

KS-20842 "SENTRY*" PUBLIC TELEPHONE ENCLOSURE

CLUSTER ARRANGEMENT

IDENTIFICATION AND INSTALLATION

1. GENERAL

1.01 This section contains information on four position cluster KS-20842 SENTRY public telephone enclosures. A portion of this information was formerly found in Section 508-452-100, Issue 6. Section 508-452-100 now contains information on single and double SENTRY public telephone enclosures, Section 508-452-102 contains maintenance information for all SENTRY public telephone enclosures, and Section 508-452-103 contains information on miscellaneous apparatus associated with all these enclosures.

1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.

1.03 The cluster telephone enclosure is designed as an indoor-outdoor, vandal-resistant unit to provide security for 1-type coin and 10A coinless telephone sets. The 10A requires that a KS-22171, List 1 adapter be installed.

2. IDENTIFICATION

2.01 There are four complete cluster telephone enclosure arrangements: the Lists 101, 101L, 103, and 103L. These arrangements and associated components are shown in Table A.

2.02 For information on miscellaneous apparatus such as signs, light controls, mast assemblies, directory hangers, etc., which are used in conjunction with these telephone enclosures, refer to Section 508-452-103.

POST ASSEMBLIES

2.03 There are four different post assemblies available: the Lists 105, 105L (Fig. 1), 107, and 107L (Fig. 2).

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2.04 Each post is finished in a black textured vinyl and clear anodized aluminum front panel.

2.05 Entrance holes for power and telephone wiring are provided at top and bottom of post for overhead or underground entrance.

2.06 The lower portion of the post houses an electrical outlet, circuit breaker, and protector. An aluminum removable panel encloses the lower cavity.

2.07 A surface base is not required for most indoor surface installations. For outdoor applications, a buried base may be required.

A. KS-20842, Lists 105 and 105L Post Assembly

2.08 The standard features are as follows:

- Mounts List 31 or 31A housings.
- 10-inch square post.
- Includes four List 45 mountings.
- Electrically prewired.
- KS-19261, List 2, light control unit (List 105L only).
- Shipped fully assembled (less housings).
- Weighs approximately 152 pounds.

B. KS-20842, Lists 107 and 107L Post Assembly

2.09 The standard features are as follows:

- Mounts List 35A housings.
- 10-inch square post.
- Includes four List 45 mountings, four mounting brackets, and four finishing strips.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

TABLE A
BASIC KS-20842 ARRANGEMENT AND COMPONENTS

ARRANGEMENT OR COMPONENT LIST NO.	DESCRIPTION	HOUSING OR PANEL FINISH
101	Four List 31 Housings List 105 Post Assembly which includes: L-905364-2 Post (Universal) 54-inch Four List 45 Mountings	List 60 (Clear) or List 67 (Bronze)
101L	Four List 31 Housings List 105L Post Assembly which includes: L-905364-2 Post (Universal) 54-inch Four List 45 Mountings KS-19261, List 2 Light Control Unit	
103	Four List 35A Housings List 107 Post Assembly which includes: L-905364-2 Post (Universal) 54-inch Four List 45 Mountings Four L-905369 Mounting Brackets Four L-905372-2 Finishing Strip Assemblies B-463805-2 Cover Kit	List 60 (Clear) or List 61 (Black)
103L	Four List 35A Housings List 107L Post Assembly which includes: L-905364-2 Post (Universal) 54-inch Four List 45 Mountings Four L-905369 Mounting Brackets Four L-905372-2 Finishing Strip Assemblies B-463805-2 Cover Kit KS-19261, List 2 Light Control Unit	
105*	L-905364-2 Post (Universal) 54-inch Four List 45 Mountings	—
105L*	L-905364-2 Post (Universal) 54-inch Four List 45 Mountings KS-19261, List 2 Light Control Unit	—
107	L-905364-2 Post (Universal) 54-inch Four List 45 Mountings Four L-905369 Mounting Brackets Four L-905372-2 Finishing Strip Assemblies B-463805-2 Cover Kit	—
107L	L-905364-2 Post (Universal) 54-inch Four List 45 Mountings Four L-905369 Mounting Brackets Four L-905372-2 Finishing Strip Assemblies B-463805-2 Cover Kit KS-19261, List 2 Light Control Unit	—

*List 31A housings (ordered separately) can be used in place of List 31 housings.

TABLE A (Contd)

BASIC KS-20842 ARRANGEMENT AND COMPONENTS

ARRANGEMENT OR COMPONENT LIST NO.	DESCRIPTION	HOUSING OR PANEL FINISH
111	L-905826 Base Two L-905827 Base Covers Six Tamper-Proof Screws Four 5/8-inch plain washers Four 5/8-11 by 1-inch Hex Hd screws Used to surface mount Lists 105, 105L, 107, and 107L Post, also List 152 Buried Base	—
178	Mounting Kit (anchors, bolts, and washers) for installing Post to masonry surface or List 152 Buried Base	—

- Electrically prewired.
- KS-19261, List 2 light control unit (List 107L only).
- Shipped fully assembled (less housings).
- Weighs approximately 232 pounds.

HOUSING ASSEMBLIES

2.10 There are three different housing assemblies available; the List 31 (Fig. 1), 31A, and 35A (Fig. 2).

A. KS-20842, List 31 Housing Assembly

2.11 Intended for indoor or outdoor walk-up service; can be mounted on a List 105 or 105L post assembly.

2.12 Overall dimensions of the List 31 housing are:

- Height—29-5/8 inches
- Width—14-5/8 inches
- Depth—9-5/16 inches
- Thickness of aluminum—3/16-inch.

2.13 A diffuser with the Bell System emblem and word "Phone" or "Charge-a-Call" encloses two 12-inch, 13 watt, fluorescent lamps in top of housing.

2.14 Housing has handset symbol on each side.

B. KS-20842, List 31A Housing Assembly

2.15 Intended for indoor or outdoor walk-up service; can be mounted on a List 105 or 105L post assembly.

2.16 Overall dimensions of the List 31A housing are:

- Height—31-1/2 inches
- Width—14-5/8 inches
- Depth—9-9/16 inches
- Thickness of aluminum—3/16-inch.

2.17 Openings are provided at the top of the housing to accommodate four 1/8-inch thick polycarbonate signs with the word "Phone" or "Charge-a-Call" on the sides and a Bell System emblem plus the word "Phone" or "Charge-a-Call" on the front and rear of the housing. These signs are sealed against the openings with rubber gaskets and held in place with threaded welded studs.

2.18 A clear diffuser encloses two 12-inch, 13 watt fluorescent lamps in the top of the housing.

C. KS-20842, List 35A Housing Assembly

2.19 Intended for indoor or outdoor walk-up service; can be mounted on a List 107 or 107L post assembly.

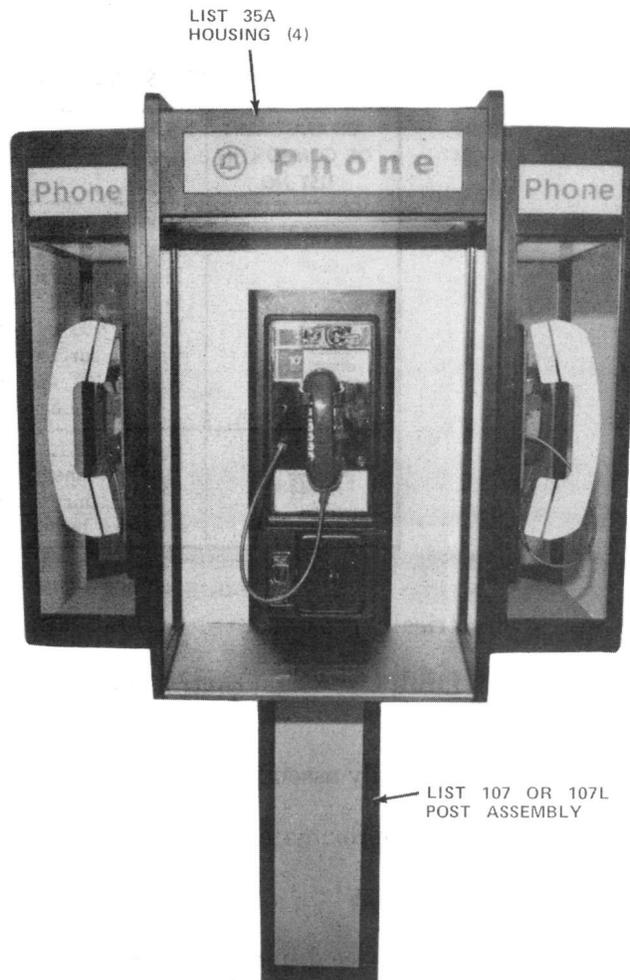
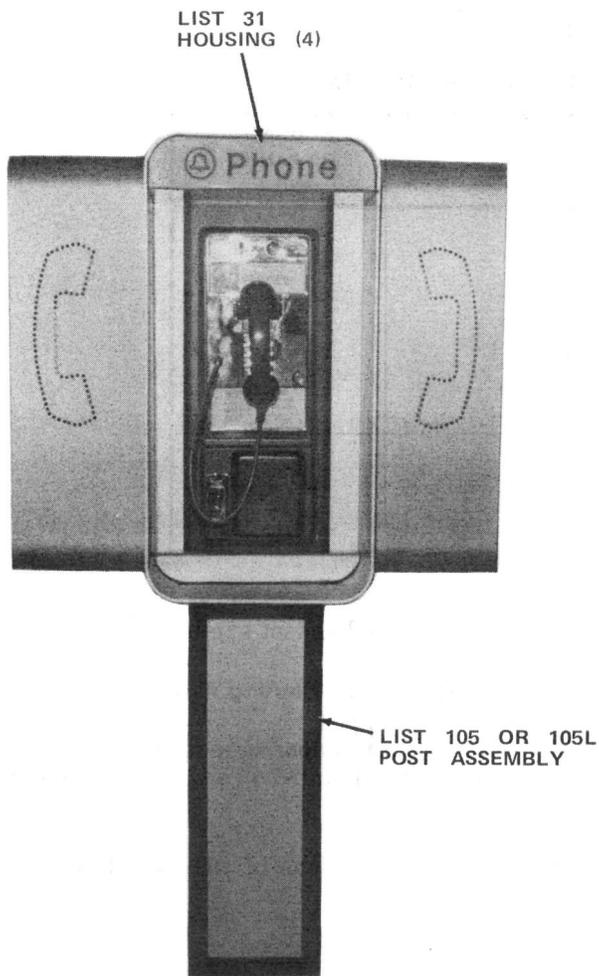


Fig. 1—KS-20842, List 101 or 101L Mounting Arrangement

Fig. 2—KS-20842, List 103 or 103L Mounting Arrangement

2.20 Overall dimensions of the List 35A Housing are:

- Height—38-3/8 inches
- Width—21-1/4 inches
- Depth—11 inches.

