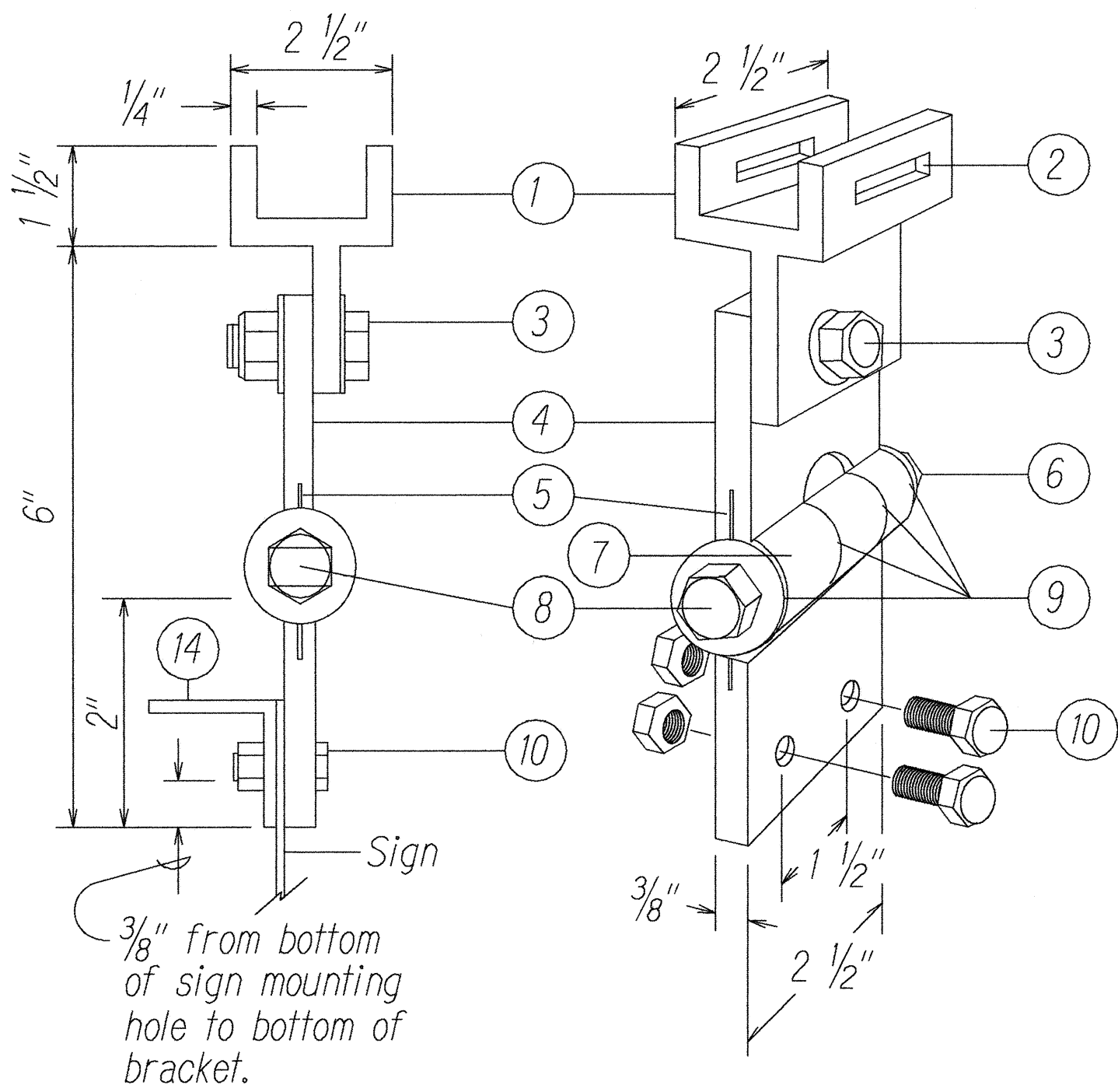


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-051-1(9)	1999	18	23



FIXED LENGTH NON-ADJUSTABLE

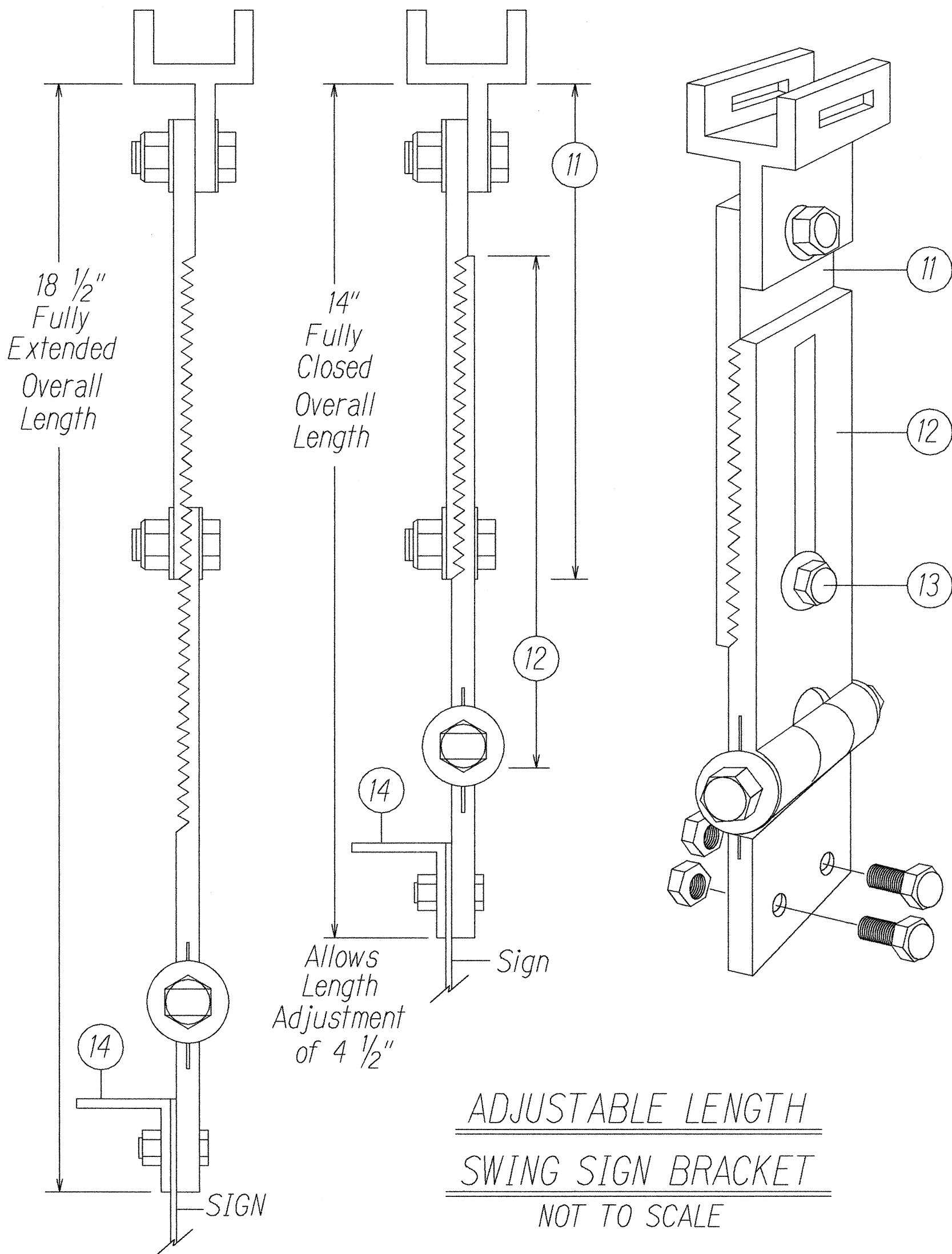
SWING SIGN BRACKET

NOT TO SCALE

- ① Pivotal Upper Bracket
- ② 1 5/8" x 1/4" Slot for double strapping to electrolier mast arm. (M2G-34S(HD) .030" x 3/4" Heavy Duty Stainless Steel Strap with M2G-34B(HD) Buckle recommended.)
- ③ 1/2" - 13 x 1 1/2" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washer (both sides). Allows upper bracket to pivot and align with electrolier mast arm.
- ④ 6" Overall drop with Fixed Length Sign Bracket
- ⑤ Stainless Steel Dampener Spring (Removable)
- ⑥ Stainless Steel Hex Lock Nut with 1/16" Stainless Steel Washer
- ⑦ 1" O.D. Axle Housing
- ⑧ 1/2" - 13 x 4" Stainless Steel Hex Head Bolt with 1/16" Stainless Steel Washer
- ⑨ Oilite Bushing
- ⑩ Sign Mounting Sets, consisting of two each 5/16" - 18 x 1" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut. Two holes on 1 1/2" centers provide positive lock sign mounting to bracket.
- ⑪ 8 1/4" overall length Upper Adjustable Sign Bracket section
- ⑫ 9" overall length Lower Adjustable Sign Bracket section, including Axle Housing (8" overall length to top of Axle Housing)
- ⑬ 1/2" - 13 x 1 1/2" Stainless Steel Hex Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washers (both sides). Loosen lock nut, adjust bracket teeth to level sign.
- ⑭ 1 1/4" x 1 1/4" x 1/8" Aluminum Angle

