIDE ON BASE. DRILL &
TAP BASE FOR 1/2" CAP SCREWS. FASTEN
TO BASE w/ 1/2" x 1/2" CAP SCREWS



• ELEVATION •
LIFT - FRAME
ONE REQD
Scale: 3/4" = 1'-0"

* DETERMINE DIMENSION
DRILL 3/16" HOLES IN FIELD

LIFT - FRAME &
DETAILS
SEP 783 | DRN BY LW 11/16/63