2.21 The List 35A housing is a larger enclosure than the List 31 or 31A and includes the following features:

- Full width brushed stainless steel writing shelf.

- Black anodized or clear aluminum frame.
- Transparent, tempered glass side panels with handset symbols.
- Signs “Phone” or “Charge-a-Call” on four sides, blue graphics on a white background, illuminated by the dome light fixture.
- Lighted by two 14 watt fluorescent lamps.
- Removable light diffuser.

ORDERING (See Table A)

2.22 Orders for the enclosure shall specify the

quantity, KS-number, list number, finish number, and any optional item required. Refer to appropriate table in Section 508-452-103 for optional items.

3. INSTALLATION

3.01 Location of telephone should be as follows:

- Readily accessible, well lighted, and in full view of public.
- Clear of wall switches, outlets, fuse boxes, vents, etc.
- In sufficient location and adequate space to permit access for maintenance purposes.
- In areas free of potential hazards (such as explosives).

3.02 Cluster telephone enclosures may be installed on the following:

- Masonry surfaces
- Wooden surfaces
- KS-20842, List 52 (A&M Only) or 152 buried base.

LIST 105, 105L, 107, OR 107L POST ASSEMBLY

3.03 The post for a cluster telephone enclosure can be secured directly to a masonry or wooden surface or a buried base as follows.

(a) ***Existing Masonry Surfaces Using List 178 Mounting Kit (Fig. 3) Without Optional List 111 Surface Base Assembly.***

- (1) Surface shall be in good condition showing no visible evidence of deterioration such as spalling or cracking.
- (2) The minimum dimensions for a walk-up installation without a mast assembly is 5 inches thick and 74 inches square (Fig. 3).

Note: On existing booth pads the post should be centered on the pad.

- (3) Using a KS-19192, List 1 wrench, remove the button head security screws from the

L-765006-3 front panel assembly. Remove the panel as follows:

- (a) Brace knee against right side of post, as viewed from front.
- (b) Place both hands on opposite side of panel.
- (c) Pull top and bottom of panel simultaneously toward right side of post.
- (d) When the locking flange on the left side of panel clears the post, pivot the left side away from the post.
- (e) Pull the panel to the left and away from the post.
- (f) To install panel, use reverse procedure.

(4) Place the base of post in exact position of installation. Using the base of the post as a template, mark the locations for the four mounting holes.

(5) Remove the post from drilling area.

Danger: Use eye protection while drilling.

(6) Drill four 5/8-inch holes to accept concrete anchors from the List 178 mounting kit. Holes should be approximately 2 inches deep so the anchor is flush or slightly underflush.

(7) Clean out holes and set anchors using Hilti HSD12 setting tool or equivalent.

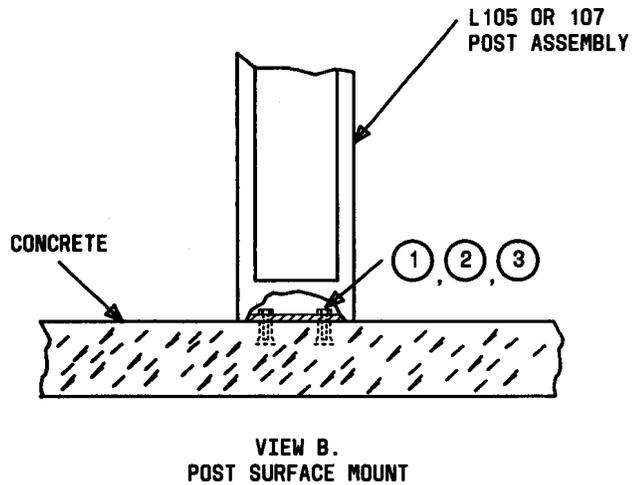
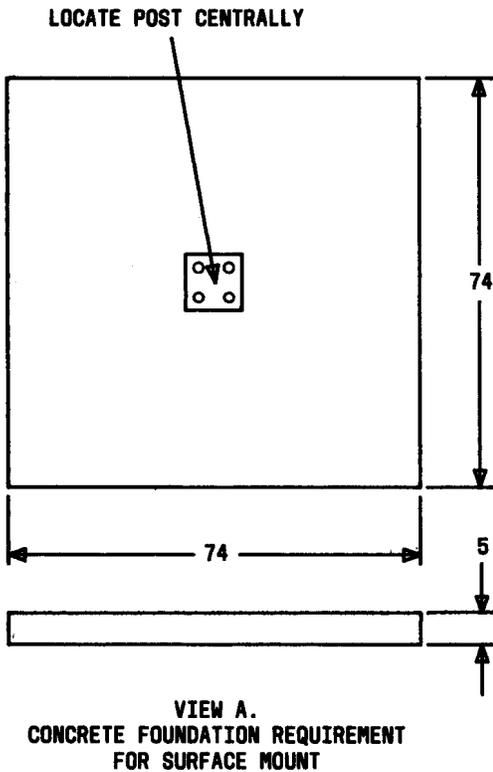
(8) Secure the post using four bolts and washers in the mounting kit.



The post must be level to ensure proper operation of the coin telephone set. Use shimming washers as necessary on the mounting bolts for final leveling.

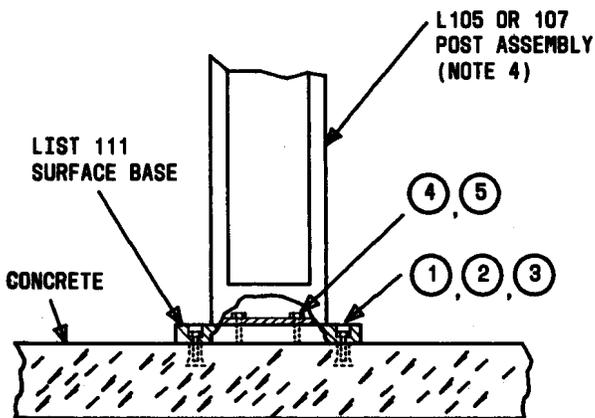
(b) ***Existing Masonry Surfaces Using List 178 Mounting Kit (Fig. 3) and Optional List 111 Surface Base Assembly (Fig. 4 and 5).***

Note: The List 111 surface base assembly is to be used where underground or floor interfer-

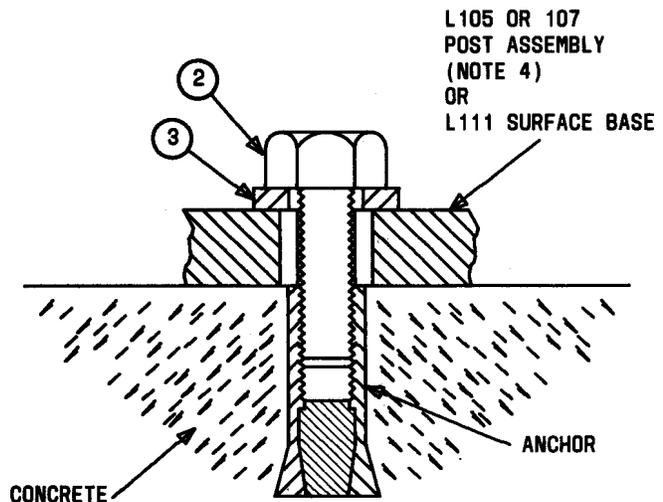


NOTES:

1. ALL DIMENSIONS SHOWN ARE IN INCHES.
2. IF UNDERGROUND POWER AND TELEPHONE WIRES ARE TO BE USED, PROVIDE CONDUIT BEFORE POURING CONCRETE. WHEN REQUIRED, INSTALL GROUND ROD BEFORE POURING CONCRETE (ENSURE CONDUIT AND ROD ARE LOCATED PROPERLY TO ENTER POST OPENING)
3. PAD (IF REQUIRED), POUR POR-ROCK® AS PER INSTRUCTIONS ON CONTAINER. CURING TIME 15-20 MINUTES. POUR-ROCK® ANCHORING CEMENT OR POUR-ROCK® GROUT CAN BE OBTAINED FROM LENN & FINK INDUSTRIAL PRODUCTS DIV. OF STERLING DRUG INC, MONTVALE N.J. OR EQUIVALENT. THE POUR-ROCK® ANCHORING CEMENT IS A READY TO USE MIXTURE. THE POUR-ROCK® GROUT REQUIRES THE ADDITION OF WATER BEFORE USING IT.
4. ALL POST MOUNTS - USE SHIMMING WASHERS AS NECESSARY TO LEVEL POST.

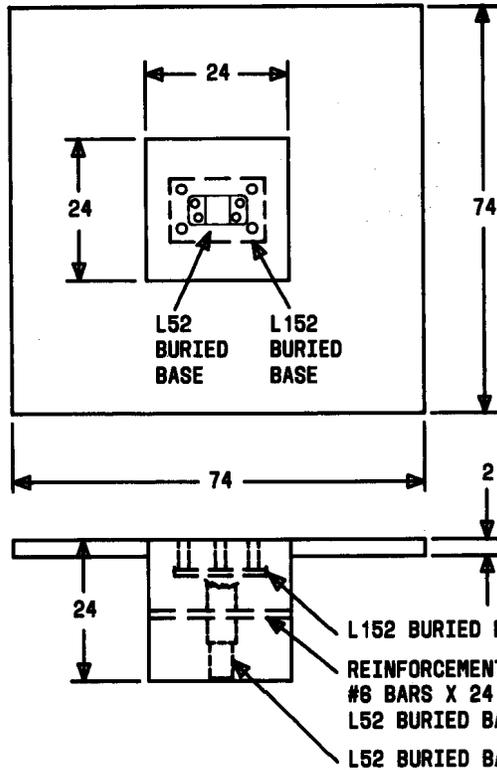


VIEW C.
POST WITH OPTIONAL LIST 111 SURFACE BASE
MOUNT (BASE BRIDGES INTERFERENCE IN FLOOR)