All Aluminum 6061T6 Alloy and Stainless Steel Components.

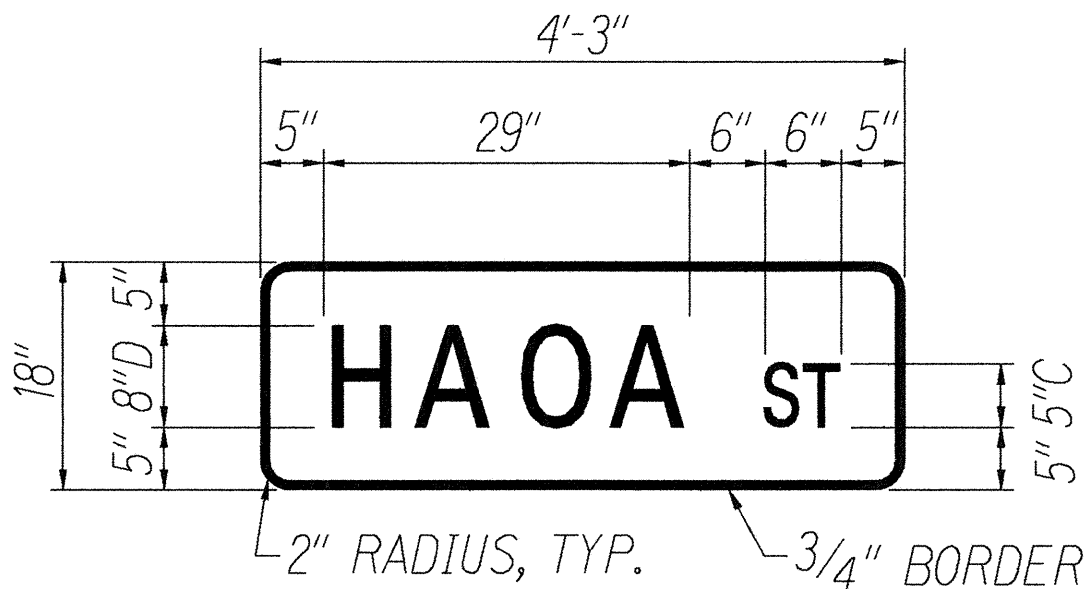
Note: Dimensions may vary slightly.