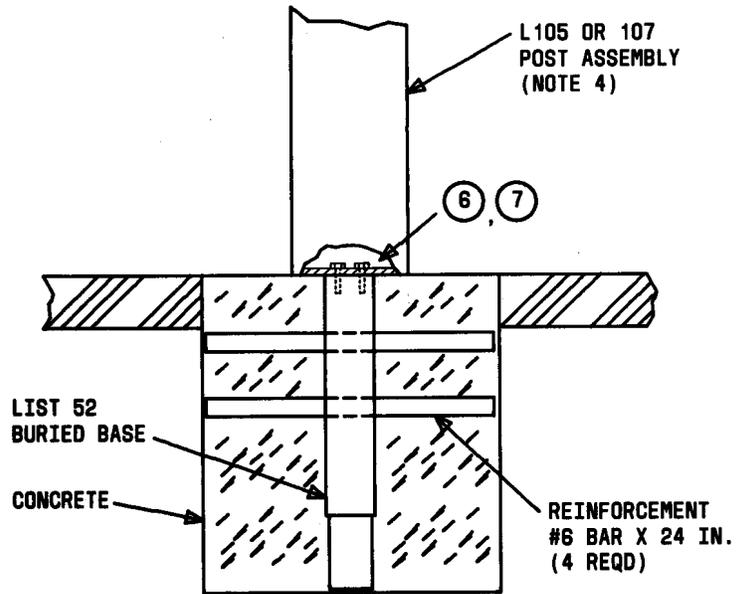


VIEW D.
SURFACE MOUNT IN CONCRETE

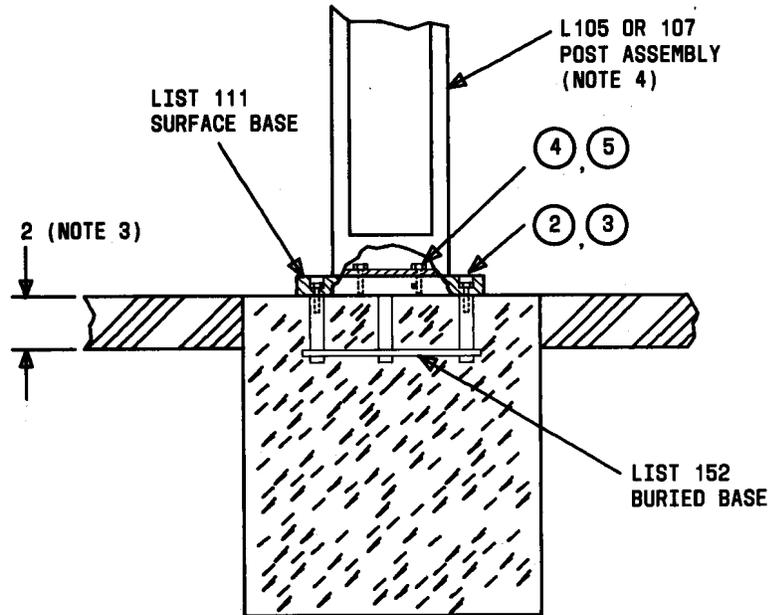
Fig. 3—Concrete Foundation Requirements For Surface Mount Post or List 52 or 152 Buried Base (Sheet 1 of 2)



VIEW E.
CONCRETE FOUNDATION REQUIREMENTS WHEN
USING THE LIST 52 OR 152 BURIED BASE
(NOTES 1, 2 AND 3)



VIEW F.
POST WITH LIST 52 BURIED BASE MOUNT



VIEW G.
POST WITH LIST 152 BURIED BASE MOUNT
(LIST 111 SURFACE BASE ALSO REQUIRED)

LEGEND:

- ① CONCRETE ANCHORS, 1/2 IN. HILTI HD1 DROP-IN ANCHOR CAT. NO. 5490024 OR EQUIV. (LIST 178 MOUNTING KIT).
- ② 1/2-13 X 1 IN. HEX HD MACHINE BOLTS (LIST 178 MOUNTING KIT).
- ③ 1/2-IN PLAIN WASHERS (LIST 178 MOUNTING KIT).
- ④ 5/8-11 X 1 IN. HEX HD SCREW (LIST 111 BASE).
- ⑤ 5/8-IN. PLAIN WASHERS (LIST 111 BASE).
- ⑥ 5/8-11 X 1-3/4 IN. HEX HD SCREW (LIST 52 BURIED BASE)
- ⑦ 21/32-IN. FLAT WASHER (LIST 52 BURIED BASE)

Fig. 3—Concrete Foundation Requirements For Surface Mount Post or List 52 or 152 Buried Base (Sheet 2 of 2)

ence (raceways, junction boxes, etc.) is encountered.

- (1) Surface shall be in good condition showing no visible evidence of deterioration such as spalling or cracking.
- (2) The minimum dimensions for a walk-up foundation without a mast assembly is 5 inches thick and 74 inches square (Fig. 3).

Note: On existing booth pads the post should be centered on the pad.

- (3) Repeat paragraph 3.03(a)(3).
- (4) Place the base (plate), List 111 surface base assembly in the exact position of installation. Using the baseplate as a template, mark the locations for the four 5/8-11 by 1-inch hex head screws.
- (5) Remove the baseplate from drilling area.

Danger: Use eye protection while drilling.

- (6) Drill four 5/8-inch holes to accept concrete anchors from the List 178 mounting kit. Holes should be approximately 2 inches deep so the anchor is flush or slightly underflush.
- (7) Clean out holes and set anchors using Hilti HSD12 setting tool or equivalent.
- (8) Secure the List 111 baseplate to the anchors using the four 5/8-11 by 1-inch hex head screws and 5/8-inch plain washers furnished with the List 111.
- (9) Place the cluster post on top of the baseplate and secure the post to the plate using four bolts and washers furnished with List 178 mounting kit.

- (10) Install the two List 111 covers to the baseplate with six tamperproof screws.
- (11) Install front panel removed in 3.03(a)(3) on front of cluster post.



The post must be level to ensure proper operation of the coin telephone set. Use shimming washers as necessary on the mounting bolts for final leveling.

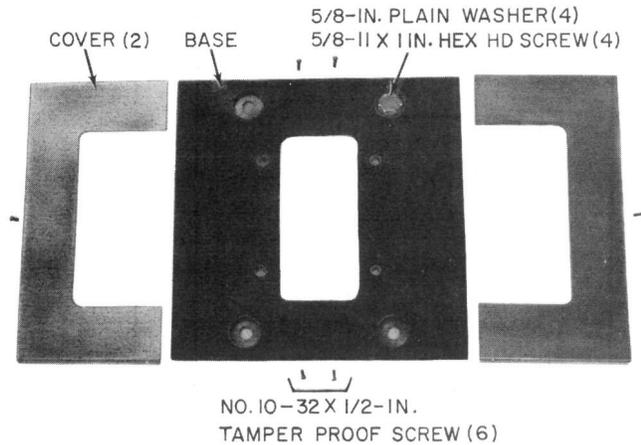


Fig. 4—List 111 Surface Base With Covers Removed

(c) **New Masonry Surfaces Using List 178 Mounting Kit (Fig. 3).**

Note: It is recommended that all new concrete foundations utilize a List 52 (A&M Only) or 152 buried base where possible (Fig. 3). If it is not practical to use a buried base, prepare a surface mount foundation using (Fig. 3, View A) as a guide.

- (1) Repeat paragraph 3.03(a) (3) through (8).



The post must be level to ensure proper operation of the coin telephone set. Use shimming washers as necessary on the mounting bolts for final leveling.

(d) **Wooden Surfaces.**

Note: Surface shall be in good condition showing no visible evidence of deterioration. Surface should be a minimum of 2-inches thick.

- (1) Repeat paragraph 3.03(a) (3) through (5).

Danger: Use eye protection while drilling.

- (2) Drill four 1/2-inch lead holes 2 inches deep.
- (3) Use 5/8 by 3-inch hex head lag bolts and washers (supplied locally) to secure the post to the mounting surface.

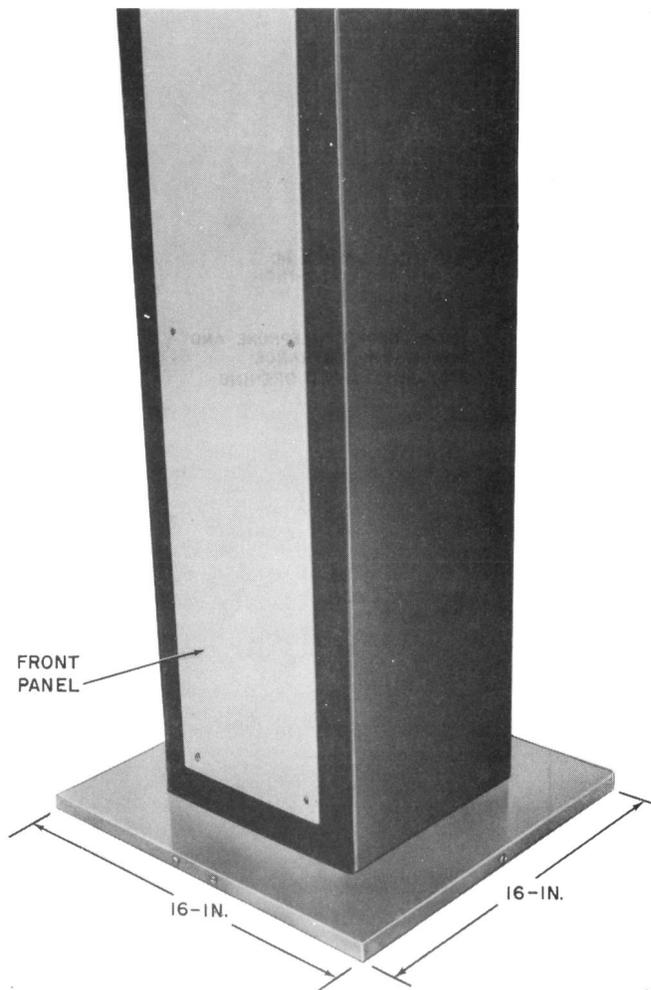


Fig. 5—List 111 Surface Base Installed on L-905364-2 Post

- (4) Install front panel removed in 3.03(a)(3) on front of cluster post.



The post must be level to ensure proper operation of the coin telephone set. Use shimming washers as necessary on the mounting bolts for final leveling.

- (e) **List 52 (A&M Only) Buried Base Assembly (Fig. 6).**

- (a) Prepare a form as follows.
- (1) Excavate soil to the dimensions shown in Fig. 3.

Note: If soil is too soft, it may be necessary to build forms.

- (b) Position the List 52 base in the correct position.

Note 1: Correct position is with the two hex head bolts spaced 5-5/8 inches center-to-center located on the front side and the two hex head bolts spaced 6-1/4 inches center-to-center located on the rear.

Note 2: Make sure that top of base will be flush with top of concrete.

Note 3: Do not remove the four hex head bolts from base before concrete is poured.

- (c) Insert four 3/4- by 30-inch steel reinforcement rods through the base.
- (d) If underground power and telephone wires are to be used, provide conduit for this purpose before pouring concrete.
- (e) When required install ground rod before pouring concrete, leaving 4 to 5 inches above top of base. Refer to Fig. 8 to determine if ground rod is required.
- (f) Verify that top of base is level and pour the concrete to fill the form.
- (g) After concrete has properly cured, remove the four screws and washers from top of List 52 buried base.
- (h) Repeat paragraph 3.03(a)(3).
- (i) Place the post on the buried base and fasten with hardware removed in (g).



The post must be level to ensure proper operation of the coin telephone set. Use shimming washers as necessary on the mounting bolts for final leveling.

- (f) **List 152 Buried Base (Fig. 7).**

- (a) Prepare a form as follows.
- (1) Excavate soil to the dimensions shown in Fig. 3.

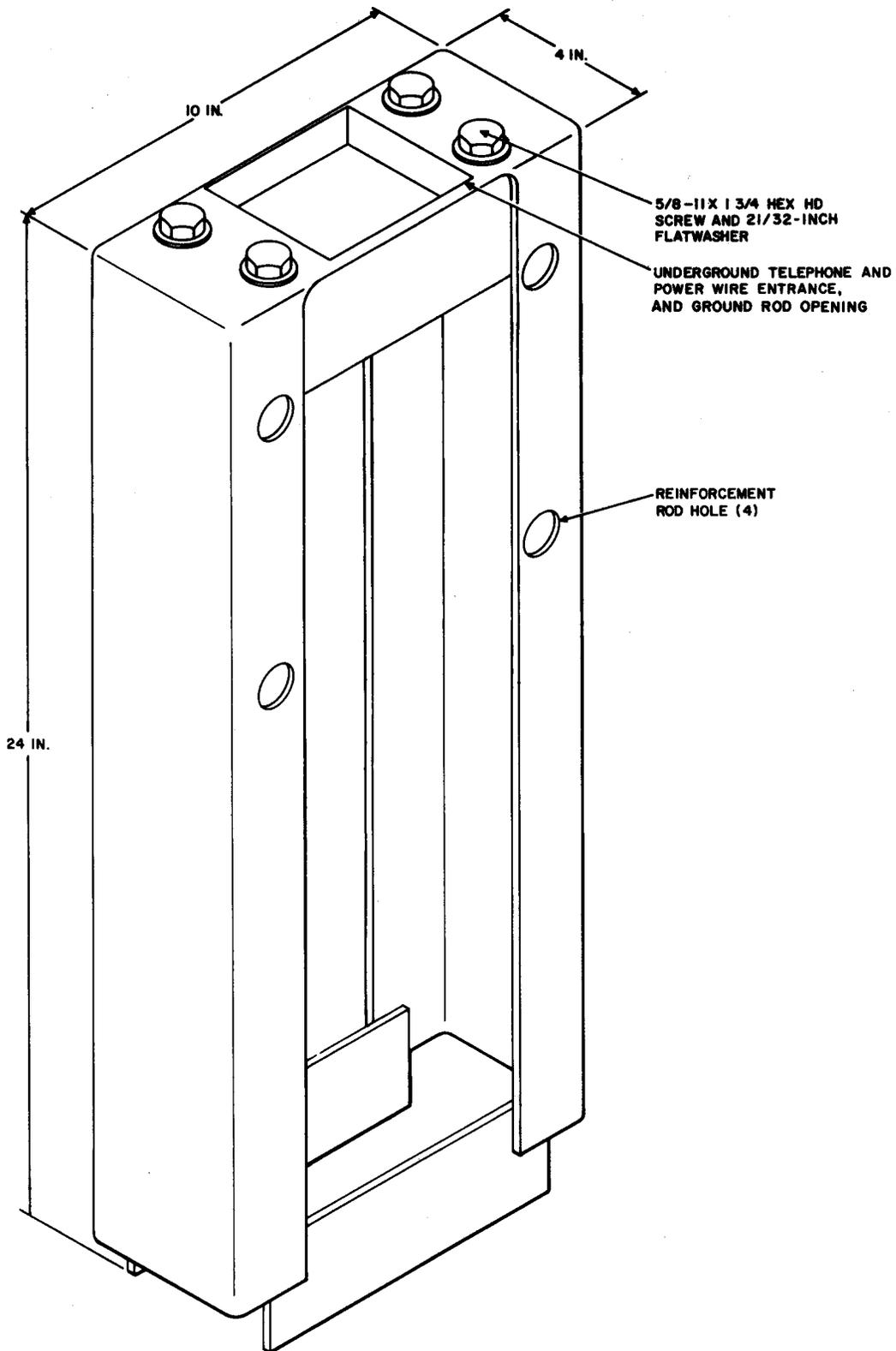


Fig. 6—List 52 (A&M Only) Buried Base

Note: If soil is too soft, it may be necessary to build a form.

- (b) A leveling tool (Fig. 9, supplied locally) can be used to position the List 152 buried base during installation. Attach the base to the tool and position as shown in Fig. 10, View A, B, or C depending on soil conditions.

Note: The correct position of the List 152 buried base is with three (3) of the pipe studs facing forward.

- (c) Insert the six plastic plugs furnished with the base into the 3/8-inch tapped pipe holes.
- (d) If underground power and telephone wires are to be used, provide conduit before pouring concrete.
- (e) When required, install ground rod before pouring concrete. Ensure that conduit and rod are located properly to enter post opening.
- (f) Verify that top of base is level and pour the concrete to fill the form.
- (g) After concrete has properly cured, remove the six plastic plugs from 3/8-inch tapped pipe holes in buried base.
- (h) Repeat paragraph 3.03(a)(3).
- (i) Place the post on the buried base and fasten with hardware furnished with the List 152 buried base (Fig. 7).



The post must be level to ensure proper operation of the coin telephone set. Use shimming washers as necessary on the mounting bolts for final leveling.

LIST 31, 31A, OR 35A HOUSING ASSEMBLY

3.04 Install the List 31 or 31A Housing (Fig. 11 and 12) on List 105 or 105L Post Assembly as follows.

Note: If a mast assembly is to be installed on a post, install the mast assembly before the housings (see Section 508-452-103).

- (a) Using a KS-19192, List 1 wrench, remove the two security screws from top of each housing

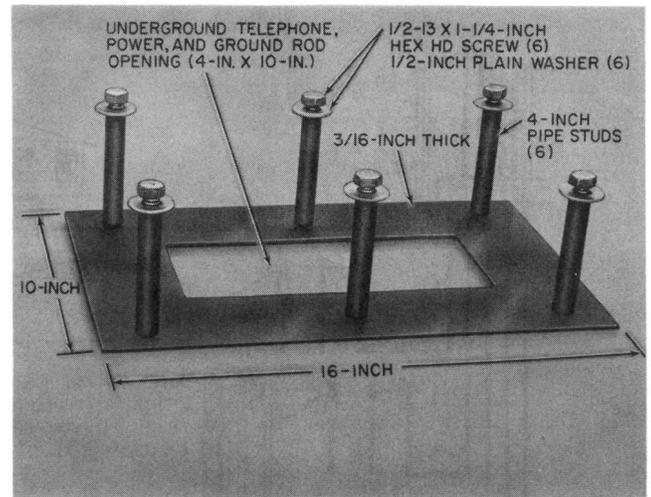
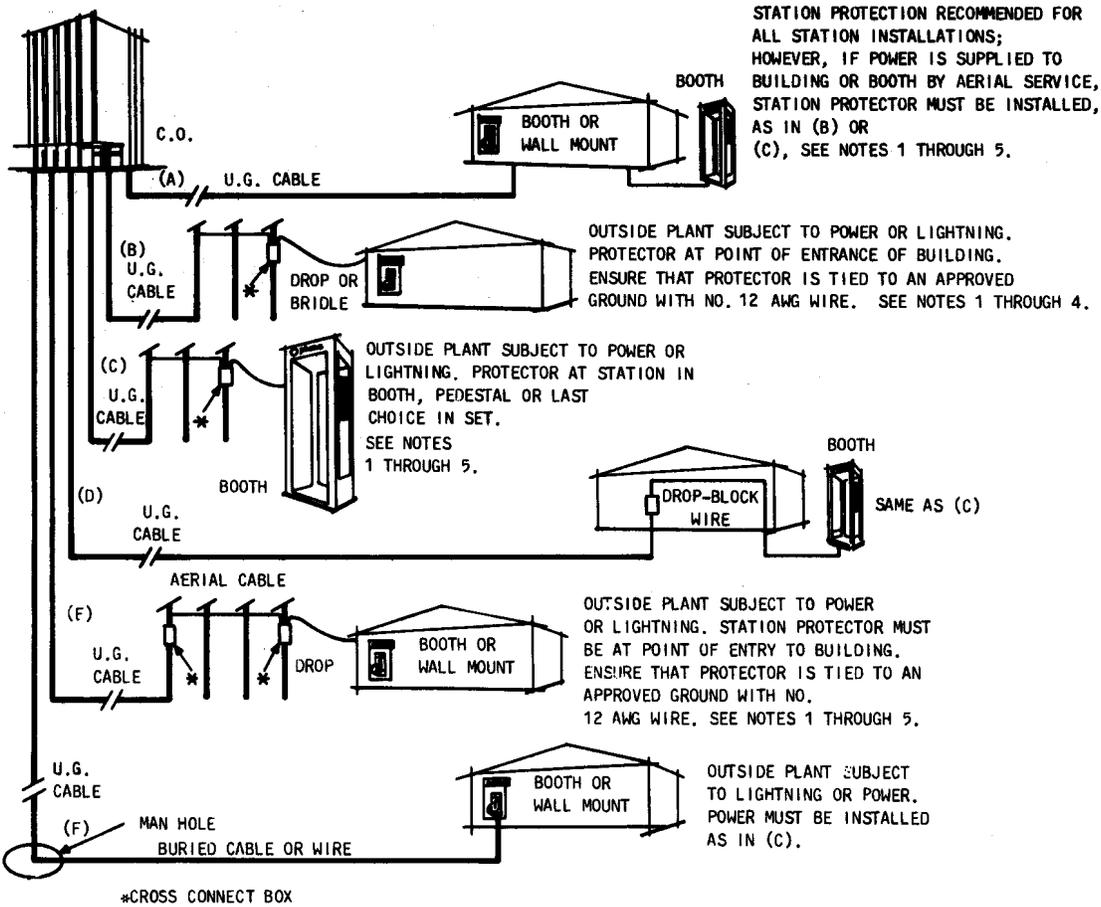


Fig. 7—List 152 Buried Base

- (List 31 only) and loosen the two security screws at the rear of diffuser. Remove diffuser.

Danger: Wear eye protection when handling the fluorescent lamps.