ADJUSTABLE LENGTH

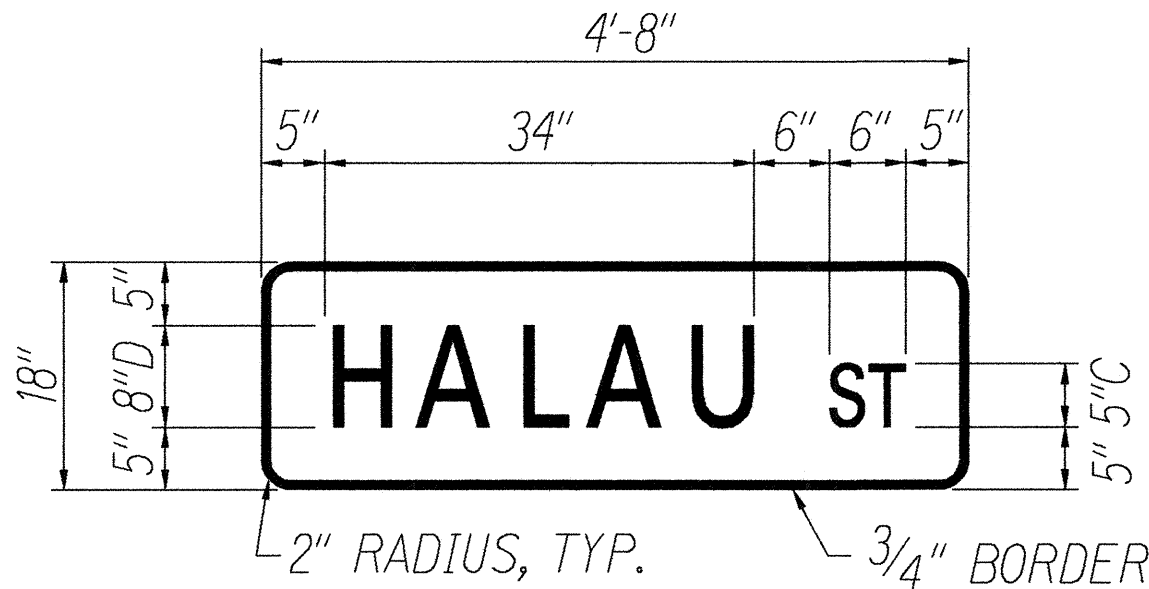
SWING SIGN BRACKET

NOT TO SCALE



STREET NAME SIGN DETAIL

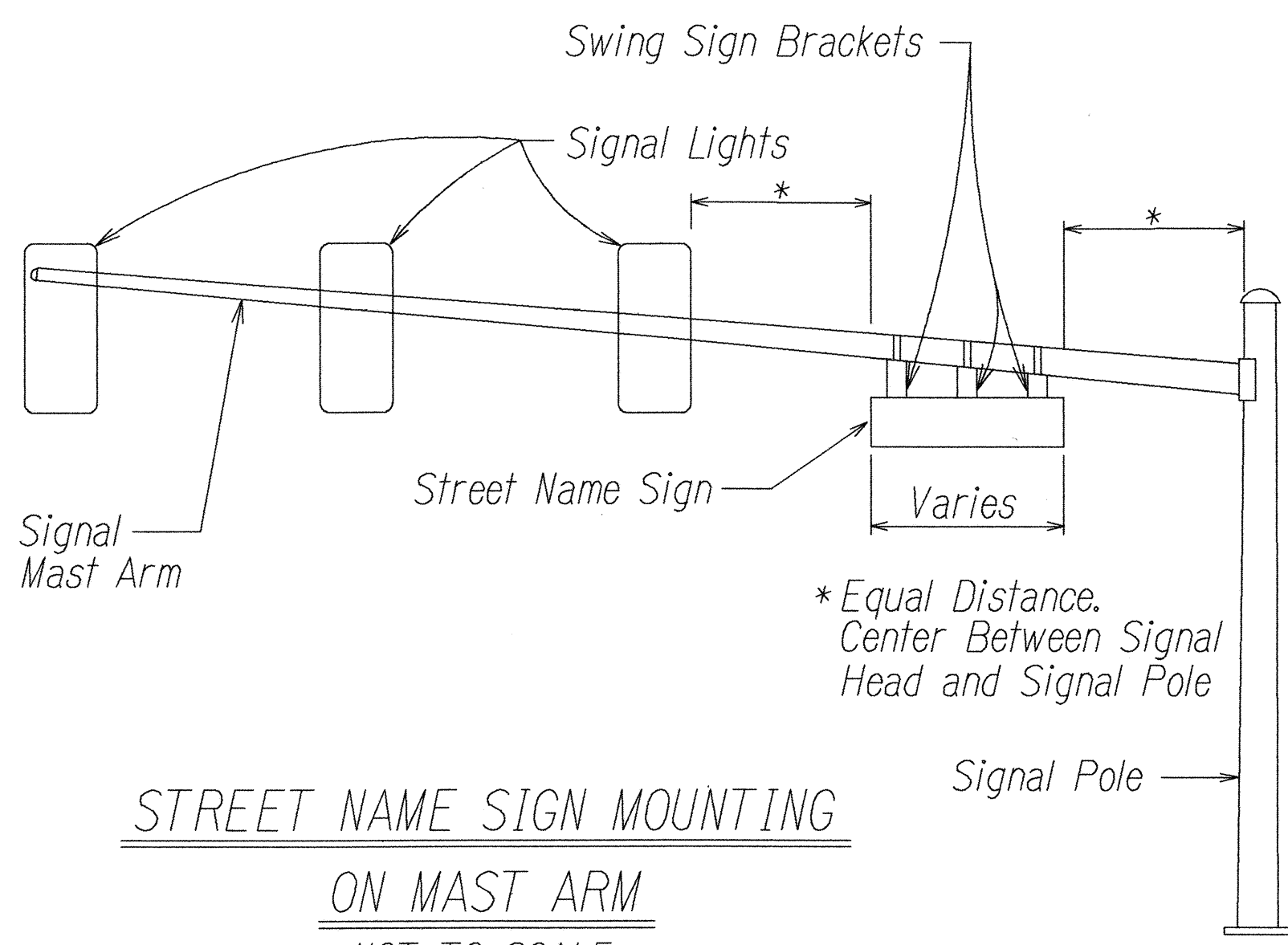
NOT TO SCALE



STREET NAME SIGN DETAIL

NOT TO SCALE

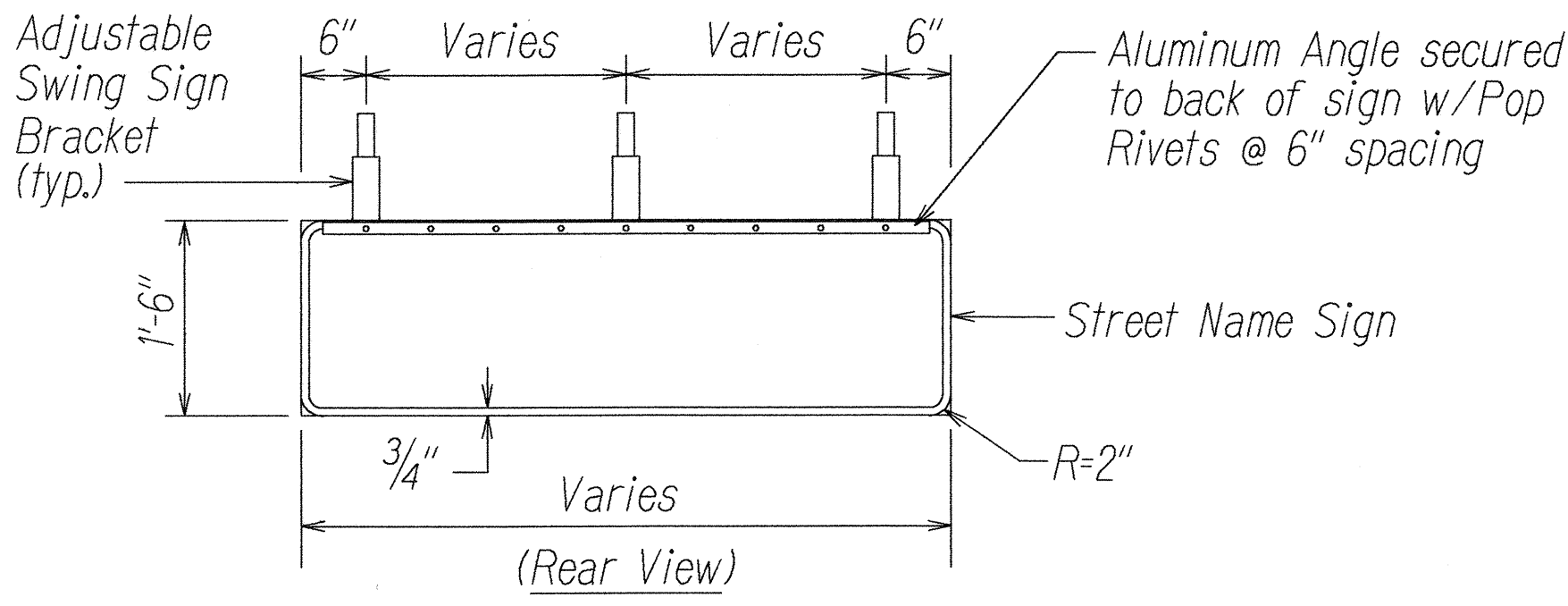
- NOTES:
1. Street name signs shall have white message and border on green background.
 2. Provide the same message on both sides of each sign.
 3. All sign faces shall be completely reflectorized with Type "B" reflective sheeting.
 4. The sign shall be in conformance with the requirements of Section 712.20 of the Standard Specification.
 5. Colors:
Legend - White (Reflectorized)
Background - Green (Reflectorized)
 6. All signs shall conform to Section 621 of the Standard Specifications and the latest editions and amendments of the following FHWA publications:
a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
b. "Standard Highway Signs"
c. "Standard Alphabets for Highway Signs"