- (b) Remove the two fluorescent lamps from the light fixture.
- (c) Remove the two hex head screws and flat washers from lower rear of housing and remove the L-765034 cover.
- (d) Remove the two outside-front hex head screws from top of mounting.
- (e) Remove front panel from post, paragraph 3.03(a)(3), and bottom cover from List 45 mounting.
- (f) Position housing on each List 45 mounting (Fig. 14) while carefully guiding electrical cord through the cable hole located in bottom front of each mounting.
- (g) Secure top of housings using the two 3/8-16 by 1-1/2 hex head screws and two 13/32-inch flat washers removed in (d). Do not tighten the screws.
- (h) Secure lower part of housing with screws and cover removed in (c). Screws are fed through mountings from inside into the threaded cover holes.



NOTES:

1. FOR ADDITIONAL INFORMATION ON STATION PROTECTOR AND SIGNALING GROUNDS, REFER TO SECTION 460-100-400 AND FOR D-TYPE SETS REFER TO TOP-506-410-402.
2. HOUSINGS OF ALL OUTSIDE STATIONS MUST BE GROUNDED. IF SET IS NOT MOUNTED IN A GROUNDED ENCLOSURE, RUN A NO. 12 AWG WIRE FROM STATION TO NEAREST APPROVED GROUND.
3. CARBON BLOCKS THAT BREAK DOWN PREMATURELY CAN CAUSE FAILURES OF COIN COLLECT OR REFUND. CARBON BLOCKS SHOULD BE REPLACED BY GAS TUBE PROTECTORS (123E1A) OR 11B1A PROTECTOR UNITS IN 123-TYPE PROTECTOR BASE. SEE SECTION 506-100-100.
4. WHEN THE PROTECTOR IS MOUNTED IN AN ENCLOSURE SUCH AS A BOOTH OR SHELF, BOND THE ENCLOSURE AND PROTECTOR GROUND TOGETHER WITH NO LESS THAN NO. 12 AWG WIRE, SEE SECTION 508-100-100.
5. WHEN PROTECTOR IS MOUNTED INSIDE SET, CONNECT WIRING PER VIEW A OR B BELOW.
6. TERMINALS PG AND G ON COIN CHASSIS SHOULD NEVER BE STRAPPED TOGETHER.

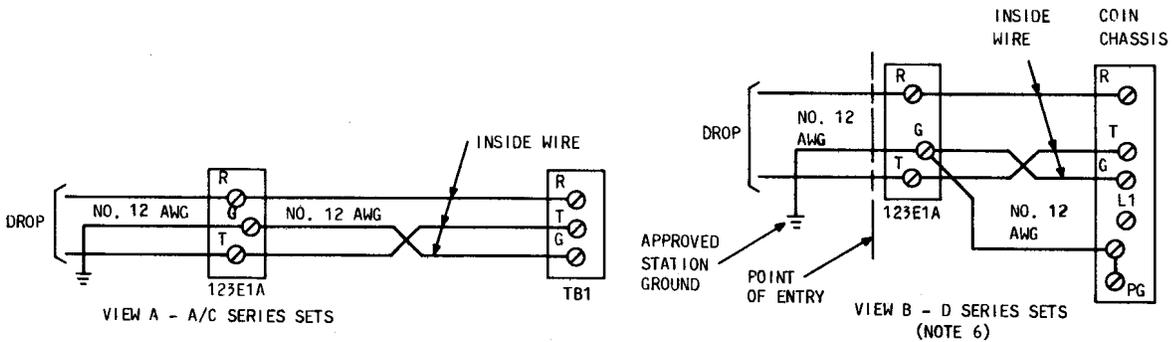


Fig. 8—Grounding Requirements

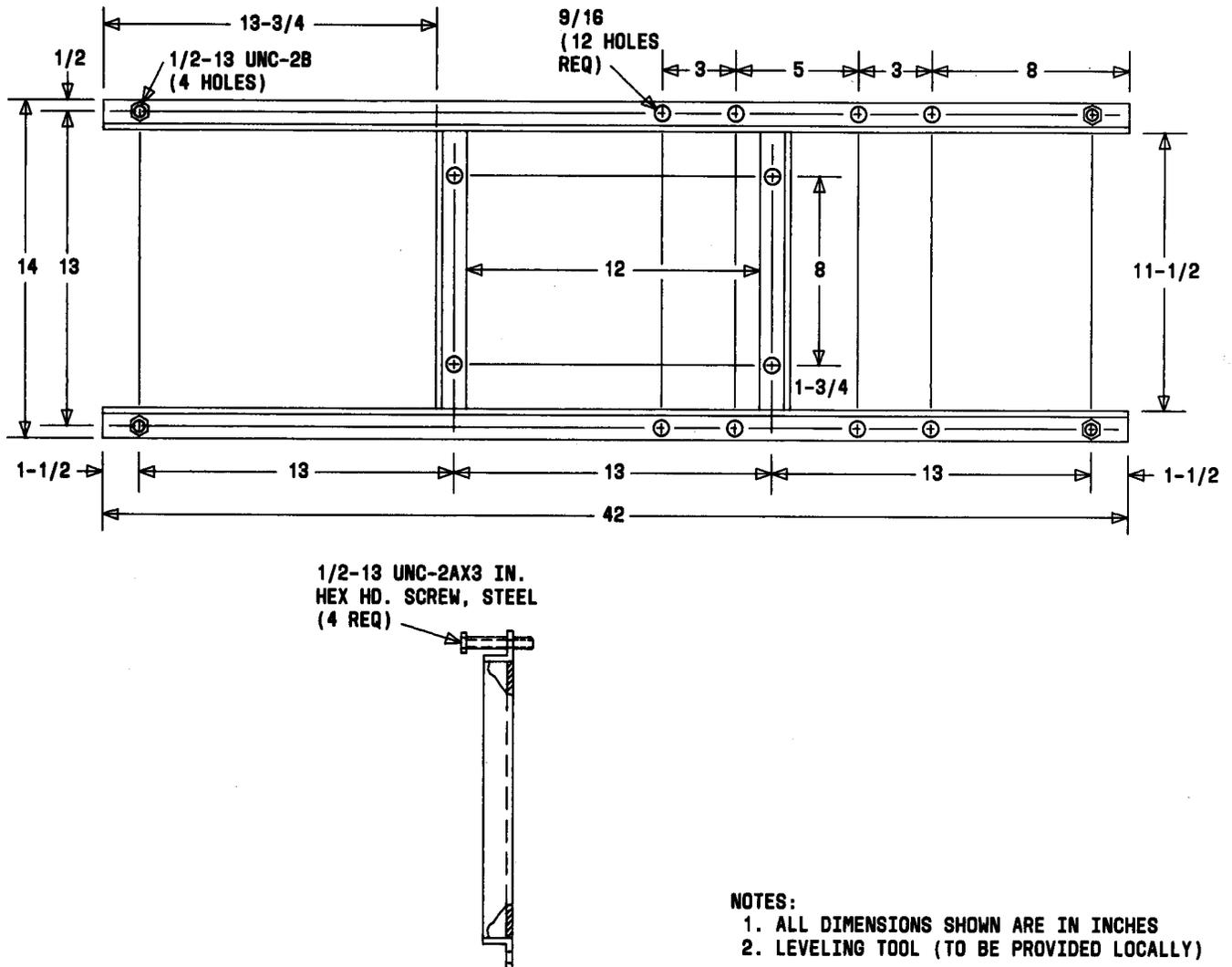
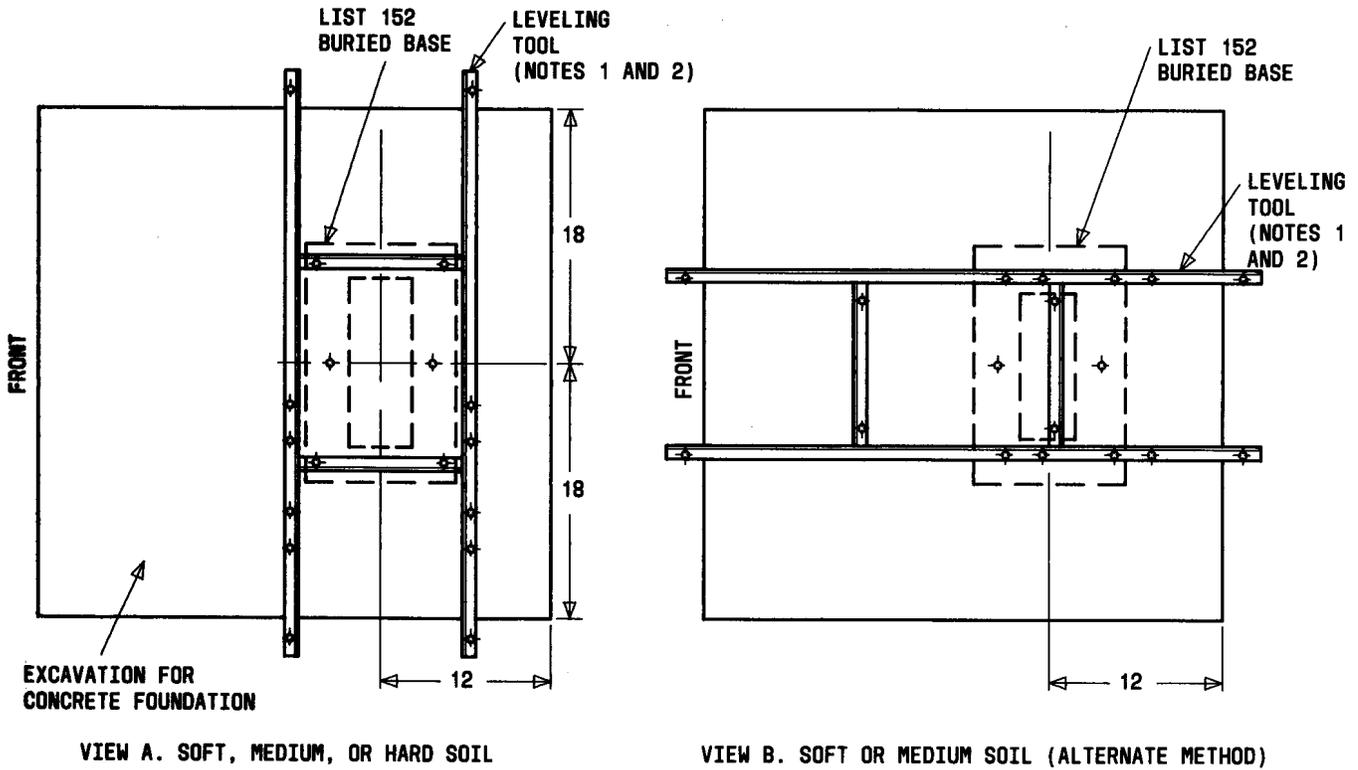


Fig. 9—Leveling Tool (See Notes 1 and 2)

- (i) Tighten the two screws installed in top of housing.
- (j) Ensure that the two connectors in upper part of housing are properly engaged and install the two fluorescent lamps removed in (b).
- (k) Plug the electrical cord into the receptacle provided in lower portion of mounting and replace the front panel and bottom cover removed in (e).
- (l) Install diffuser in housing and tighten the two screws at rear of diffuser. Install the two security screws, removed in (a) (List 31 only), and secure top diffuser.
- (m) Install 1-type coin telephone set per Section 506-410-400 or TOP 506-410-402. Install 10A coinless telephone set per Section 506-500-100.
- 3.05 Install the List 35A Housings (Fig. 13 and 14) on List 107 or 107L Post Assembly as follows.**
- Note:** If a mast assembly is to be installed on a post, install the mast assembly before housing (see Section 508-452-103).



NOTES:

1. ALL DIMENSIONS SHOWN ARE IN INCHES.
2. LEVELING TOOL (TO BE PROVIDED LOCALLY).

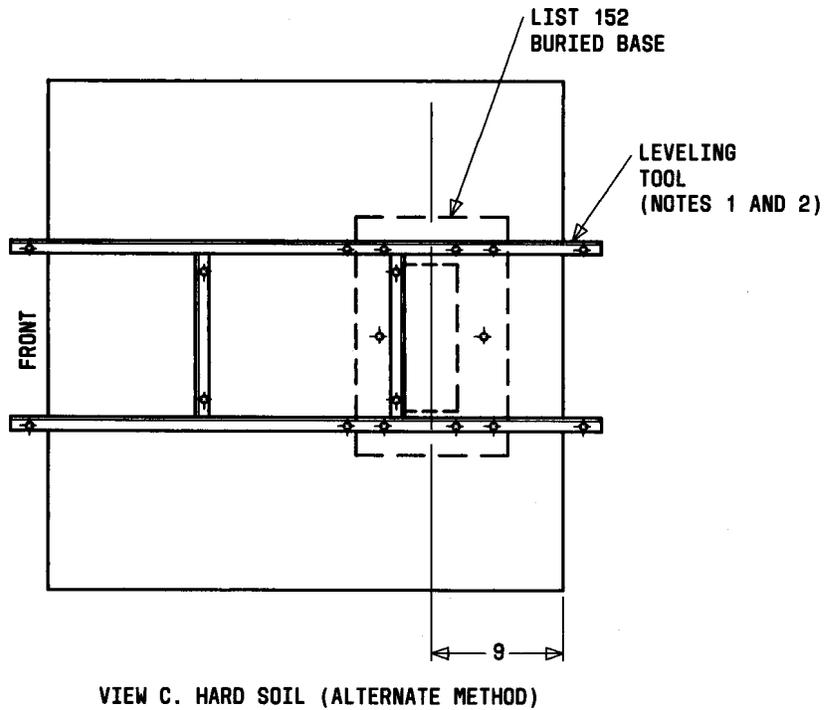
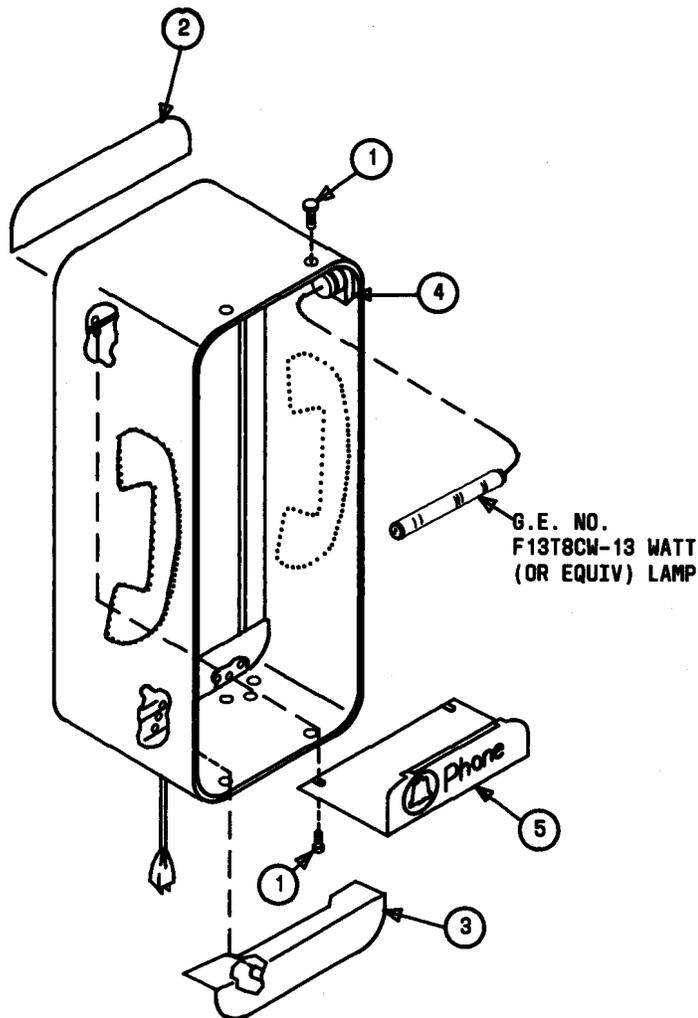


Fig. 10—Leveling Tool, For Use With List 152 Buried Base



LEGEND

- ① L-765065-3 FH SECURITY SCREW
- ② L-765066 REAR SIGN
- ③ L-765034 HOUSING COVER ASSEMBLY
- ④ L-765035 LIGHT FIXTURE ASSEMBLY
- ⑤ B-994684 DIFFUSER (BELL & PHONE)
L-905512 DIFFUSER (CHARGE-a-CALL)

Fig. 11—List 31 Housing Assembly

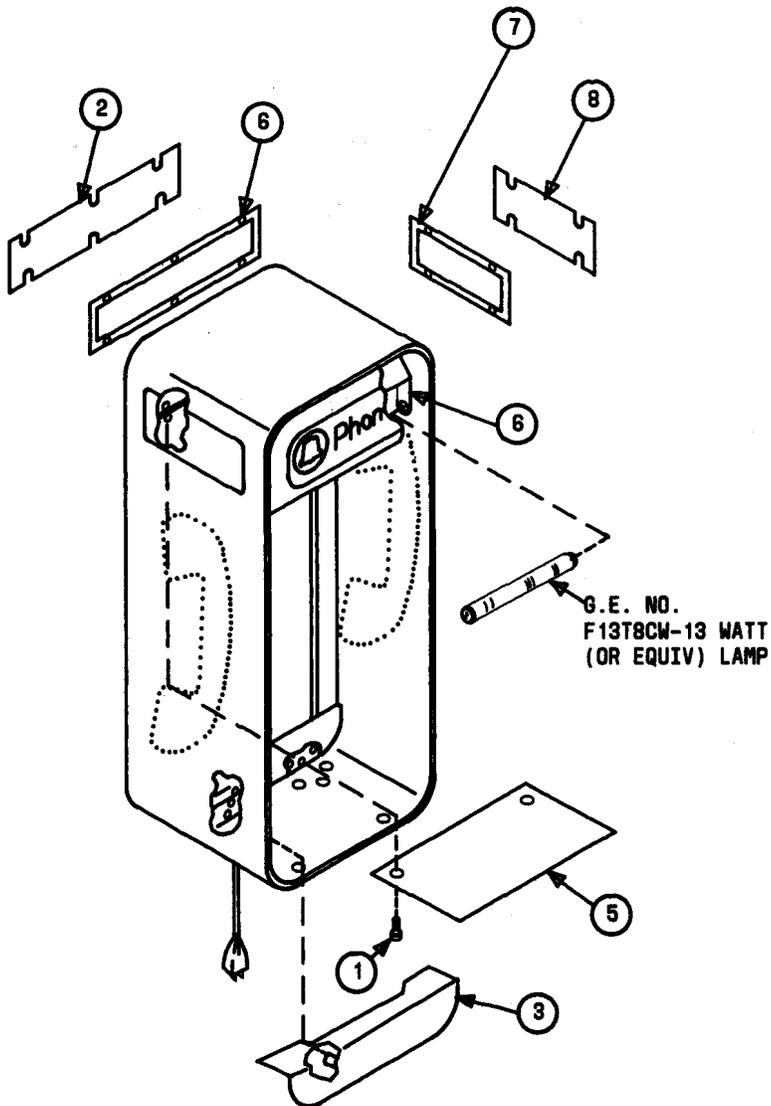
- (a) Loosen two cam-lock fasteners on front bezel and remove the front bezel assembly (Fig. 13).
- (b) Slide the diffuser forward and remove.
Danger: Wear eye protection when handling the fluorescent lamps.
- (c) Remove the two lamps.
- (d) Remove two hex head screws and two flat washers from rear of housing at shelf level.
- (e) Remove the center-front hex head screw and flat washer from top of mounting. Insert

screw, and install it back in the same hole from the opposite side for use as a locating stud.

- (f) Remove the two outside-front hex head screws and flat washers from top of mounting and discard.

- (g) Using the inverted screw as a locating stud, position the List 35A housing on mounting while guiding electrical cord through the cable hole in post.

Danger: It is recommended that a 3/8-inch square drive ratchet wrench with a 9/16-inch extra deep socket be used



LEGEND

- ① L-765065-3 FH SECURITY SCREW
- ② L-905775 FRONT AND REAR SIGN (BELL & PHONE)
L-905991 (CHARGE-a-CALL)
- ③ L-765034 HOUSING COVER
- ④ L-905772-2 FRONT AND REAR GASKET
- ⑤ L-905774 DIFFUSER
- ⑥ L-905778 LIGHT FIXTURE ASSEMBLY
- ⑦ L-905772-1 SIDE GASKET
- ⑧ L-905773 SIDE SIGN (BELL & PHONE)
L-905990 (CHARGE-a-CALL)

Fig. 12—List 31A Housing Assembly

when tightening the screws used to mount top portion of housing.

- (h) Secure top portion of housing to mounting using the two 3/8-16 by 5-1/2 inch hex head screws and two 3/8-inch flat washers. Do not tighten screws.
- (i) Secure the lower portion of housing to mounting using the two 5/16 by 3/4 hex head screws and two 5/16-inch flat washers removed in (d).
- (j) Tighten all mounting screws.
- (k) Install the two fluorescent lamps.
- (l) Plug the electrical cord into the receptacle provided in lower portion of post.
- (m) Install light diffuser and secure it with the front bezel assembly.
- (n) Install 1-type coin telephone set per Section 506-410-400 or Top 506-410-402. Install 10A coinless telephone set per Section 506-500-100.
- (o) Install front covers on post.