STREET NAME SIGN MOUNTING

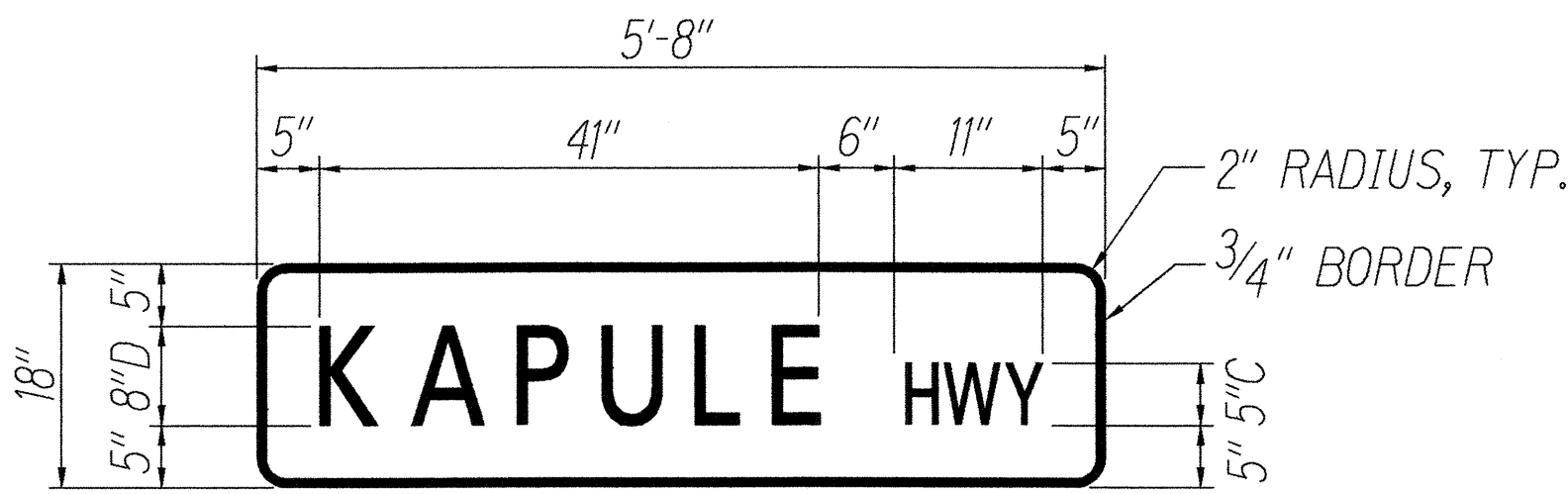
ON MAST ARM

NOT TO SCALE



PANEL & SWING BRACKET LAYOUT FOR STREET NAME SIGN

NOT TO SCALE



STREET NAME SIGN DETAIL

NOT TO SCALE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

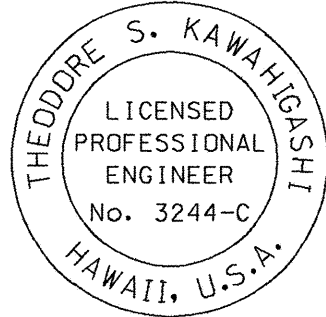
STREET NAME SIGN DETAIL

KAPULE HIGHWAY,
INTERSECTION IMPROVEMENTS
AT HAOA STREET
Federal Aid Proj. No. STP-051-1(9)

Scale: None Date: Nov. 1998

SHEET No. 1 OF 1 SHEETS

DATE	DATE	DATE	DATE	DATE	DATE
DESIGNED BY	DESIGNED BY	DESIGNED BY	DESIGNED BY	DESIGNED BY	DESIGNED BY
CHECKED BY	CHECKED BY	CHECKED BY	CHECKED BY	CHECKED BY	CHECKED BY
QUANTITIES BY	QUANTITIES BY	QUANTITIES BY	QUANTITIES BY	QUANTITIES BY	QUANTITIES BY
NOTED BY	NOTED BY	NOTED BY	NOTED BY	NOTED BY	NOTED BY
ORIGINAL PLAN	ORIGINAL PLAN	ORIGINAL PLAN	ORIGINAL PLAN	ORIGINAL PLAN	ORIGINAL PLAN



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Theodore S. Kawahigashi
Signature