(p) Install finishing strips (Fig. 15) on List 35A housings as shown in step procedure on (Fig. 16).

(q) Install B-463805-2 cover kit (Fig. 17 and 18) on top of cluster telephone enclosure equipped with List 35A housings as follows.

(1) At top of rear rails on side housings only, remove screws from top hole (Fig. 19, View B) and discard.

(2) Install two brackets (item 2) on each side housing using 2-inch screws (item 5) which are provided in top cover kit.

(3) Install half section of top cover (item 1) on brackets using two screws (item 6) and two washers (item 7). Do not tighten screws.

(4) Install second half of top section cover (item 1) on brackets while sliding tab under first

cover using two screws (item 6) and two washers (item 7). Do not tighten screws.

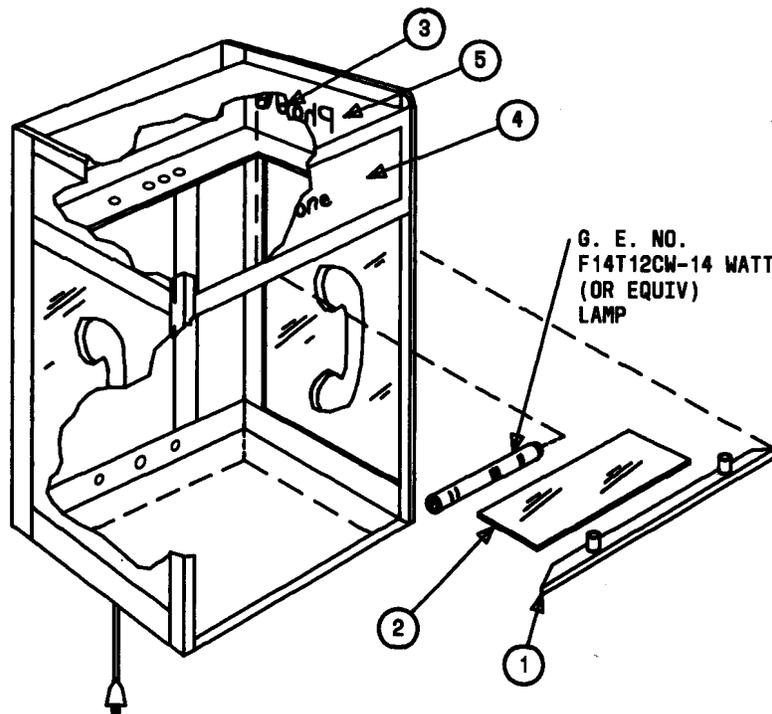
(5) Fasten covers (item 1) together at tabs using two screws (item 6) and two washers (item 7).

(6) Tighten all six mounting screws.

(7) If an optional mast assembly and sign are not installed, install the larger filler plate (item 3, Fig. 19) using four screws and washers (items 6 and 7). Discard smaller filler plate (item 4).

(8) If an optional List 170 or 176 mast assembly and sign are installed, install the smaller filler plate (item 4, Fig. 19) using four screws and washers (items 6 and 7). Discard larger filler plate (item 3).

(9) If an optional List 177 mast assembly and sign are installed, discard both filler plates and their mounting screws and washers.



LEGEND

- ① B-994705 FRONT BEZEL ASSEMBLY
- ② B-994788 DIFFUSER
- ③ B-994750 LIGHT FIXTURE ASSEMBLY
- ④ L-906033 FRONT AND REAR SIGN (BELL & PHONE)
(L-906034 CHARGE-a-CALL)
- ⑤ B-994693 SIDE SIGN (BELL & PHONE)
(L-906031 CHARGE-a-CALL)

Fig. 13—List 35A Housing Assembly

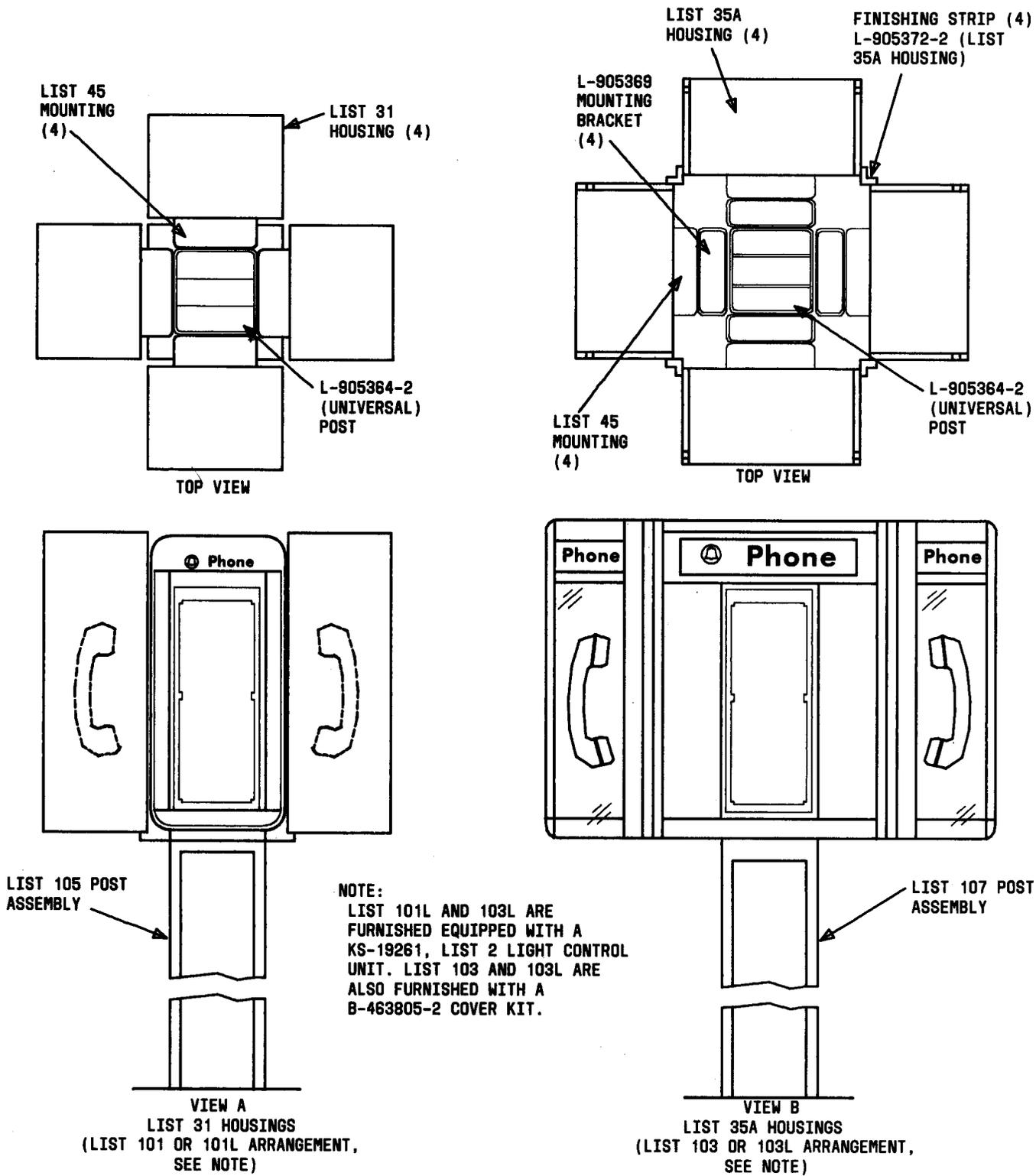


Fig. 14—Cluster Housing Mounting Arrangement

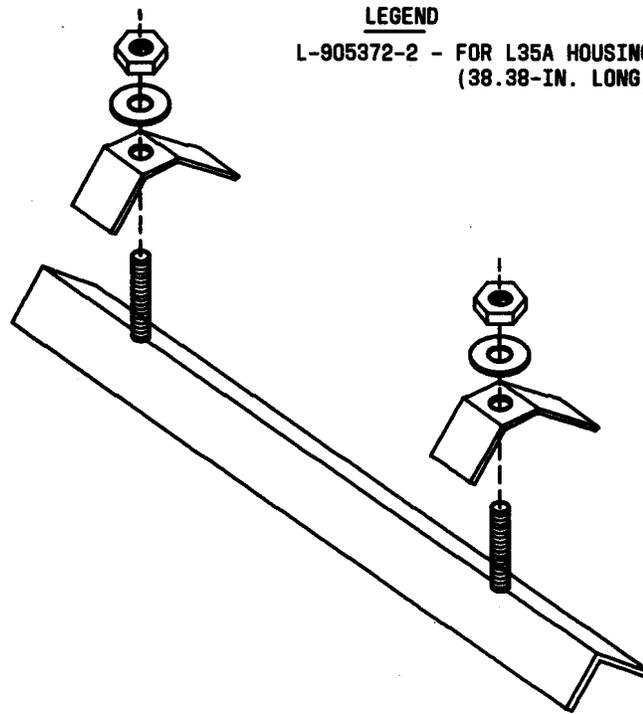
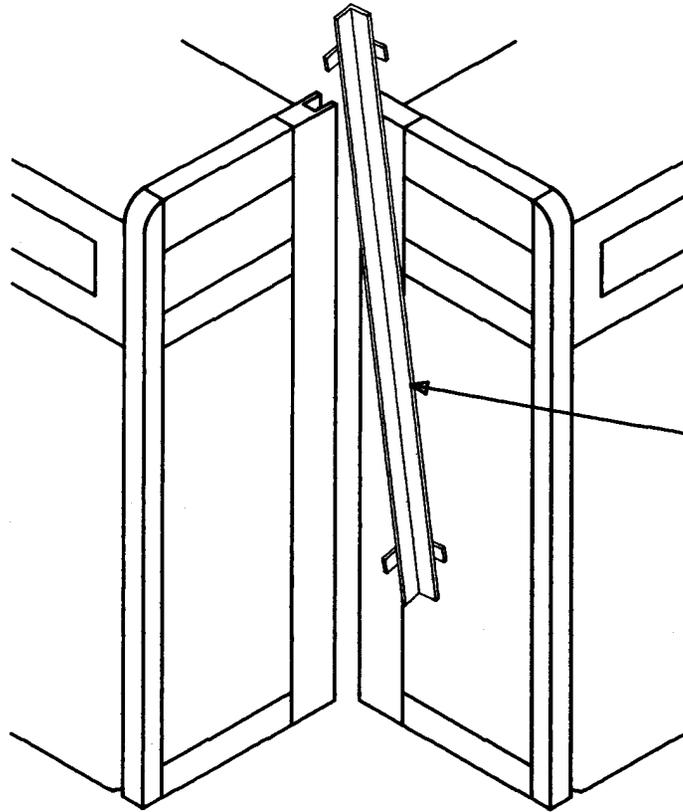
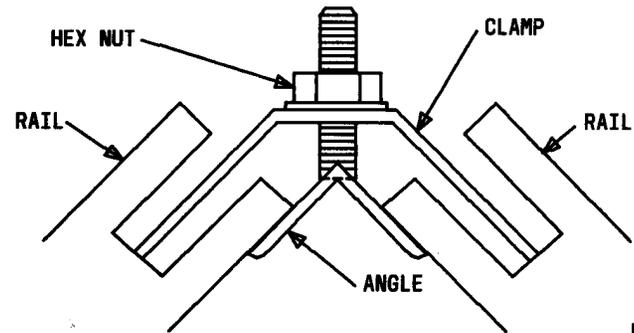


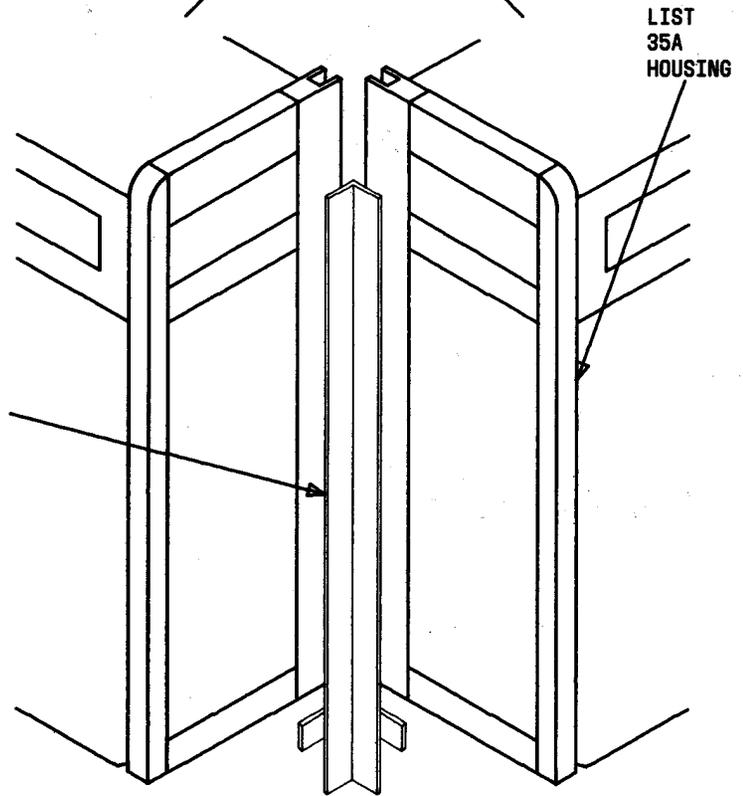
Fig. 15—Finishing Strip

STEPS:

- 1 - LOOSEN HEX NUT AT REAR OF CLAMPS.
- 2 - INSERT TOP CLAMP IN GROOVES OF RAILS WHILE HOLDING BOTTOM OF FINISHING STRIP AWAY FROM HOUSINGS.
- 3 - SLIDE TOP CLAMP DOWN IN GROOVES UNTIL BOTTOM CLAMP WILL CLEAR BOTTOM EDGE OF RAILS.
- 4 - ALINE BOTTOM CLAMP WITH GROOVES AND SLIDE UP IN PLACE.
- 5 - TIGHTEN HEX NUTS ON REAR OF CLAMPS.



VIEW A.
STEPS 2 AND 3



VIEW B.
STEPS 1, 4, AND 5

Fig. 16—Installing Finishing Strip

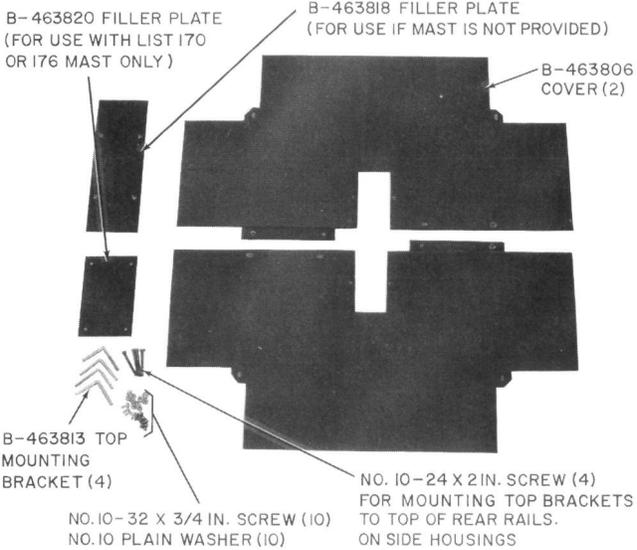
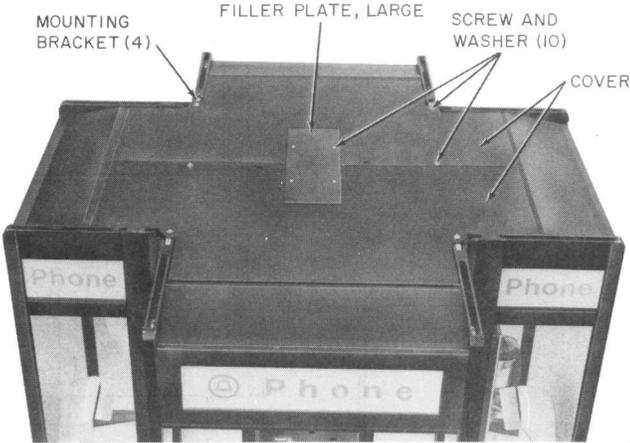
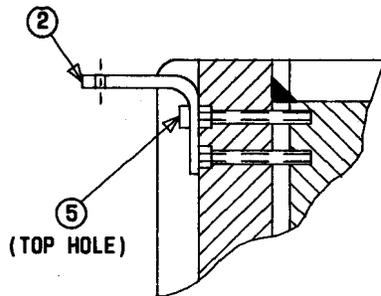
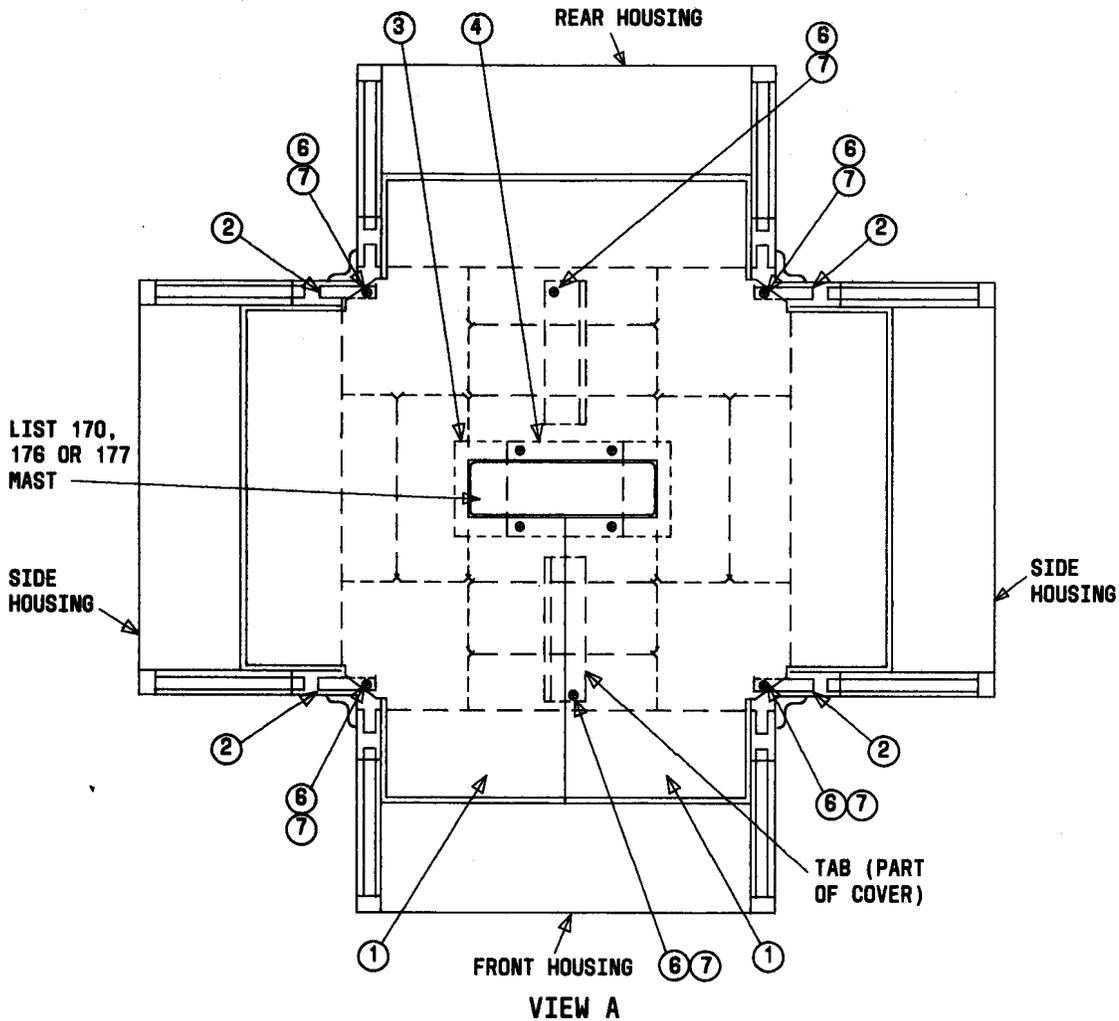


Fig. 17—B-463805-2 Cover Kit For List 35A Housings



**Fig. 18—B-463805-2 Cover Kit, Installed On List 103
or 103L Cluster Mounting Arrangement**



LIST 35A HOUSINGS
(SIDE HOUSINGS ONLY)

VIEW B

- LEGEND**
- ① B-463806 COVER (HALF SECTION)
 - ② B-463813 BRACKET
 - ③ B-463818 FILLER PLATE (REQUIRED ONLY IF MAST IS NOT SELECTED)
 - ④ B-463820 FILLER PLATE (REQUIRED ONLY IF L170 OR L176 MAST IS SELECTED)
 - ⑤ 0.190-24 X 2 IN. SOCKET HEAD SCREW (4)
 - ⑥ 0.190-32 X 3/4 IN. ROUND HEAD PHILLIPS SCREW (10)
 - ⑦ NO. 10 PLAIN WASHER

Fig. 19—Installation Layout of B-463805-2 Cover Kit